



Pumps catalog

Pumps Series 0



Pumps Series 1



Pumps Series 2



Pumps Series 2,5



Pumps Series 2 Special



Pumps Series 2,6



Pumps Series 3



Pumps Module 3



PUMPS CATALOGUE

Characteristics and Codifications

Hydraulic gear pumps
Series 0 Flat front body


0

Hydraulic gear pumps
Series 1 Flat front body


1

Hydraulic gear pumps
Series 2 Flat front body


2

Hydraulic gear pumps
Series 2 Thick front body


2

Hydraulic gear pumps
Series 2,5 Flat front body


2,5

Hydraulic gear pumps
Series 2,5 Thick front body


2,5

Hydraulic gear pumps
"Spécial" Series


2 "S"

Consult us for availability

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[main dimensions](#)

PUBLISHING 17 / 03 / 2011

GENERAL SYNOPSIS of the CATALOGUE PUMPS

001 / 00

Hydraulic gear pumps
Series 2,6 Flat front body



2,6

Hydraulic gear pumps
Series 3 Flat front body



3

Hydraulic gear pumps
Series 3 Thick front body



3

Hydraulic gear pumps
"Module 3"



Module

Hydraulic gear pumps
Series 5 Flat front body



5

Hydraulic gear pumps
Series 5 Thick front body



5

Hydraulic gear pumps
Series 4 Flat front body



4

Hydraulic gear pumps
Series 4 Thick front body

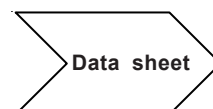


4

 Consult us for availability

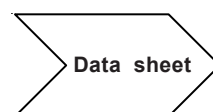
Characteristics and Codifications

Recommendations for installing and maintenance Pumps



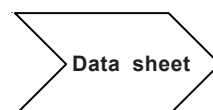
F.T R 0152

Oil recommendations



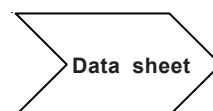
F.T R 0003

Recommendation concerning the drive type of Pumps



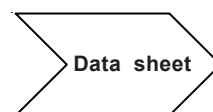
F.T R 0009

Codification of single pumps



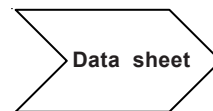
F.T R 0011

Codification of multiple pumps



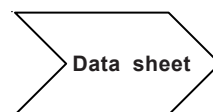
F.T R 0030

Pumps Characteristics



F.T R 0005

Different mounting possibilities between multiple Pumps



F.T R 0029

Our pumps were studied and manufactured to bring you complete satisfaction. They were designed with first quality materials, produced according to modern processes and controlled by strict tests .
However, for the best use, it is absolutely necessary to make some arrangements when mounting and when using.
The major 10 are the following:

1- Mounting

On a rigid support, fixed to the driving motor, make sure of the perfect concentricity of the pump centering with the driving shaft (5/100 maximum, when reading), according to the series.
Pump can be placed in whatever position.

2- Driving

Apart from the driving torque, no radial nor axial effort must be applied on pump shaft to ensure a good efficiency and a good service.
See technical data sheet F.T R 0009 (pump with outrigger bearing excepted).
In an installation with:

- rapid duty cycle.
- frequent pressure variations.
- high working pressure.
- important variation of the hydraulic pump speed.

it is recommended to examin the pump coupling regulary and to slightly lubricate the shaft and the sleeve coupling to avoid frictional oxidation phenomena (fretting).

When the pump is driven with parallel keyed or splined shaft, it is recommended that the shaft be lubricated with bearing grease containing molybdenum disulphide.

3- Pipes

Selecting the correct pipe is very important . Apart from flexible hoses, use preferably cold drawn stel tubes, free from calamine and oxidation inside.

Alll hoses must be properly burred and cleaned. No trace of stranger bodies nor dust must be left; make sure of this before the mounting.

- 1) Never hot-bend hoses so as to avoid oxidation disposals.
- 2) Seal hose or pipe end during storage.
- 3) During the mounting, do not leave them on the floor.
- 4) Make sure of their cleanness until the final mounting.

Suction hose:

It must be made in such a manner so as to get a maximum oil speed of 2,5 m/s, less if possible, mostly for big flows.

Below are some flow indications according to the dimensions of hoses:

1 / 4 "	8 x 13	=	8 l / min
3 / 8 "	12 x 17	=	17 l / min
1 / 2 "	15 x 21	=	27 l / min
3 / 4 "	21 x 27	=	52 l / min
1 "	26 x 34	=	80 l / min
1 " 1 / 4	33 x 42	=	130 l / min
1 " 1 / 2	40 x 49	=	190 l / min
2 "	50 x 60	=	295 l / min
2 " 1 / 2	66 x 76	=	513 l / min
3 "	80 x 90	=	750 l / min

The hose must be as straight as possible. Avoid elbows and connections. Straight angle elbows are prohibited. Narrowing forbidden.

The suction hose must be as short as possible (inferior to 1,50 m); beyond this length, lower the flow speed and ask our Technical Departments for information.

The level between the suction port and the oil must not exceed 0,75 m when the tank is lower down. It is recommended to place the tank on load, that is to say above the pump.

Do not use soft materials to make hoses, depressure and temperature tending to bring sided closer and reduce the flow surface.

Take care of the good screwing of connections to avoid air inlet.

4- Tanks

Tank capacity must be so that in maximum duty, the oil temperature must stabilize at maximum 50 / 60 ° . The quantity of oil that can be taken to ensure the various cycles must be taken into account.

The purpose of a tank, in addition of being a receiver, is to quickly dissipate the calories stored by the circuit when there is no cooling device beside.

Furthermore, it must allow the oil to clarify from the possible emulsions and consequently to avoid the creation of emulsion.

All hoses leading to tank must dive into the fluid.

The fluid coming back to tank must come back to tank very slowly to avoid disturbances on the suction hose.

Tank must be perfectly clean, realized in teme plate or fitted with an hydrocarbon-resistant inside painting.

It must be designed in order that an inspection flap allows a careful cleaning before mounting and during maintenance.

It must be dustproof.

The shape must be simple, either parallelepipedal or cylindrical.

Level control (tightness of connections)

One of the maintenance factors is watching the tank level.

According to the tank capacity, a continuous hose or connector leakage may lead to significant pump oil loss.

Consequences are always damaging to the pump: possible air suction, increased circuit temperature, oil-aging, etc

It is therefore necessary to examine regularly all circuit connections to make sure that there is no leakag.

5- Oil filtration

To ensure the pump a good efficiency and a long life duration, the filtration of the hydraulic fluid is indispensable.

Do not forget that the pump and the various components of the circuit are lubricated by the convoyad fluid.

At suction : Fit the suction hose with a suction strainer submerged in the tank, the filtration efficiency of which shall be 125 μ .

Do not use a suction strainer with a higher efficiency owing to possible underfeeding effects on the pump.

Flow capacity: 1 dm² for a flow of 10 l / min.

At pressure or at tank return : Filter having a filtration capacity of 10 or 15 μ . A metal filter can be used.

6- Air filtration

Most of the pumps are prematurely aging due to abrasion coming from external elements to the tank . It is indispensable to fit the tank with a true air filter and not a simple breather.

The air filter must have a 5 μ filtration efficiency.

All othe parts of the tank must be airproo .

7- Pump Protection

All hydraulic installations must have a pressure relief valve to protect the pump, and this for each direction of rotation.

Several kinds can be employed:

- manually operated.
- differential.
- piloted.

Whatever the type, the following is required:

- quick opening.
- low opening range (lower than 20 bar)
- low closing range (lower than 10 bar)
- It must be pulsationfree.
- Make sure of the flow capacity of the pressure relief valve according to the pump flow.

8- Fluid to be employed

A good quality of oil is to be used.

The more important the duty cycle is, the higher the pressure and driving speed are, the more indispensable it is to choose a good quality of fluid.

An oil with viscosity 4 to 5 °E (30 to 40 cSt) to 40 °C must be used.

Take into account the fact that the higher the circuit temperature is, the more necessary it is to choose a high viscosity oil.

In many applications, motor oils can be used; they bring excellent results. For lubrication and life duration, choose class SAE 20 - 40 multigrade oils.

9- Maximum working temperature

Maintaining an hydraulic circuit requires a control, particularly of the oil temperature.

In general, it is recommended not to exceed 50 to 60 °C. If the latter temperature is exceeded, it would be necessary either to increase the tank volume, or to use a cooler.

Also check whether circuit obstructions or abnormal rolling of some distribution or regulation devices are not causing the heating.

In case the working or ambient temperature conditions require a working temperature higher than 60 °C, it is then necessary to use a higher viscosity oil (for instance, 5 °E at 70 °C instead of 50 °C).

Ambient temperature - 15 °C to + 60 °C.

Also make sure that no external heat supply disturbs the functioning of the pump. In this case, inform our Technical Department who will give you useful advices, among others Viton seals for temperatures between 70 and 130 °C will be recommended (example : hydraulic pump in contact with the carter of a diesel motor that can work under temperatures of 120 °C).

10- Oil aging

The use of an oil that has lost its lubrication properties is a cause for wear and tear of the pump and of the circuit devices.

Temperature variations, rolling in the distribution and regulation valves cause a molecular modification of the fluid in the more or less long-term.

The rapidity of the aging depends on the oil volume in the circuit, on the important temperature variation and on the rolling under pressure.

According to the energy conversion rate of the circuit, it is necessary to provide for changing oil between 500 and 1000 duty hour.

(N.B: analysis in case of a big quantity of oil).

11- Additional information

For any further details, seek advice from our Technical Departments.

TYPE	ISO	CASTROL	ELF	ESSO	FINA
HM	32	HYSPIN AWS 32	ELFOLNA DS 32	NUTO H 32	HYDRAN TS 32
	46	HYSPIN AWS 46	ELFOLNA DS 46	NUTO H 46	HYDRAN TS 46
	68	HYSPIN AWS 68	ELFOLNA DS 68	NUTO H 68	HYDRAN TS 68
HV	32	HYSPIN AWH 32	HYDRELF DS 32	UNIVIS N 32	HYDRAN TSX 32
	46	HYSPIN AWH 46	HYDRELF DS 46	UNIVIS N 46	HYDRAN TSX 46
	68	HYSPIN AWH 68	ELFOLNA DS 68	UNIVIS N 68	HYDRAN TSX 68
HE	32	CARELUBE HTG 32			BIOHYDRAN TMP 32
	46			UNIVIS BIO SHP 46	BIOHYDRAN TMP 46
	68				BIOHYDRAN TMP 68
OILS DIESELS MOTORS			PERFORMANCE XR 15W-40	FARM 4 15W- 40	KAPPA SUPER 10W
		RX SUPER PLUS 15W-40	PERFORMANCE SUPER D 15W-40	ESSOLUBE X 301 10W	KAPPA SUPER 20W20
			PERFORMANCE TROPHY DX 15W-40	ESSOLUBE XT 301 15W-40	KAPPA SUPER 15W40

TYPES	ISO	FUCHS LUBRIFIANTS INDUSTRIE	MOBIL	SHELL	TOTAL
HM	32	RENOLIN EXTRA 32S	MOBIL DTE 24	TELLUS 32	AZOLL ZS 32
	46	RENOLIN EXTRA 46S	MOBIL DTE 25	TELLUS 46	AZOLLA ZS 68
	68	RENOLIN EXTRA 68S	MOBIL DTE 26	TELLUS 68	AZOLLA ZS 68
HV	32	RENOLIN EQUIGRADE 32	MOBIL DTE 13 M	TELLUS T et ST 32	EQUIVIS ZS 32
	46	RENOLIN EQUIGRADE 46	MOBIL DTE 15 M	TELLUS T et ST 46	EQUIVIS ZS 46
	68	RENOLIN EQUIGRADE 68	MOBIL DTE 16 M	TELLUS T et ST 68	EQUIVIS ZS 68
HE	46			NATURELLE HFE	HYDROBIO 46
OILS DIESELS MOTORS		TITAN TRUCK 15W-40			RUBIA S 10W
		TITAN UNIVERSAL HD 15W-40		RIMULAX 15W - 40	
		TITAN UNIVERSAL HD 20W-50			

OILS TYPE HM : Refined mineral oils with anti-rust, anti - oxydation and anti - wear properties.
Application hydraulic systems in general. (Max pressure 2900 PSI, Max speed 2000 RPM)

OILS TYPE HV : Oils type HM with improved viscosity / temperature properties.
Application car industry, marine equipment, high performance hydraulic (high pressures and speds).

OILS TYPE HE : Biodegradable hydraulic oils, synthetic base (esters).
Can be used in all hydraulic equipments requiring a HV oil.

OILS TYPE HFAE, HFAE, HFB, HFC, HFD : Water emulsion in oil or synthetic fluid, consult our technical departments.
The type of elastomer and the compatibility defoinition must be subject to an agreement between the supplier and the final customer.

As the JTEKT-HPI hydraulic pumps are designed with shafts on bush bearings, it is necessary to avoid any axial or radial load and, in order to obtain the best performances and a longer life time, to pay some keen attention to the transmission driving type.

The hereunder sketches show the couplings to realize or to proscribe in order to avoid any kind of damage of the pump.

Recommended couplings :

F.T R 0009 1/3 2/3

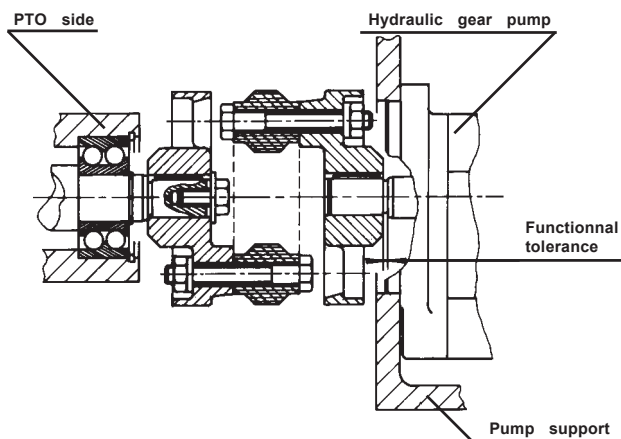
Conditionnally recommended couplings :

F.T R 0009 2/3 3/3

Proscribed couplings :

F.T R 0009 3/3

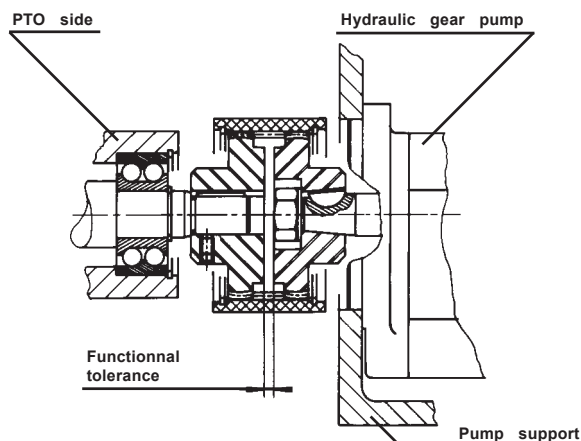
RECOMMENDED COUPLINGS



Mounting with elastic 3 parts coupling .

The pump shafts can be :

- Straight keyed shafts
- Tapered shafts
- Splined shafts

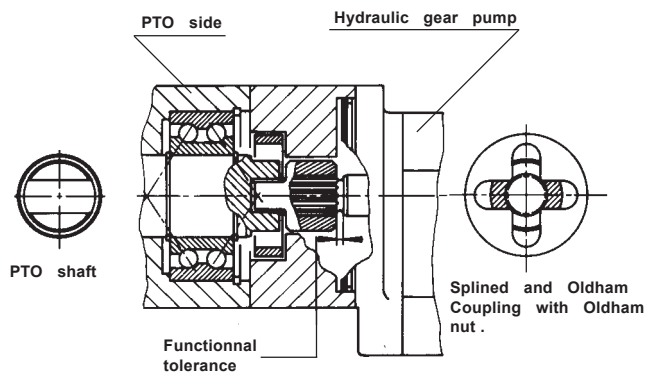


Mounting with 3 parts coupling with bulged gear .

The pump shafts can be :

- Straight keyed shafts
- Tapered shafts
- Splined shafts

RECOMMENDED COUPLINGS

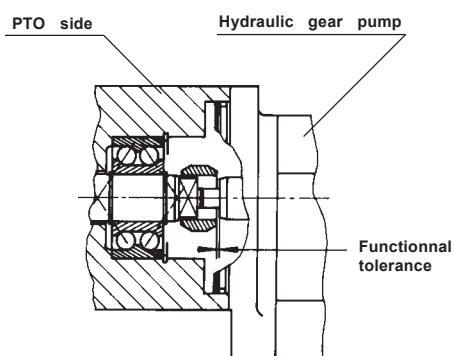


Mounting with coupling and Oldham coupling.

The pump shafts can be :

- Straight keyed shafts
- Tapered shafts
- Splined shafts

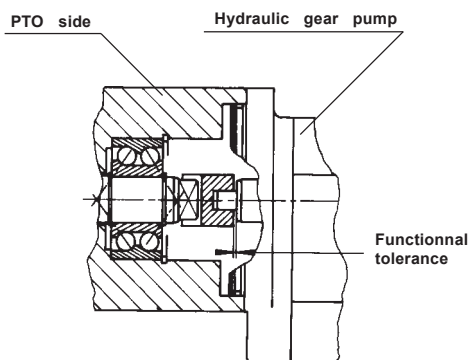
RECOMMENDED LUBRICATION.



Mounting with Oldham coupling.

Tang drive shaft on PTO and pump shaft.

RECOMMENDED LUBRICATION.

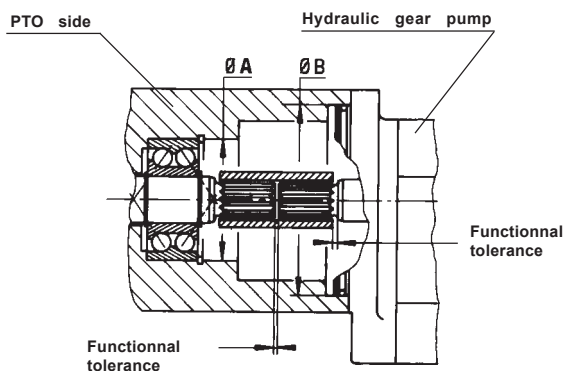


Mounting with Oldham coupling.

Tang drive shaft on PTO and pump shaft.

RECOMMENDED LUBRICATION.

CONDITIONALLY ALLOWED COUPLINGS

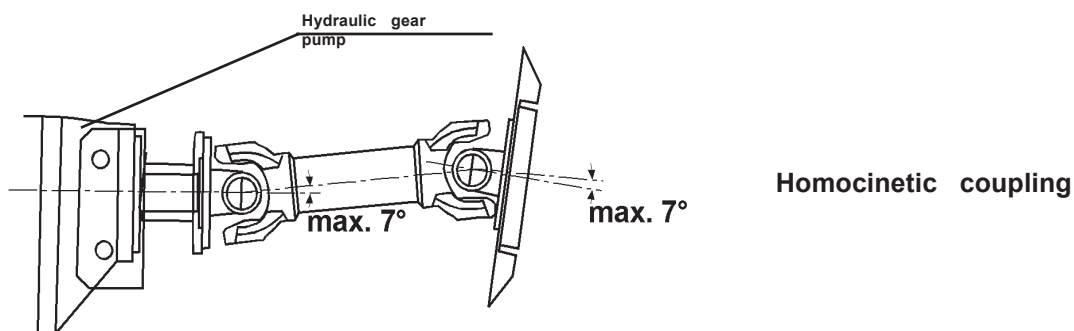


Mounting with splined coupling (Spigot on free flank).

Tolerated coupling provided that there is a perfect concentricity between Ø A and Ø B.

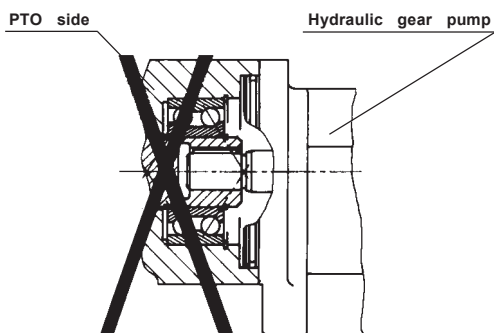
Concentricity $\leq 0,03$ (according to the pump type and capacity).

CONDITIONALLY ALLOWED COUPLINGS



PROSCRIBED COUPLINGS

(Direct drive of the pump
shaft on the PTO shaft)

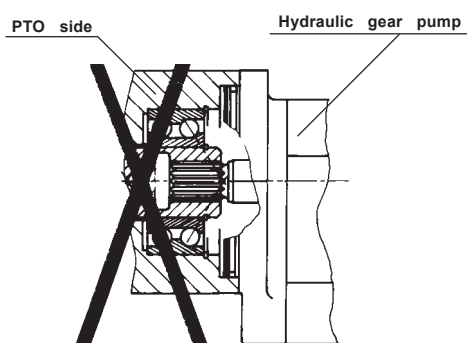


Straight keyed drive .

Hyperstatic mounting .

Impossibility to line up properly the
pump shaft and the PTO shaft .

**INEVITABLE PUMP SHAFT -
CONSTRAINT**

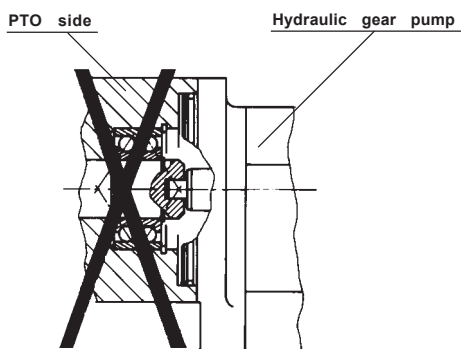


Splined drive .

Hyperstatic mounting .

Impossibility to line up properly the
pump shaft and the PTO shaft .

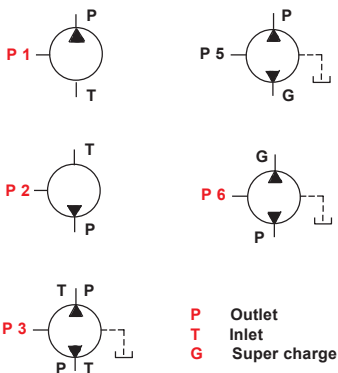
**INEVITABLE PUMP SHAFT -
CONSTRAINT**



Tang drive .

Pump shaft directly into the
PTO shaft .

**INEVITABLE PUMP SHAFT -
CONSTRAINT**



P Outlet
T Inlet
G Super charge

TYPE
Pump **P**
"Saphir" Pump **S*** * Only for series 2 and 2,5

DIRECTION of ROTATION
Clockwise **1**
Anti clockwise **2**
2 direction (no preferential direction) **3**
2 direction for super charge Inlet (Preferential direction 1) **5**
2 direction for super charge Inlet (Preferential direction 2) **6**

FRONT BODY
MOUNTING FLANGE
2 and 4 holes (USA - ISO) **A**
4 holes (English - Italian) **B**
2 and 4 holes (French) **C**
2 and 4 holes (German) **D**
4 holes **Z**
A, B, C, D, E, F, J, L, R, W, Z
Variations

FLAT FRONT BODY
without tighness on spigot joint **N**
with tighness on spigot joint **K**
THICK FRONT BODY WITH FRONT BEARING
Hard Series
without tighness on spigot joint **P**
with tighness on spigot joint **R**
Light Series
without tighness on spigot joint **X**
with tighness on spigot joint **Z**
Power take-off **C**
Module flange without tighness **(*) N**
Module flange with tighness **(*) E**

(*) Only for Series 2 and 2,5

TYPE of SERIES

Series 0	0,25 - 0,50 - 0,75 - 1,00 - 1,25 - 1,50 - 2,00
Series 1	(00)1 - (00)2 - (00)3 - (00)4 - (00)5 - (00)6
Series 2	(00)4 - (00)6 - (00)8 - (0)10 - (0)12 - (0)14 - (0)15 - (0)17 - (0)18 - (0)22 - (0)26 - (0)30
Series 2,5	12 - 15 - 17 - 18 - 22
Series 2,6	20 - 25 - 27 - 30 - 35 - 40
Series 3	(0)20 - (0)25 - (0)31 - (0)40 - (0)50 - (0)60 - (0)71 - (0)80 - (0)90 - 100
Series 5	(0)43 - (0)52 - (0)62 - (0)72 - (0)83 - (0)93 - 103 - 125 - 140 - 153
Series 4	075 - 110 - 150 - 175 - 212 - 250

(0) - Only for codification purposes

CAPACITY (cc / rev)

PORT LOCATION

H Implantation HPI
C Square location
F Threaded ports
Y ISO location (Norm 6162)
S SAE location (Norm J518c)
B Italian location
U SAE threaded location (Norm J475)
X without ports (with Rear body Typ A)

TYPE of SHAFT

Front
1 Tapered
2 Straight keyed
3 Splined
4 Tang
Rear
0 without shaft

REAR BODY

L not port on rear body (Standard)
A External flow control
X High pressure relief valve, internal pressure
T High pressure relief valve, external pressure
V Low pressure relief valve, internal return
W Low pressure relief valve, external return
Q Internal flow control
AR with block, configuration MBPS
J Pre-arrangement for assembling "Module 3" Series 1, 2, 2,6 and 3

SHAFT SEAL

N Nitrile
V Viton
S "Saphir"

PRIMARY SHAFT CODE

see Data sheet

NB: Not all combination are feasible

CAUTION:
The signes XIII and XIV are valid only for the pumps with relief valve. (see rear bodies technical data sheet according to the series concerned)

Pressure
Speed of rotation

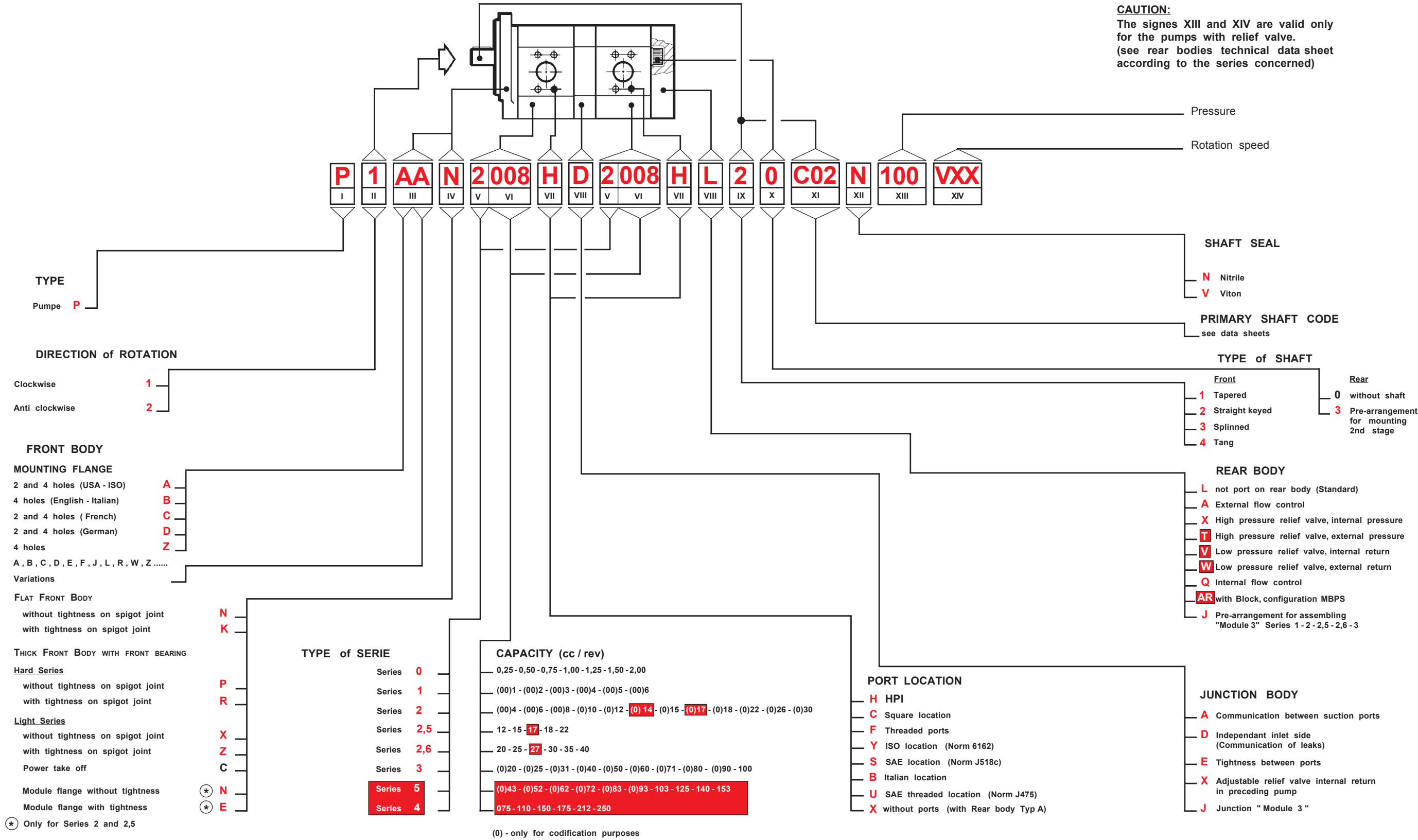
Consult us for availability

NB: Not all combination
are feasible

CAUTION:
The signes XIII and XIV are valid only
for the pumps with relief valve.
(see rear bodies technical data sheet
according to the series concerned)

Dimensions readings and approximative characteristics subject to modifications.

F.T R 0030



Consult us for availability

SERIES

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			

0

0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

1

1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,20	1,91	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,40	3,83	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,60	5,74	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,80	7,65	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1	9,58	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,20	11,49	

2

2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,48	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,41	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	6,12	58,36	2,8

2,5

2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,2
2515	15,52	280	4060	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	280	4060	240	3480	3500	25,95	60,55	3,39	32,36	2,6
2518	19,12	250	3625	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	225	3262	190	2755	3500	34,2	79,8	4,48	42,78	2,8

2,6

2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

Dimensions readings and approximative characteristics subject to modifications.

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PUBLISHING 25 / 11 / 2013

MAX WORKING CONDITIONS

SERIES

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			

3

3020	21,1	275	3987	235	235	3000	31,65	63,3	4,14	39,47	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	5,06	48,26	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,29	60,05	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	8,14	77,63	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	10,13	96,62	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	12,27	117,10	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	14,42	137,58	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	16,26	155,17	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	18,23	173,87	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	20,37	194,37	8

5

5043	43,06	300	4350	255	3697	3000	64,59	129	8,44	80,55	14,2
5052	52,91	300	4350	255	3697	3000	79,36	158,5	10,37	98,97	14,2
5062	62,75	300	4350	255	3697	3000	94,12	188	12,30	117,38	14,4
5072	72,59	300	4350	255	3697	3000	108,88	217,5	14,23	135,79	14,6
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	15,1
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	15,2
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	15,2
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	15,7
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	15,7
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	16

4

4075	075	200	2900	170	2465	2500	112,5	187,5	19,37	141	17
4110	110	200	2900	170	2465	2500	165	275	28,42	206	17,2
4150	150	200	2900	170	2465	2500	225	375	28,60	281	17,4
4175	175	175	2625	150	2175	2500	262,5	437,5	34,31	327,35	19
4212	212	150	2175	130	1885	2500	318	530	41,57	396,56	19,4
4250	250	125	1812	105	1522	2000	375	500	49,02	467,65	20

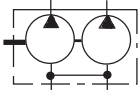
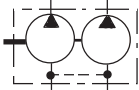
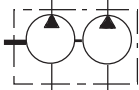
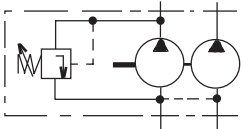
Dimensions readings and approximative characteristics subject to modifications.

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PUBLISHING 02 / 2012

TYPE DES POMPES	(VIII Signe)			
	Communication between suction ports (Capacity of the pump without suction $\geq$ half of the capacity of the front section) Code A 	Indépendant inlet side (communication of leaks) (Oil and tank to be necessarily identical) Code D 	Tightness between ports Code E 	Adjustable relief valve internal return in preceding pump Code X 
0 / 0				
1 / 1				
2 / 1				
2 / 2				
2,5 / 1				
2,5 / 2				
2,5 / 2,5				
2,6 / 2				
2,6 / 2,5				
2,6 / 2,6				
3 / 1				
3 / 2				
3 / 2,5				
3 / 3				
5 / 5				
4 / 4				

ATTENTION: Versions 2 / 1 and 2,5 / 1 are not feasible in DCN - DCK - DUK - DWN - DZK

F.T.R 0029

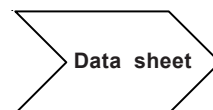


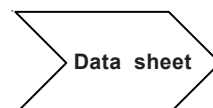
Types not manufactured



Consult us for availability

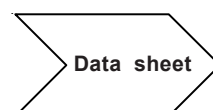
PUMPS PRESENTATION **SERIES 0**

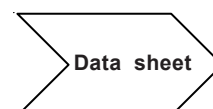

F.T 00 1289

PUMP **AAN**

F.T 00 1290

PUMP **AAK**

F.T 00 1324

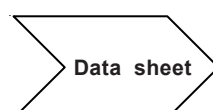
PUMP **CLS**

F.T 00 1415

PUMP **DCN**

F.T 00 1291

PUMP **DCK**

F.T 00 1325

MULTIPLE PUMPS


F.T 00 1292


Consult us for availability

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			

0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit.

Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,8 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).
- Maximum 1,2 bar absolute or 0,2 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

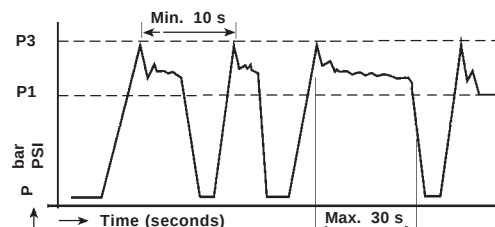
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Front body:

AAN / AAK - DCN / DCK

A

12

Port location (capacity):

0025 - 0050 - 0075

B

13,2

C

26,4

0100 - 0125 - 0150

16,4

32,8

0200

20,6

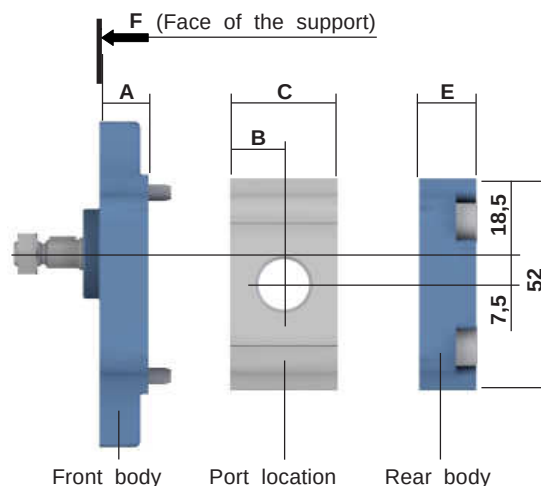
41,2

Rear body:

L -

E

14



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PUBLISHING 25 / 11 / 2011

P	II Sign	III Sign	IV Sign	0	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
----------	---------	----------	---------	----------	---------	----------	-----------	---------	--------	---------	----------

For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)	FLAT FRONT BODIES (III and IV Sign)		CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)	REAR BODY (VIII Sign)	DRIVING SHAFTS (IX , X and XI Sign)	
	P 1	P 2				STRAIGHT KEYED	TANG
				F	L	20	40

X	X	AAN / AAK  DCN / DCK 	0025 0050 0075 0100 0125 0150 0200			 20 B01	 40 C01 40 C15
X	X	CLS 					40 C15

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

AA * = Fixing SAE and ISO
DC * = Fixing German

PORT LOCATION

F = Threaded ports

REAR BODY

L = Standard

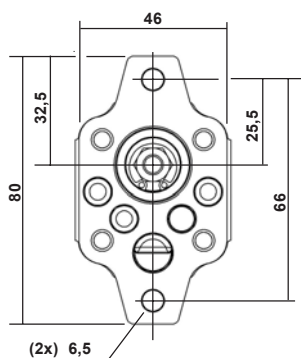
Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1289 2/4

Consult us for availability

FRONT BODIES

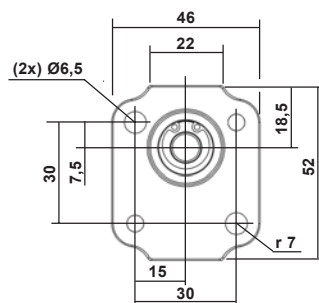
AAN / AAK



Centering: $\varnothing 22 \begin{smallmatrix} -0,020 \\ -0,041 \end{smallmatrix}$
Thickness: 4

AAN : F.T 00 1290
AAK : F.T 00 1324

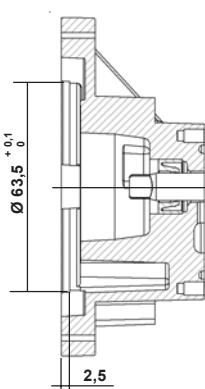
DCN / DCK



Centering: $\varnothing 22 \begin{smallmatrix} -0,020 \\ -0,041 \end{smallmatrix}$
Thickness: 4

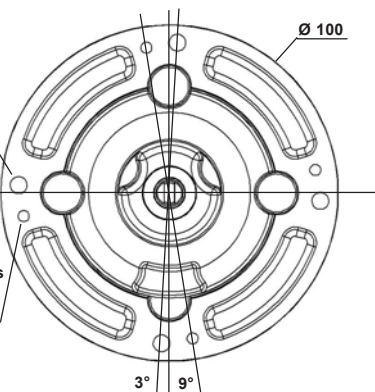
DCN : F.T 00 1291
DCK : F.T 00 1325

CLS



4 equidistants
holes M6
on $\varnothing 89,5$

4 equidistants
holes M4
on $\varnothing 87,5$



Internal centering: $\varnothing 63,5 \begin{smallmatrix} +0,1 \\ 0 \end{smallmatrix}$
Thickness: 2,5

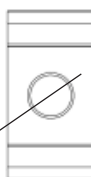
CLS : F.T 00 1415

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. FLANGES RECOMMENDED (for speed 1500 rev / min)	
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

F

(Threaded)



$\varnothing F$
effective
depth G

F.T 00 1289 3/4

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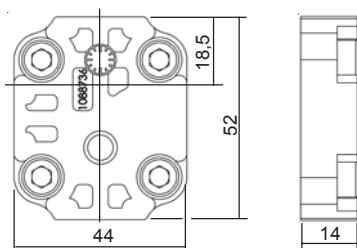
PUBLISHING 17 / 03 / 2011

022
/ 00

REAR BODY

L

Standard



DRIVING SHAFT

TAPERED

10

STRAIGHT KEYED

20

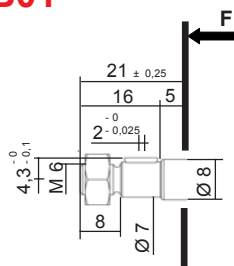
SPLINED

30

TANG

40

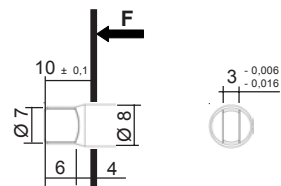
B01



Maxi transmissible torque

5 N.m

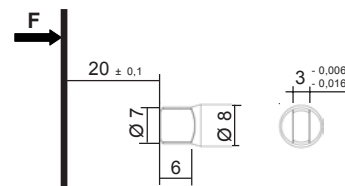
C01



Maxi transmissible torque

6 N.m

C15



Maxi transmissible torque

6 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1289 4/4

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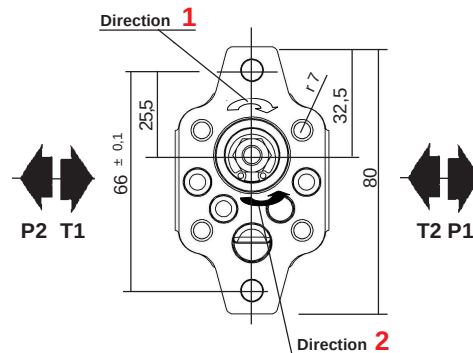
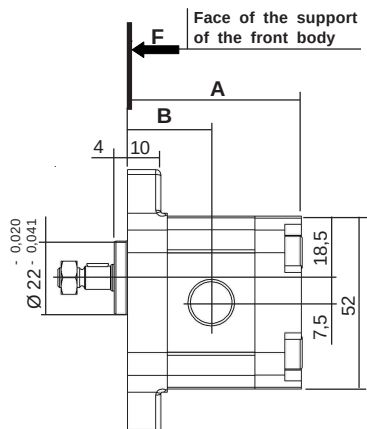
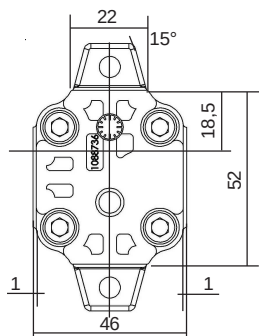
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PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B

0025	52,6	25,2
0050		
0075		
0100	59	28,4
0125		
0150		
0200	67,5	32,6

Multiple geared pumps,
see data sheet **F.T 00 1292**

Seals kits:

Nitrile: **K5073819**

Viton: **K5073820**

(For manufacture to since
may 1991)

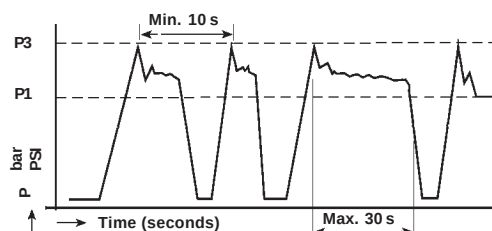
MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			

0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1290 1/2

CHOICE of IMPLANTATIONS of PORTS and of RECOMMANDED FLANGES

F
(Threaded)

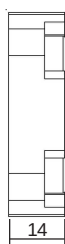
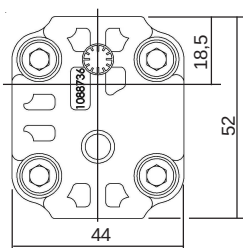
ØF
effective
depth G



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

REAR BODY

L
Standard



DRIVING SHAFT

Tapered

10

Straight keyed

20

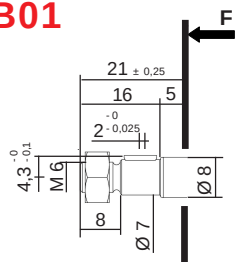
Splined

30

Tang

40

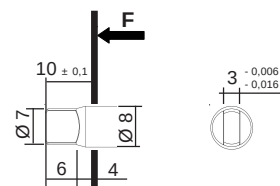
B01



Delivered with Nut Ref.: K108328

Maxi transmissible torque
5 N.m

C01



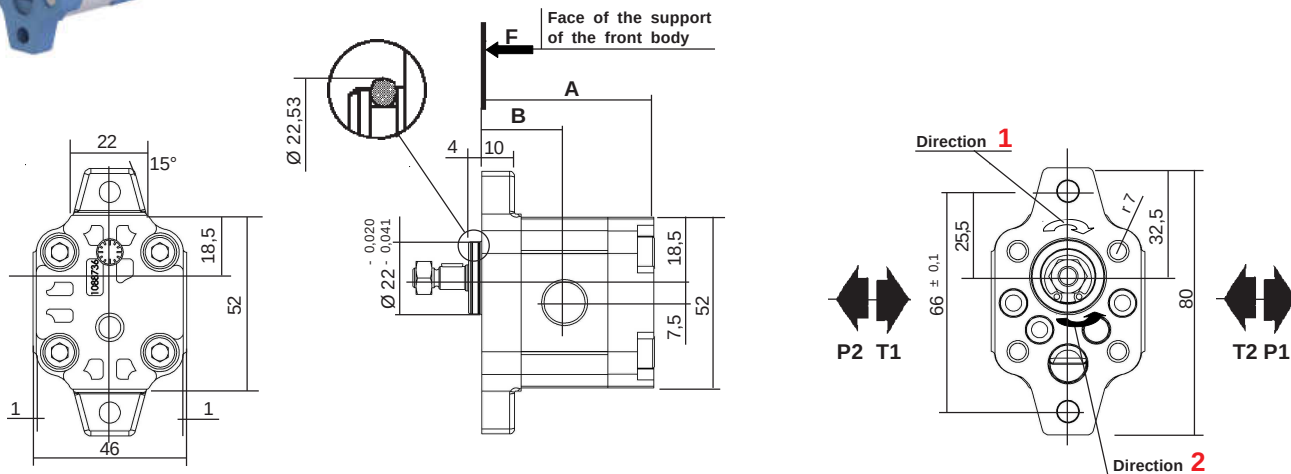
Maxi transmissible torque
6 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1290 2/2



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
0025	52,6	25,2
0050		
0075		
0100	59	28,4
0125		
0150		
0200	67,5	32,6

Multiple geared pumps,
see data sheet **F.T 00 1292**

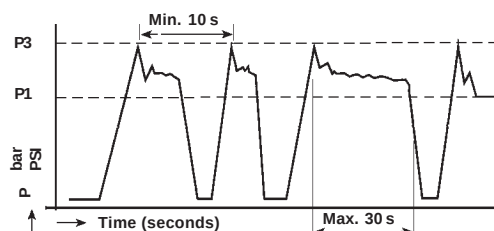
Seals kits:
Nitrile: **K5073819 + K100256**
Viton: **K5073820 + K105494**
(For manufacture to since
may 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

P1 Maximum pressure in continuous duty.

P3 Allowable peak pressure.

Maximum Pressure ⇒



Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

F
(Threaded)

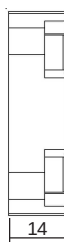
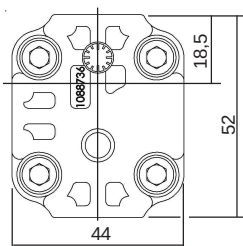
ØF
effective
depth G



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

REAR BODY

L
Standard



DRIVING SHAFT

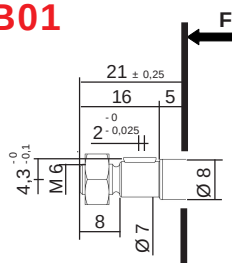
Tapered
10

Straight keyed
20

Splined
30

Tang
40

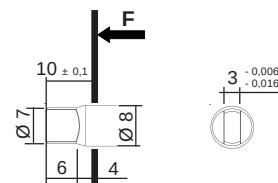
B01



Delivered with Nut Ref.: K108328

Maxi transmissible torque
5 N.m

C01



Maxi transmissible torque
6 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1324 2/2

Consult us for availability

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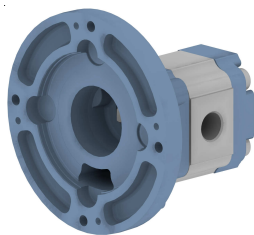
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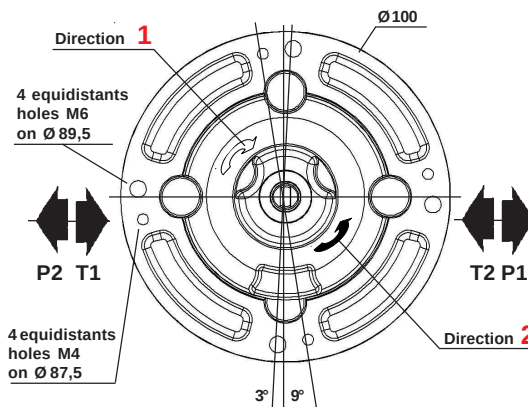
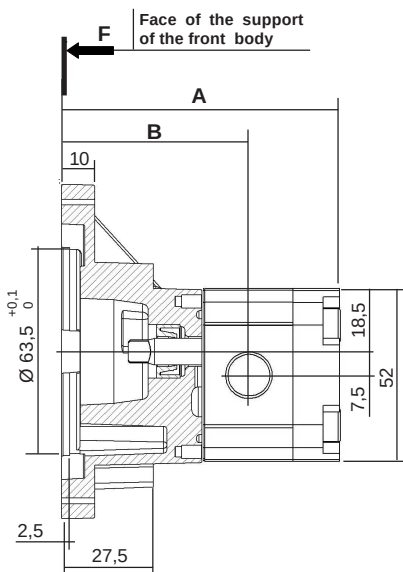
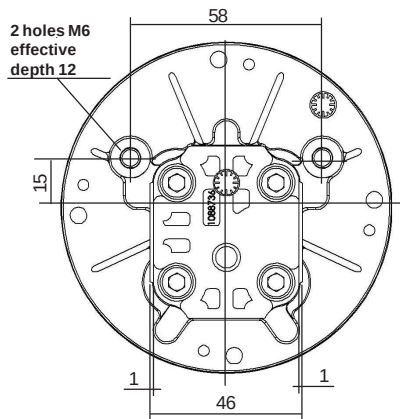
[main dimensions](#)

PUBLISHING 17 / 03 / 2011



P II Sign CL S 0 VI Sign FL 4 0 C15 XII Sign

For CODIFICATION, see data sheet F.T R 0011



CHOICE of Capacity

Dimensions
A B

0025	82,6	55,2
0050		
0075		
0100	89	58,4
0125		
0150		
0200	97,5	

Multiple geared pumps,
see data sheet F.T 00 1292

Seals kits:

Nitrile: K5073819

Viton: K5073820

(For manufacture to since
may 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			

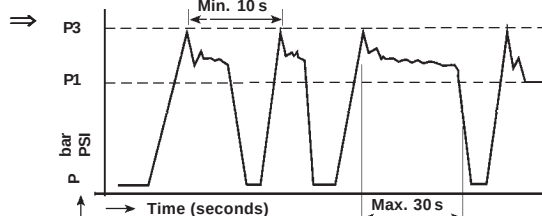
0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

F.T 00 1415 1/2

P1 Maximum pressure in continuous duty.

Maximum Pressure

P3 Allowable peak pressure.



CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

F

(Threaded)

ØF
effective
depth G

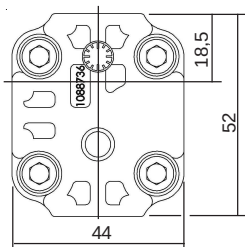


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

REAR BODY

L

Standard



DRIVING SHAFT

Tapered

10

Straight keyed

20

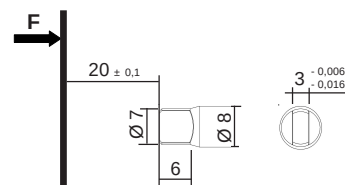
Splined

30

Tang

40

C15



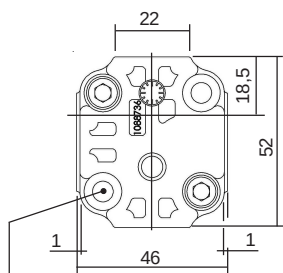
Max. transmissible torque
6 N.m

Dimension readings and approximative characteristics subject to modifications.

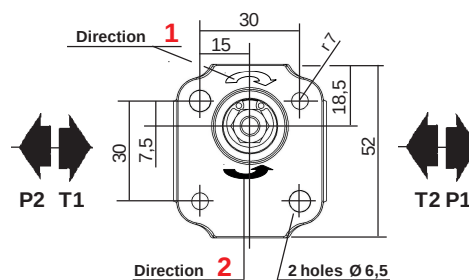
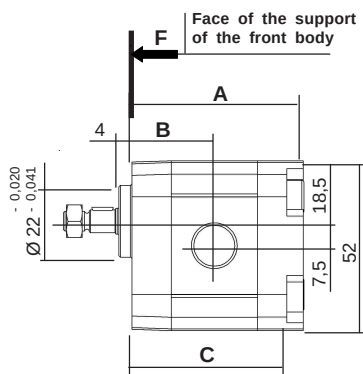
F.T 00 1415 2/2



For CODIFICATION, see data sheet **F.T R 0011**



Tightening torque
20 ± 0,2 m.daN



CHOICE of the Capacity	Dimensions		
	A	B	C
0025 0050 0075	52,6	25,2	46
0100 0125 0150	59	28,4	52,5
0200	67,5	32,6	70

Multiple geared pumps,
see data sheet **F.T 00 1292**

Seals kits:

Nitrile: **K5073819**

Viton: **K5073820**

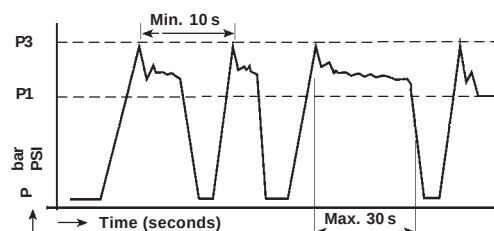
(For manufacture to since
may 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

P1 Maximum pressure in continuous duty.
 $P1 = 0,75 \times P3$

P3 Allowable peak pressure.

Maximum Pressure $\Rightarrow$



Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1291 1/2

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

F
(Threaded)

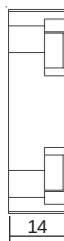
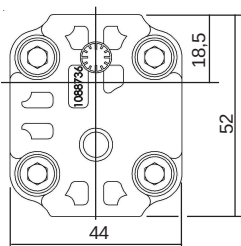
ØF
effective
depth G



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

REAR BODY

L
Standard



DRIVING SHAFT

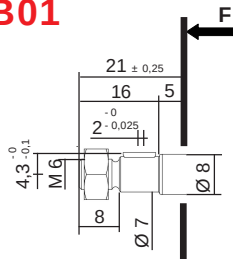
Tapered
10

Straight keyed
20

Splined
30

Tang
40

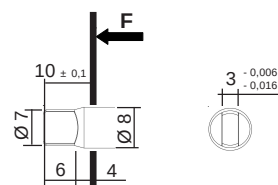
B01



Delivered with Nut Ref.: K108328

Maxi transmissible torque
5 N.m

C01



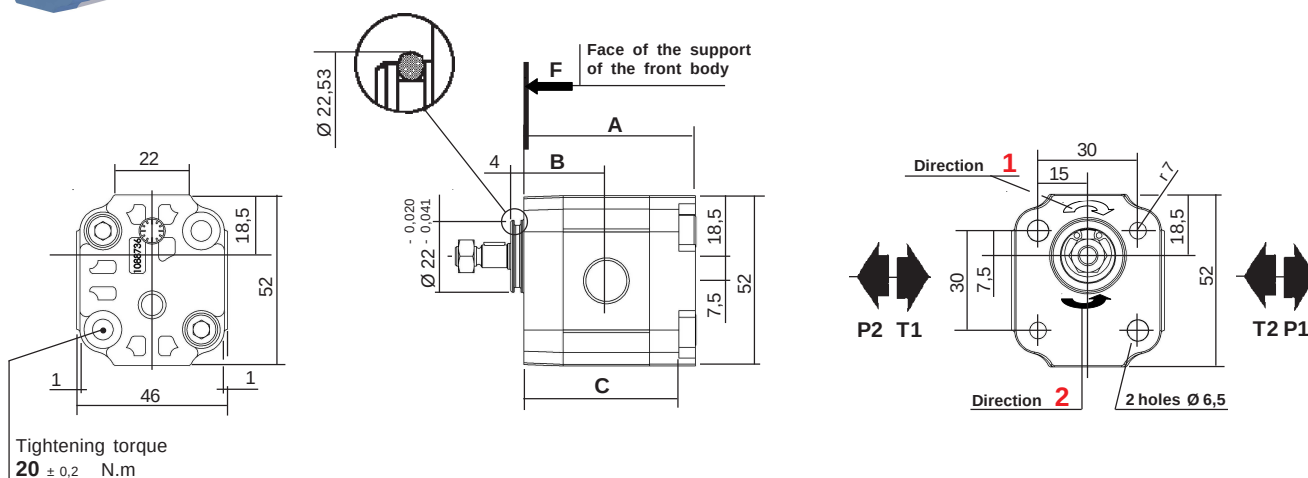
Maxi transmissible torque
6 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1291 2/2



For CODIFICATION, see data sheet **F.T R 0011**



Dimensions readings and approximative characteristics subject to modifications.

CHOICE of the Capacity	Dimensions		
	A	B	C
0025 0050 0075	52,6	25,2	46
0100 0125 0150	59	28,4	52,5
0200	67.5	32.6	70

Multiple geared pumps,
see data sheet **F.T 00 1292**

Seals kits:

Nitrile: K5073819 + K100256

Viton: K5073820 + K105494

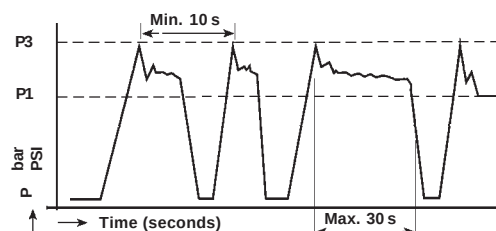
(For manufacture to since
may 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
0025	0,25	280	4060	240	3480	8000	0,37	2	0,05	0,47	0,42
0050	0,50	280	4060	240	3480	8000	0,75	4	0,10	0,94	
0075	0,75	250	3625	210	3045	8000	1,12	6	0,15	1,40	
0100	1	250	3625	210	3045	8000	1,50	8	0,20	1,87	0,45
0125	1,25	200	2900	170	2465	6000	1,87	7,5	0,25	2,34	
0150	1,50	150	2175	125	1812	6000	2,25	9	0,29	2,81	
0200	2	125	1812	105	1522	5000	3	10	0,39	3,74	0,50

P1 Maximum pressure in continuous duty.

Maximum Pressure

P3 Allowable peak pressure.



F.T 00 1325 1/2

Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

F
(Threaded)

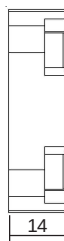
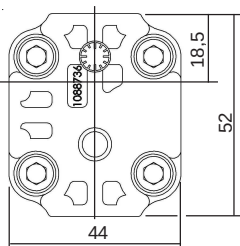
ØF
effective
depth G



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
0025 to 0200				M14 x150	12				M14 x150	12		

REAR BODY

L
Standard



DRIVING SHAFT

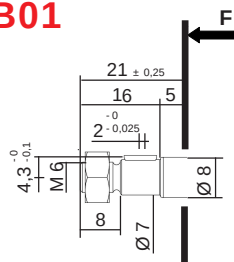
Tapered
10

Straight keyed
20

Splined
30

Tang
40

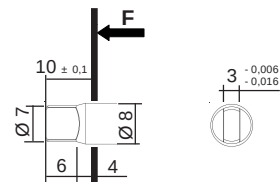
B01



Delivered with Nut Ref.: K108328

Maxi transmissible torque
5 N.m

C01

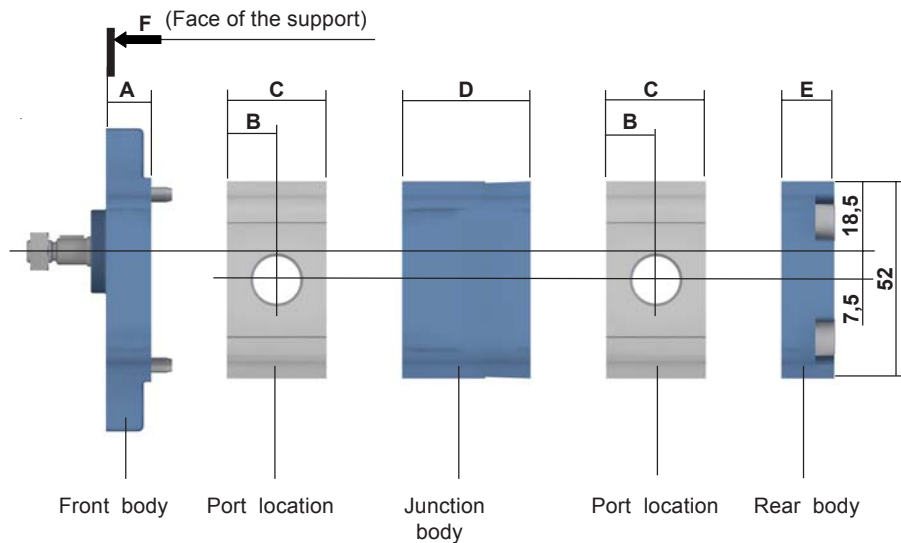


Maxi transmissible torque
6 N.m

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0030**

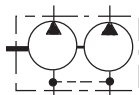


Front bodies	A
AAN / AAK DCN / DCK	12

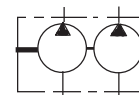
Capacity	B	C	D	E
0025 to 0050	13,2	26,4		
0075 to 0150	16,4	32,8	34	14
0200	20,6	41,2		

JUNCTION BODY (Schematic examples for 2 elements pumps)

Code D Indépendant inlet side
(communication of leaks)
(Oil and tank to be necessarily)



Code E Tightness between ports



Possible combinations of junctions up to 5 elements

CALCULATION TORQUE

Q Capacity in cc / rev

P Pressure in bar

η_m Mechanical efficiency
(see catalogue C10)

Calculation of the torque for one pump body: $\frac{1,59 \times Q \times P}{1000 \times \eta_m} = C \text{ (N.m)}$

Example : P 1 DCN 0100 F A 0075 F L 20 B01

Pressure: 0100: 200 bar Speed: 1000 RPM
0075: 100 bar

$$\frac{1,59 \times 1 \times 150}{1000 \times 0,98} = 2,4 \text{ N.m}$$

$$\frac{1,59 \times 0,75 \times 150}{1000 \times 0,93} = 1,9 \text{ N.m}$$

$$= \boxed{4,3 \text{ N.m}} \rightarrow \text{Total torque}$$

Consult us for availability

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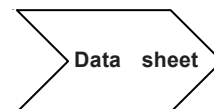
previous

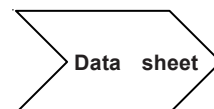
next

main dimensions

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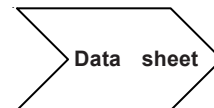
PUMPS PRESENTATION **SERIES 1**

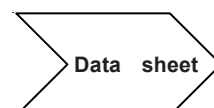

F.T 10 1293

PUMP **AAN**

F.T 10 1294

PUMP **AAK**

F.T 10 1326

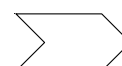
PUMP **BAN**

F.T 10 1295

PUMP **CBN**

F.T 10 1296

PUMP **CBK**

F.T 10 1327


Consult us for availability



PUMP

DCN



Data sheet

F.T 10 1297

PUMP

DCK



Data sheet

F.T 10 1328

MULTIPLES PUMPS



Data sheet

F.T 10 1298



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MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit.

Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).

- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

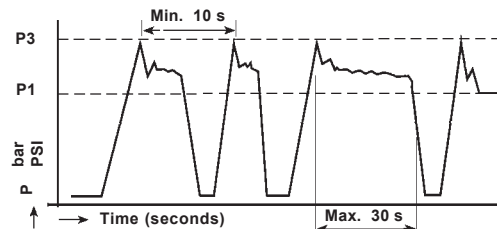
For any other coupling, see technical data sheet F.T.R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Front bodies:

AAN / AAK - BAN - CBN / CBK
DCN / DCK

A
18

Port location (capacity):

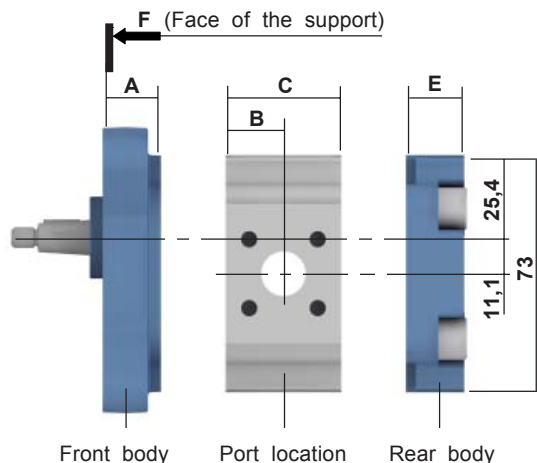
1001 - 1002 - 1003
1004 - 1005 - 1006

B
17,9
C
35,8
22,7
45,6

Rear bodies:

L - A - X - T - V - W

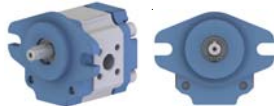
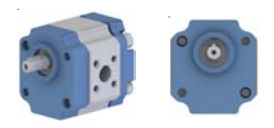
E
18



Consult us for availability

P	II Sign	III Sign	IV Sign	1	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
---	---------	----------	---------	---	---------	----------	-----------	---------	--------	---------	----------

For CODIFICATION, see data sheet F.T R 0011

DIRECTION of ROTATION (II Sign)		FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)			REAR BODIES (VIII Sign)							DRIVING SHAFTS (IX , X and XI Sign)			
P 1	P 2			C	F	X	L	A	X	T	V	W	J*	TAPERED 10	STRAIGHT KEYED 20	SPLINED 30	TANG 40
																	
X	X	AAN / AAK 															
X	X	BAN 	1001 1002 1003 1004 1005 1006											10 B01 10C01 	20 C01 	30 C01 	40 A01 40C02 
X	X	CBN / CBK 															
X	X	DCN / DCK 															

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

AA* = Fixing SAE and ISO
BA* = Fixing English and Italian
CB* = Fixing French
DC* = Fixing German

PORT LOCATION

C = Square location
F = Threaded ports
X = without ports

REAR BODIES

L = Standard
A = with rear ports
X = high pressure relief valve, internal return
T = high pressure relief valve, external return
V = low pressure relief valve, internal return
W = low pressure relief valve, external return
J* = Pre-arrangement for assembling "Module 3"
see F.T 10 1352 page

Dimensions readings and approximative characteristics subject to modifications.

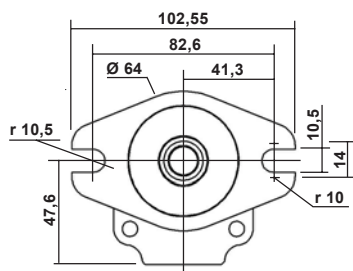
F.T 10 1293 2/7

F.T 10 1293 3/7

 Consult us for availability

FRONT BODIES

AAN / AAK

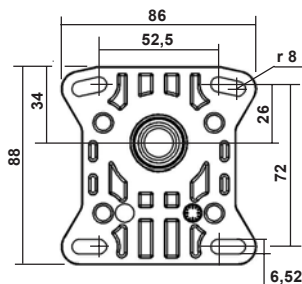


Centering: Ø 50,8 ⁰/_{-0,05}
Thickness: 6

AAN: F.T 10 1294

AAK: F.T 10 1326

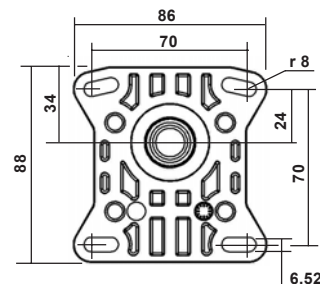
BAN



Centering: Ø 25,35 ^{-0,02}/_{-0,041}
Thickness: 4

BAN: F.T 10 1295

CBN / CBK

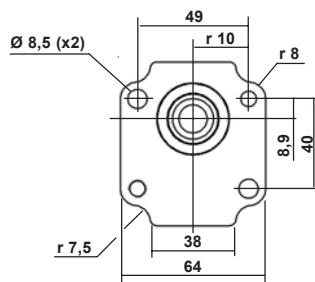


Centering: Ø 35 ^{-0,025}/_{-0,05}
Thickness: 4

CBN: F.T 10 1296

CBK: F.T 10 1327

DCN / DCK



Centering: Ø 32 ^{-0,025}/_{-0,05}
Thickness: 4

DCN: F.T 10 1297

DCK: F.T 10 1328

Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1293 4/7

Consult us for availability

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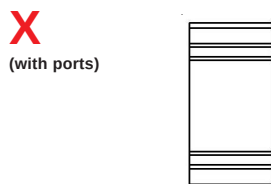
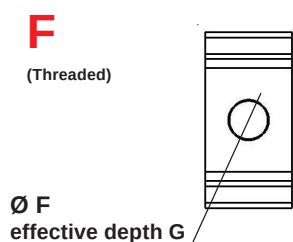
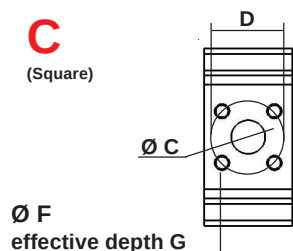
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CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES


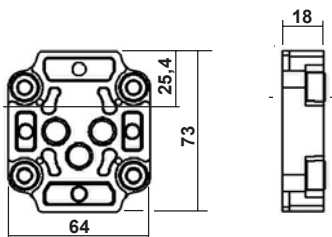
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Dimensions readings and approximative characteristics subject to modifications.

REAR BODIES

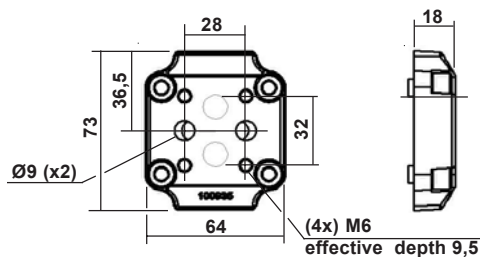
L

Standard



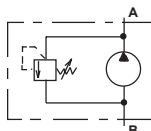
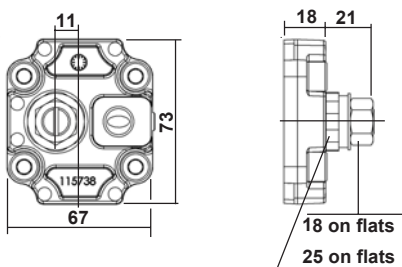
A

Rear ports



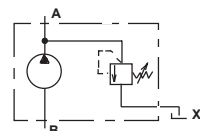
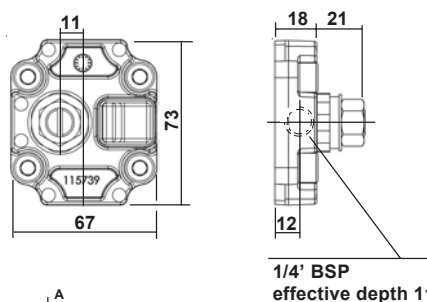
X

**high pressure relief valve,
internal return**



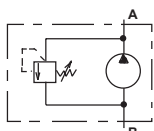
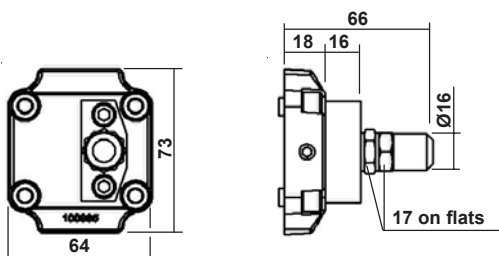
T

**high pressure relief valve,
external return**



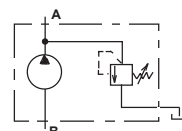
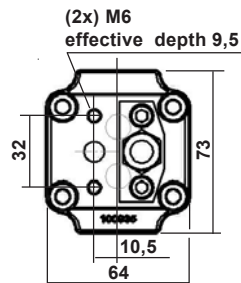
V

**low pressure relief valve,
internal return**



W

**low pressure relief valve,
external return**



Dimensions readings and approximative characteristics subject to modifications.

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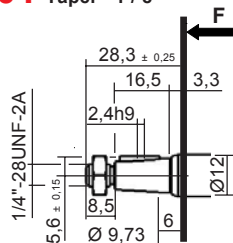
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DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



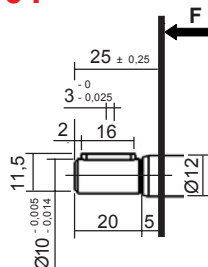
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

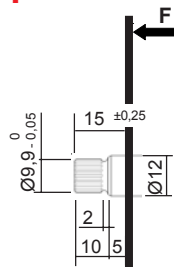


Max. transmissible torque
25 Nm

Splined

30

C01



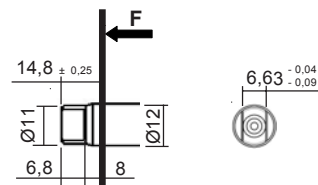
involute spline to shaft
10 x 18 x 0,5
to norm NFE 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

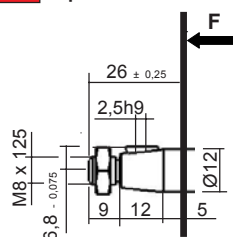
40

A01



Max. transmissible torque
30 N.m

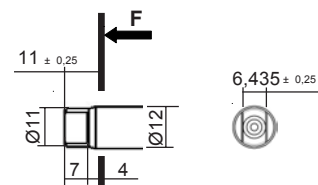
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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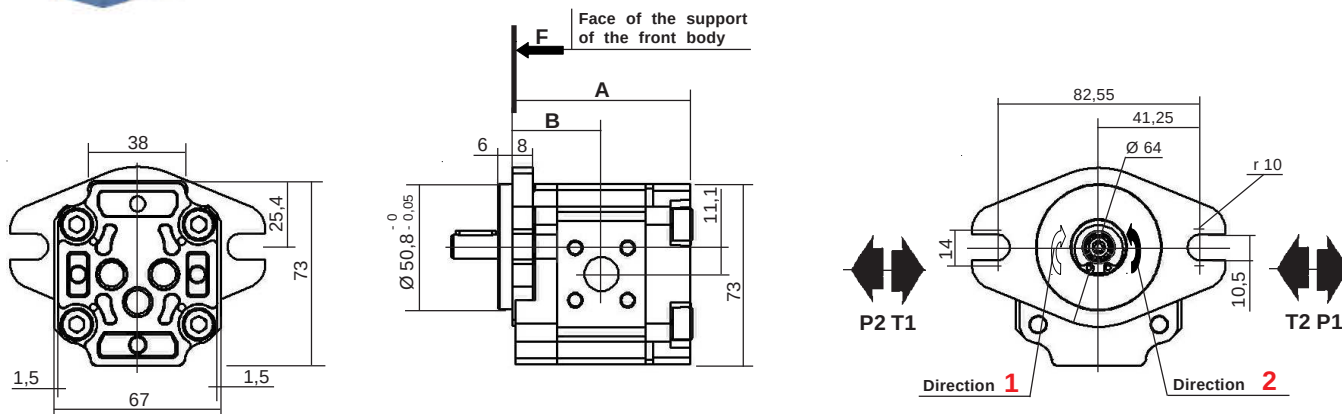
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043
/ 00



P	II Sign	AA	N	1	VI Sign	VII Sign	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions	
	A	B

1001	71,8	35,9
1002		
1003		
1004	81,5	40,7
1005		
1006		

Multiple geared pumps,
see data sheet **F.T 10 1298**

Seals kits:

Nitrile: **K5074037**

Viton: **K5074038**

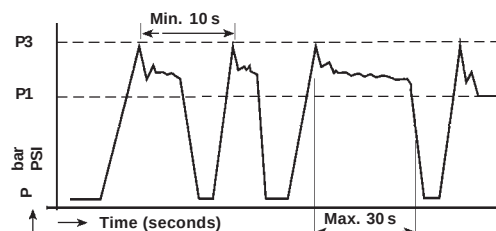
(For manufacture to since
October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.

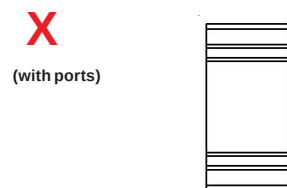
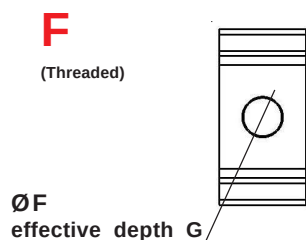
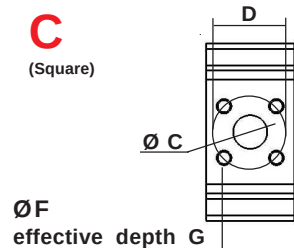
Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1294 1/4

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES


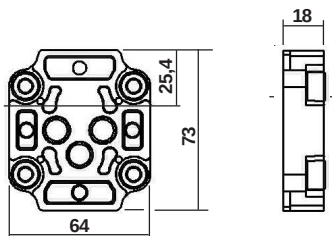
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

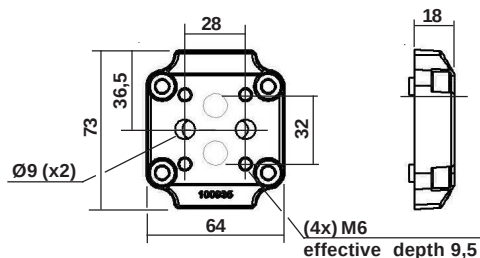
L

Standard



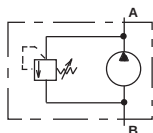
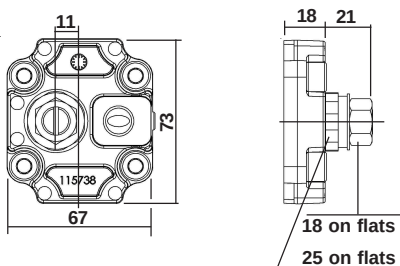
A

Rear ports



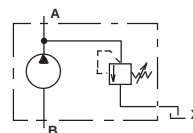
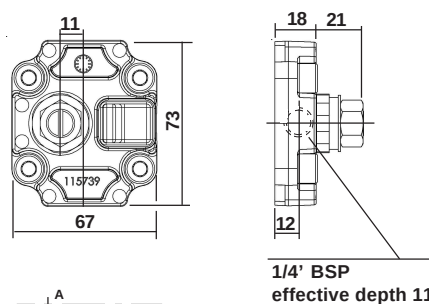
X

high pressure relief valve,
internal return



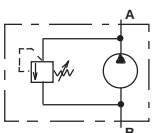
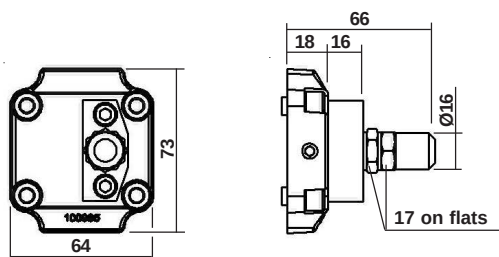
T

high pressure relief valve,
external return



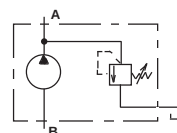
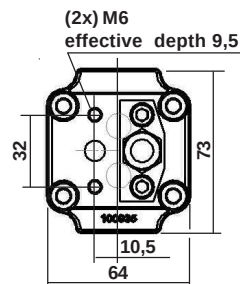
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

F.T 10 1294 3/4

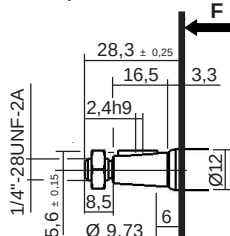
Consult us for availability

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



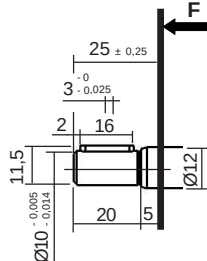
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

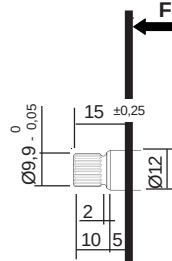


Max. transmissible torque
25 Nm

Splined

30

C01



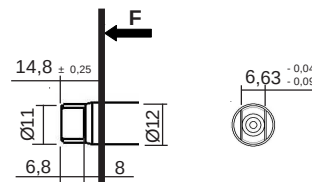
involute spline to shaft
10 x 18 x 0,5
to norm NF E 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

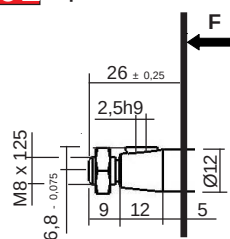
40

A01



Max. transmissible torque
30 N.m

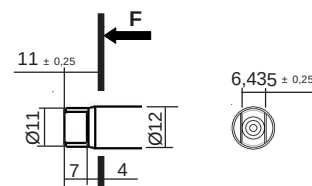
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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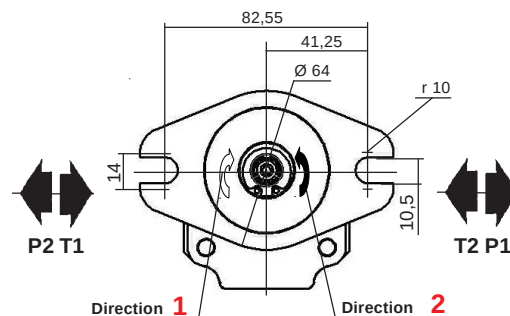
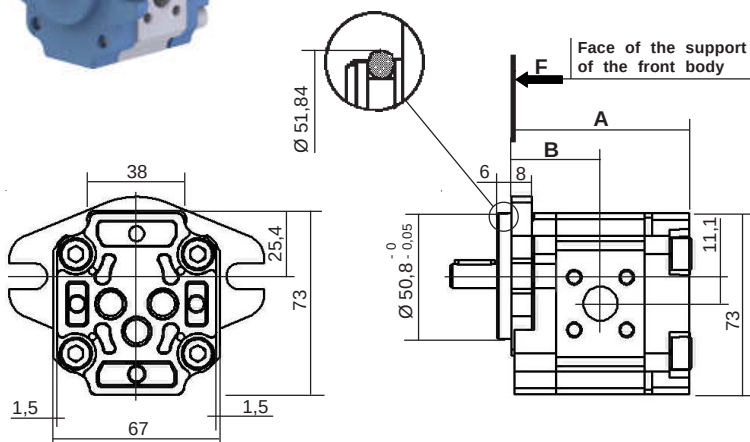
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P	II Sign	AA K	1	VI Sign	VII Sign	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions	
	A	B

1001	71,8	35,9
1002		
1003		
1004	81,5	40,7
1005		
1006		

Multiple geared pumps,
see data sheet **F.T 10 1298**

Seals kits:

Nitrile: **K5074037 + K102539**

Viton: **K5074038 + K107116**

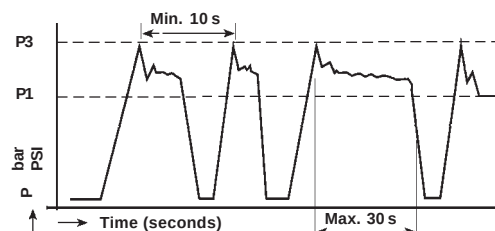
(For manufacture to since
October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.

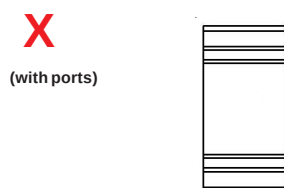
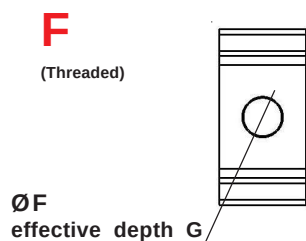
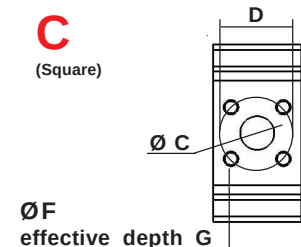


Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES



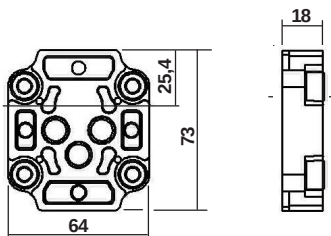
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

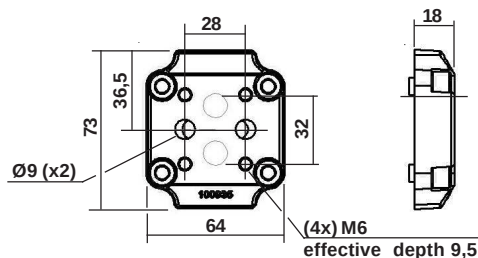
L

Standard



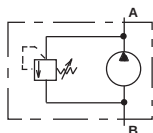
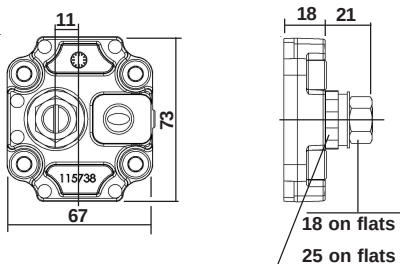
A

Rear ports



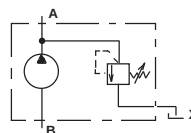
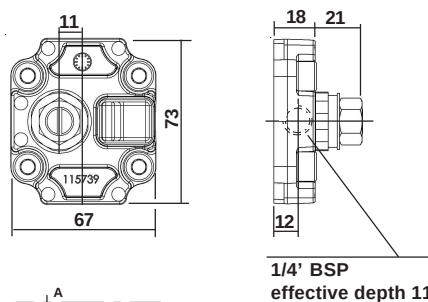
X

high pressure relief valve,
internal return



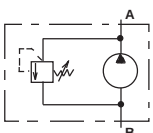
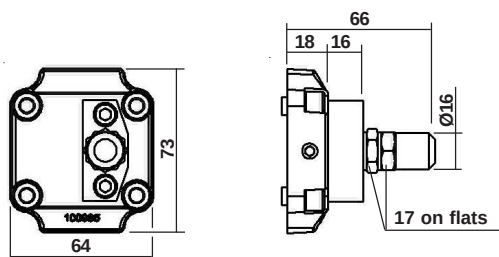
T

high pressure relief valve,
external return



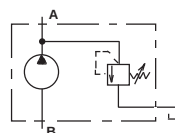
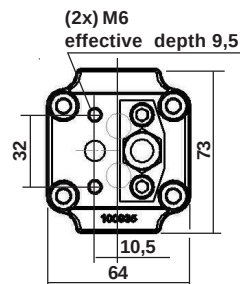
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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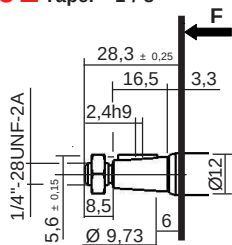
050
/ 00

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



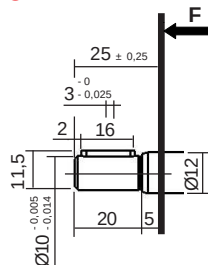
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

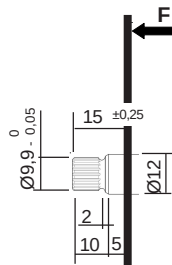


Max. transmissible torque
25 N.m

Splined

30

C01



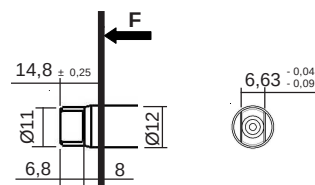
involute spline to shaft
10 x 18 x 0,5
to norm NF E 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

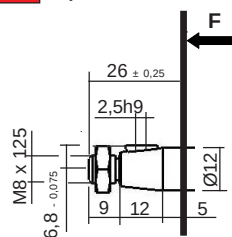
40

A01



Max. transmissible torque
30 N.m

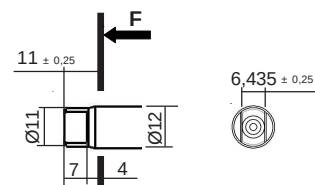
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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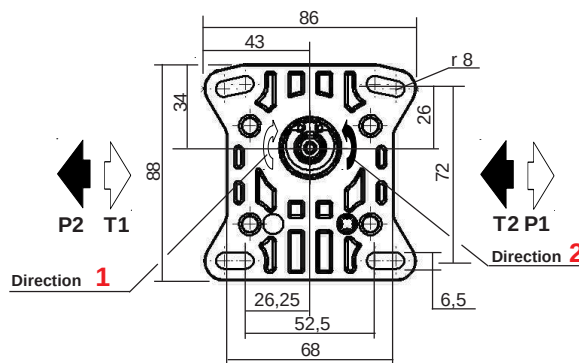
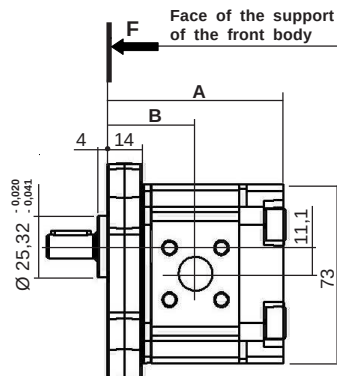
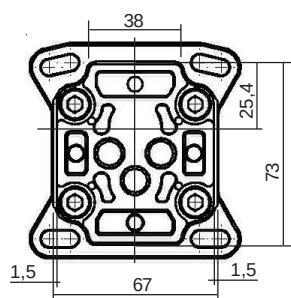
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P	II Sign	BAN	1	VI Sign	VII Sign	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions	
	A	B

1001	71,8	35,9
1002		
1003		
1004	81,5	40,7
1005		
1006		

Multiple geared pumps, see data sheet **F.T 10 1298**

Seals kits:

Nitrile: **K5074037**

Viton: **K5074038**

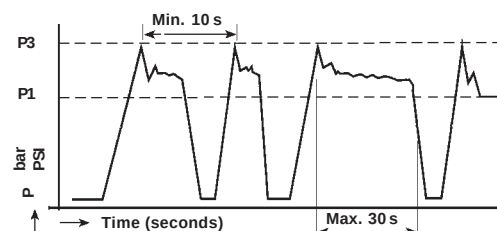
(For manufacture to since October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and 100 N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.

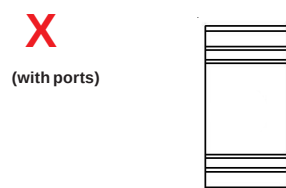
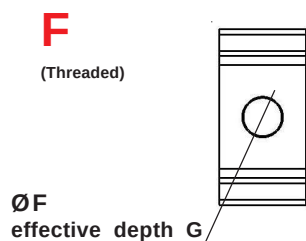
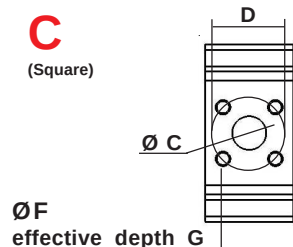
Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1295 1/4

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES


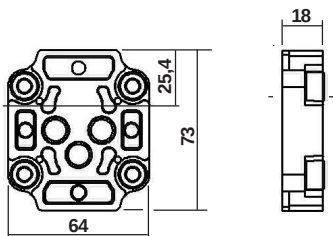
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

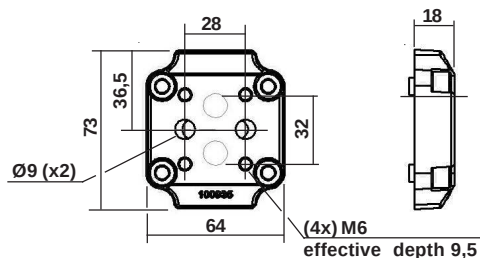
L

Standard



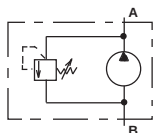
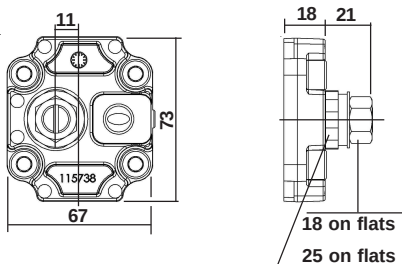
A

Rear ports



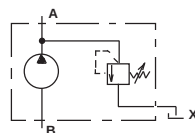
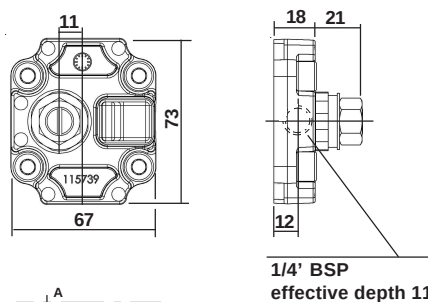
X

high pressure relief valve,
internal return



T

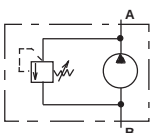
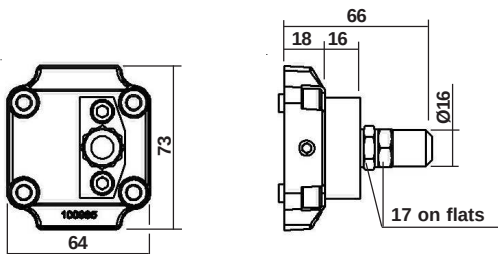
high pressure relief valve,
external return



1/4" BSP
effective depth 11

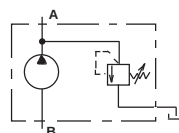
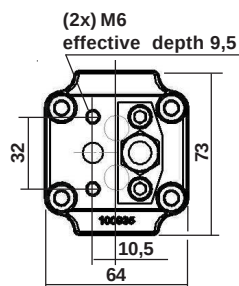
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Consult us for availability

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

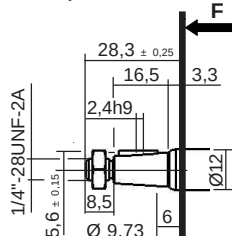
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DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



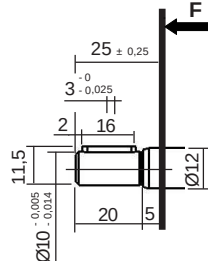
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

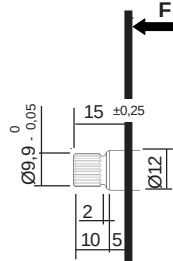


Max. transmissible torque
25 Nm

Splined

30

C01



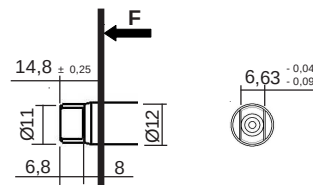
involute spline to shaft
10 x 18 x 0,5
to norm NFE 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

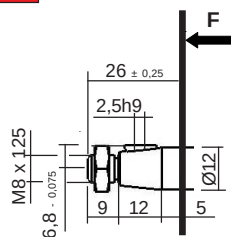
40

A01



Max. transmissible torque
30 N.m

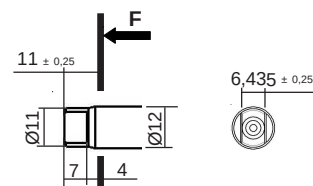
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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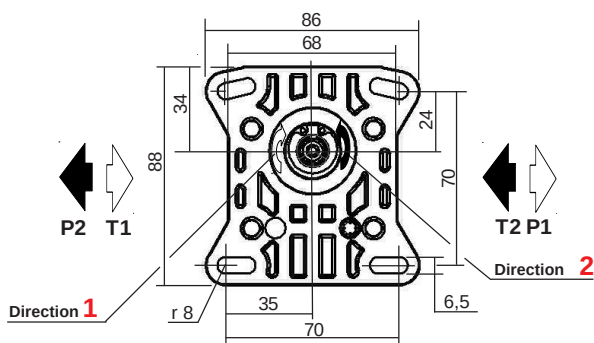
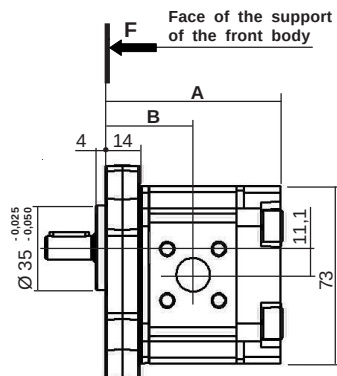
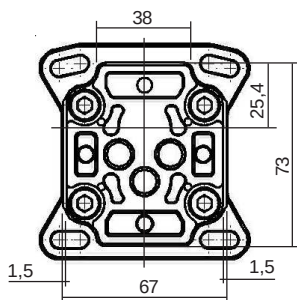
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P II Sign **CB N 1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions		
	A	B	C
1001 1002 1003	71,8	35,9	63,8
1004 1005 1006	81,5	40,7	73,5

Multiple geared pumps, see data sheet **F.T 10 1298**

Seals kits:

Nitrile: **K5074037**

Viton: **K5074038**

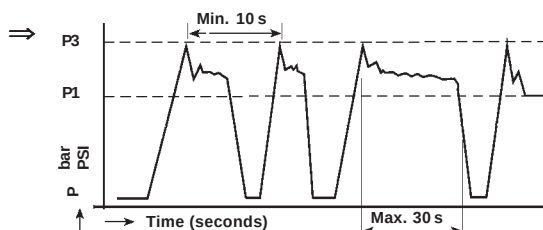
(For manufacture to since October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.

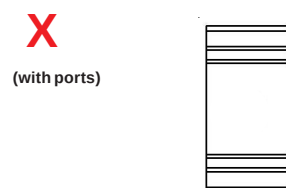
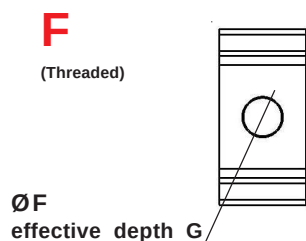
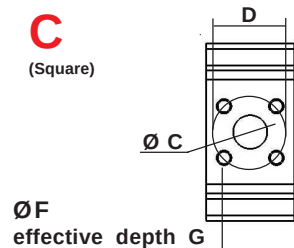
Maximum Pressure

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1296 1/4

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES


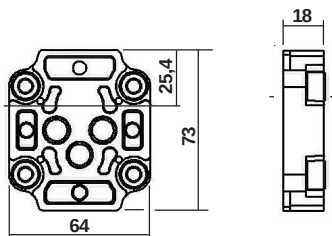
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

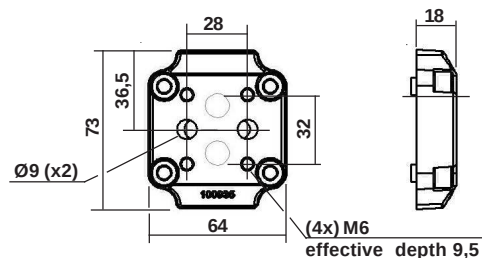
L

Standard



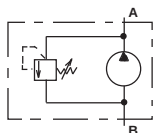
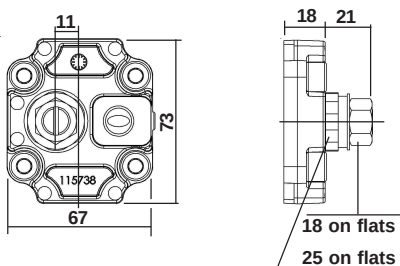
A

Rear ports



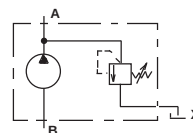
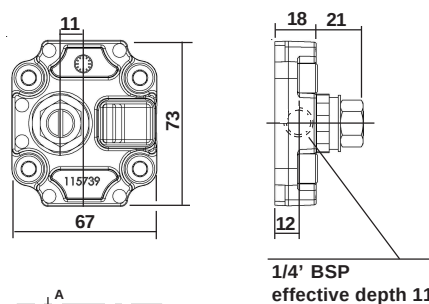
X

high pressure relief valve,
internal return



T

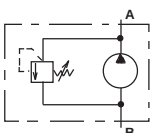
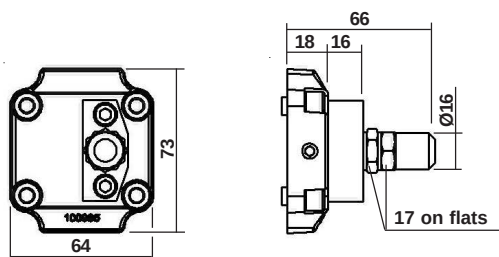
high pressure relief valve,
external return



1/4" BSP
effective depth 11

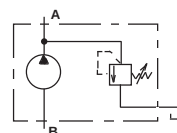
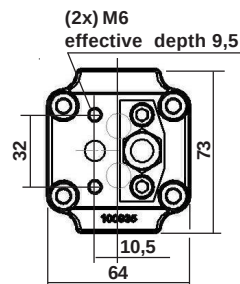
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

F.T 10 1296 3/4

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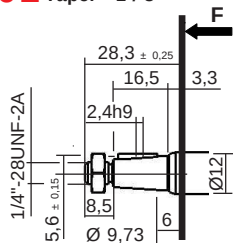
058
/ 00

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



Delivered with nut: K101719

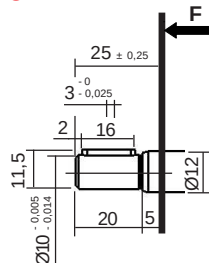
Max. transmissible torque

40 N.m

Straight keyed

20

C01



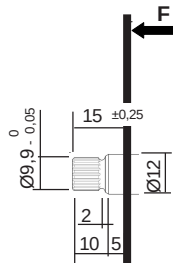
Max. transmissible torque

25 Nm

Splined

30

C01



involute spline to shaft
10 x 18 x 0,5
to norm NFE 22 141 - BNA 455
Spigot on free flanks

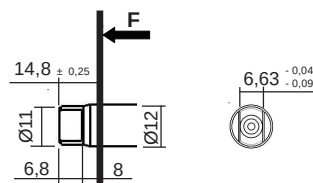
Max. transmissible torque

25 N.m

Tang

40

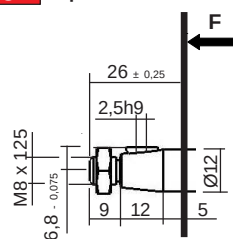
A01



Max. transmissible torque

30 N.m

C01 Taper 1 / 5

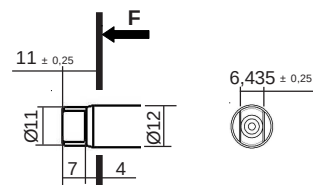


Delivered with nut: K105890

Max. transmissible torque

50 N.m

C02



Max. transmissible torque

30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

F.T 10 1296 4/4

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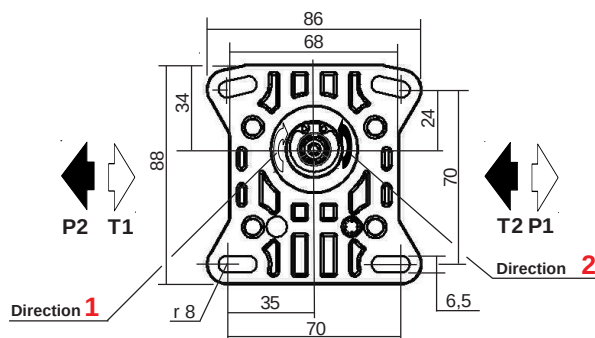
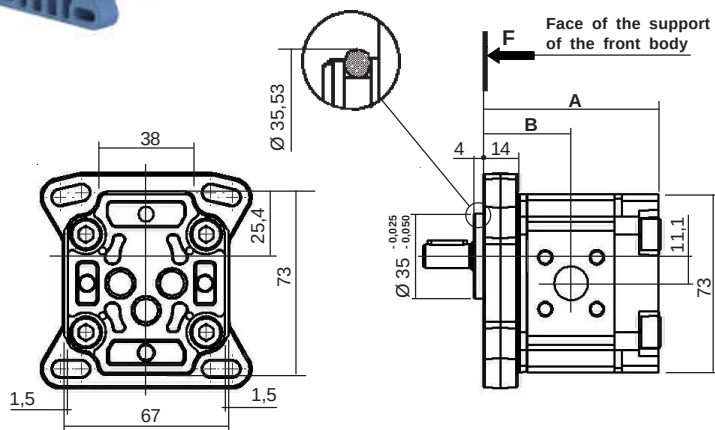
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PUBLISHING 17 / 03 / 2011

P II Sign **CB K 1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions		
	A	B	C
1001 1002 1003	71,8	35,9	63,8
1004 1005 1006	81,5	40,7	73,5

Multiple geared pumps, see data sheet **F.T 10 1298**

Seals kits:

Nitrile: **K5074037**

Viton: **K5074038**

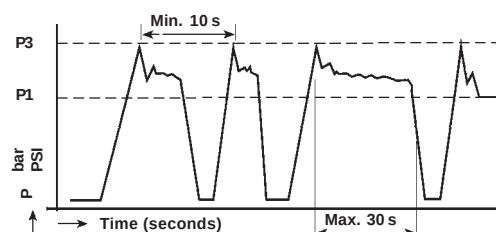
(For manufacture to since October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

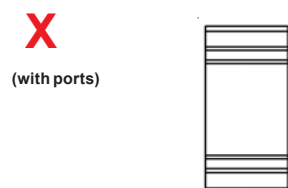
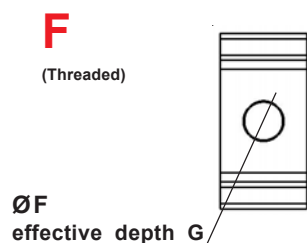
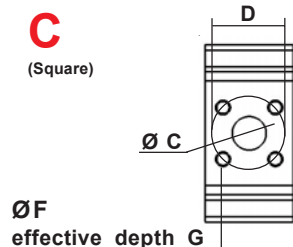
P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1327 1/4

Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.500292 V: 1.504770	1 / 4 " BSP N: 1.500292 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.500292 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

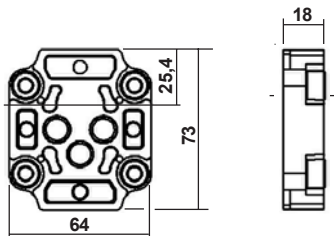
F.T 10 1327 2/4

Consult us for availability

REAR BODIES

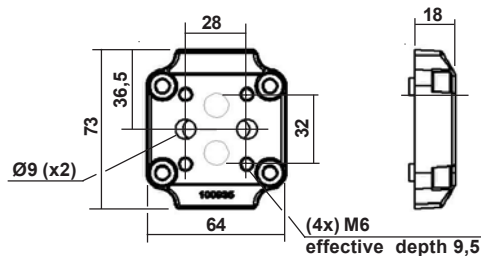
L

Standard



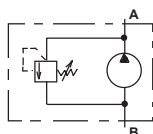
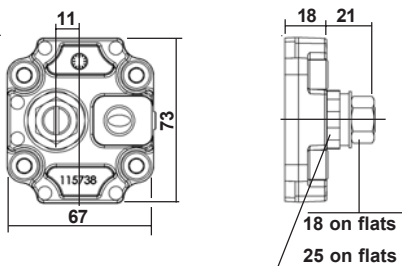
A

Rear ports



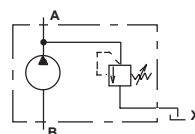
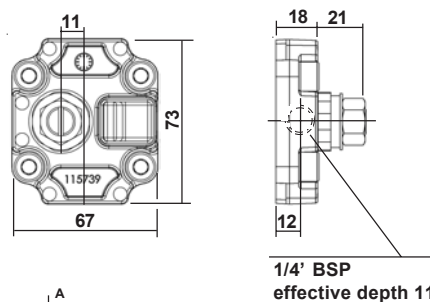
X

high pressure relief valve,
internal return



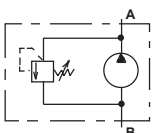
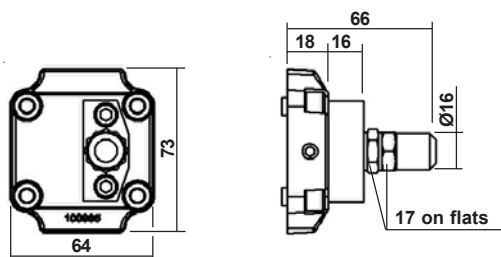
T

high pressure relief valve,
external return



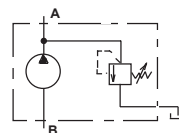
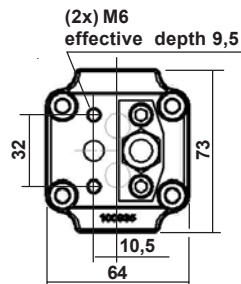
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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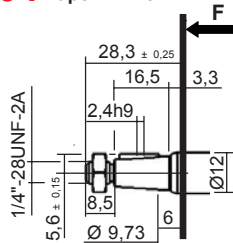
062
/ 00

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



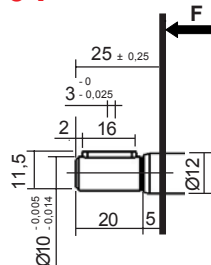
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

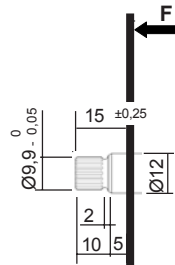


Max. transmissible torque
25 Nm

Splined

30

C01



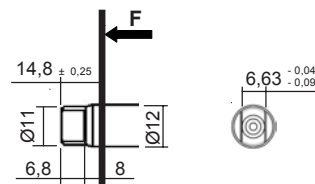
involute spline to shaft
10 x 18 x 0,5
to norm NF E 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

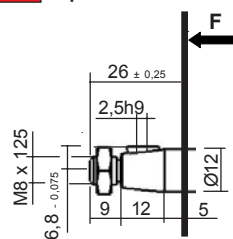
40

A01



Max. transmissible torque
30 N.m

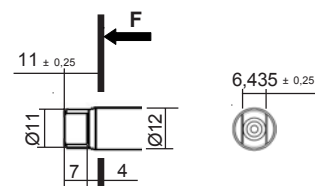
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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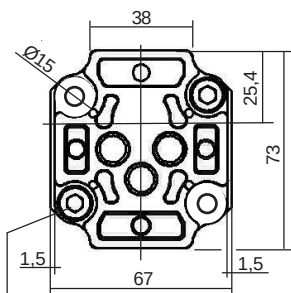
next

main dimensions

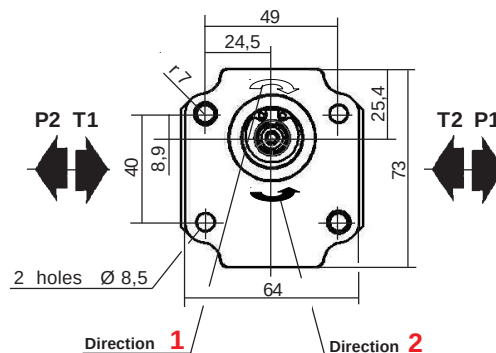
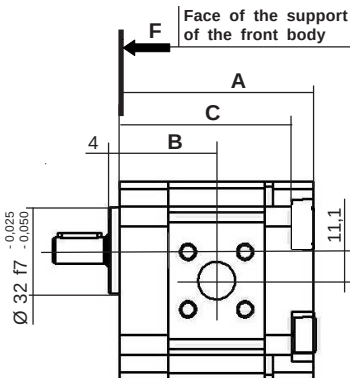
PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



Couple de serrage
20 ± 0,2 N.m



CHOICE of the Capacity	Dimensions		
	A	B	C

1001	71,8	35,9	63,8
1002			
1003			
1004	81,5	40,7	73,5
1005			
1006			

Multiple geared pumps,
see data sheet **F.T 10 1298**

seals kits:

Nitrile: **K5074037**

Viton: **K5074038**

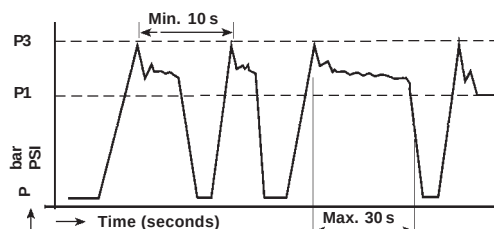
(For manufactured to since
October 1991)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.
 $P1 = 0,75 \times P3$

P3 Allowable peak pressure.

Maximum Pressure $\Rightarrow$

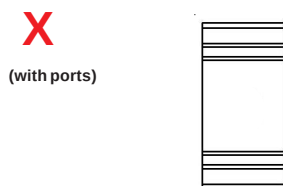
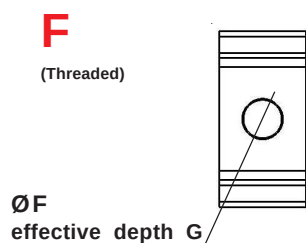
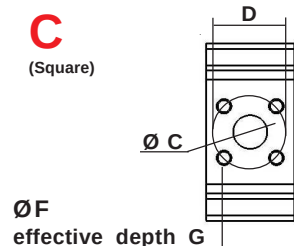


Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1297 1/4

Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES



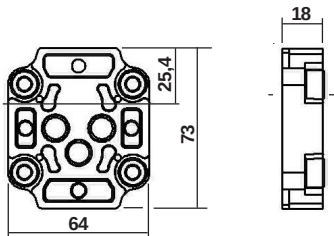
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

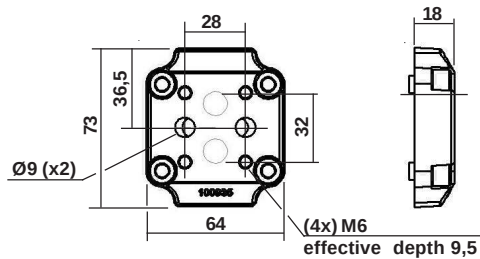
L

Standard



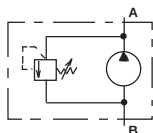
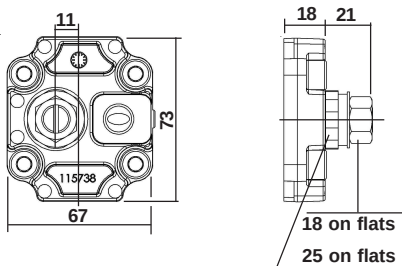
A

Rear ports



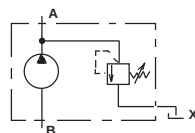
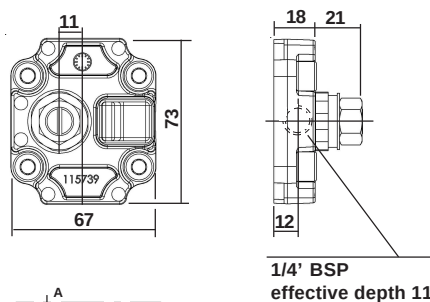
X

high pressure relief valve,
internal return



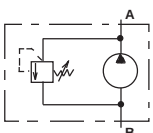
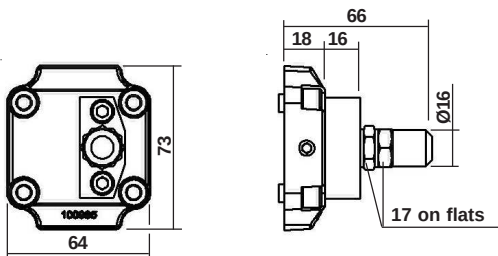
T

high pressure relief valve,
external return



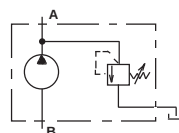
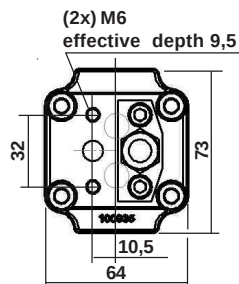
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

F.T 10 1297 3/4

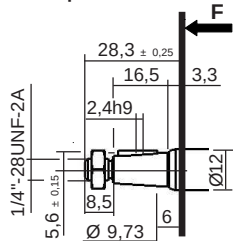
Consult us for availability

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



Delivered with nut: K101719

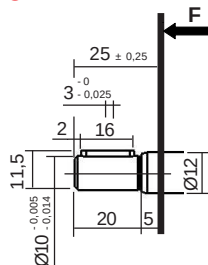
Max. transmissible torque

40 N.m

Straight keyed

20

C01



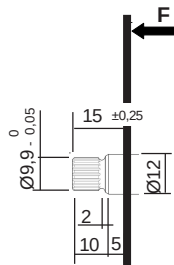
Max. transmissible torque

25 N.m

Splined

30

C01



involute spline to shaft
10 x 18 x 0,5
to norm NFE 22 141 - BNA 455
Spigot on free flanks

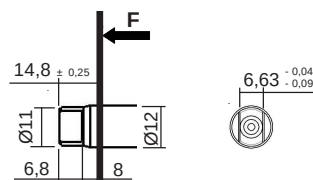
Max. transmissible torque

25 N.m

Tang

40

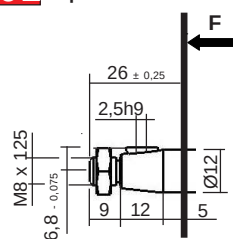
A01



Max. transmissible torque

30 N.m

C01 Taper 1 / 5

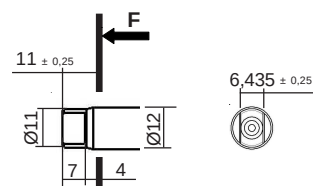


Delivered with nut: K105890

Max. transmissible torque

50 N.m

C02



Max. transmissible torque

30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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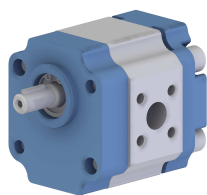
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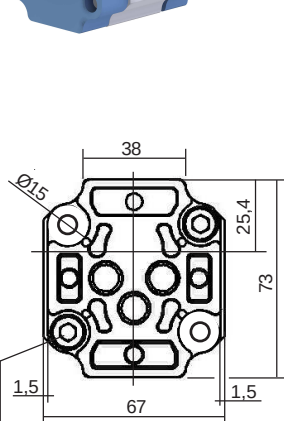
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[main dimensions](#)

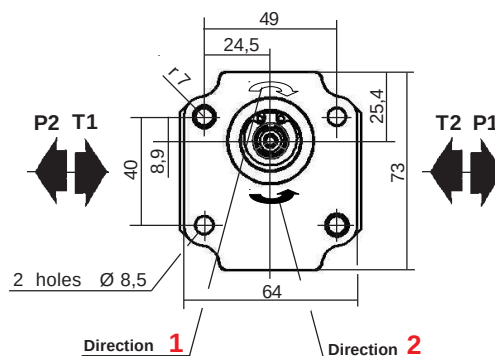
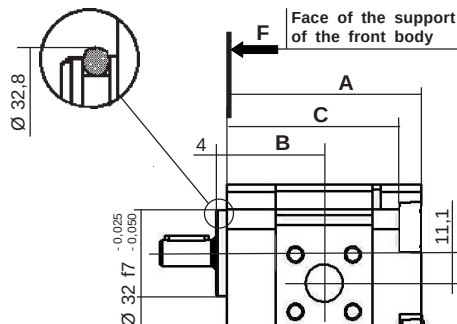
PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



Couple de serrage
20 ± 0,2 N.m



CHOICE of the Capacity	Dimensions		
	A	B	C
1001 1002 1003	71,8	35,9	63,8
1004 1005 1006	81,5	40,7	73,5

Multiple geared pumps,
see data sheet **F.T 10 1298**

seals kits:

Nitrile: **K5074037 + K108227**

Viton: **K5074038 + K108228**

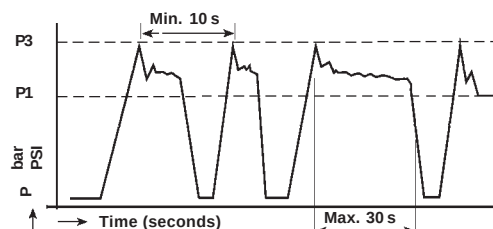
(For manufactured to since
October 1991)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
1001	1,02	300	4350	255	3697	8000	1,53	8,16	0,32	0,30	0,9
1002	2,05	300	4350	255	3697	8000	3,07	16,4	0,48	0,46	
1003	3,07	300	4350	255	3697	7000	4,60	21,4	0,67	0,64	
1004	4,09	250	3625	215	3117	6000	6,13	24,5	0,87	0,83	1,1
1005	5,12	200	2900	170	2465	6000	7,68	30,7	1,07	1,02	
1006	6,14	150	2175	125	1812	6000	9,21	30,7	1,22	1,16	

P1 Maximum pressure in continuous duty.
 $P1 = 0,75 \times P3$

P3 Allowable peak pressure.

Maximum Pressure $\Rightarrow$

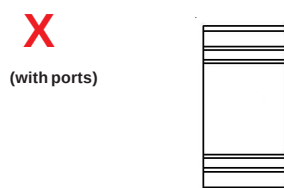
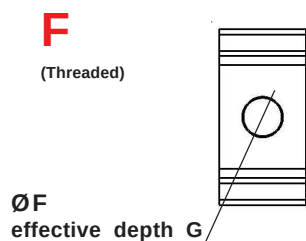
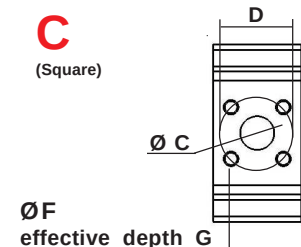


Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES



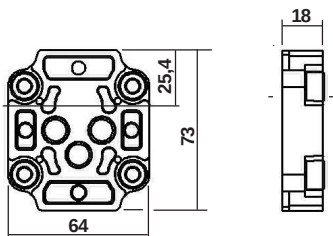
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.505878 V: 1.504770	1 / 4 " BSP N: 1.505878 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.505878 V: 1.504770
1001 to 1003				3/8" BSP	12				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		
1001 to 1006	Only with rear body Type A											

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

REAR BODIES

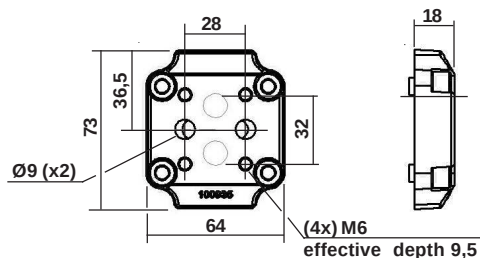
L

Standard



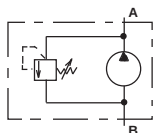
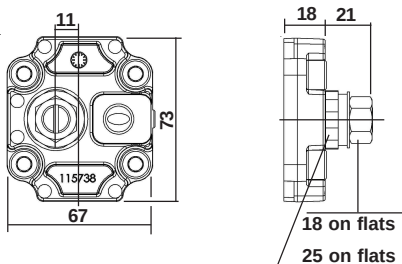
A

Rear ports



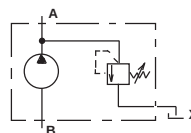
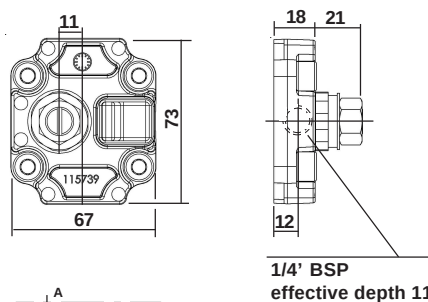
X

high pressure relief valve,
internal return



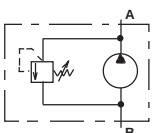
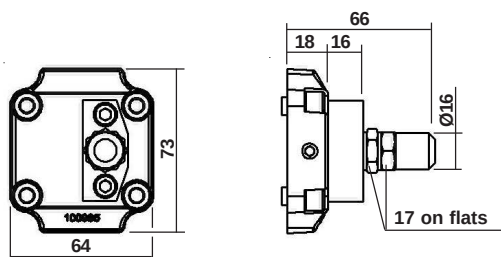
T

high pressure relief valve,
external return



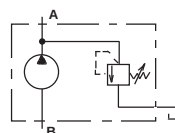
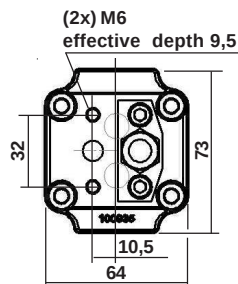
V

low pressure relief valve,
internal return



W

low pressure relief valve,
external return



Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

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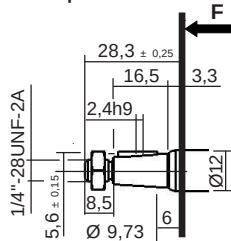
070
/ 00

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



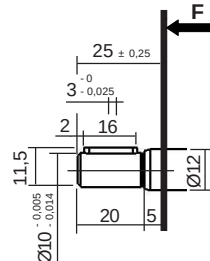
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

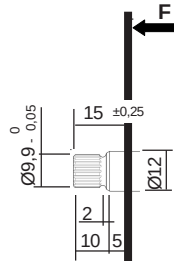


Max. transmissible torque
25 Nm

Splined

30

C01



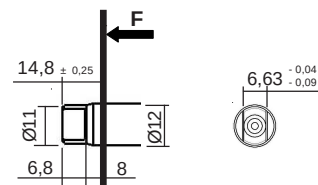
involute spline to shaft
10 x 18 x 0,5
to norm NF E 22 141 - BNA 455
Spigot on free flanks

Max. transmissible torque
25 N.m

Tang

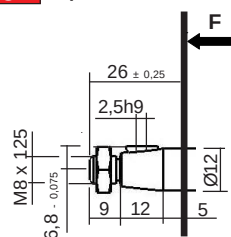
40

A01



Max. transmissible torque
30 N.m

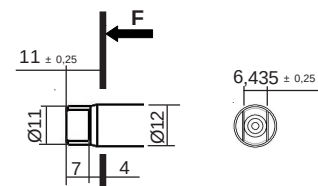
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

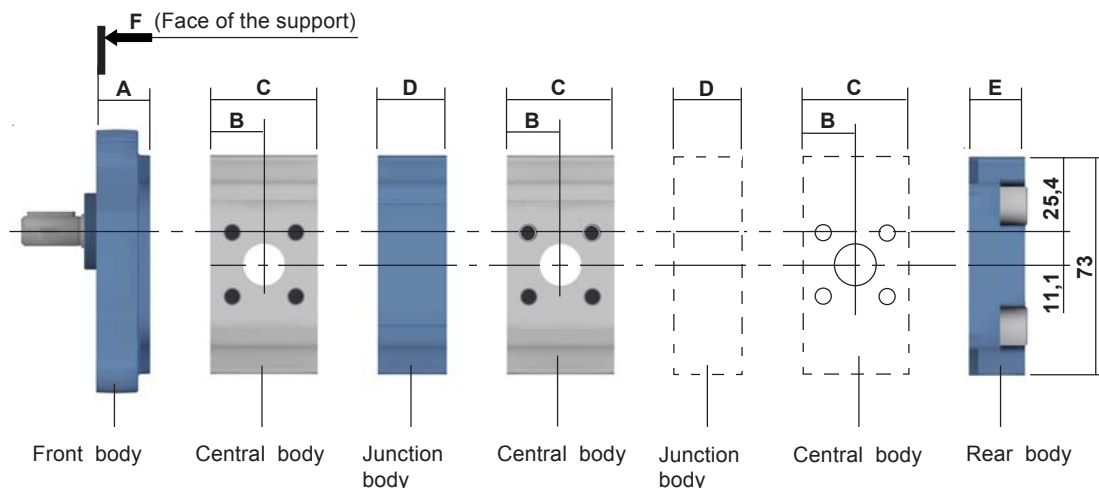
C02



Max. transmissible torque
30 N.m

Cotes dimensionnelles et caractéristiques approximatives sous réserves de modifications

For CODIFICATION, see data sheet **F.T R 0030**



ATTENTION

For common suctions.

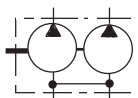
The flow of the pump, or pumps preceding or following the section including the suction must not exceed **12 l / min.**

Front body	A
AAN / AAK - BAN	18
CBN / CBK - DCN / DCK	

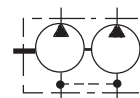
Capacity	B	C	D	E
1001 to 1003	17,9	35,8	23	18
1004 to 1006	22,7	45,6		

JUNCTION BODY (Schematic examples for 2 elements pumps)

Code A **Communication between suction ports**
(Capacity if the pump without suction $\geq$ half of the capacity of the front section)



Code D **Indépendant inlet side (communication of leaks)**
(Oil and tank to be necessarily)



Possible combinations of junctions up to 5 elements

CALCULATION TORQUE

Q Capacity in cc / rev

P Pressure in bar

η_m Mechanical efficiency (see catalogue C10)

Calculation of the torque for one pump body: $\frac{1,59 \times Q \times P}{1000 \times \eta_m} = C \text{ (N.m)}$

Example : P 1 AAN 1006 C A 1004 H L 20 C01

Pressure: 1006: 175 bar
1004: 150 bar

Speed: 1000 RPM

$$\frac{1,59 \times 6 \times 175}{1000 \times 0,87} = 1,91 \text{ N.m}$$

$$\frac{1,59 \times 4 \times 150}{1000 \times 0,87} = 1,09 \text{ N.m}$$

$$= \boxed{3 \text{ N.m}} \rightarrow \text{Total torque}$$

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PUBLISHING 17 / 03 / 2011

PUMPS PRESENTATION SERIES 2 and 2,5



F.T 20 1299

- FLAT FRONT BODIES

PUMP **AAN**



F.T 20 1300

PUMP **AAK**



F.T 20 1329

PUMP **AFN**



F.T 20 1366

PUMP **APK**



F.T 20 1368

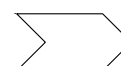
PUMP **BAN**



F.T 20 1301



Consult us for availability



- FLAT FRONT BODY (rest)

PUMP

CAN



Data sheet

F.T 20 1302

PUMP

CEN



Data sheet

F.T 20 1303

PUMP

CEK



Data sheet

F.T 20 1360

PUMP

DBN



Data sheet

F.T 20 1304

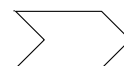
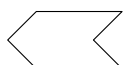
PUMP

DBK



Data sheet

F.T 20 1330



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PUBLISHING 17 / 03 / 2011

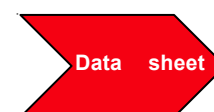
- FLAT FRONT BODY (rest)

PUMP **DCN**



F.T 20 1305

PUMP **DCK**



F.T 20 1331

PUMP **DUK**



F.T 20 1333

PUMP **DWN**



F.T 20 1332

PUMP **DZK**

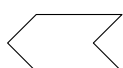


F.T 20 1362

MULTIPLES
PUMPS



F.T 20 1306



Consult us for availability

**Series
2**

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

**Series
2,5**

2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit .

Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).
- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

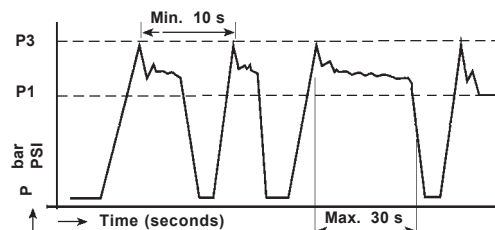
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.

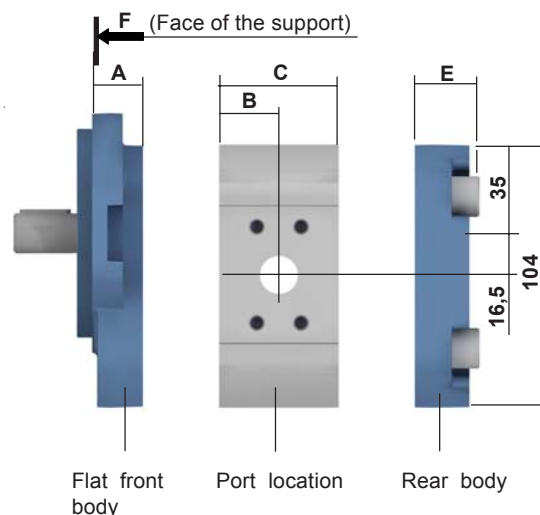


FLAT FRONT BODY

Flat front bodies:	A
AAN / AAK - APK	20
BAN - CAN - DBN / DBK	
AFN	21
CEN / CEK	22
DCN / DCK - DUK - DWN	18
DZK	

Port location (capacity):	B	C
2004 - 2006 - 2008 - 2010 - 2012	23,5	47
2014 - 2015 - 2017 - 2018 - 2022 2522	31	61,6
2026 - 2030 2515 - 2518 - 2522	38,8	77,7

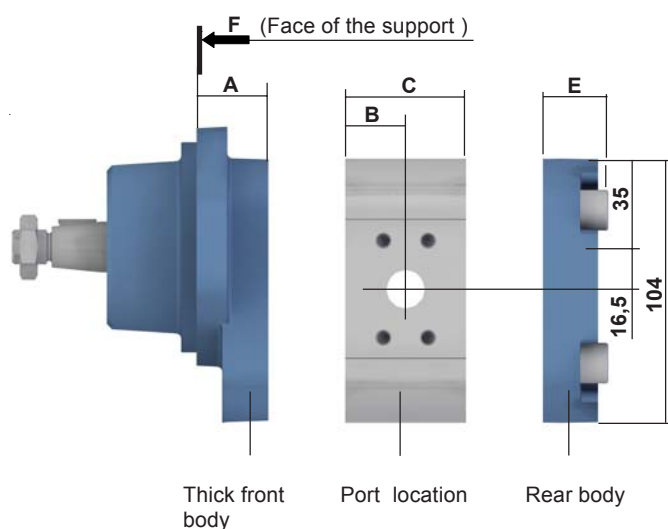
Rear bodies:	E
L	25,5
A	24,5
X - T	25,5
V - W - D	24
Q	38
R	40


THICK FRONT BODY

Thick front bodies:	A
AAP / AAR	28
ARP / ARK	25
DBP / DBR	51

Port location (capacity):	B	C
2004 - 2006 - 2008 - 2010 - 2012	23,5	47
2014 - 2015 - 2017 - 2018 - 2022 2522	31	61,6
2026 - 2030 2515 - 2518 - 2522	38,8	77,7

Rear bodies:	E
L	25,5
A	24,5
X - T	25,5
V - W - D	24
Q	38
R	40



Dimensions readings and approximative characteristics subject to modifications.

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PUBLISHING 02 / 04 / 2013

P

II Sign

III Sign

IV Sign

2

VI Sign

VII Sign

VIII Sign

IX Sign

X Sign

XI Sign

XII Sign

P

II Sign

III Sign

IV Sign

2 5

VI Sign

VII Sign

VIII Sign

IX Sign

X Sign

XI Sign

XII Sign

For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)		FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)							REAR BODIES (VIII Sign)									DRIVING SHAFTS (IX, X and XI Sign)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				H	C	B	F	U	X	Y	L	A	X	T	V	W	Q	AR	J*	TAPERED	STRAIGH KEYED	SPLINED	TANG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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X	X	AAN / AAK 																				
X	X	AFN 																				
X	X	APK 	2004	2006	2008	2010	2012	2014	2015	2017												
X	X	BAN 																				
X	X	CAN 	2018	2022	2026	2030																
X	X	CEN / CEK 	2512	2515	2517	2518	2522															
X	X	DBN / DBK 																				
X	X	DCN / DCK 																				
X	X	DWN 																				

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

AA* = Fixing SAE and ISO
BA* = Fixing English and Italian
CB* = Fixing French
DC* = Fixing German

PORT LOCATION

H = HPI
C = Square location
B = Italian location
F = Threaded ports
U = SAE threaded location
(Norm J 475)
X = without ports
Y = ISO location (Norm 6162)

REAR BODIES

L = Standard
A = External flow control
X = High pressure relief valve -
internal pressure
T = High pressure relief valve -
external pressure
V = Low pressure relief valve -
internal pressure
W = Low pressure relief valve -
external pressure
Q = Flow control
internal return
AR = with block configuration MBPS
J* = Pre-arrangement for
assembling "Module 3"
see F.T 20 1353 page 397 / 00



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 3/11

Consult us for availability

P

II Sign

III Sign

IV Sign

2

VI Sign

VII Sign

VIII Sign

IX Sign

X Sign

XI Sign

XII Sign

P

II Sign

III Sign

IV Sign

25

VI Sign

VII Sign

VIII Sign

IX Sign

X Sign

XI Sign

XII Sign

For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)		FRONT BODIES FLAT and THICK (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)								REAR BODIES (VIII Sign)								DRIVING SHAFTS (IX, X and XI Sign)			
P 1	P 2			H	C	B	F	U	X	Y	L	A	X	T	V	W	Q	AR	J*	TAPERED 10	STRAIGH KEYED 20	SPLINED 30	TANG 40
X	X	DUK	2004 2006 2008 2010 2012 2014 2015																				
X	X	DZK	2017 2018 2022 2026 2030																				
X	X	AAP / AAR	2512 2515 2517 2518 2522																				
X	X	ARP / ARK																					
X	X	DBP / DBR																					

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

AA* = Fixing SAE and ISO
BA* = Fixing English and Italian
CB* = Fixing French
DC* = Fixing German

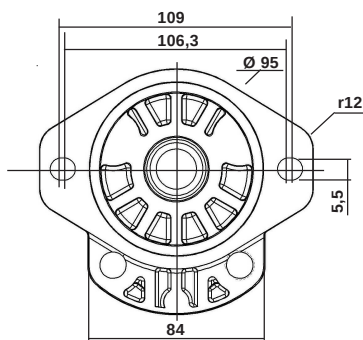
PORT LOCATION

H = HPI
C = Square location
B = Italian location
F = Threaded ports
U = SAE threaded location (Norm J 475)
X = without ports
Y = ISO location (Norm 6162)

REAR BODIES

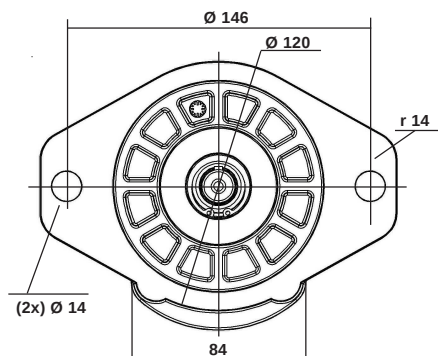
L = Standard
A = External flow control
X = High pressure relief valve - internal pressure
■ = High pressure relief valve - external pressure
■ = Low pressure relief valve - internal pressure
■ = Low pressure relief valve - external pressure
Q = Flow control
Internal return
AR = with block configuration MBPS
J* = Pre-arrangement for assembling "Module 3" see F.T 20 1353 Page 397 /00

Consult us for availability

FLAT FRONT BODIES
AAN / AAK


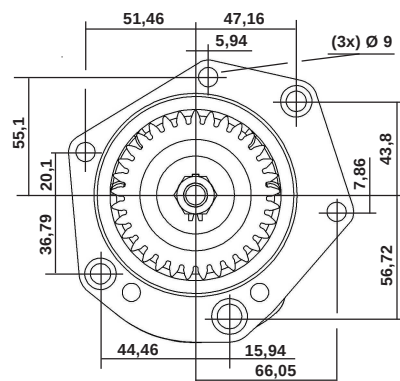
Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
 Thickness: 6

AAN : Series 2 F.T 20 1300
 Series 2,5 F.T 25 1307
AAK : Series 2 F.T 20 1329
 Series 2,5 F.T 25 1334

AFN


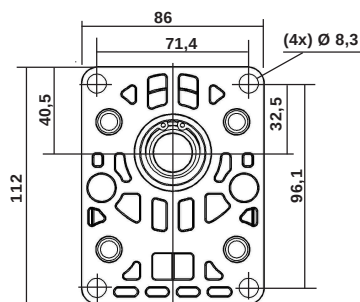
Centering: $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
 Thickness: 6,35

AFN : Series 2 F.T 20 1366
 Series 2,5 F.T 25 1367

APK


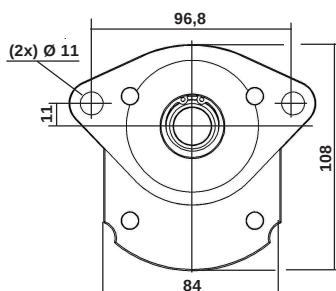
Centering: $\varnothing 95 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$
 Thickness: 10

APK : Series 2 F.T 20 1368
 Series 2,5 F.T 25 1369

BAN


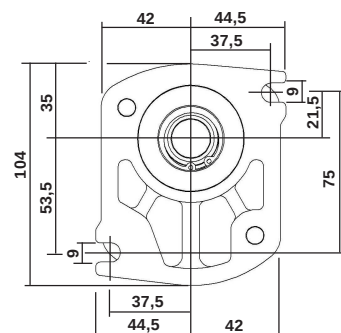
Centering: $\varnothing 36,47 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
 Thickness: 4

BAN : Series 2 F.T 20 1301
 Series 2,5 F.T 25 1308

CAN


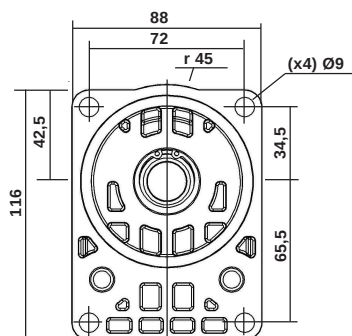
Centering: $\varnothing 63,5 \begin{smallmatrix} -0,030 \\ -0,076 \end{smallmatrix}$
 Thickness: 3,2

CAN : Series 2 F.T 20 1302
 Series 2,5 F.T 25 1309

CEN / CEK


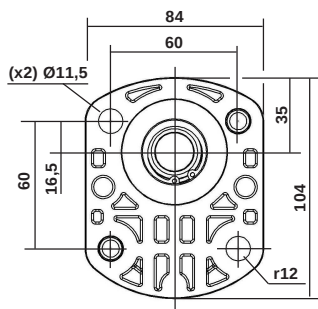
Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
 Thickness: 4

CEN : Series 2 F.T 20 1303
 Series 2,5 F.T 25 1310
CEK : Series 2 F.T 20 1360
 Series 2,5 F.T 25 1361

DBN / DBK


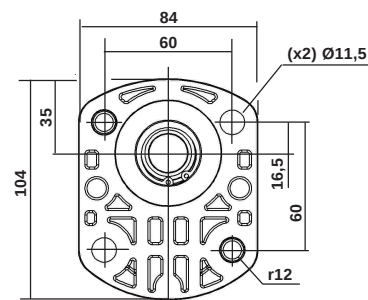
Centering: $\varnothing 80 \begin{smallmatrix} -0,030 \\ -0,060 \end{smallmatrix}$
 Thickness: 8

DBN : Series 2 F.T 20 1304
 Series 2,5 F.T 25 1311
DBK : Series 2 F.T 20 1330
 Series 2,5 F.T 25 1335

DCN / DCK


Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
 Thickness: 6

DCN : Series 2 F.T 20 1305
 Series 2,5 F.T 25 1312
DCK : Series 2 F.T 20 1331
 Series 2,5 F.T 25 1336

DWN


Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
 Thickness: 6

DWN : Series 2 F.T 20 1332
 Series 2,5 F.T 25 1337

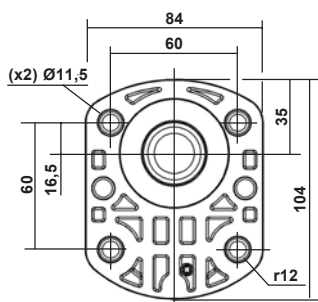
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 5/11

Consult us for availability

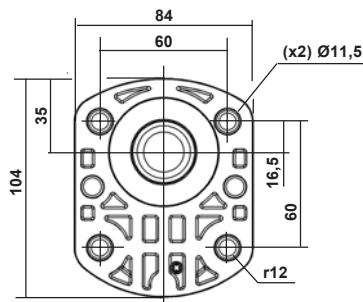
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PUBLISHING 17 / 03 / 2011

FLAT FRONT BODIES
DUK


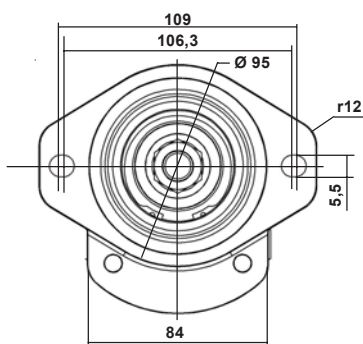
Centering: $\varnothing 52 \begin{smallmatrix} -0,030 \\ -0,060 \end{smallmatrix}$
 Thickness: 6

DUK : Series 2 F.T 20 1333
Series 2,5 F.T 25 1338

DZK


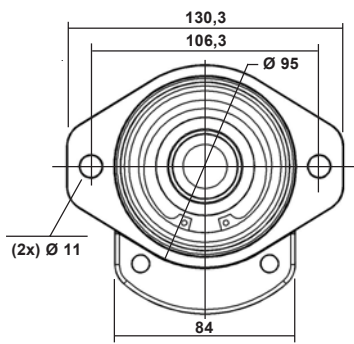
Centering: $\varnothing 52 \begin{smallmatrix} -0,030 \\ -0,060 \end{smallmatrix}$
 Thickness: 6

DZK : Series 2 F.T 20 1362
Series 2,5 F.T 25 1363

THICK FRONT BODIES
AAP / AAR


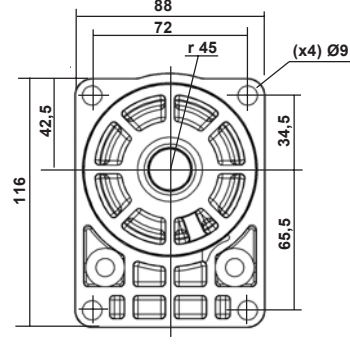
Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
 Thickness: 6

AAP : Series 2 F.T 20 1339
Series 2,5 F.T 25 1340
AAR : Series 2 F.T 20 1341
Series 2,5 F.T 25 1342

ARP / ARK


Centering: $\varnothing 85 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$
 Thickness: 14

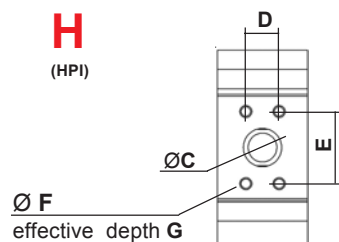
ARP : Series 2 F.T 20 1343
Series 2,5 F.T 25 1344
ARK : Series 2 F.T 20 1345
Series 2,5 F.T 25 1346

DBP / DBR


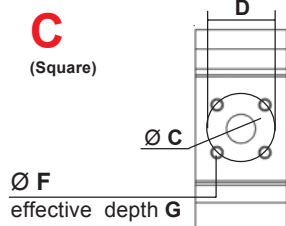
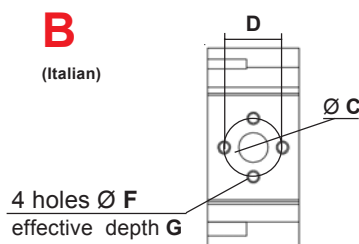
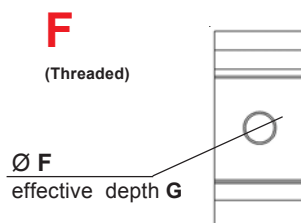
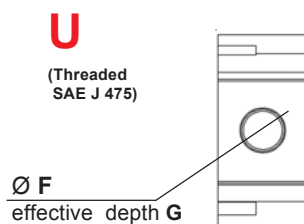
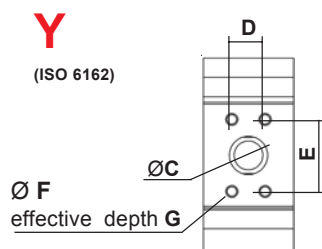
Centering: $\varnothing 80 \begin{smallmatrix} -0,03 \\ -0,06 \end{smallmatrix}$
 Thickness: 8

DBP : Series 2 F.T 20 1347
Series 2,5 F.T 25 1348
DBR : Series 2 F.T 20 1349
Series 2,5 F.T 25 1350

Dimensions readings and approximative characteristics subject to modifications.

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)


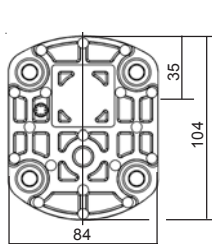
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504026	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030 2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030 2512 to 2522											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030 2512 to 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2030 2512 to 2522				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022 2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030 2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022 2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030 2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2012 2512 to 2522	Only with rear body Type A										Consult us for availability	

C
(Square)

B
(Italian)

F
(Threated)

U
(Threated
SAE J 475)

Y
(ISO 6162)

X
(without ports)


REAR BODIES

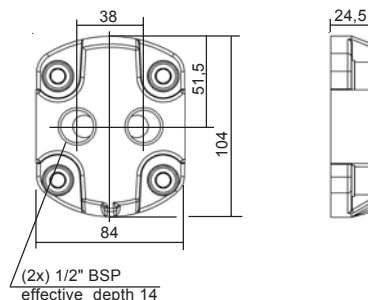
L

Standard



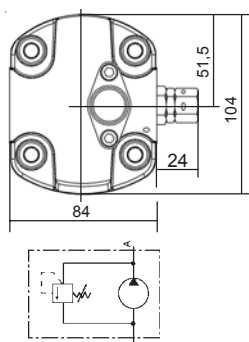
A

with ports



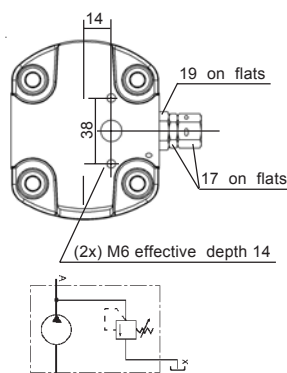
X

High pressure relief valve
(Adjustable) Internal return



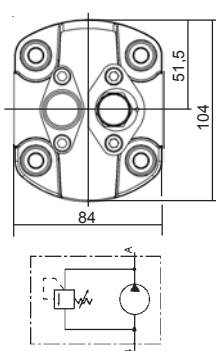
T

High pressure relief valve
(Adjustable) External return



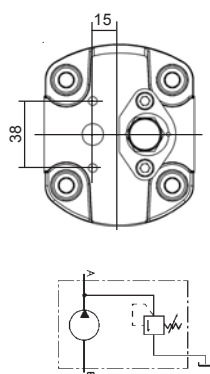
V

Low Pressure relief valve
(Adjustable) Internal return



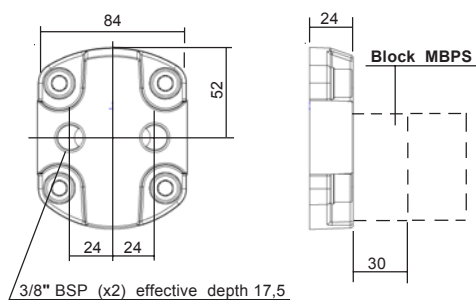
W

Low Pressure relief valve
(Adjustable) External return



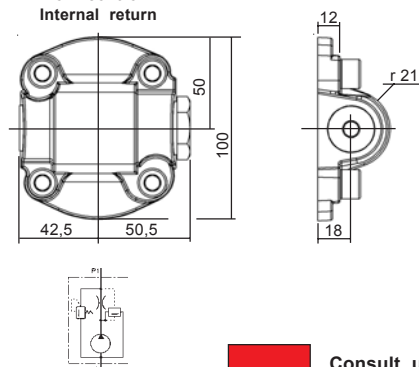
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 8/11

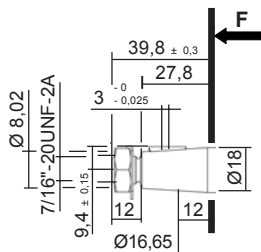
Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B02 Cône 1 / 8

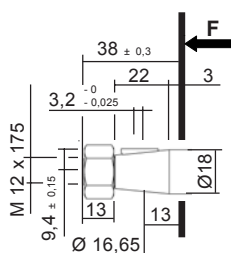


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

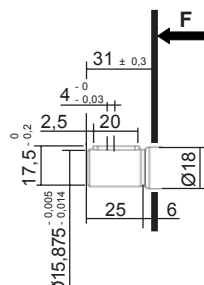
Maxi transmissible torque

220 N.m

Straight keyed

20

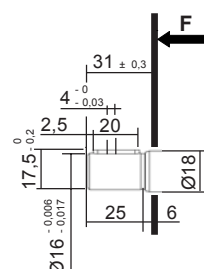
A01



Maxi transmissible torque

50 N.m

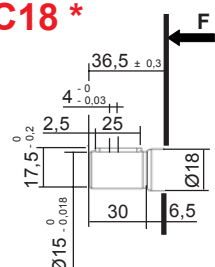
C02



Maxi transmissible torque

50 N.m

C18 *

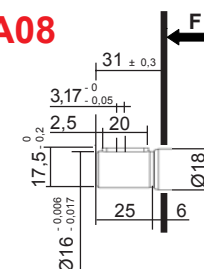


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



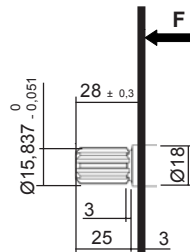
Maxi transmissible torque

50 N.m

Splined

30

A01

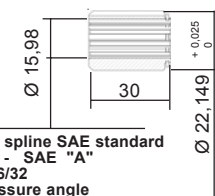


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

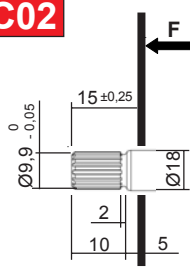
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

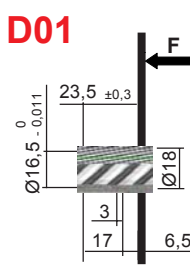


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

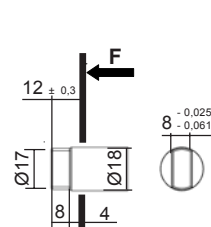
Maxi transmissible torque

100 N.m

Tang

40

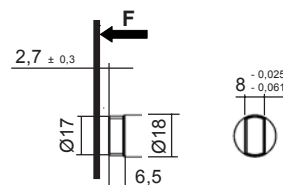
C03



Maxi transmissible torque

70 N.m

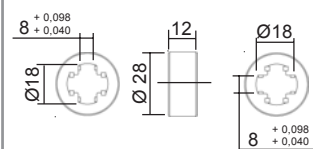
D02



Max tightening torque

70 N.m

Coupling on request:
Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 9/11

Consult us for availability

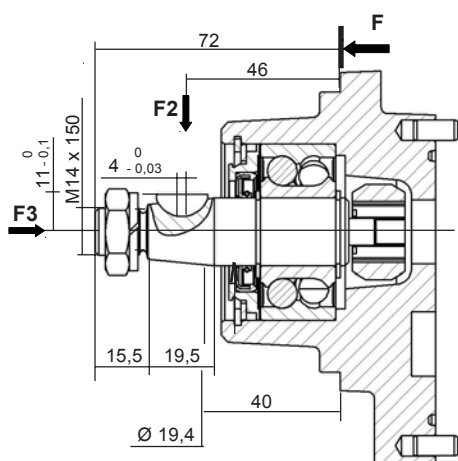
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

AAP / AAR

C03 Taper 1 / 5



F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque

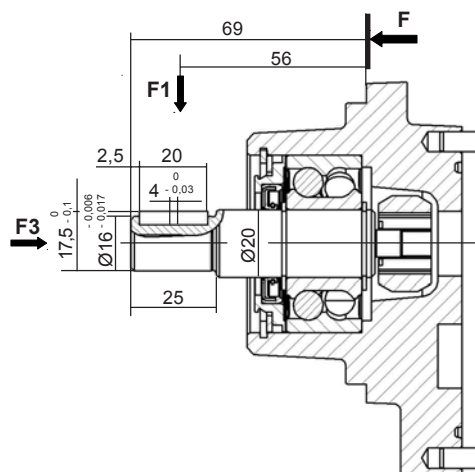
50 N.m

Straight keyed

20

AAP / AAR

C03



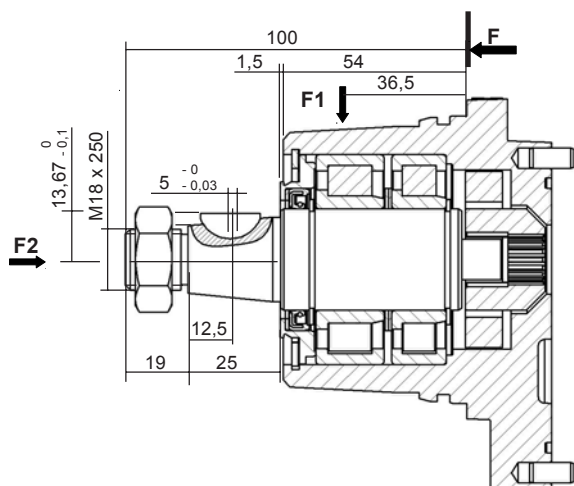
F1 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

ARP / ARK

C05 Taper 1 / 5



Delivered with nut: K106295

F1 Maxi: 350 daN
F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 10/11

Consult us for availability

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[main dimensions](#)

PUBLISHING 17 / 03 / 2011

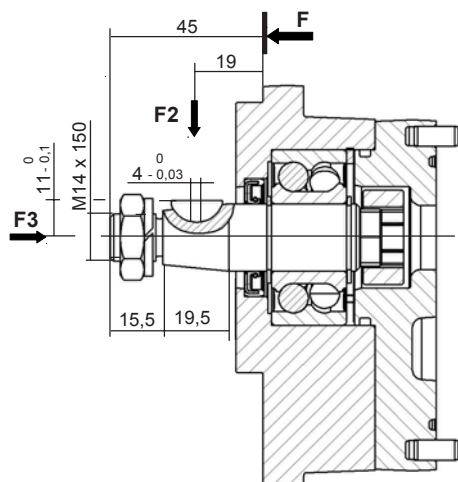
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

DBP / DBR

C07 Taper 1 / 5



Delivered with Nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

Maxi transmissible torque

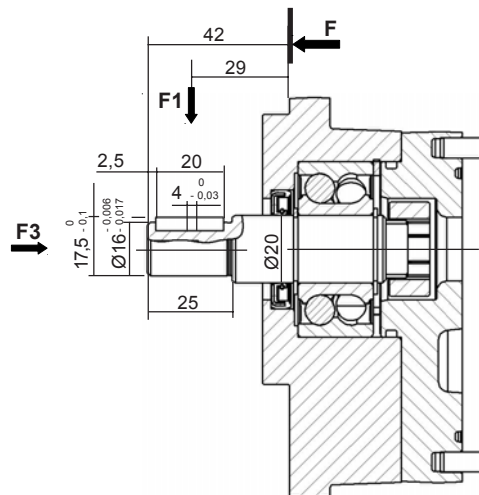
50 N.m

Straight keyed

20

DBP / DBR

C15



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1299 11/11

Consult us for availability

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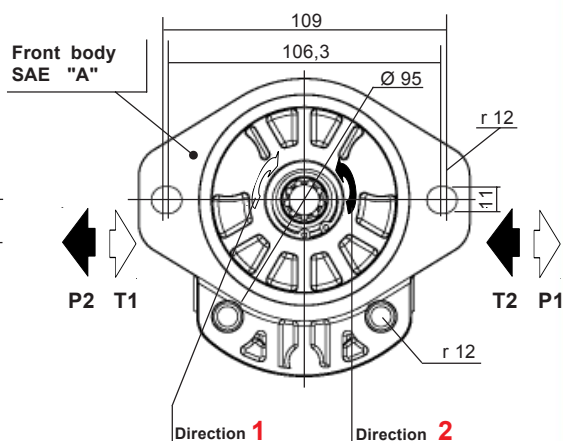
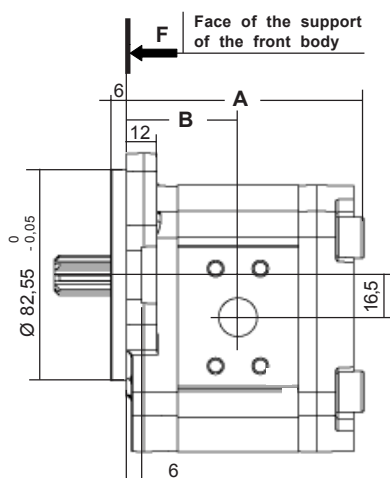
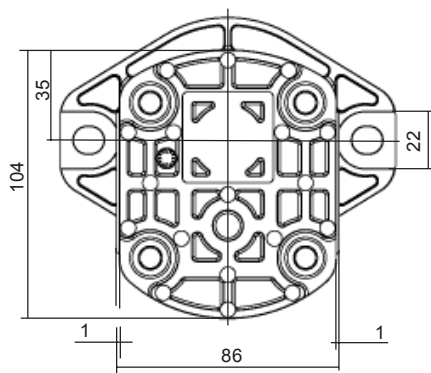
[next](#)

[main dimensions](#)

PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069810

Viton: K5069820

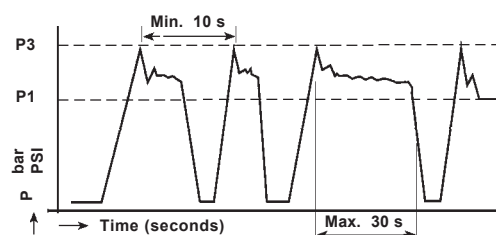
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

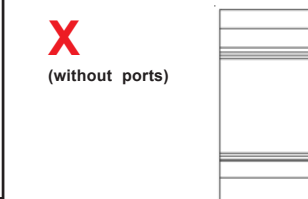
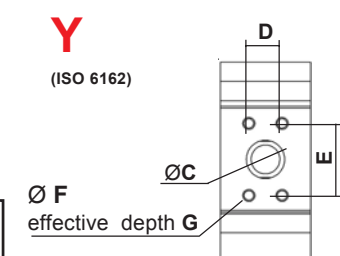
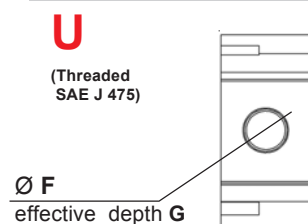
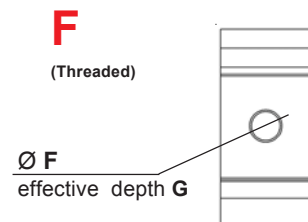
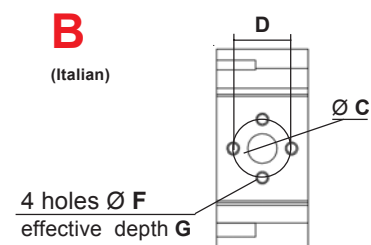
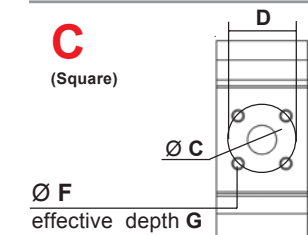
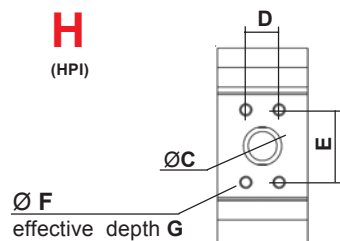
P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T) 1 / 2 " BSP N: 2.500055 V: 2.504126	OUTLET (P) 3 / 8 " BSP N: 2.500054 V: 2.505994
	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2014 to 2030	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
	23,5	40		M8	13	15	30		M6	13	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
				1" BSP	18				1/2" BSP	14		
2014 to 2022				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

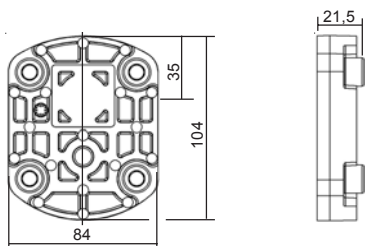
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1300 2/4

REAR BODIES

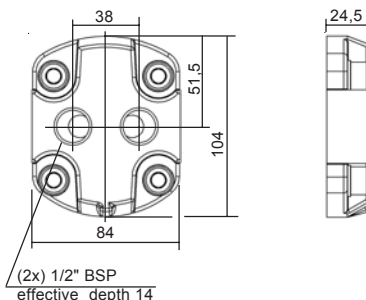
L

Standard



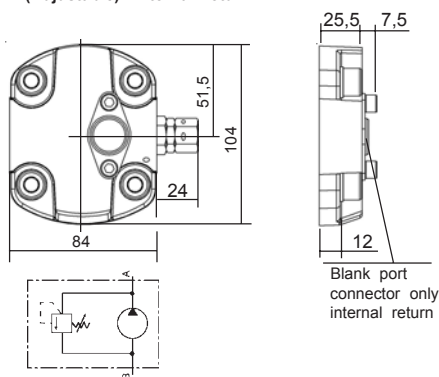
A

with ports



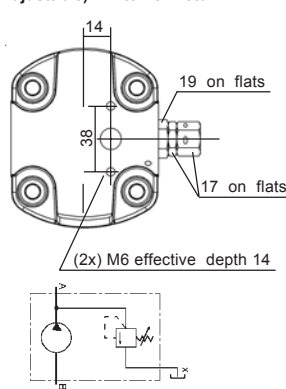
X

High pressure relief valve
(Adjustable) Internal return



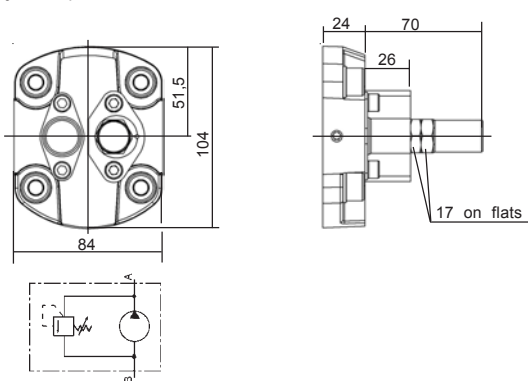
T

High pressure relief valve
(Adjustable) External return



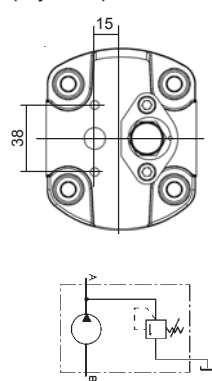
V

Low Pressure relief valve
(Adjustable) Internal return



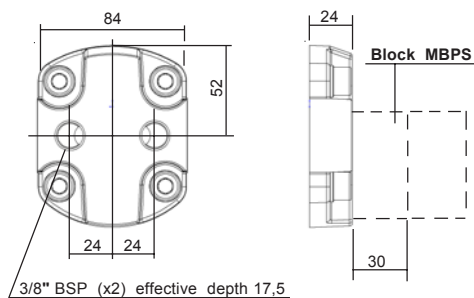
W

Low Pressure relief valve
(Adjustable) External return



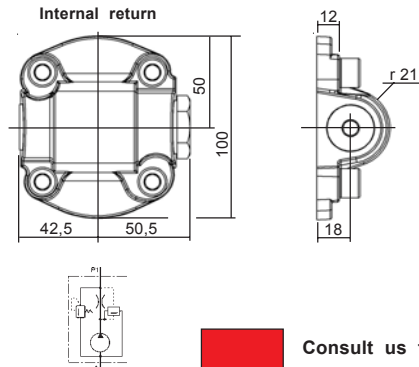
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1300 3/4

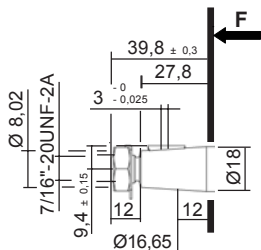
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

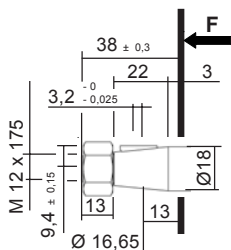


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

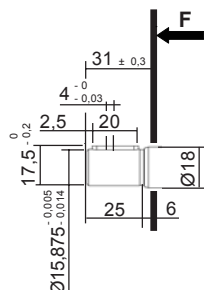
Maxi transmissible torque

220 N.m

Straight keyed

20

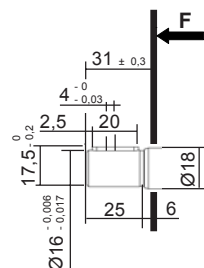
A01



Maxi transmissible torque

50 N.m

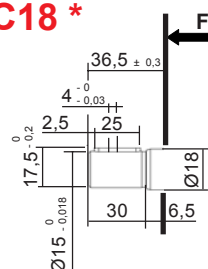
C02



Maxi transmissible torque

50 N.m

C18 *

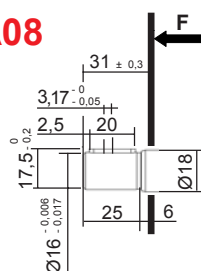


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



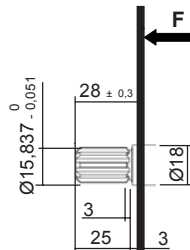
Maxi transmissible torque

50 N.m

Splined

30

A01



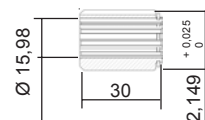
Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310

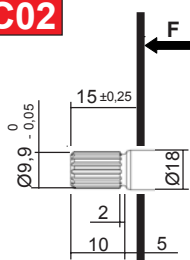
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

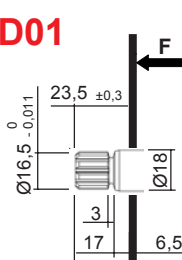


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

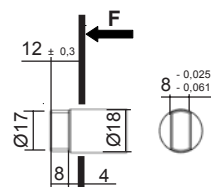
Maxi transmissible torque

100 N.m

Tang

40

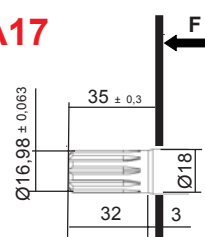
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

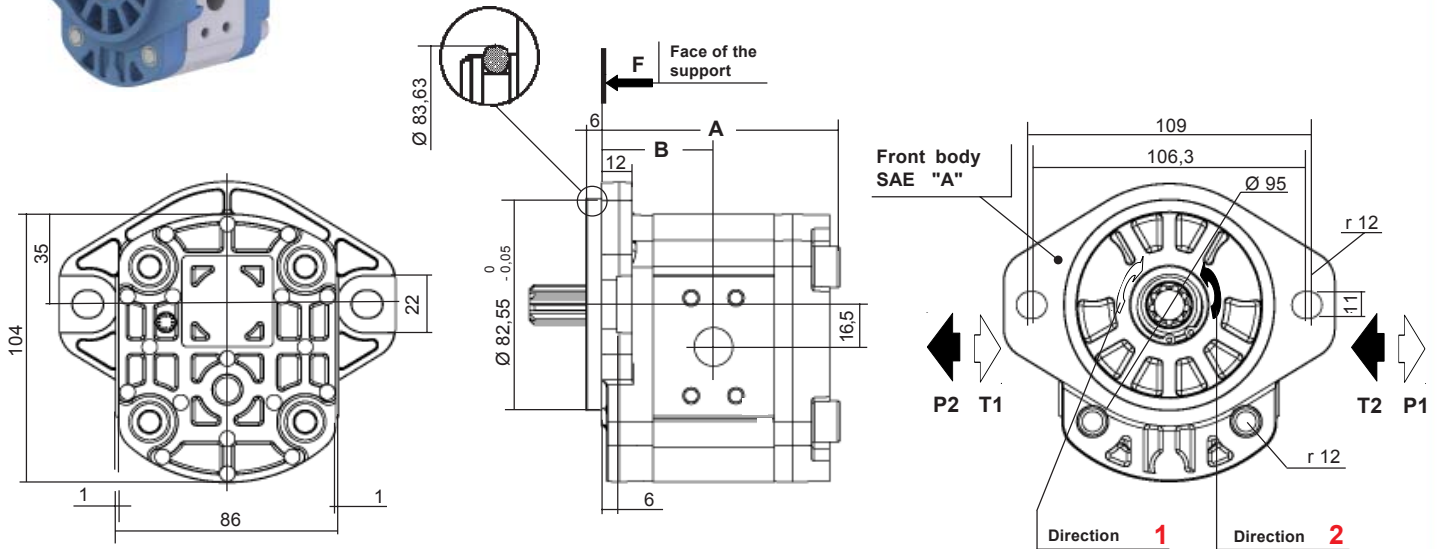
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1300 4/4

Consult us for availability



For Codification, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	92,5	43,5
015 - 017 018 - 022	107	51
026 - 030	123	59

Multiples geared pumps,
see data sheet **F.T 20 1306**

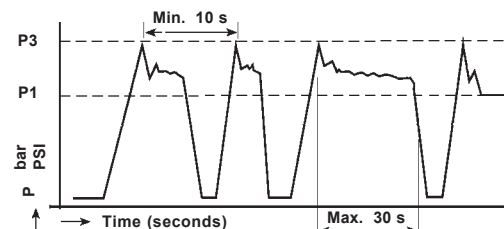
Seal kits:
Nitrile: **K5069810 + K102901**
Viton: **K5069820 + K104093**
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

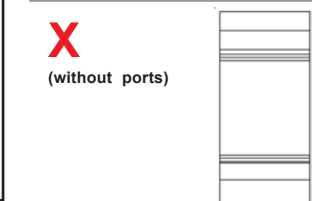
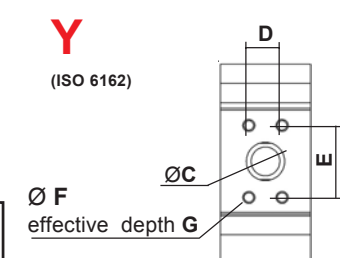
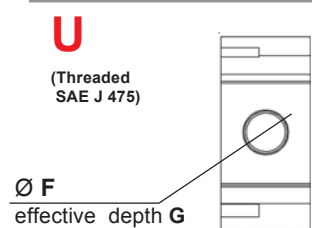
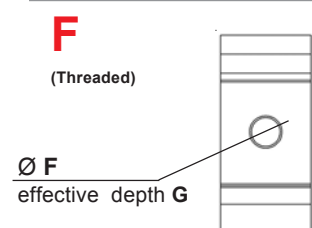
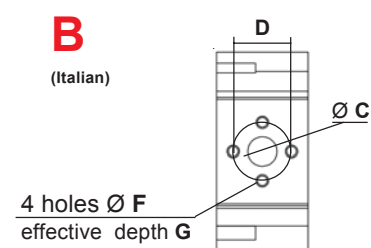
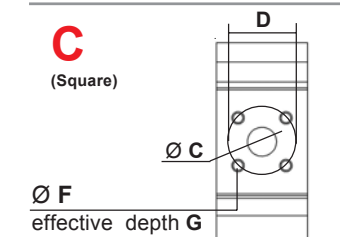
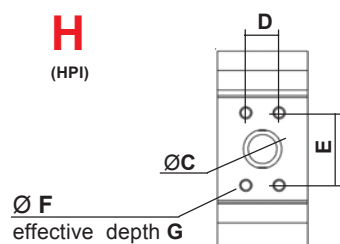
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

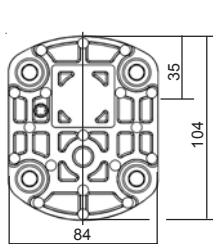
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T)	OUTLET (P)
											1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
											1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13		
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

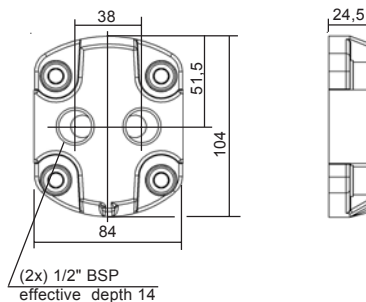
L

Standard



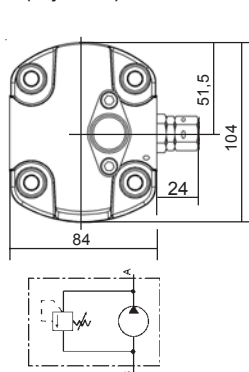
A

with ports



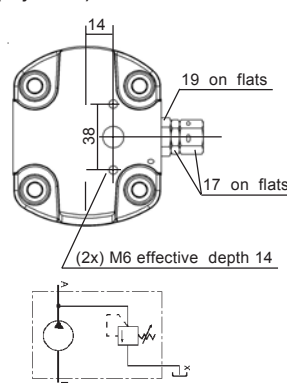
X

High pressure relief valve
(Adjustable) Internal return



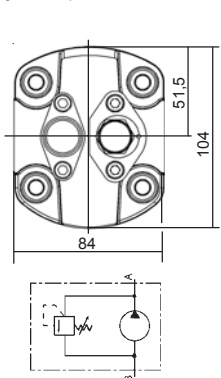
T

High pressure relief valve
(Adjustable) External return



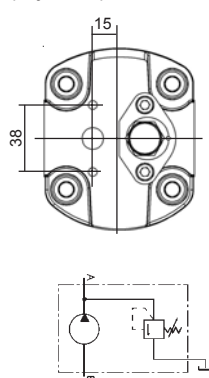
V

Low Pressure relief valve
(Adjustable) Internal return



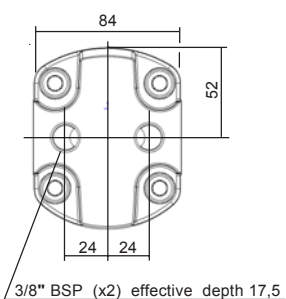
W

Low Pressure relief valve
(Adjustable) External return



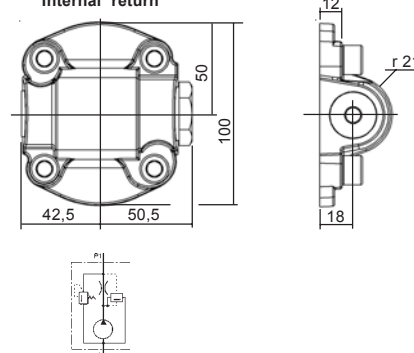
AR

with block configuration MBPS



Q

Flow control
Internal return



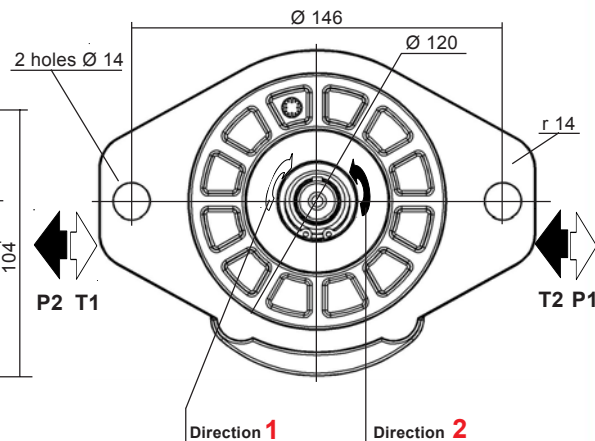
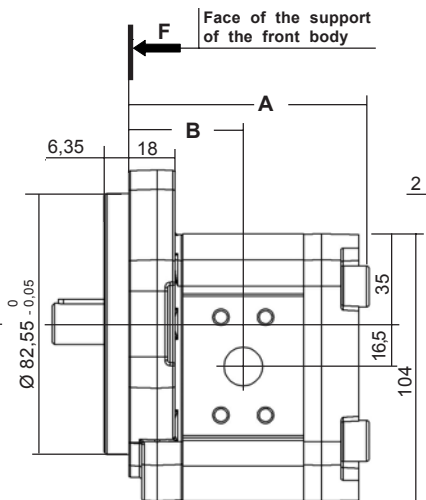
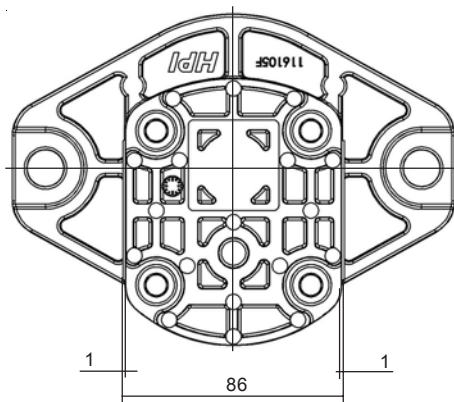
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1329 3/4

Consult us for availability

P **II** **AF** **N** **2** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	93,5	44,5
014 - 015 - 017 018 - 022	108	52
026 - 030	124	60

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

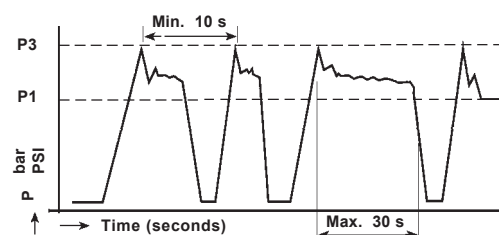
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

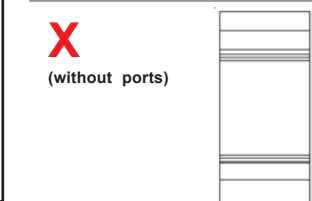
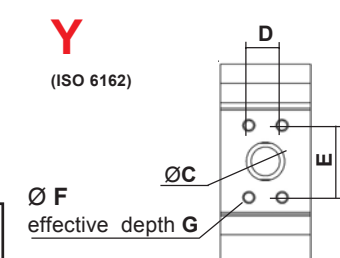
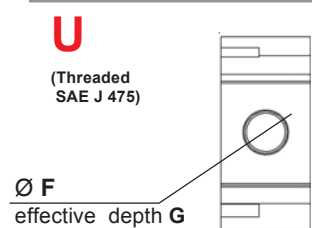
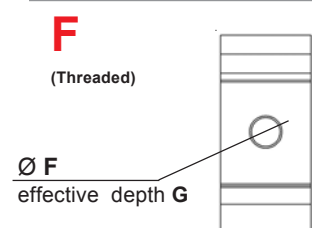
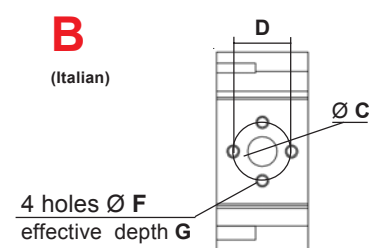
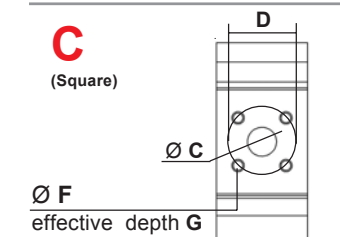
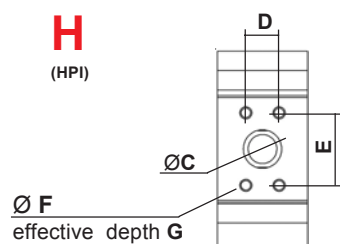
contents

previous

next

main dimensions

PUBLISHING 02 / 04 / 2013

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T) 1 / 2 " BSP N: 2.500055 V: 2.504126	OUTLET (P) 3 / 8 " BSP N: 2.500054 V: 2.505994
	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2014 to 2030	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
	23,5	40		M8	13	15	30		M6	13	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
				1" BSP	18				1/2" BSP	14		
2014 to 2022				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

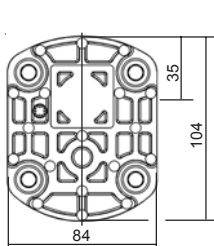
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1366 2/4

REAR BODIES

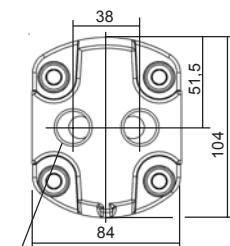
L

Standard



A

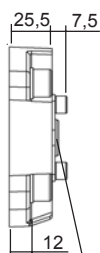
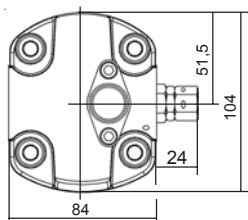
with ports



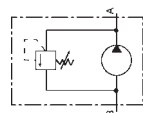
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

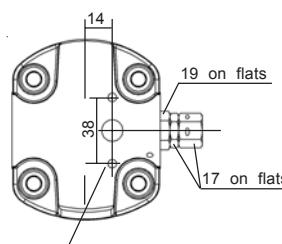


Blank port
connector only
internal return

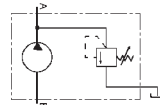


T

High pressure relief valve
(Adjustable) External return

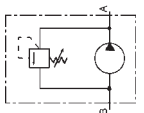
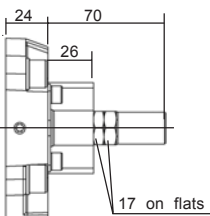
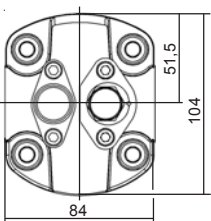


(2x) M6 effective depth 14



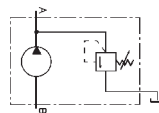
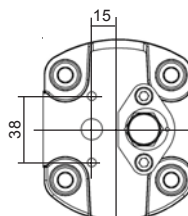
V

Low Pressure relief valve
(Adjustable) Internal return



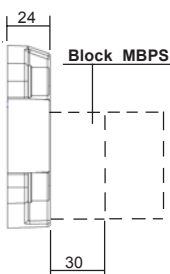
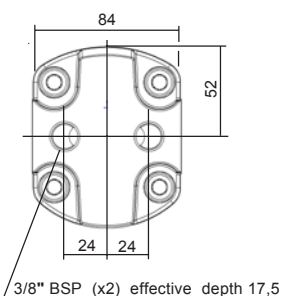
W

Low Pressure relief valve
(Adjustable) External return



AR

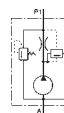
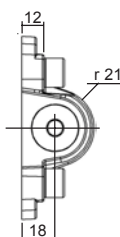
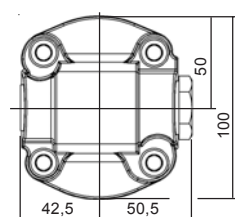
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1366 3/4

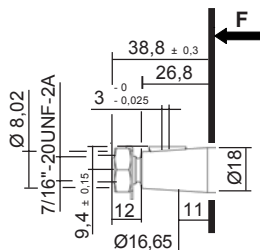
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

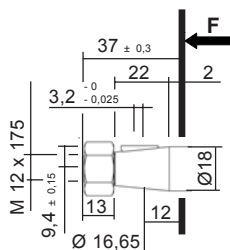


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

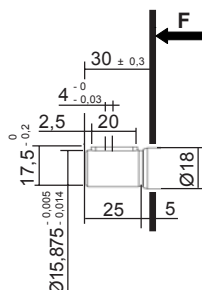
Maxi transmissible torque

220 N.m

Straight keyed

20

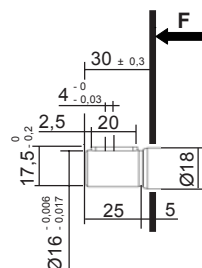
A01



Maxi transmissible torque

50 N.m

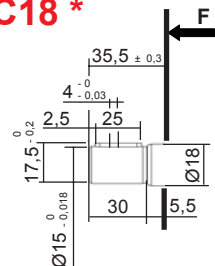
C02



Maxi transmissible torque

50 N.m

C18 *

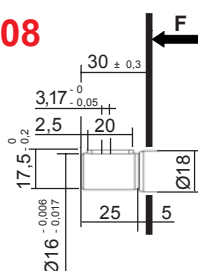


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



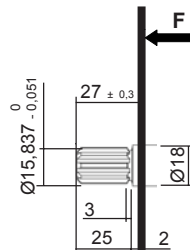
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

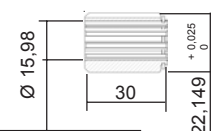
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: K.5041310

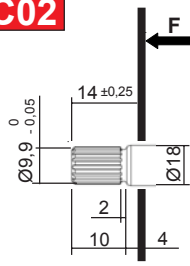
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

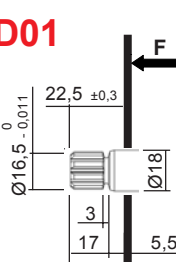


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

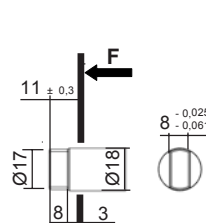
Maxi transmissible torque

100 N.m

Tang

40

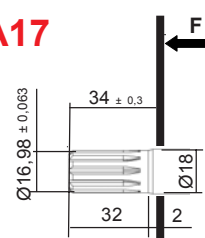
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

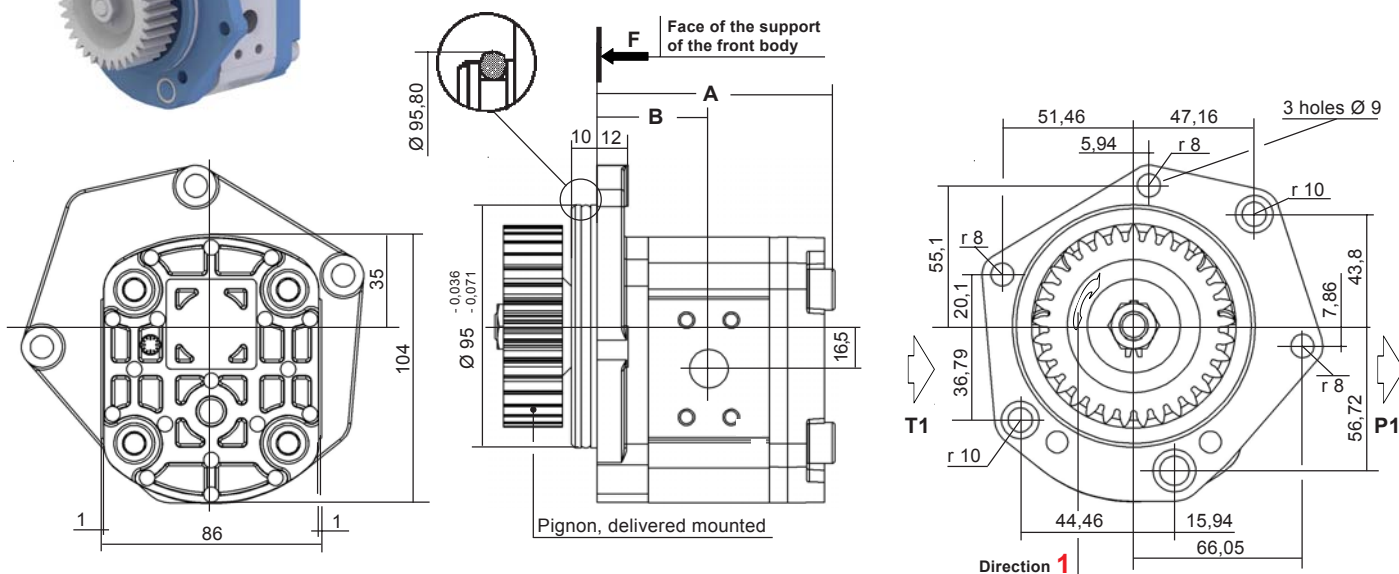
F.T 20 1366 4/4

Consult us for availability



P 1 **APK 2** **VI** **Sign** **H L P** **P100 *** **XI** **Sign**

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the PIGNONS

	Type 1000	Type 1100
Nb teeth:	28	33
Module:	2,54	2,17
Pressure angle:	20°	17°
Angle of the helix:	14°8'	14°
Way of the helix:	left	left

CHOICE of the Capacity

Dimensions	A	B
004 - 006 - 008 010 - 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810 + X368928**
Vitons: **K5069820**
(For the manufacturings
from January 1984)

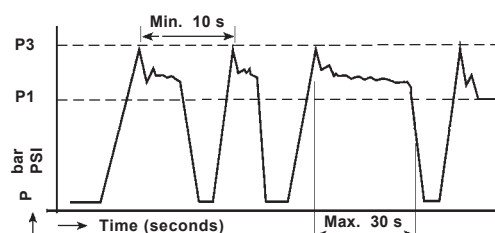
Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

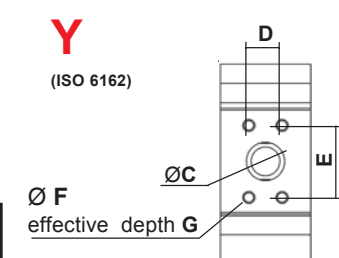
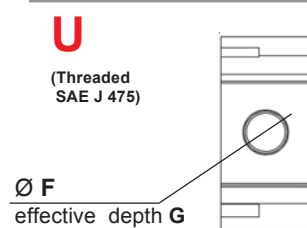
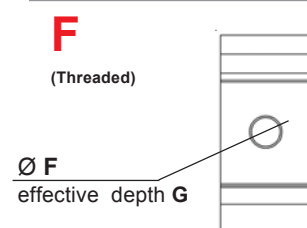
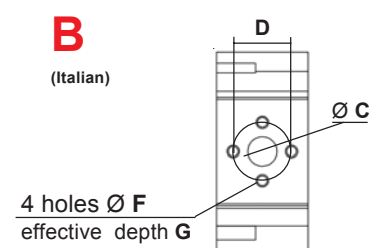
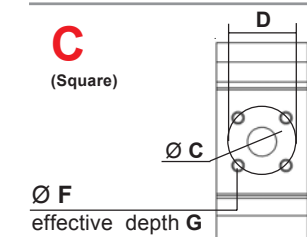
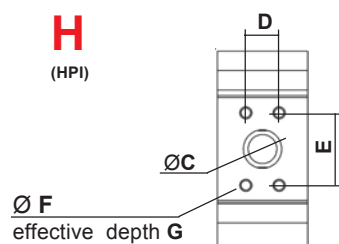
contents

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next

main dimensions

PUBLISHING 02 / 04 / 2013

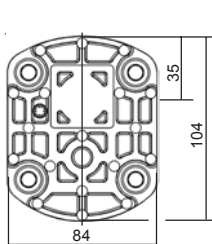
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2004 to 2012												
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012											1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

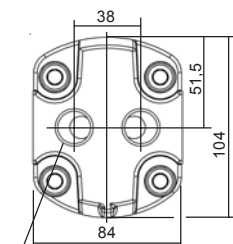
L

Standard



A

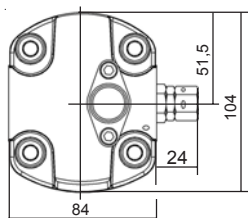
with ports



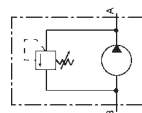
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

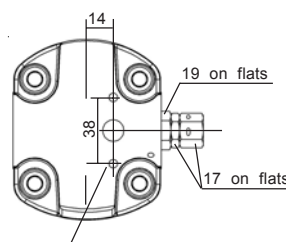


Blank port
connector only
internal return

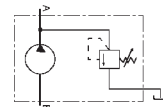


T

High pressure relief valve
(Adjustable) External return

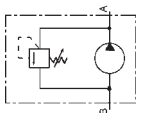
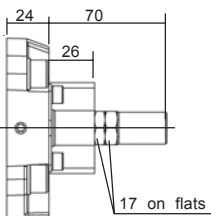
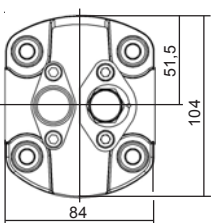


(2x) M6 effective depth 14



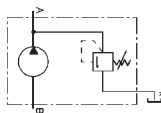
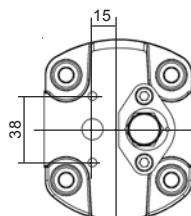
V

Low Pressure relief valve
(Adjustable) Internal return



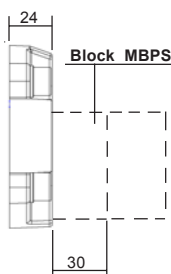
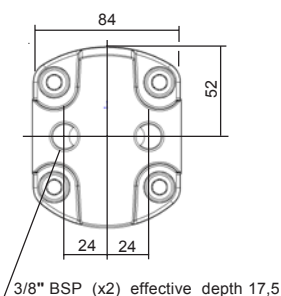
W

Low Pressure relief valve
(Adjustable) External return



AR

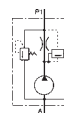
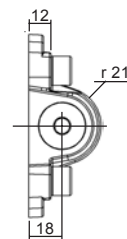
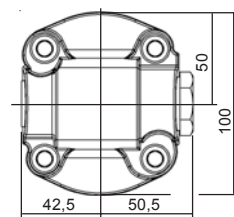
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1368 3/4

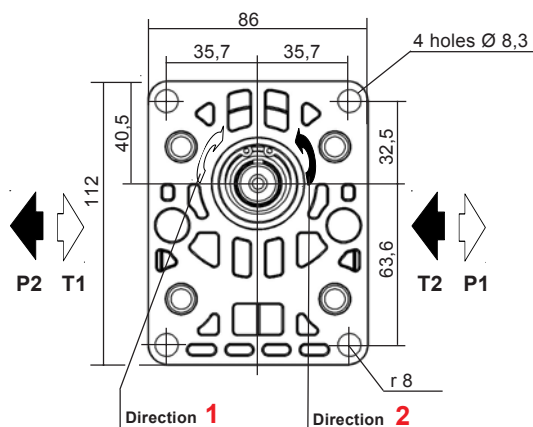
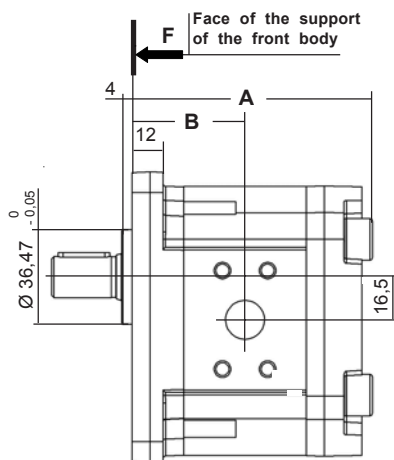
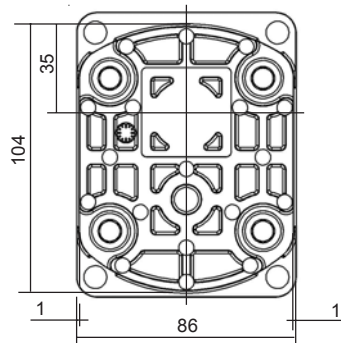
DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
10	20	30	40
B02 Taper 1 / 8			

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1368 4/4

 Consult us for availability



P II Sign BAN 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0011

CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Multiples geared pumps, see data sheet F.T 20 1306

Seal kits:

Nitrile: K5069810

Viton: K5069820

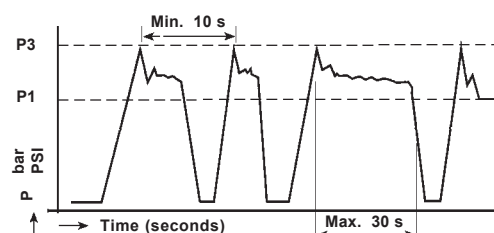
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

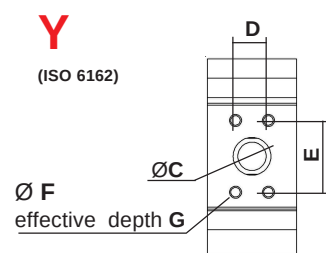
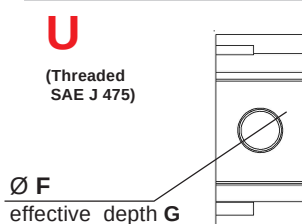
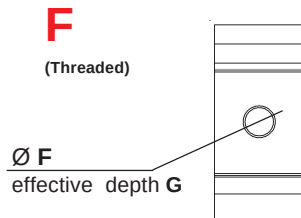
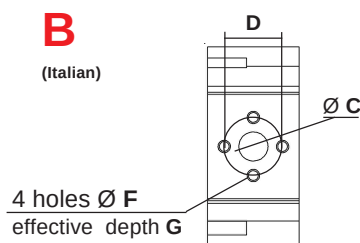
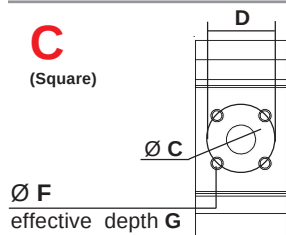
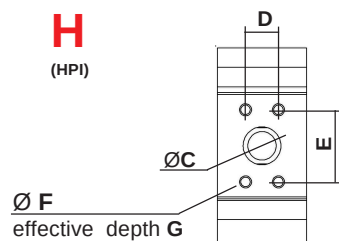
contents

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main dimensions

PUBLISHING 02 / 04 / 2013

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.504994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

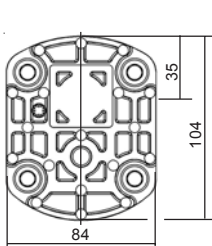
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1301 2/4

REAR BODIES

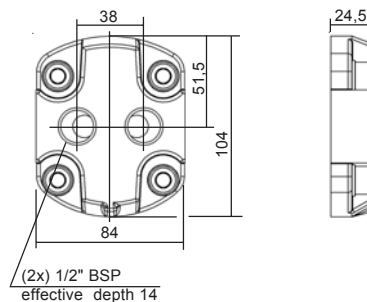
L

Standard



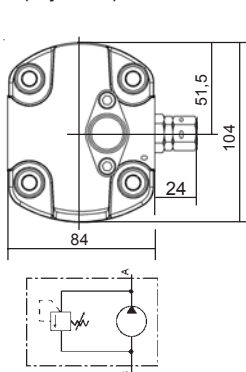
A

with ports



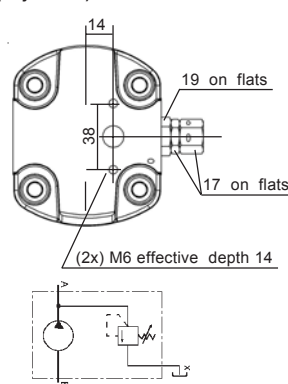
X

High pressure relief valve
(Adjustable) Internal return



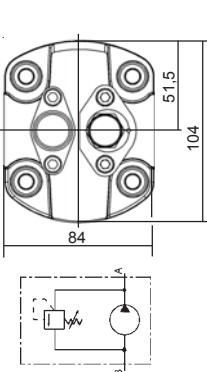
T

High pressure relief valve
(Adjustable) External return



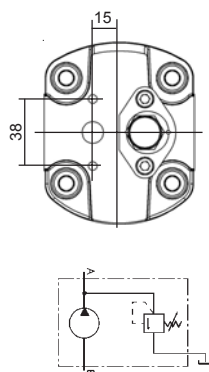
V

Low Pressure relief valve
(Adjustable) Internal return



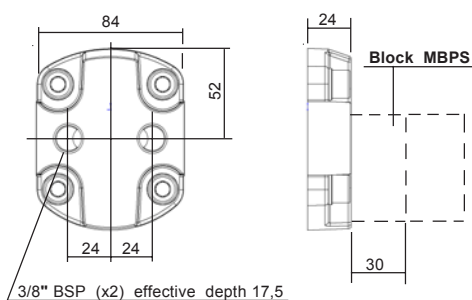
W

Low Pressure relief valve
(Adjustable) External return



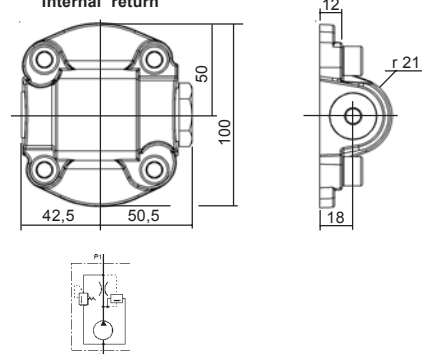
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1301 3/4

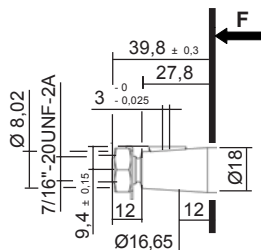
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

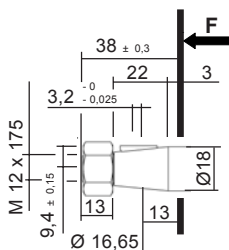


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

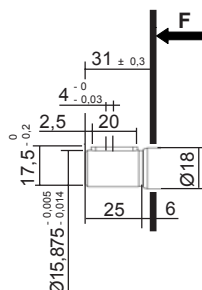
Maxi transmissible torque

220 N.m

Straight keyed

20

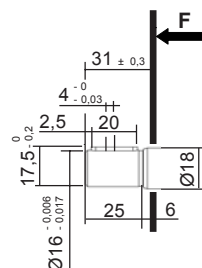
A01



Maxi transmissible torque

50 N.m

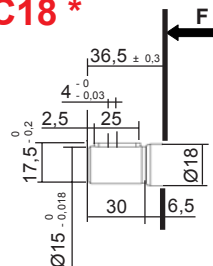
C02



Maxi transmissible torque

50 N.m

C18 *

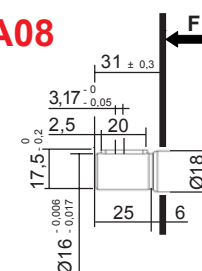


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



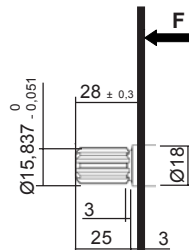
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

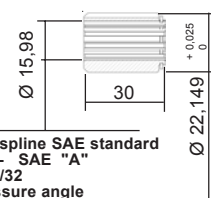
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

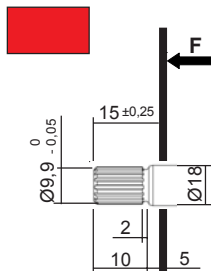
Ref.: K.5041310

Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

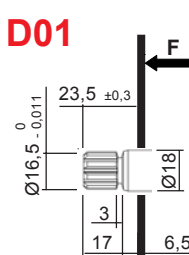


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

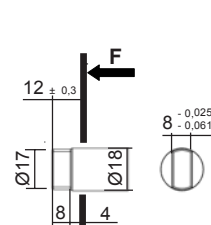
Maxi transmissible torque

100 N.m

Tang

40

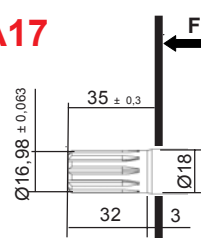
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

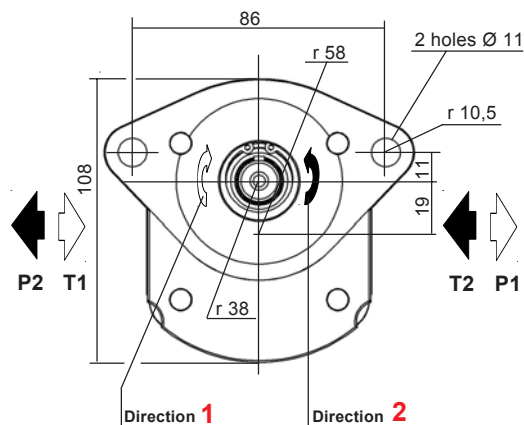
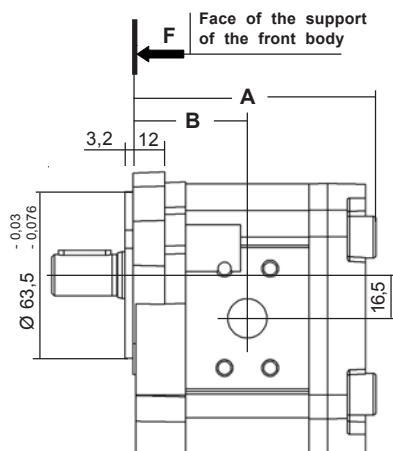
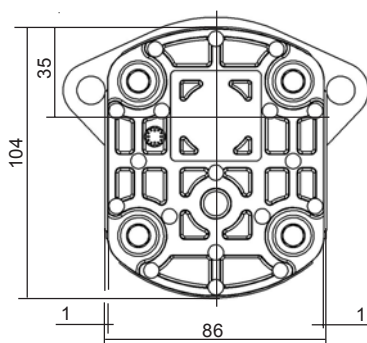
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1301 4/4

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

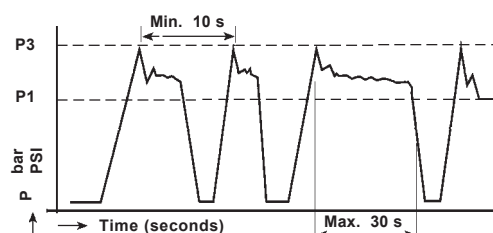
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

[home](#)

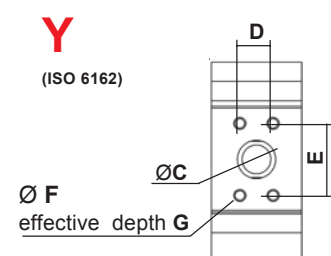
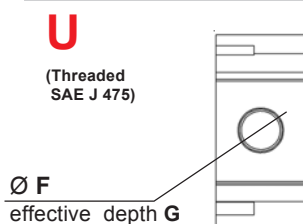
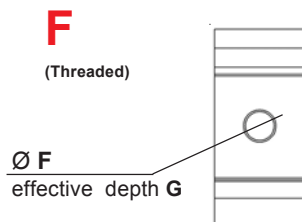
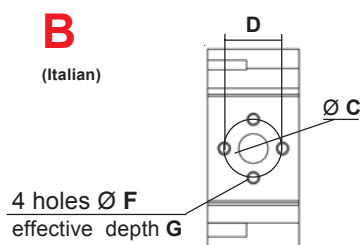
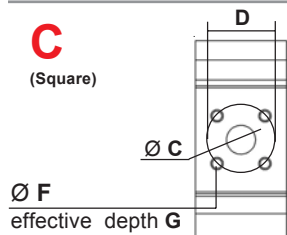
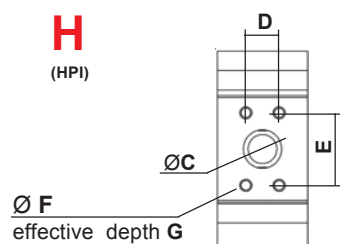
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[main dimensions](#)

PUBLISHING 02 / 04 / 2013

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

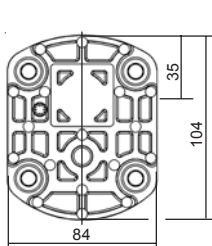
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1302 2/4

REAR BODIES

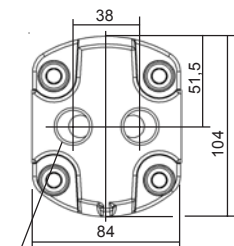
L

Standard



A

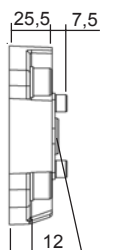
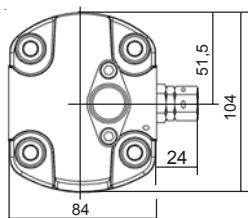
with ports



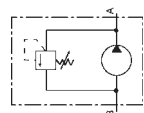
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

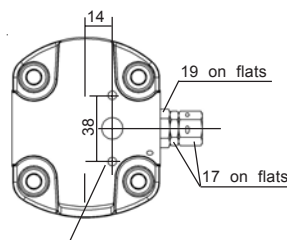


Blank port
connector only
internal return

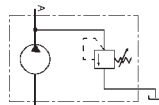


T

High pressure relief valve
(Adjustable) External return

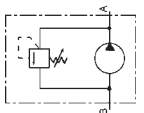
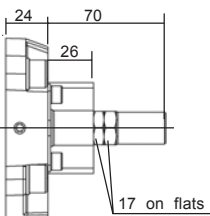
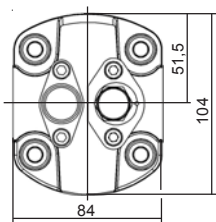


(2x) M6 effective depth 14



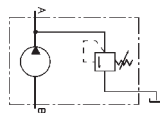
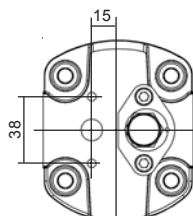
V

Low Pressure relief valve
(Adjustable) Internal return



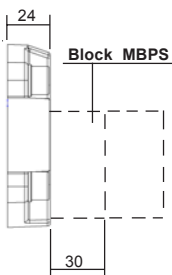
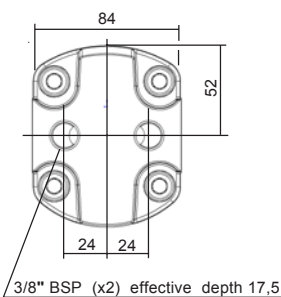
W

Low Pressure relief valve
(Adjustable) External return



AR

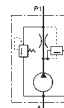
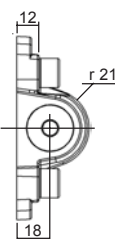
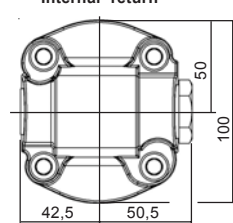
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1302 3/4

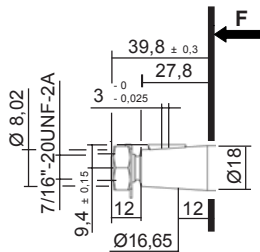
Consult us for availability

DRIVING SHAFTS

Tapered

10

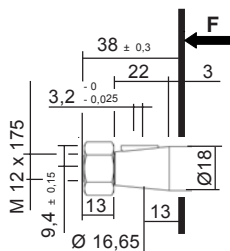
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5



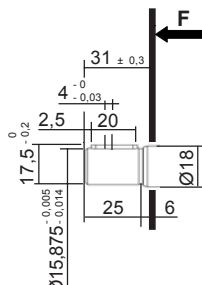
Delivered with nut: K106317

Maxi transmissible torque
220 N.m

Straight keyed

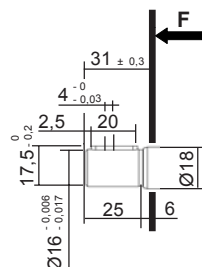
20

A01



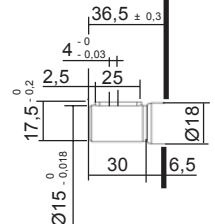
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

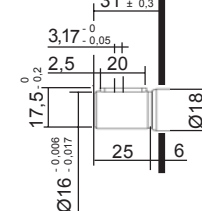
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

A08

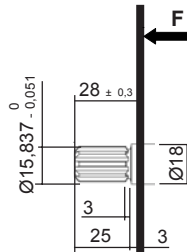


Maxi transmissible torque
50 N.m

Splined

30

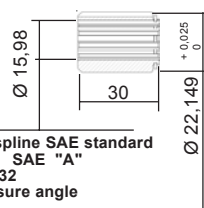
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

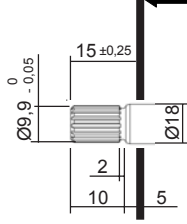
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

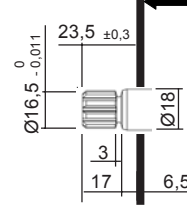
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01



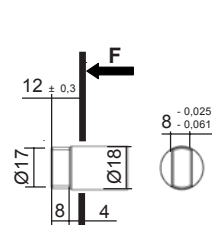
Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

Tang

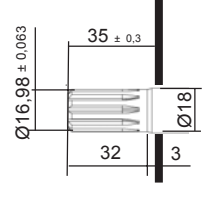
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

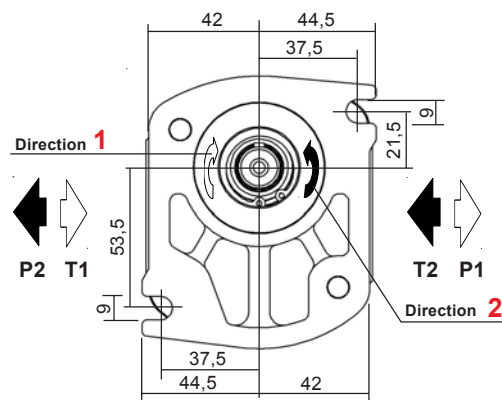
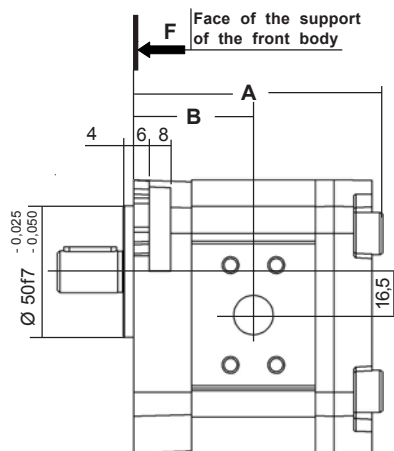
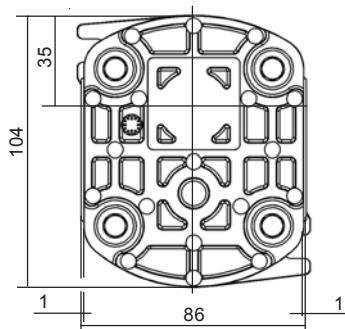
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1302 4/4

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	93,5	44,5
014 - 015 - 017 018 - 022	108	52
026 - 030	124	60

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

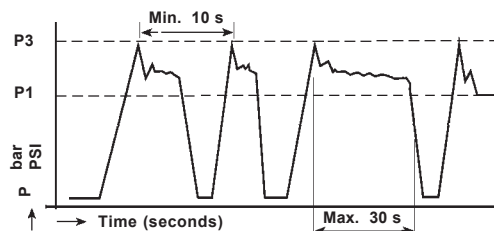
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

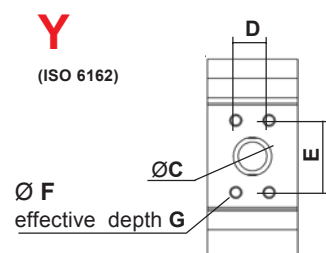
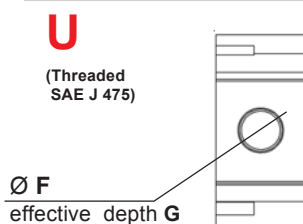
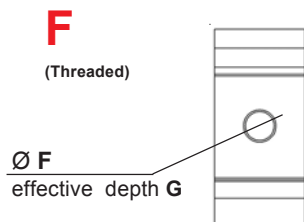
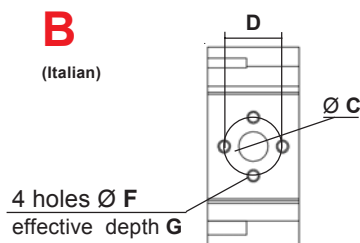
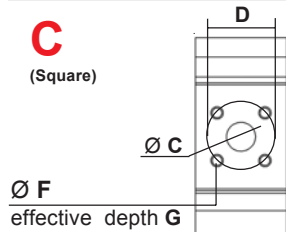
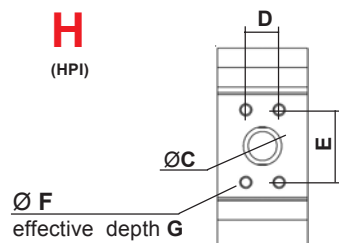
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
											Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

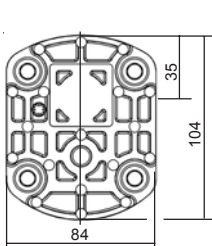
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

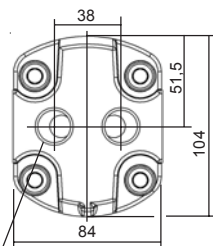
L

Standard



A

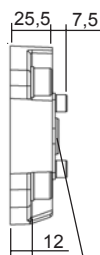
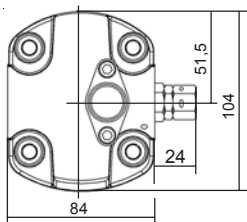
with ports



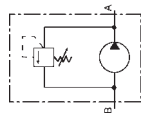
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

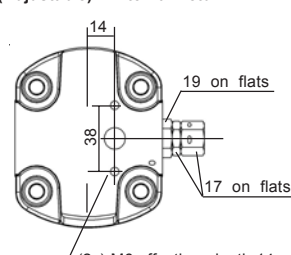


Blank port
connector only
internal return

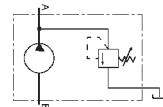


T

High pressure relief valve
(Adjustable) External return

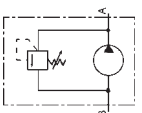
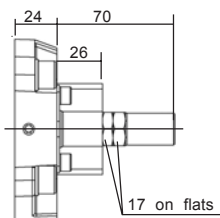
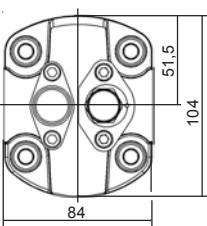


(2x) M6 effective depth 14



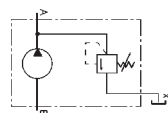
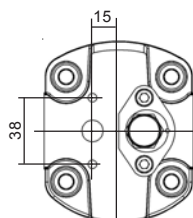
V

Low Pressure relief valve
(Adjustable) Internal return



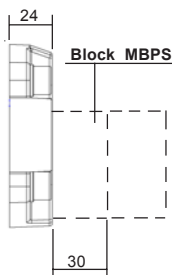
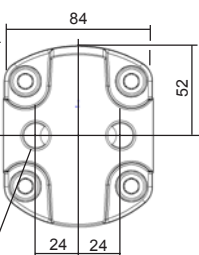
W

Low Pressure relief valve
(Adjustable) External return



AR

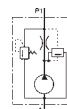
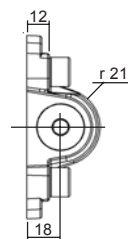
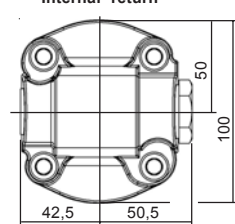
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

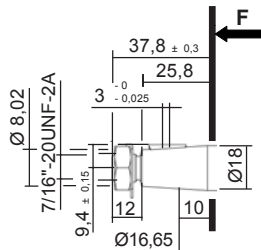
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DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

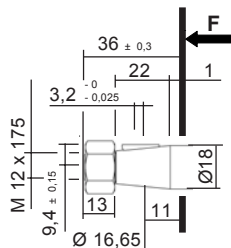


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

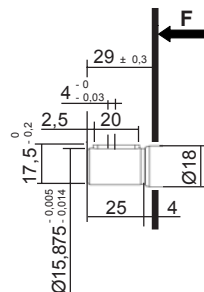
Maxi transmissible torque

220 N.m

Straight keyed

20

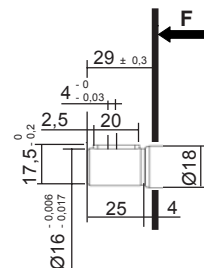
A01



Maxi transmissible torque

50 N.m

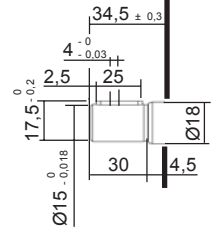
C02



Maxi transmissible torque

50 N.m

C18 *

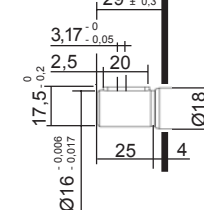


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



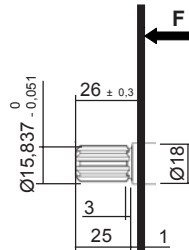
Maxi transmissible torque

50 N.m

Splined

30

A01

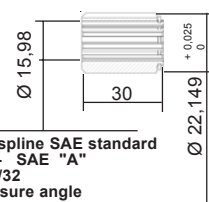


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

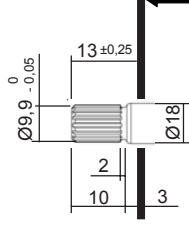
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

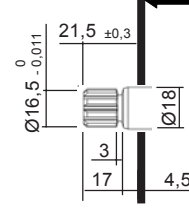


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

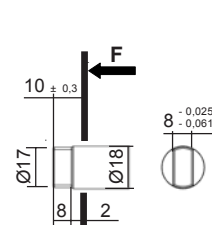
Maxi transmissible torque

100 N.m

Tang

40

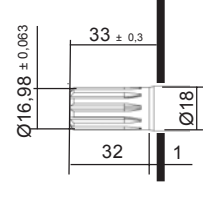
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

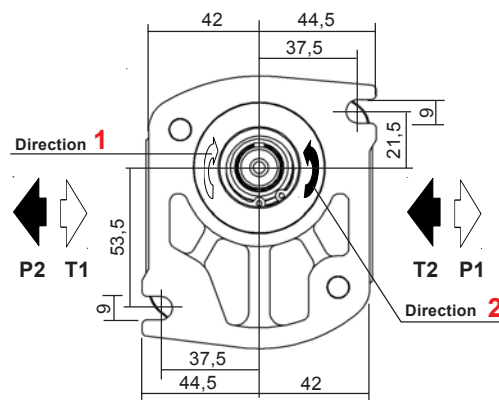
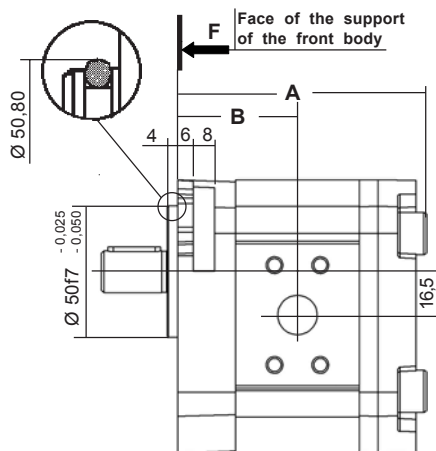
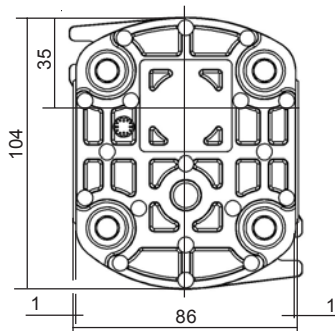
Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	93,5	44,5
014 - 015 - 017 018 - 022	108	52
026 - 030	124	60

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810 + K102238**

Viton: **K5069820**

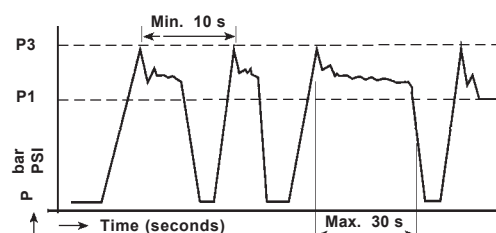
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

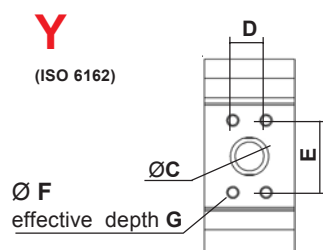
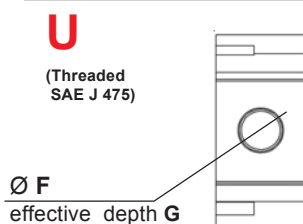
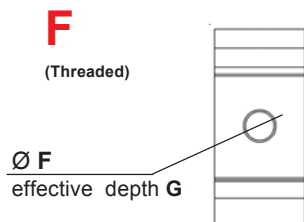
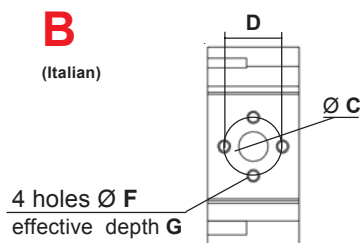
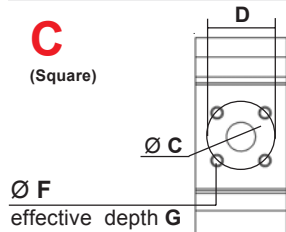
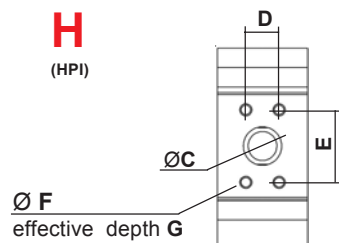
contents

previous

next

main dimensions

PUBLISHING 02 / 04 / 2013

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

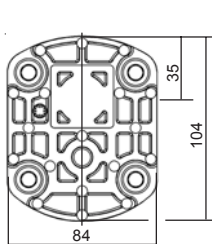
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

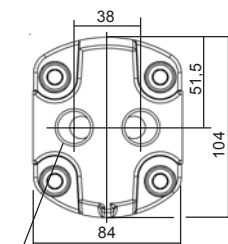
L

Standard



A

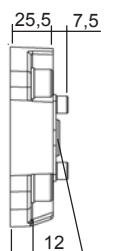
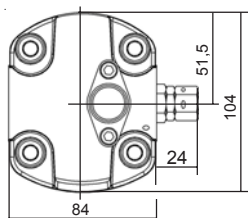
with ports



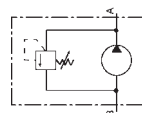
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

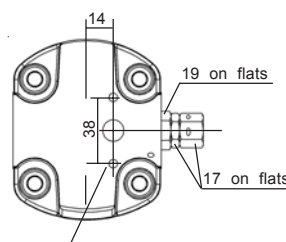


Blank port
connector only
internal return

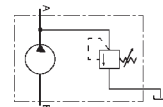


T

High pressure relief valve
(Adjustable) External return

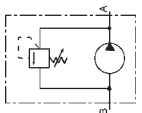
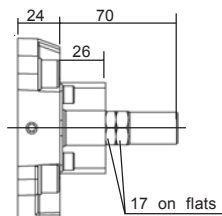
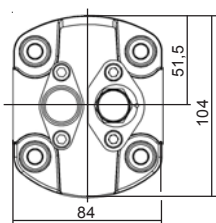


(2x) M6 effective depth 14



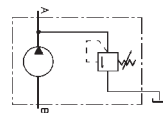
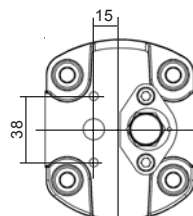
V

Low Pressure relief valve
(Adjustable) Internal return



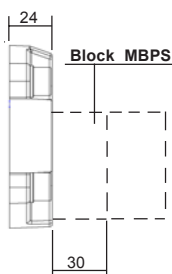
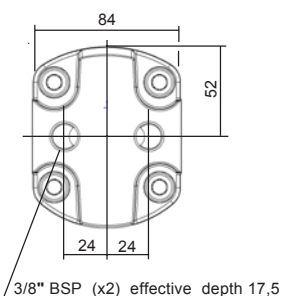
W

Low Pressure relief valve
(Adjustable) External return



AR

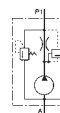
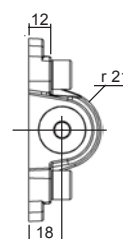
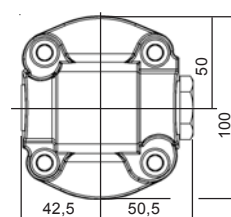
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

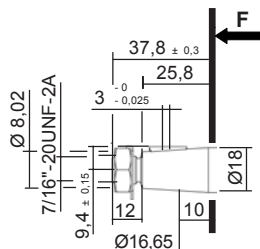
F.T 20 1303 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

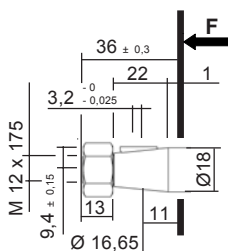


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

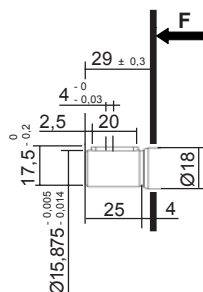
Maxi transmissible torque

220 N.m

Straight keyed

20

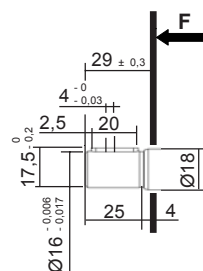
A01



Maxi transmissible torque

50 N.m

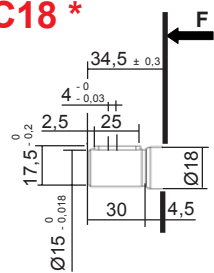
C02



Maxi transmissible torque

50 N.m

C18 *

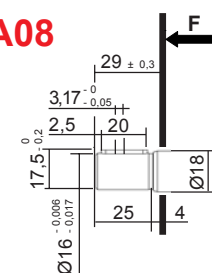


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



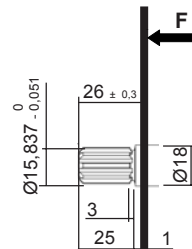
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

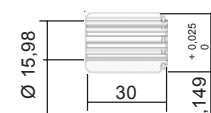
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: **K.5041310**

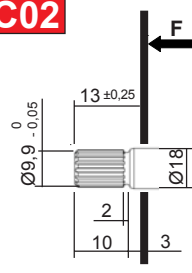
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

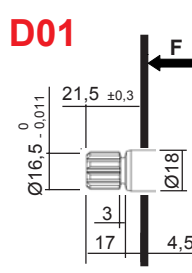


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

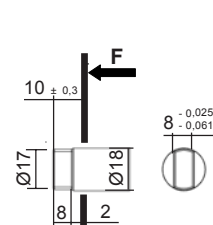
Maxi transmissible torque

100 N.m

Tang

40

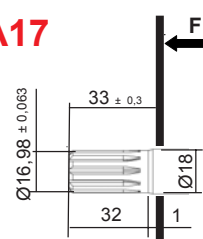
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

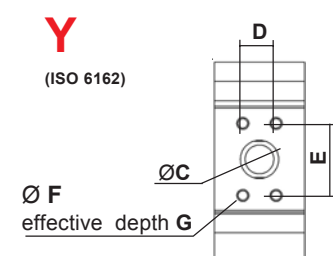
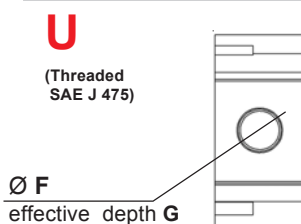
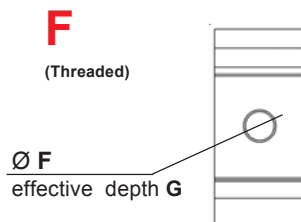
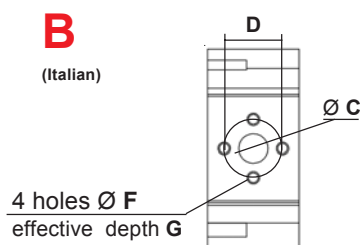
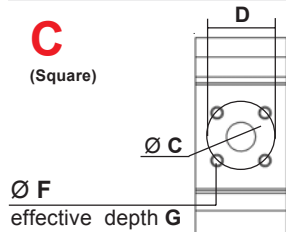
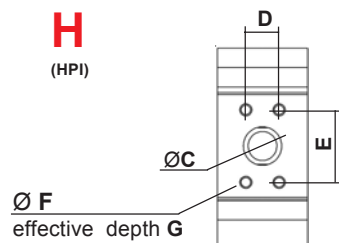
Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1303 4/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										 Consult us for availability	

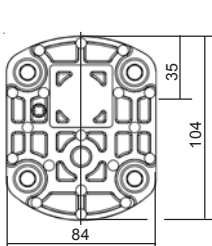
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1304 2/4

REAR BODIES

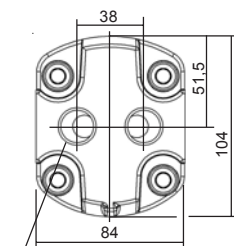
L

Standard



A

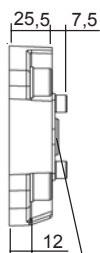
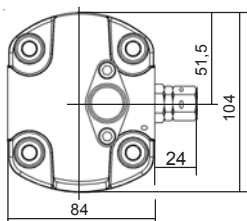
with ports



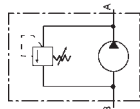
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

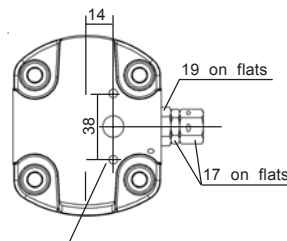


Blank port
connector only
internal return

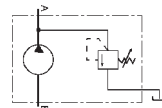


T

High pressure relief valve
(Adjustable) External return

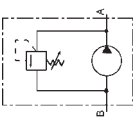
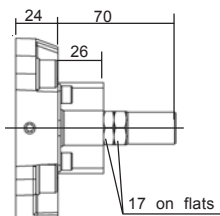
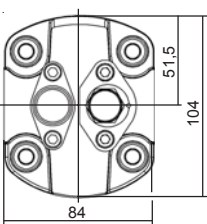


(2x) M6 effective depth 14



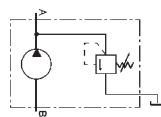
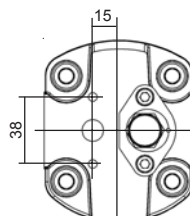
V

Low Pressure relief valve
(Adjustable) Internal return



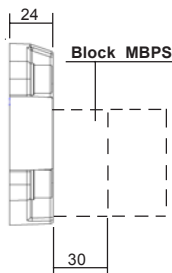
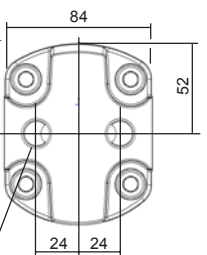
W

Low Pressure relief valve
(Adjustable) External return



AR

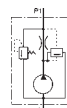
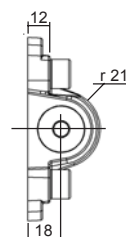
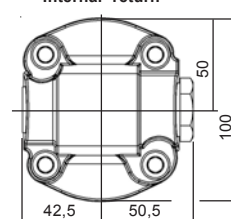
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

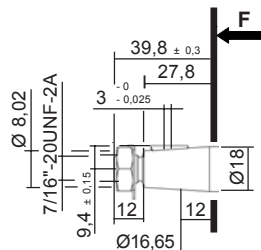
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DRIVING SHAFTS

Tapered

10

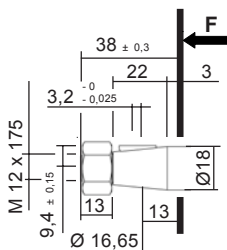
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5



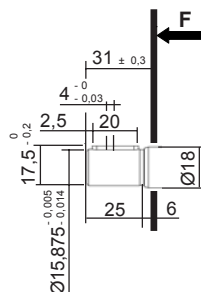
Delivered with nut: K106317

Maxi transmissible torque
220 N.m

Straight keyed

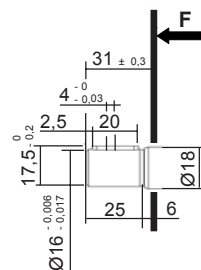
20

A01



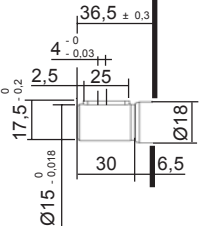
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

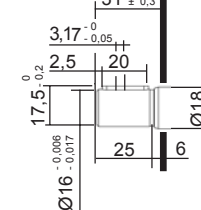
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

A08

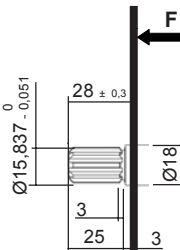


Maxi transmissible torque
50 N.m

Splined

30

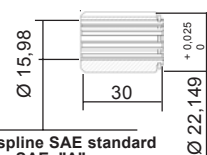
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

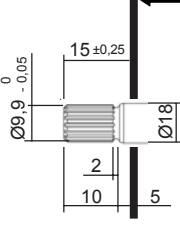
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

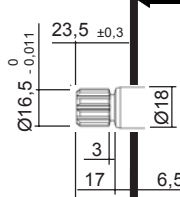
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01



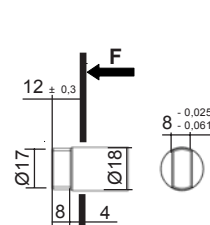
Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

Tang

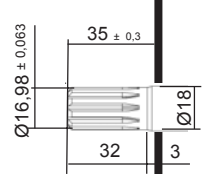
40

C03



Maxi transmissible torque
70 N.m

A17



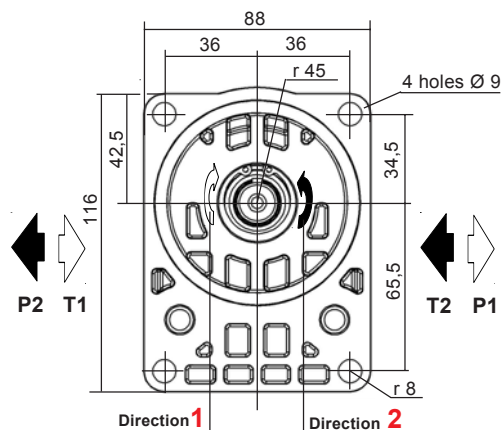
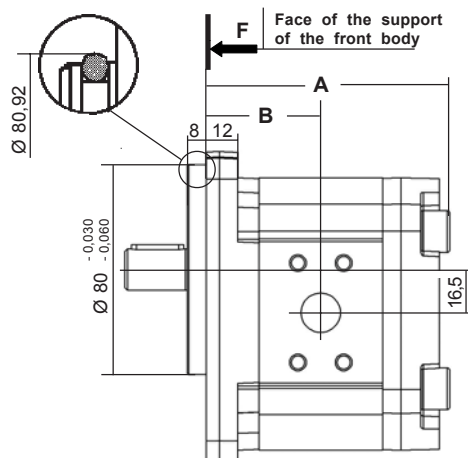
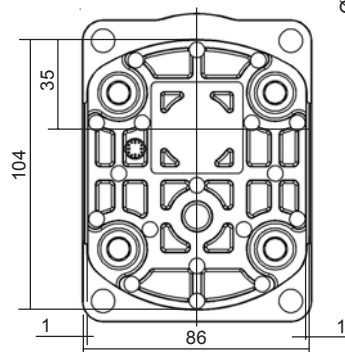
Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1304 4/4

Consult us for availability



CHOICE of the Capacity	Dimensions	
	A	B

004 - 006 - 008 010 - 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810 + K101517**

Viton: **K5069820 + K104406**

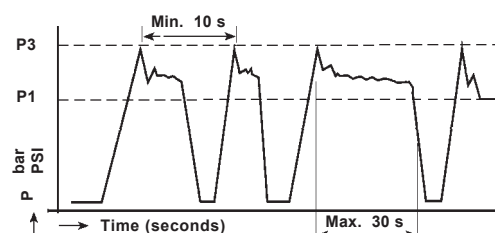
(For the manufacturings from January 1984)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

[home](#)

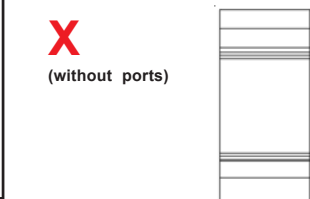
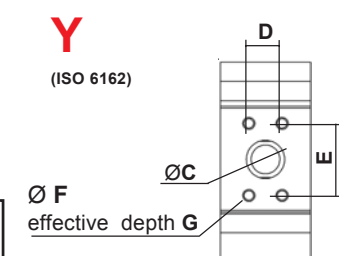
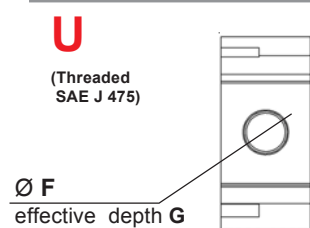
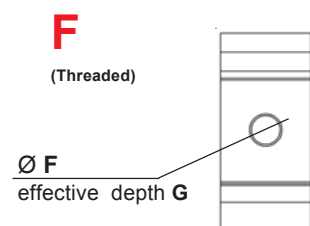
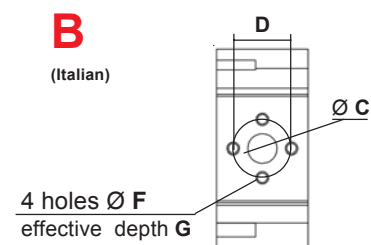
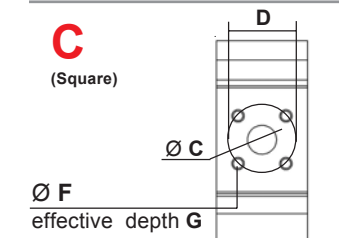
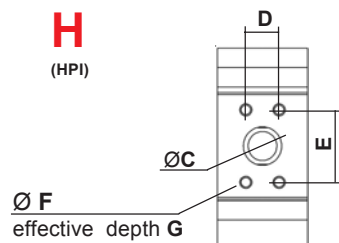
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[main dimensions](#)

PUBLISHING 02 / 04 / 2013

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

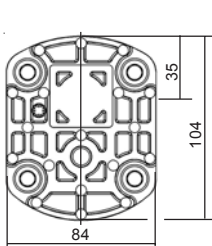
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1330 2/4

REAR BODIES

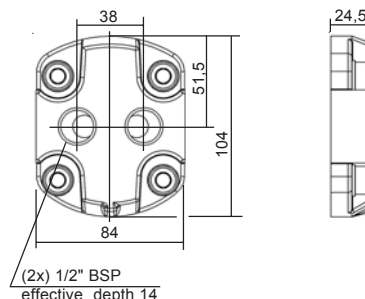
L

Standard



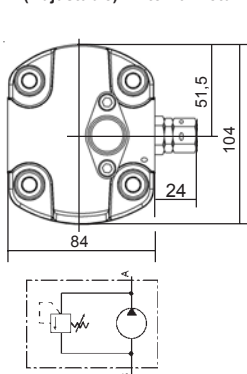
A

with ports



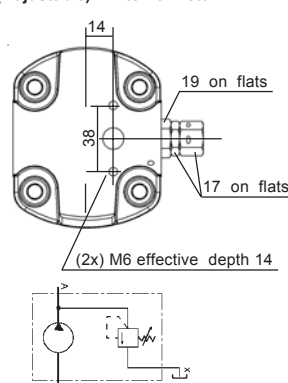
X

High pressure relief valve
(Adjustable) Internal return



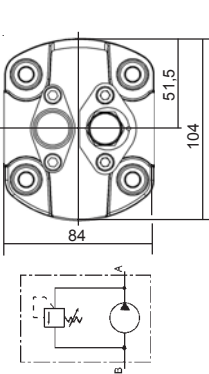
T

High pressure relief valve
(Adjustable) External return



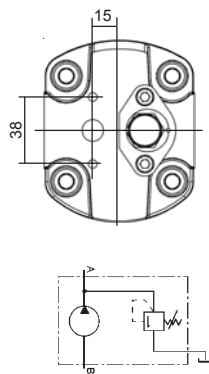
V

Low Pressure relief valve
(Adjustable) Internal return



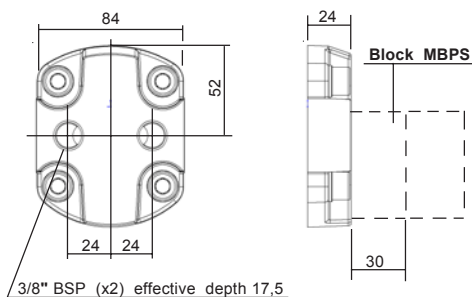
W

Low Pressure relief valve
(Adjustable) External return



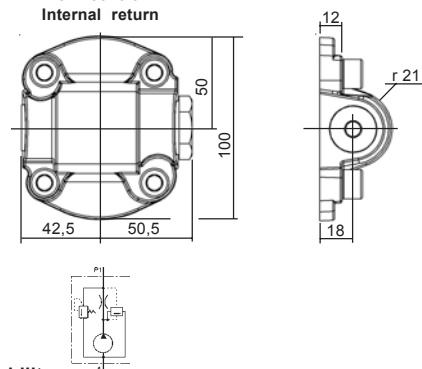
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1330 3/4

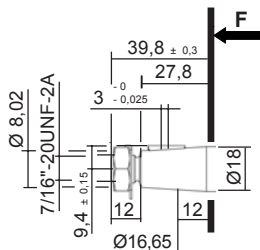
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

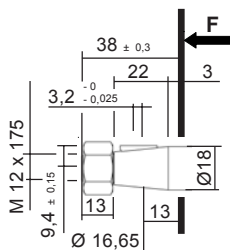


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

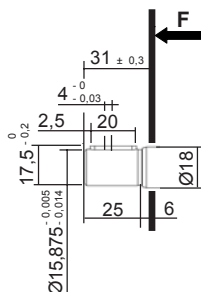
Maxi transmissible torque

220 N.m

Straight keyed

20

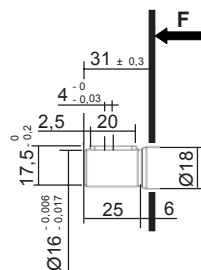
A01



Maxi transmissible torque

50 N.m

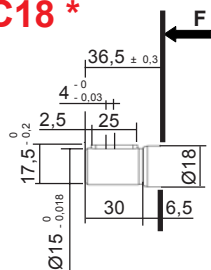
C02



Maxi transmissible torque

50 N.m

C18 *

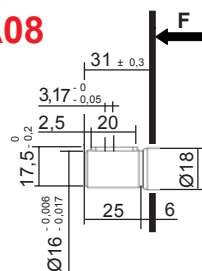


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



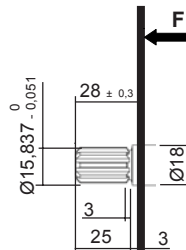
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

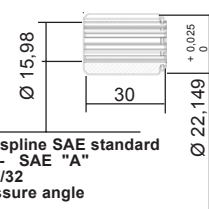
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: **K.5041310**

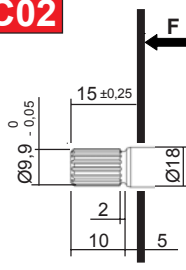
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

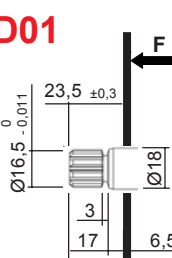


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

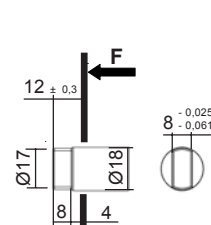
Maxi transmissible torque

100 N.m

Tang

40

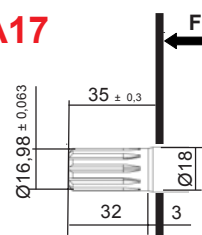
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

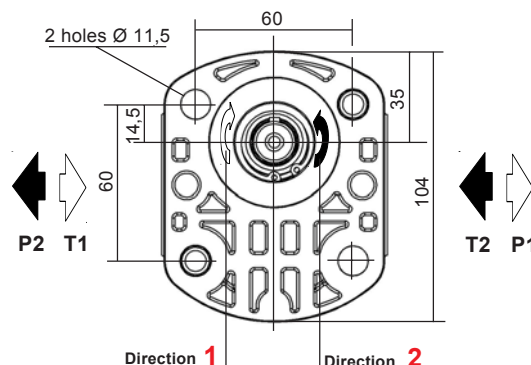
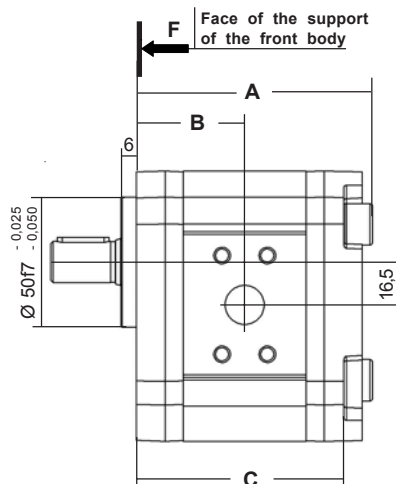
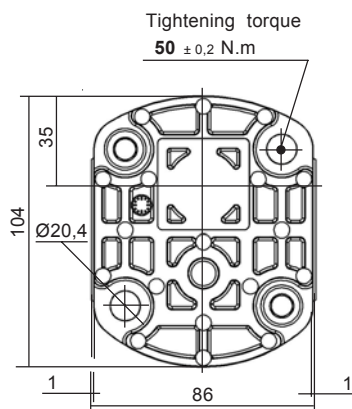
F.T 20 1330 4/4

Consult us for availability



P	II Sign	DC	N	2	VI Sign	H	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions		
	A	B	C
004 - 006 - 008 010 - 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069890

Viton: K5069820

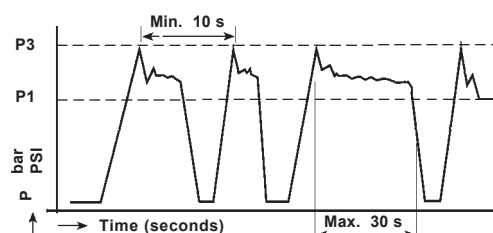
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

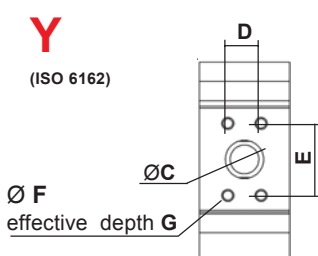
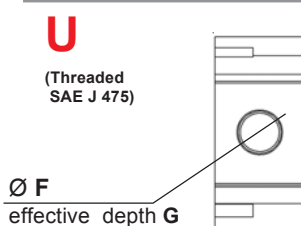
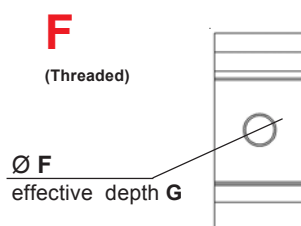
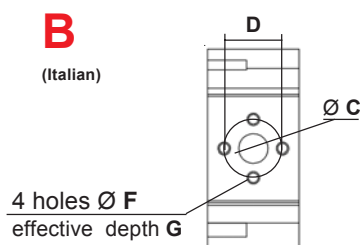
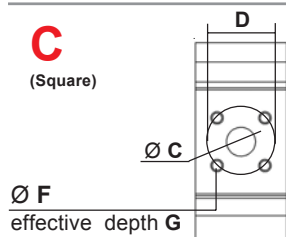
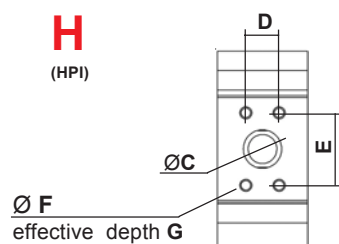
P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
											Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

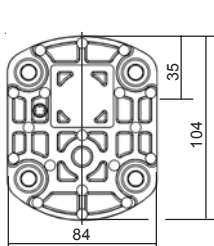
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1305 2/4

REAR BODIES

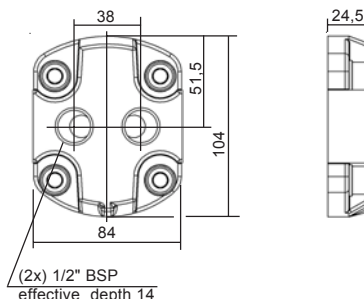
L

Standard



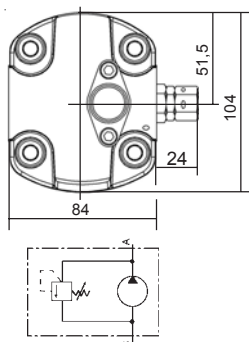
A

with ports



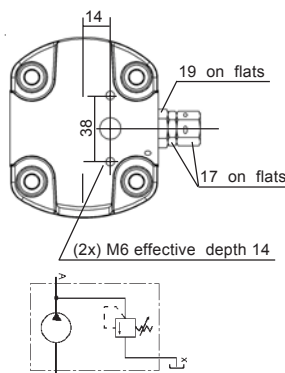
X

High pressure relief valve
(Adjustable) Internal return



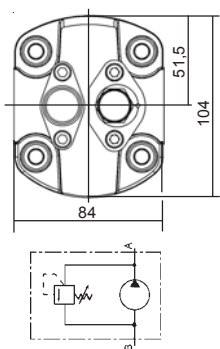
T

High pressure relief valve
(Adjustable) External return



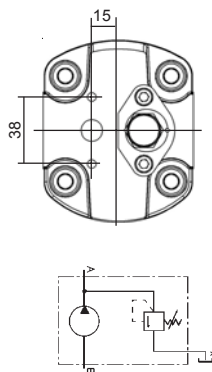
V

Low Pressure relief valve
(Adjustable) Internal return



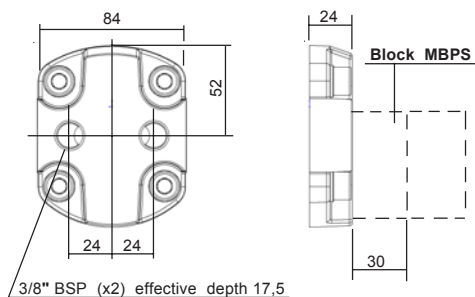
W

Low Pressure relief valve
(Adjustable) External return



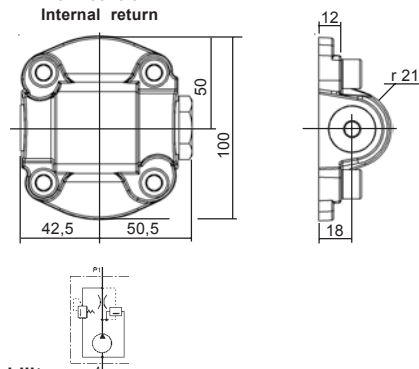
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1305 3/4

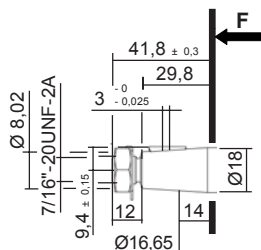
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

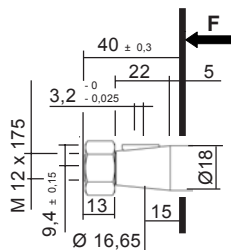


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

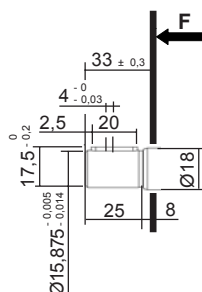
Maxi transmissible torque

220 N.m

Straight keyed

20

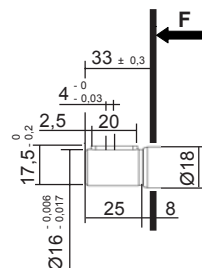
A01



Maxi transmissible torque

50 N.m

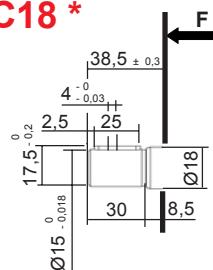
C02



Maxi transmissible torque

50 N.m

C18 *

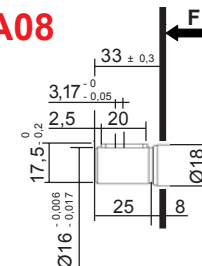


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



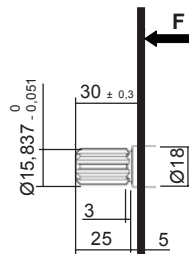
Maxi transmissible torque

50 N.m

Splined

30

A01

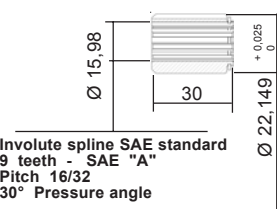


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

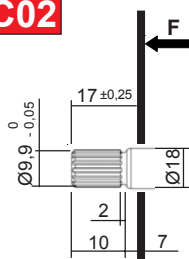
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

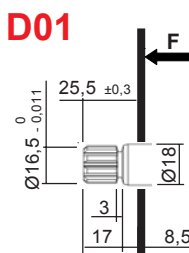


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

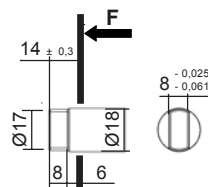
Maxi transmissible torque

100 N.m

Tang

40

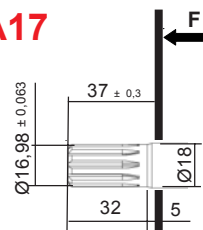
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

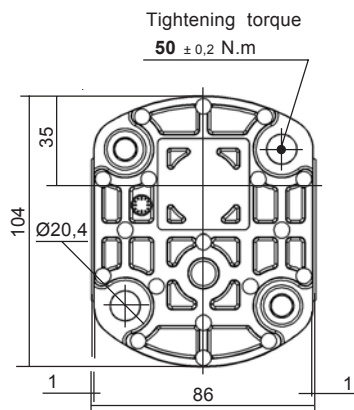
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1305 4/4

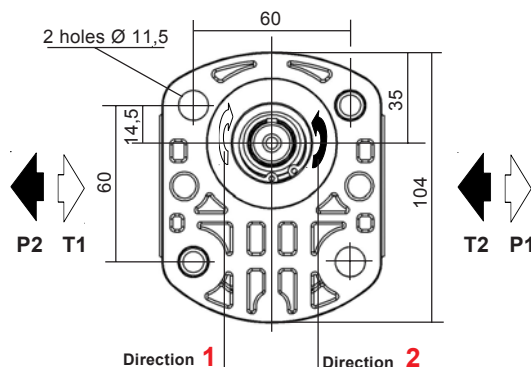
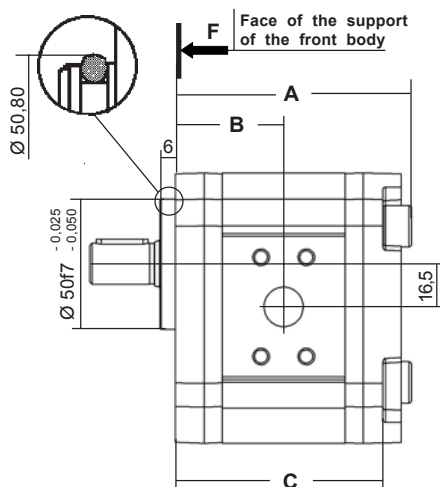
Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



Tightening torque
50 ± 0,2 N.m



CHOICE of the Capacity	Dimensions		
	A	B	C
004 - 006 - 008 010 - 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069890 + K101513**

Viton: **K5069820 + K101326**

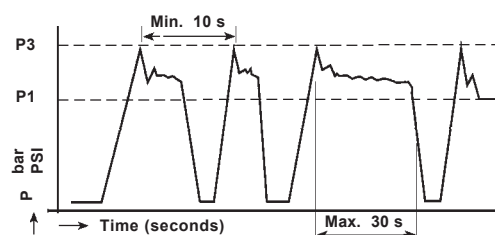
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

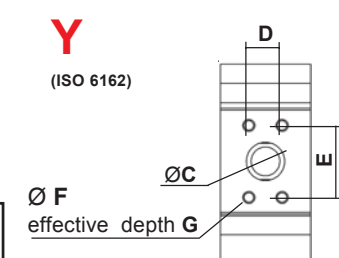
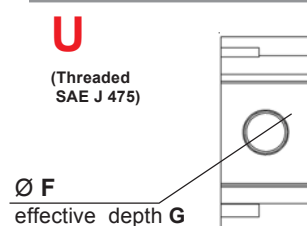
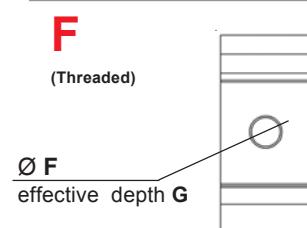
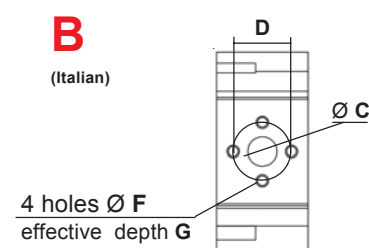
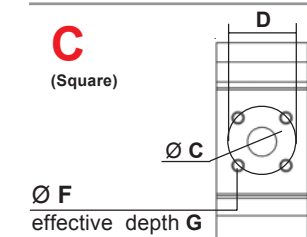
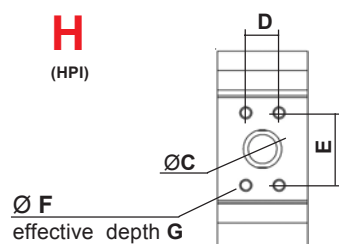
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

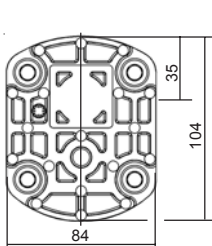
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T) 1 / 2 " BSP N: 2.500055 V: 2.504126	OUTLET (P) 3 / 8 " BSP N: 2.500054 V: 2.505994
	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2014 to 2030	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
	23,5	40		M8	13	15	30		M6	13	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
				1" BSP	18				1/2" BSP	14		
2014 to 2022				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

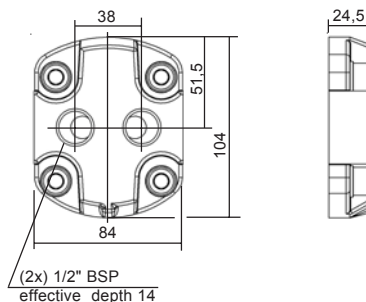
L

Standard



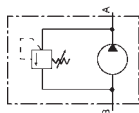
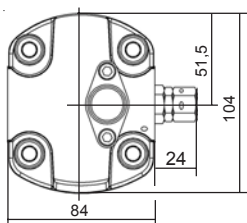
A

with ports



X

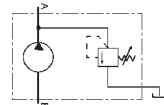
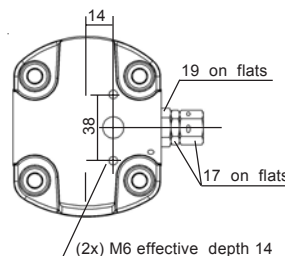
High pressure relief valve
(Adjustable) Internal return



Blank port
connector only
internal return

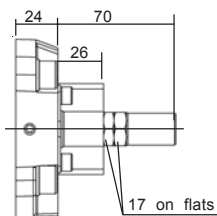
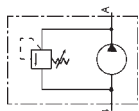
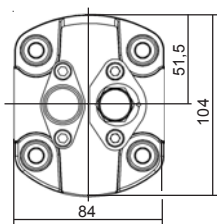
T

High pressure relief valve
(Adjustable) External return



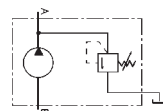
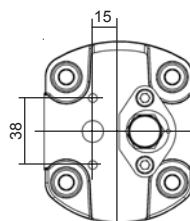
V

Low Pressure relief valve
(Adjustable) Internal return



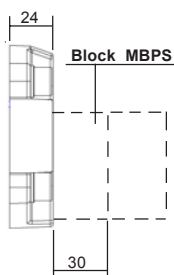
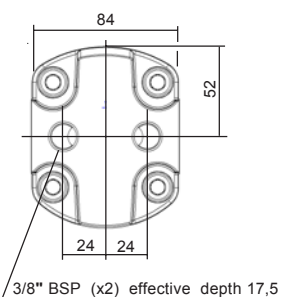
W

Low Pressure relief valve
(Adjustable) External return



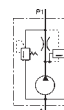
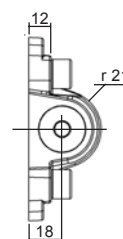
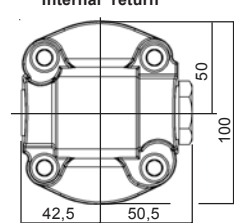
AR

with block configuration MBPS



Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

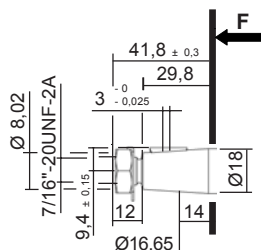
F.T 20 1331 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

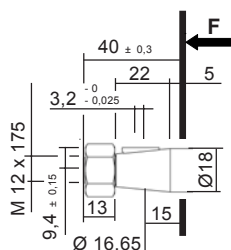


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

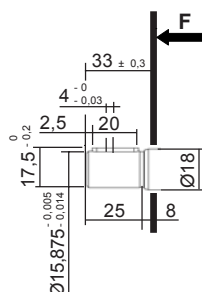
Maxi transmissible torque

220 N.m

Straight keyed

20

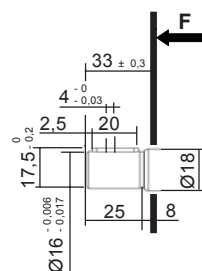
A01



Maxi transmissible torque

50 N.m

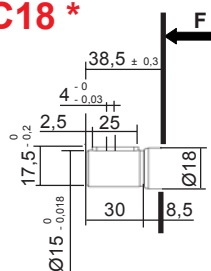
C02



Maxi transmissible torque

50 N.m

C18 *

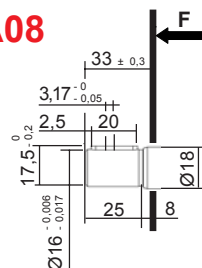


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



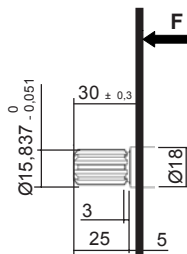
Maxi transmissible torque

50 N.m

Splined

30

A01

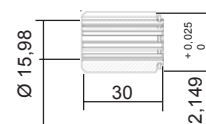


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

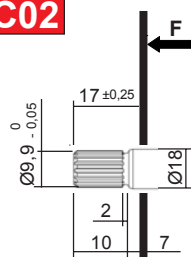
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

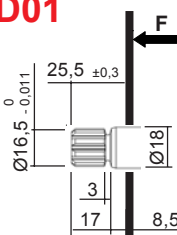


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

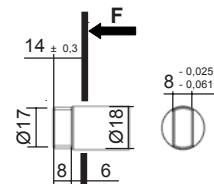
Maxi transmissible torque

100 N.m

Tang

40

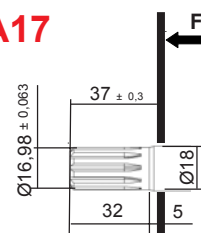
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

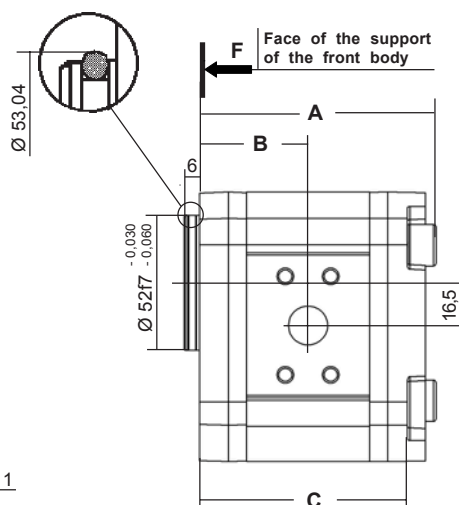
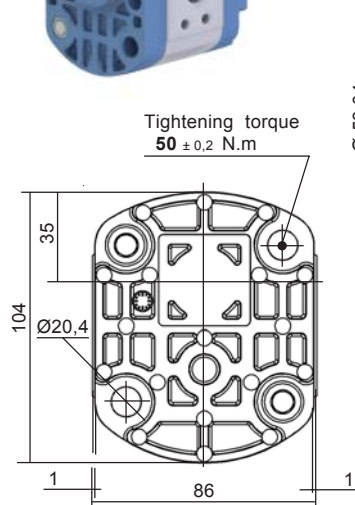
F.T 20 1331 4/4

Consult us for availability

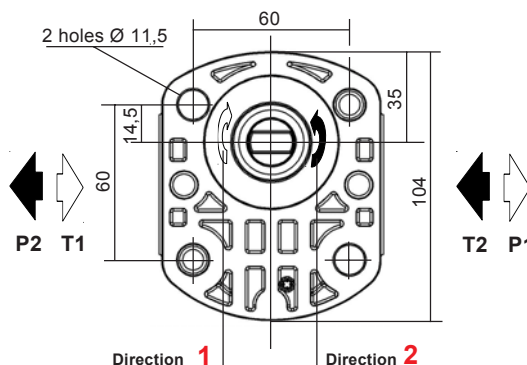


P	II Sign	DU	K	2	VI Sign	H	L	4	0	D 02	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



ATTENTION:
Mounting without tightness seal



CHOICE of the Capacity	Dimensions		
	A	B	C
004 - 006 - 008 010 - 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069830 + K102539

Viton: K5069840 + K107013

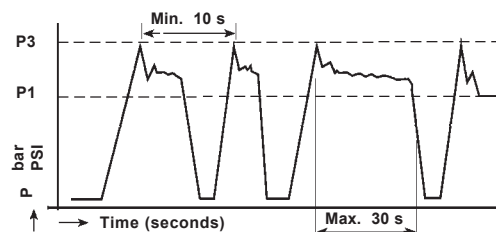
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

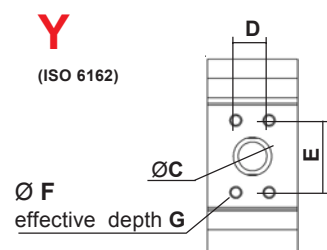
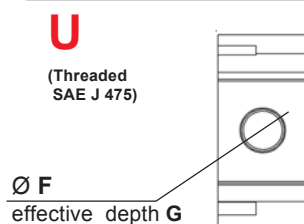
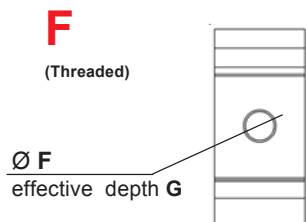
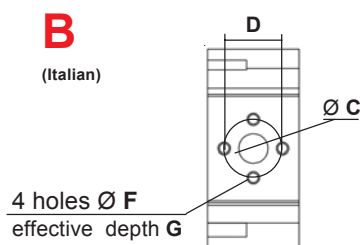
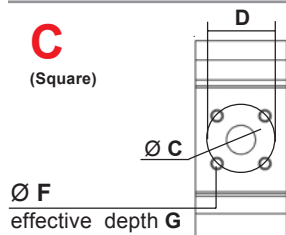
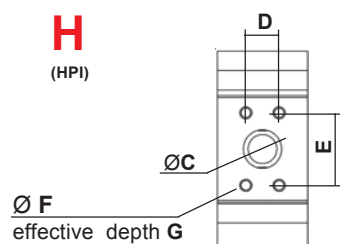
P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2004 to 2012												
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012											1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

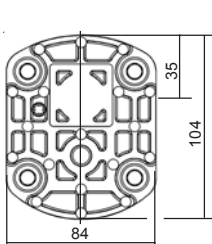
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1333 2/4

REAR BODIES

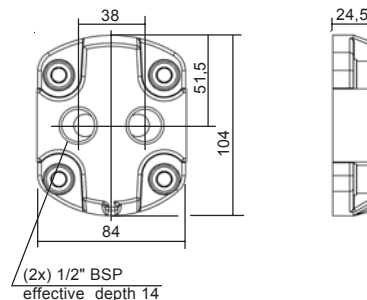
L

Standard



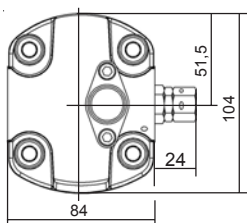
A

with ports



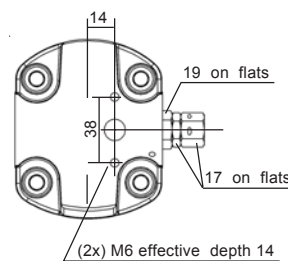
X

High pressure relief valve
(Adjustable) Internal return



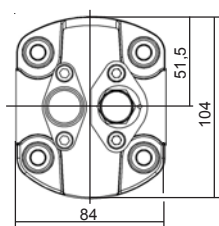
T

High pressure relief valve
(Adjustable) External return



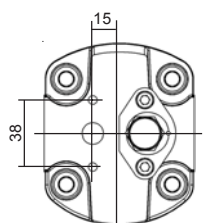
V

Low Pressure relief valve
(Adjustable) Internal return



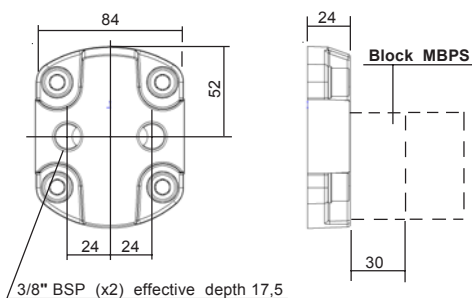
W

Low Pressure relief valve
(Adjustable) External return



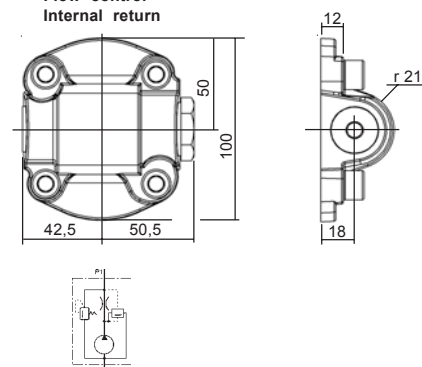
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1333 3/4

Consult us for availability

DRIVING SHAFT (DUK)

Tapered

10

Straight keyed

20

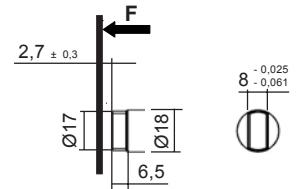
Splined

30

Tang

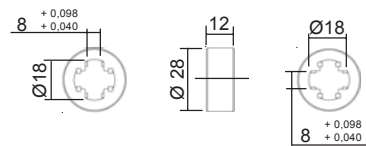
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1333 4/4

Consult us for availability

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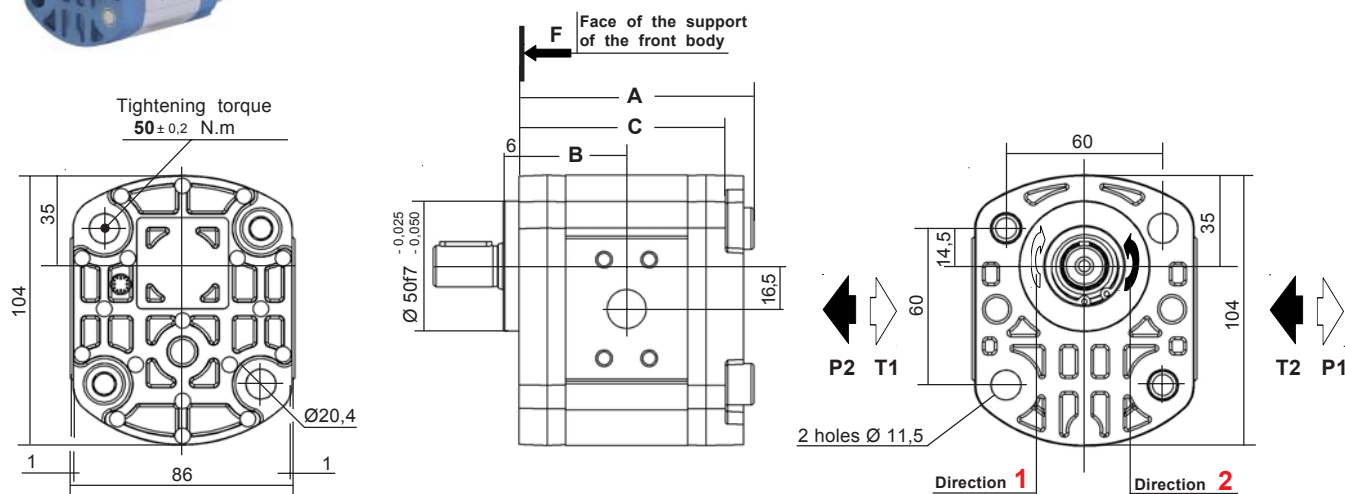
[next](#)

[main dimensions](#)

PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions		
	A	B	C
004 - 006 - 008 010 - 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: K5069890

Viton: K5069820

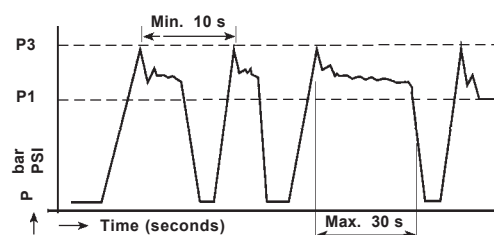
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

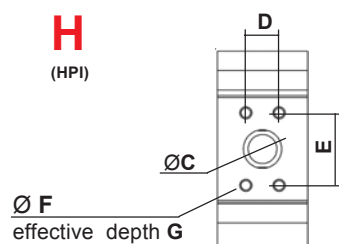
P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										 Consult us for availability	

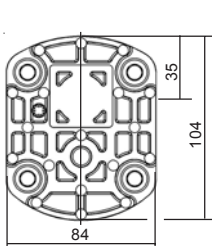
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1332 2/4

REAR BODIES

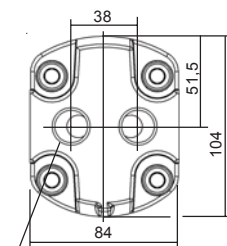
L

Standard



A

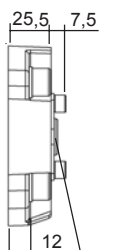
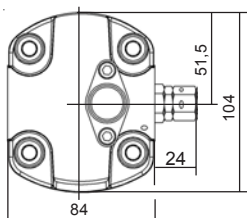
with ports



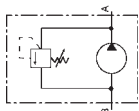
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

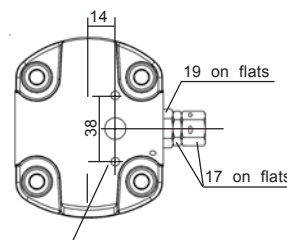


Blank port
connector only
internal return

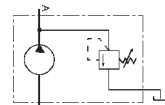


T

High pressure relief valve
(Adjustable) External return

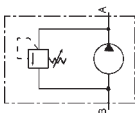
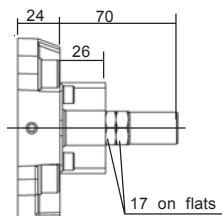
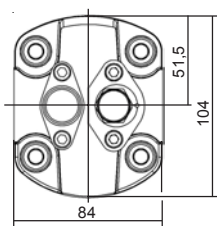


(2x) M6 effective depth 14



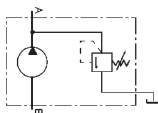
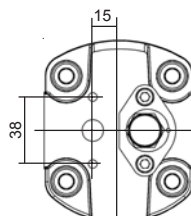
V

Low Pressure relief valve
(Adjustable) Internal return



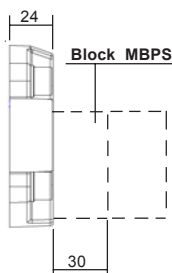
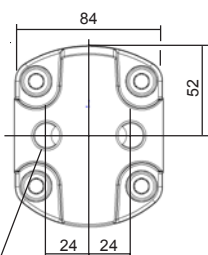
W

Low Pressure relief valve
(Adjustable) External return



AR

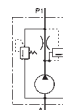
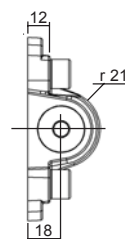
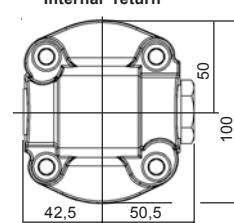
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

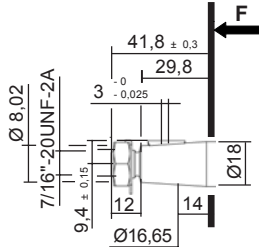
F.T 20 1332 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

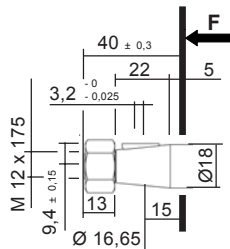


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

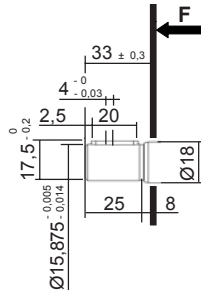
Maxi transmissible torque

220 N.m

Straight keyed

20

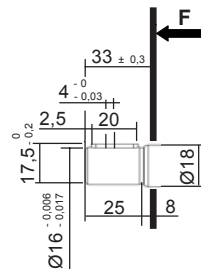
A01



Maxi transmissible torque

50 N.m

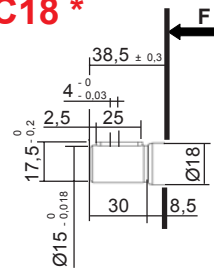
C02



Maxi transmissible torque

50 N.m

C18 *

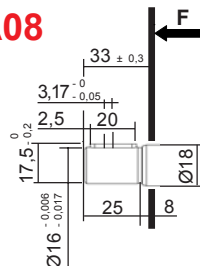


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



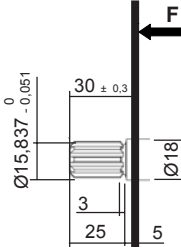
Maxi transmissible torque

50 N.m

Splined

30

A01

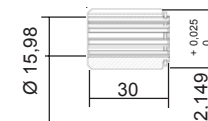


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

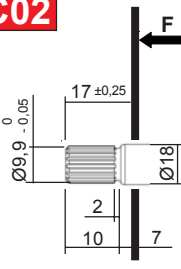
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

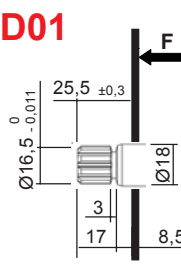


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

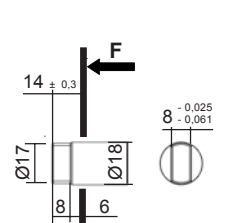
Maxi transmissible torque

100 N.m

Tang

40

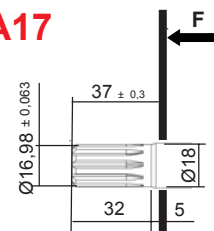
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

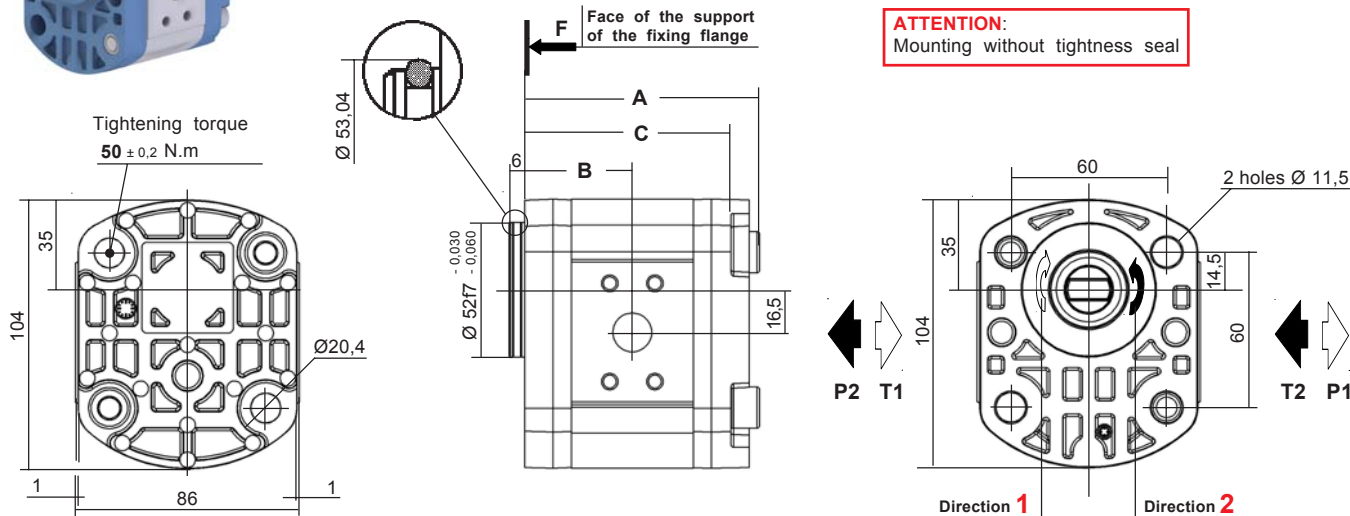
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1332 4/4

Consult us for availability



For CODIFICATION, see data sheet F.T R 0011



CHOICE of the Capacity	Dimensions		
	A	B	C
004 - 006 - 008 010 - 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Multiples geared pumps,
see data sheet F.T 20 1306

Seal kits:

Nitrile: K5069830 + K102539

Viton: K5069840 + K107013

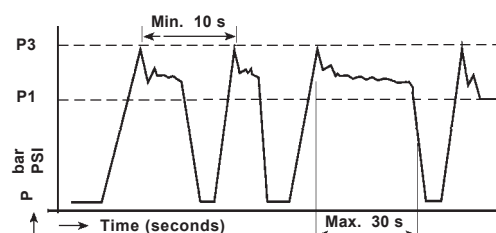
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	1,6
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	1,6
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	1,7
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	1,7
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	1,7
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	2
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	2,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	2,2
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	2,3
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	2,7
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

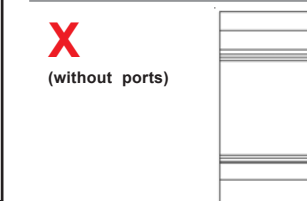
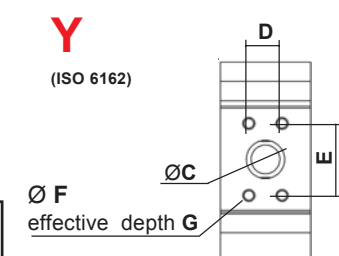
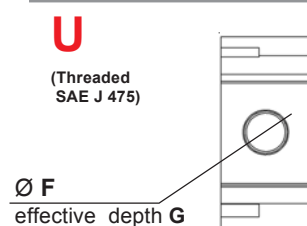
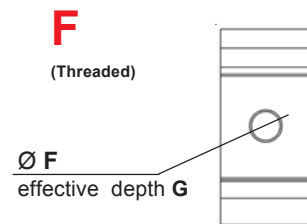
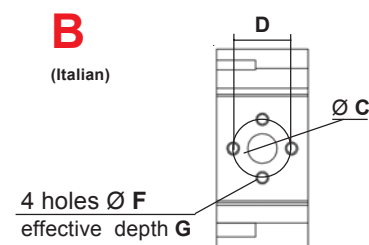
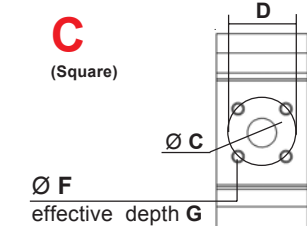
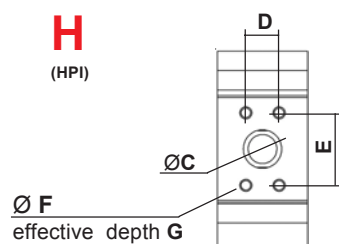
contents

previous

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main dimensions

PUBLISHING 02 / 04 / 2013

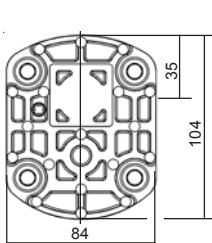
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

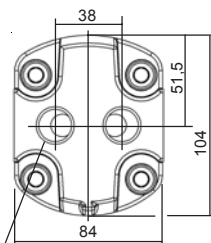
L

Standard



A

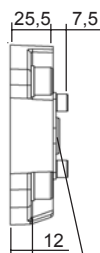
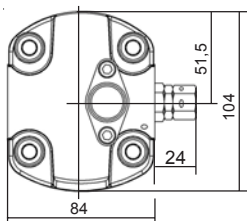
with ports



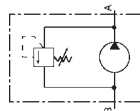
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

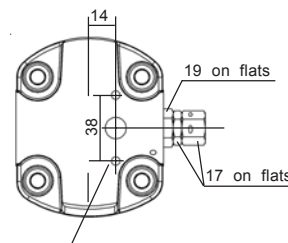


Blank port
connector only
internal return

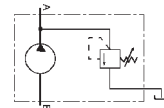


T

High pressure relief valve
(Adjustable) External return

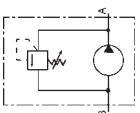
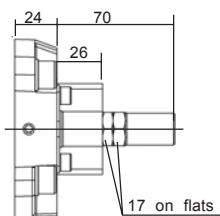
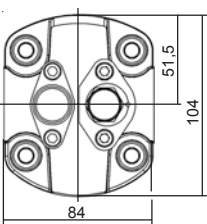


(2x) M6 effective depth 14



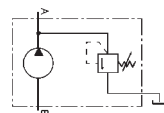
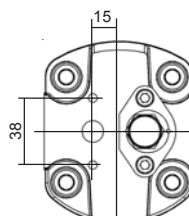
V

Low Pressure relief valve
(Adjustable) Internal return



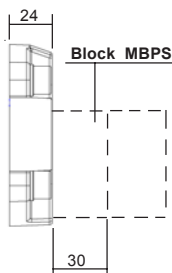
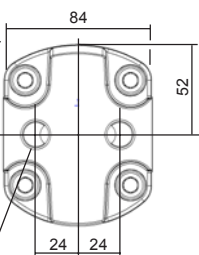
W

Low Pressure relief valve
(Adjustable) External return



AR

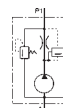
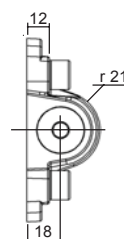
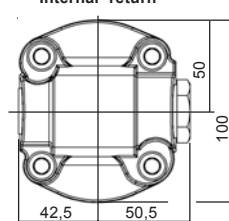
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1362 3/4

DRIVING SHAFT (DZK)

Tapered

10

Straight keyed

20

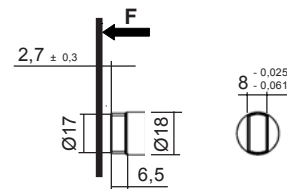
Splined

30

Tang

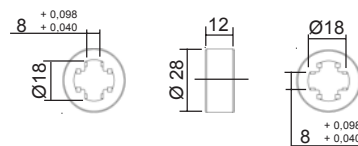
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

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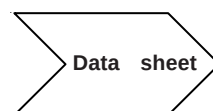


F.T 20 1299

PUMPS PRESENTATION SERIES 2 and 2,5

- THICK FRONT BODIES

PUMP **AAP**



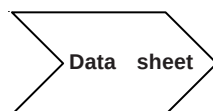
F.T 20 1339

PUMP **AAR**



F.T 20 1341

PUMP **ARP**



F.T 20 1343

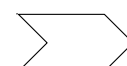
PUMP **ARK**



F.T 20 1345



Consult us for availability



- THICK FRONT BODIES (rest)

PUMP

DBP



Data sheet

F.T 20 1347

PUMP

DBR



Data sheet

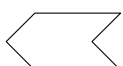
F.T 20 1349

MULTIPLES
PUMPS



Data sheet

F.T 20 1306



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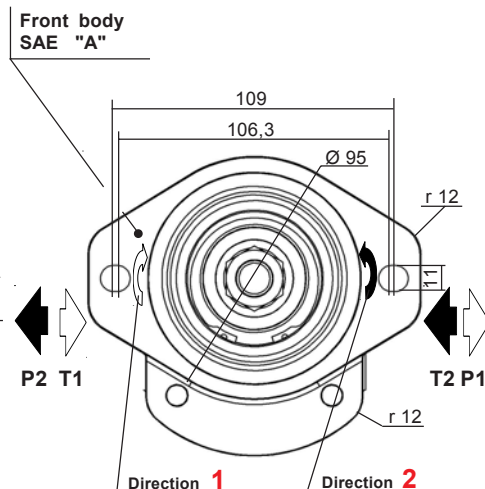
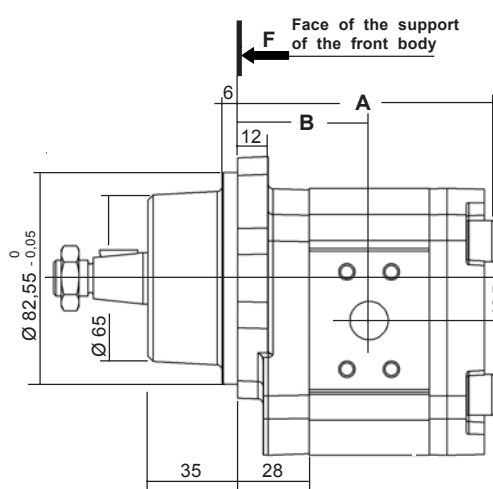
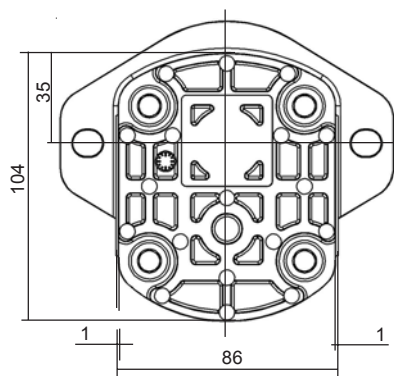
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	100,5	51,5
014 - 015 - 017 018 - 022	115	59
026 - 030	131	67

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

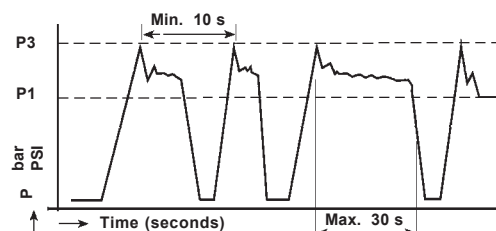
Nitrile: **K5069870 + K5069830**
Viton: **K5069880 + K5069840**
(For the manufacturings
from february 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		cc / rev	bar	PSI	bar		PSI	at 1500 RPM			
								l / min	l / min		
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

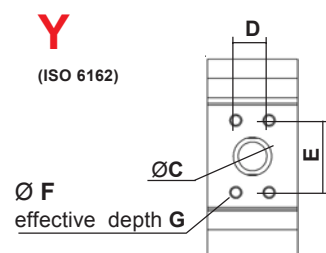
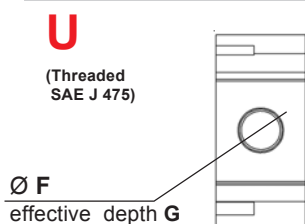
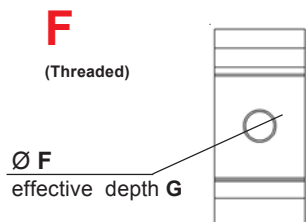
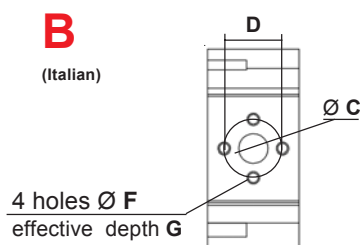
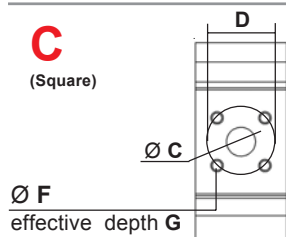
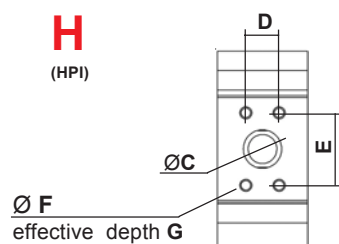
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

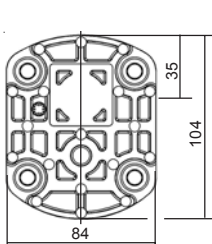
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

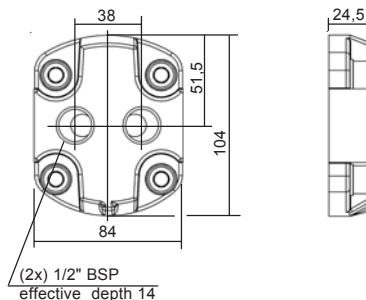
L

Standard



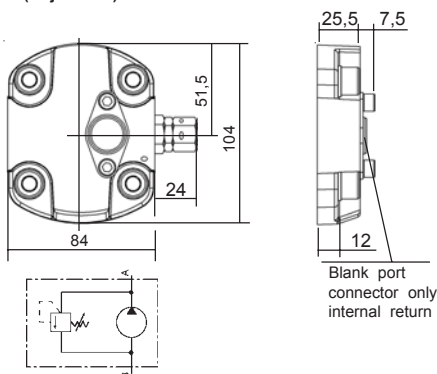
A

with ports



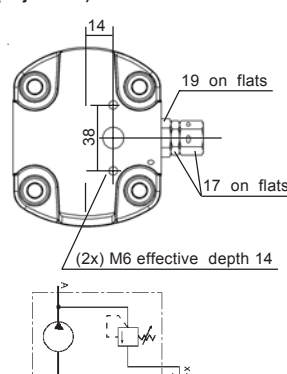
X

High pressure relief valve
(Adjustable) Internal return



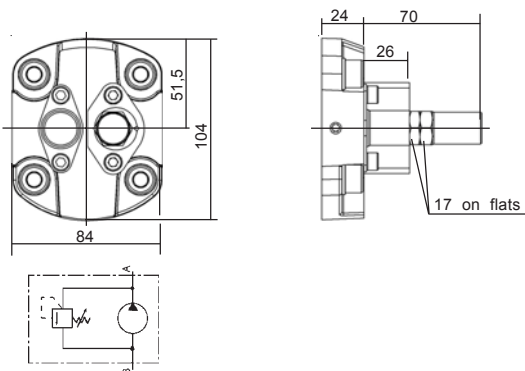
T

High pressure relief valve
(Adjustable) External return



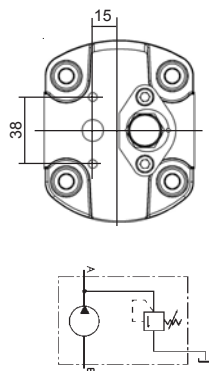
V

Low Pressure relief valve
(Adjustable) Internal return



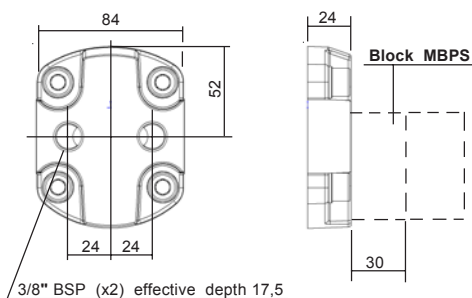
W

Low Pressure relief valve
(Adjustable) External return



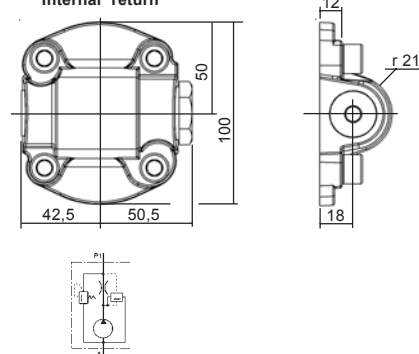
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

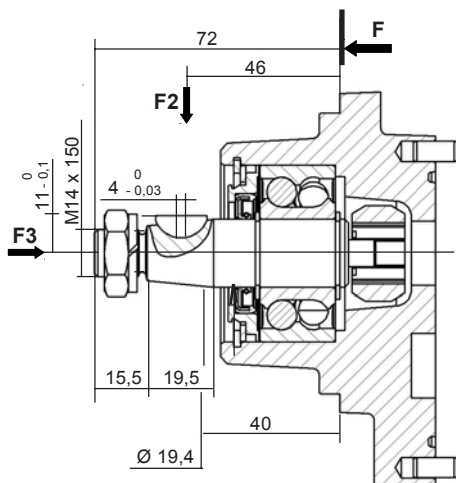
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

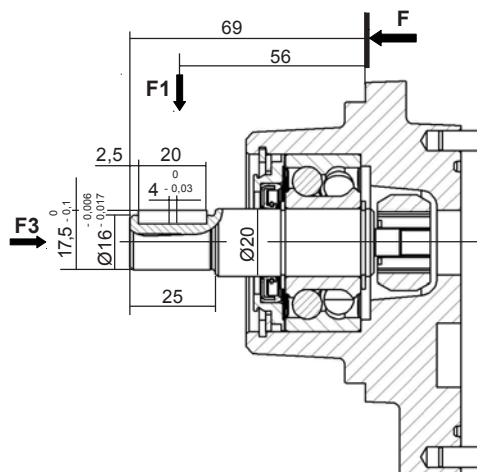
Maxi transmissible torque

50 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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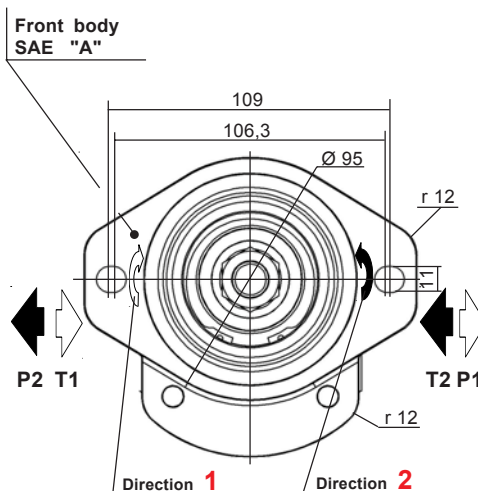
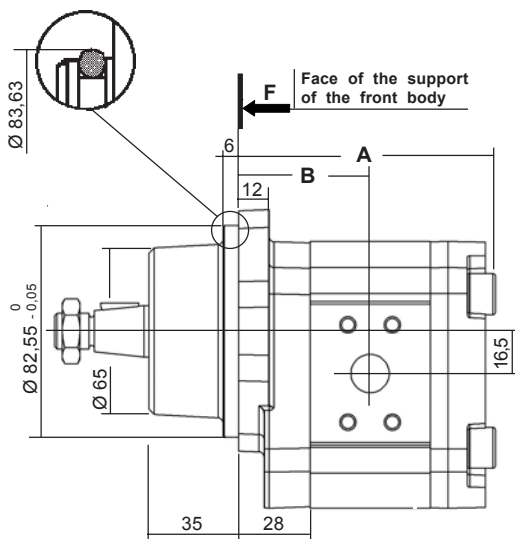
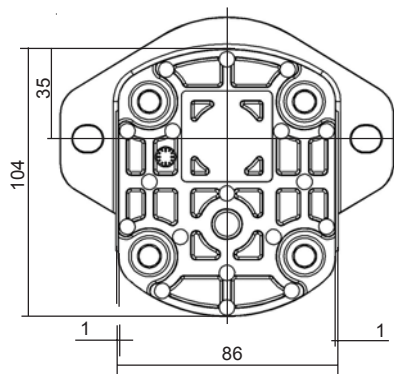
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P **II** **AAR** **2** **VI** **HL** **IX** **X** **C03** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions	A	B
004 - 006 - 008 010 - 012	100,5	51,5
014 - 015 - 017 018 - 022	115	59
026 - 030	131	67

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069870 + K5069830 + K102901**

Viton: **K5069880 + K5069840 + K104093**

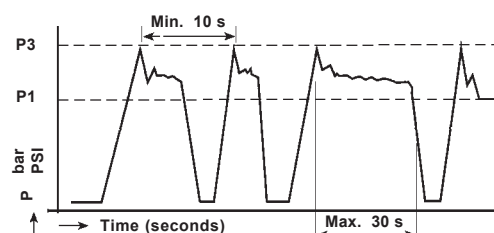
(For the manufacturings
from february 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

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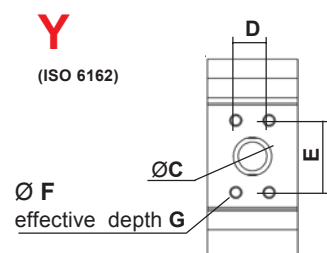
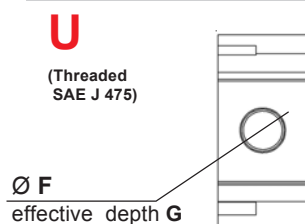
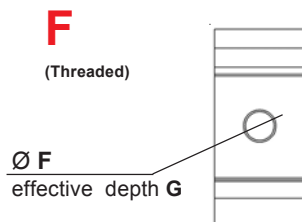
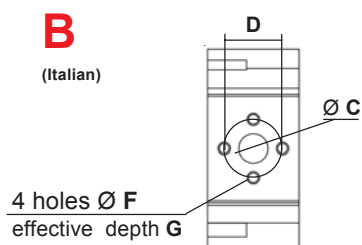
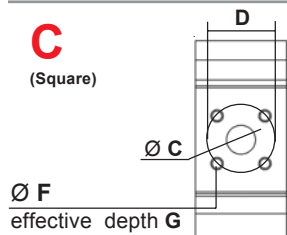
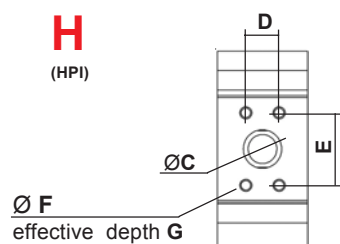
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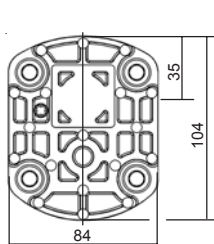
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2004 to 2012												
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012											1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

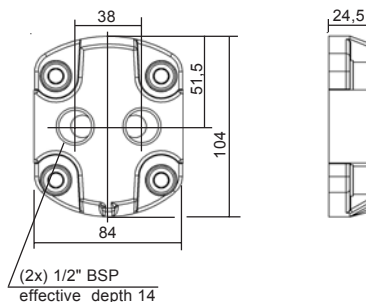
L

Standard



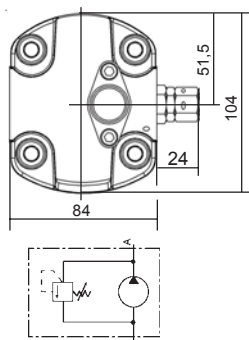
A

with ports



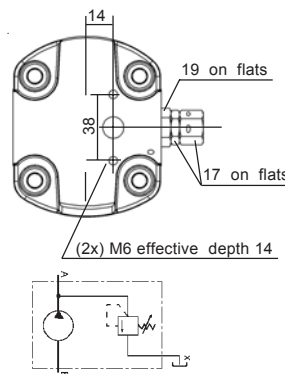
X

High pressure relief valve
(Adjustable) Internal return



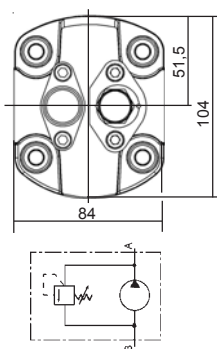
T

High pressure relief valve
(Adjustable) External return



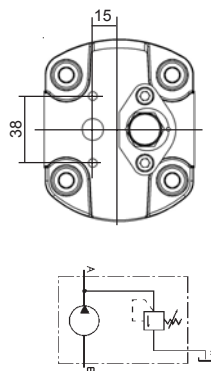
V

Low Pressure relief valve
(Adjustable) Internal return



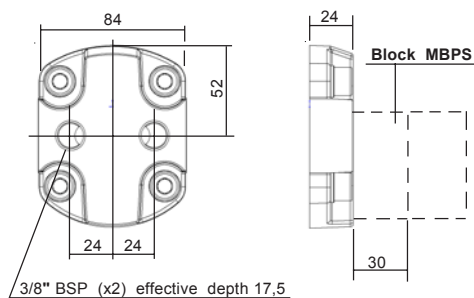
W

Low Pressure relief valve
(Adjustable) External return



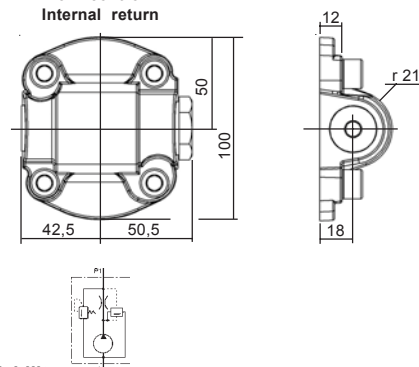
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1341 3/4

Consult us for availability

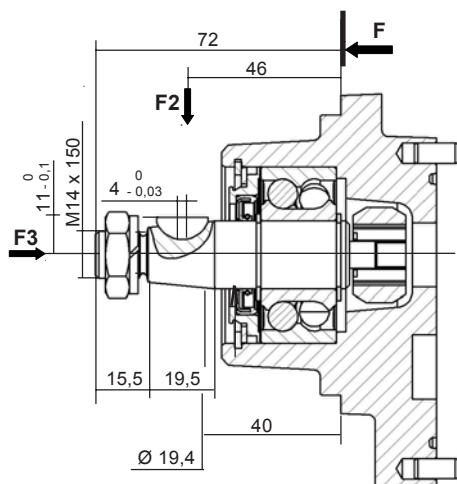
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

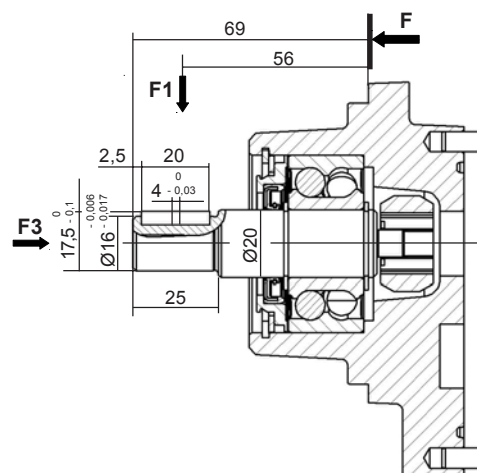
Maxi transmissible torque

50 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1341 4/4

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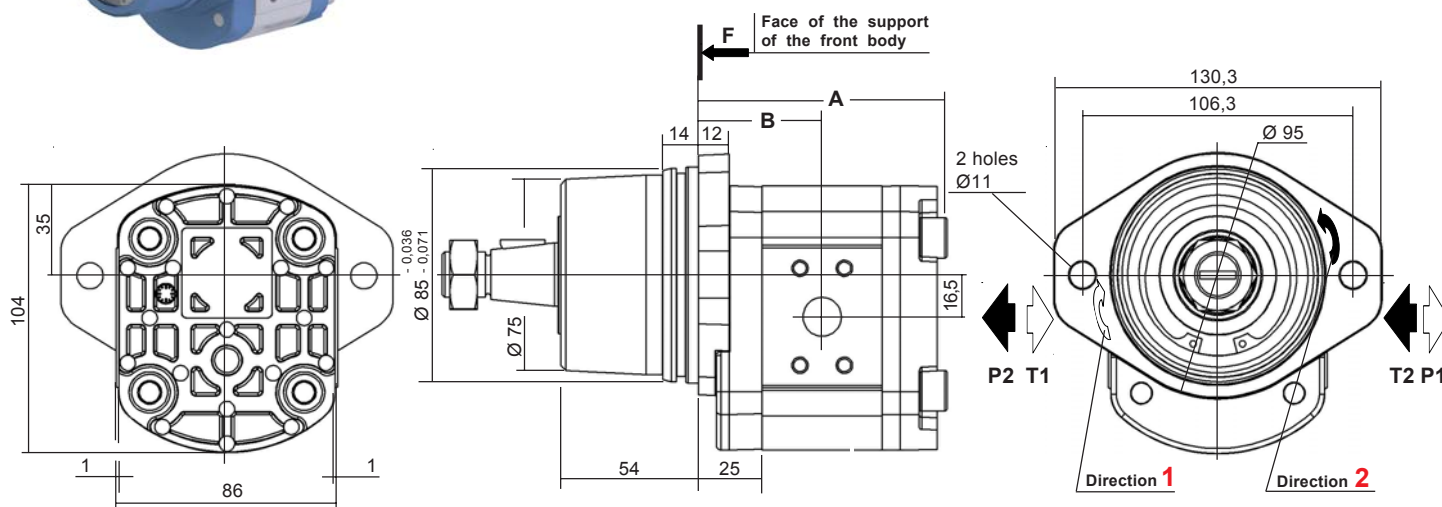
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P	II Sign	AR P 2	VI Sign	H L 1 0 C05	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**


CHOICE of the capacity	Dimensions	
	A	B

004 - 006 - 008 010 - 012	97,5	48,5
014 - 015 - 017 018 - 022	112	56
026 - 030	128	64

Multiples geared pumps,
see data sheet **F.T 20 1306**
Seal kits:

Nitrile: **K112366 + K5069830**

Viton: **K112366 + K5069840**

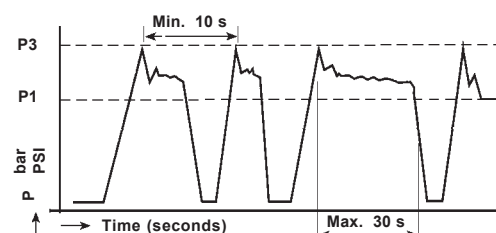
(For the manufacturings
from february 1986)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

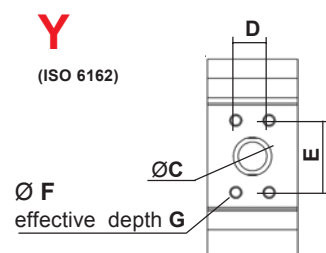
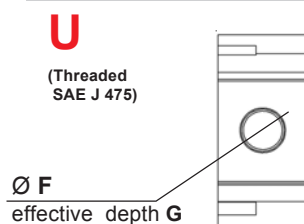
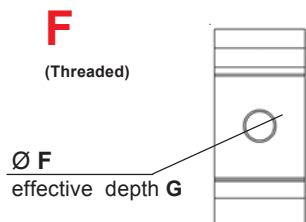
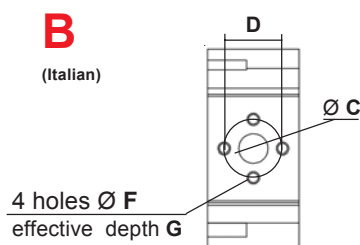
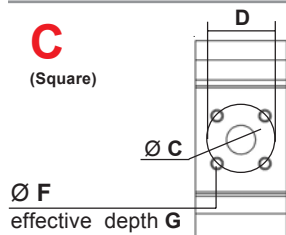
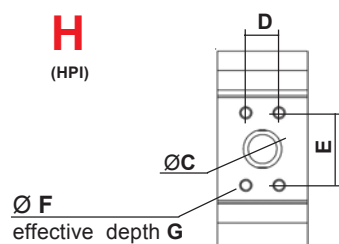
P3 Allowable peak pressure.



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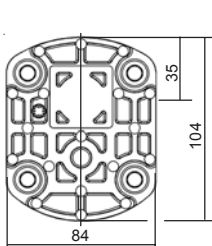
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T) 1 / 2 " BSP N: 2.500055 V: 2.504126	OUTLET (P) 3 / 8 " BSP N: 2.500054 V: 2.505994
	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2014 to 2030	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
	23,5	40		M8	13	15	30		M6	13	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
				1" BSP	18				1/2" BSP	14		
2014 to 2022				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

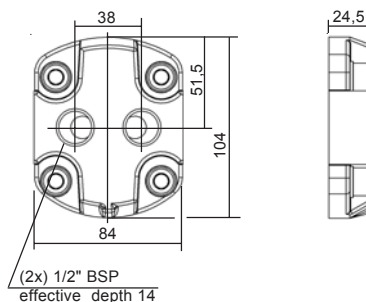
L

Standard



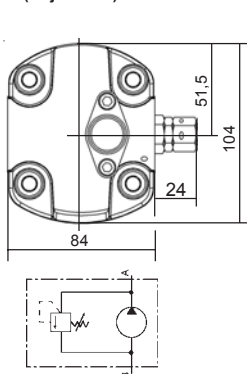
A

with ports



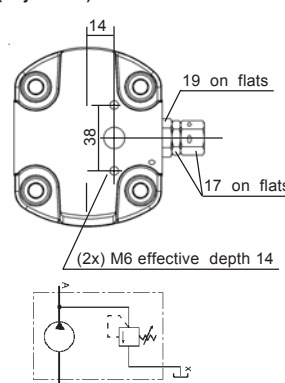
X

High pressure relief valve
(Adjustable) Internal return



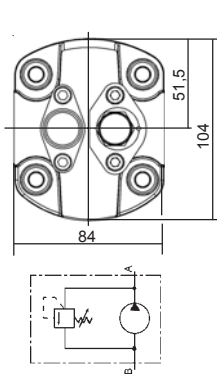
T

High pressure relief valve
(Adjustable) External return



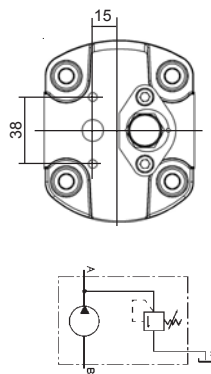
V

Low Pressure relief valve
(Adjustable) Internal return



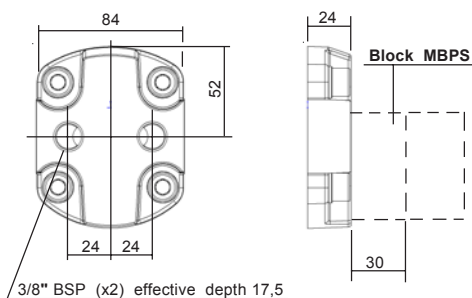
W

Low Pressure relief valve
(Adjustable) External return



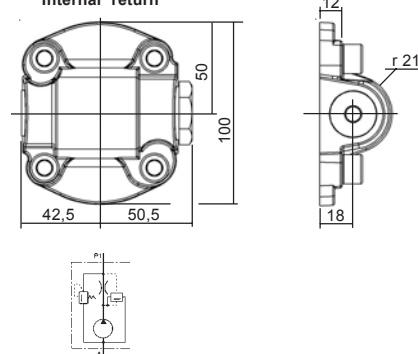
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

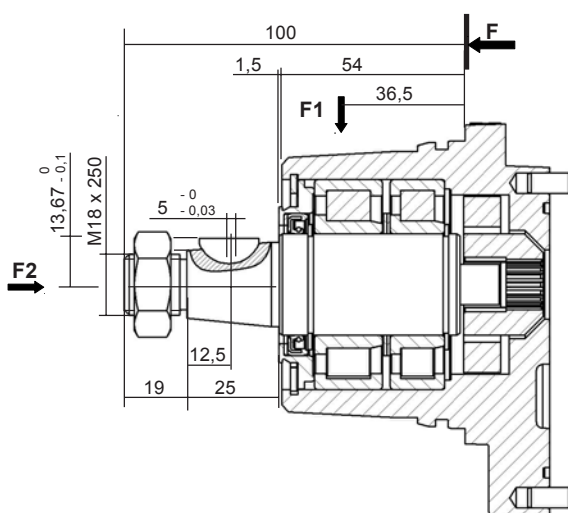
DRIVING SHAFT

Tapered

10

C05

Cône 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1343 4/4

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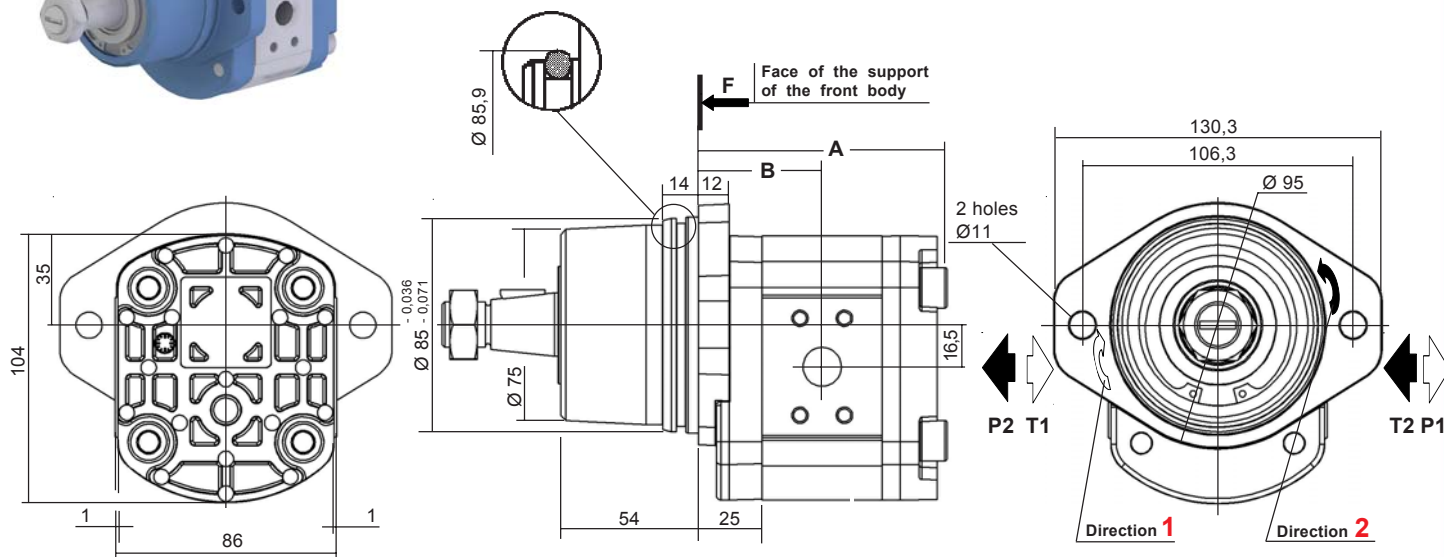
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P II Sign **AR K 2** VI Sign **H L 1 0 C05** XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	97,5	48,5
014 - 015 - 017 018 - 022	112	56
026 - 030	128	64

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K112366 + K5069830 + K106139**

Viton: **K112366 + K5069840 + K106139**

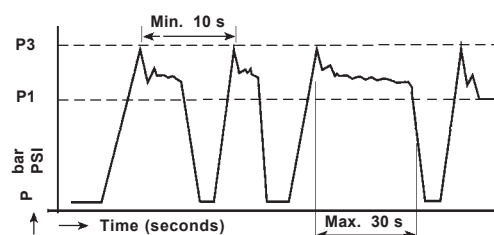
(For the manufacturings
from february 1986)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

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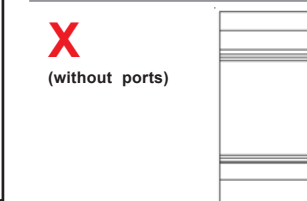
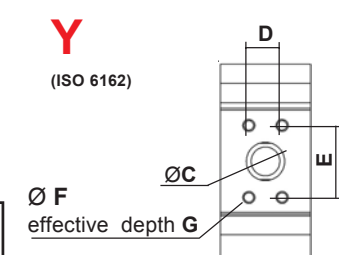
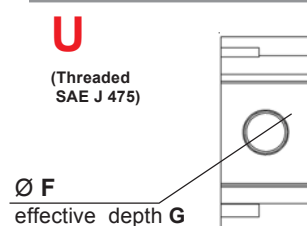
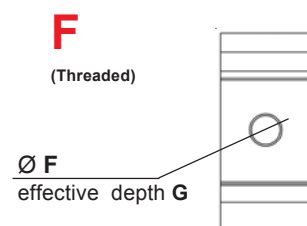
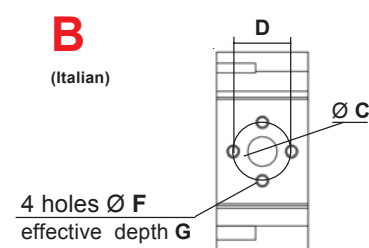
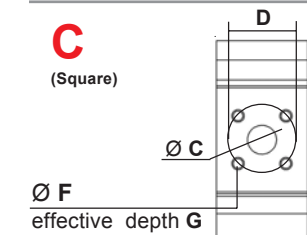
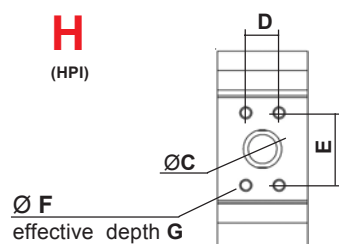
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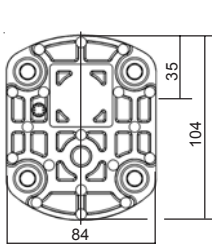
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	INLET (T) 1 / 2 " BSP N: 2.500055 V: 2.504126	OUTLET (P) 3 / 8 " BSP N: 2.500054 V: 2.505994
	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2014 to 2030	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
	23,5	40		M8	13	15	30		M6	13	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
				1" BSP	18				1/2" BSP	14		
2014 to 2022				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

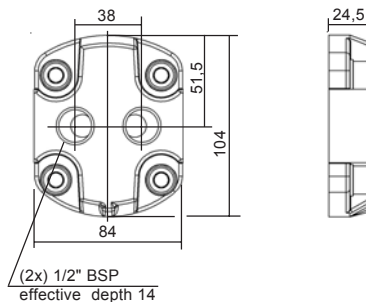
L

Standard



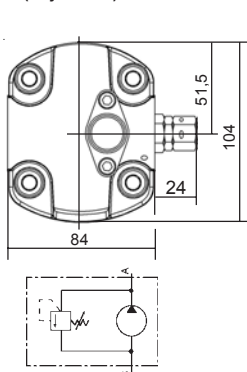
A

with ports



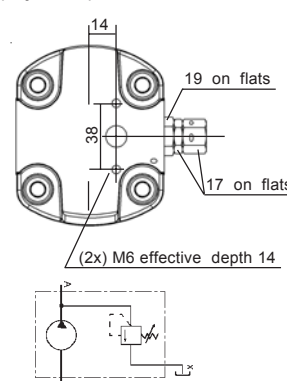
X

High pressure relief valve
(Adjustable) Internal return



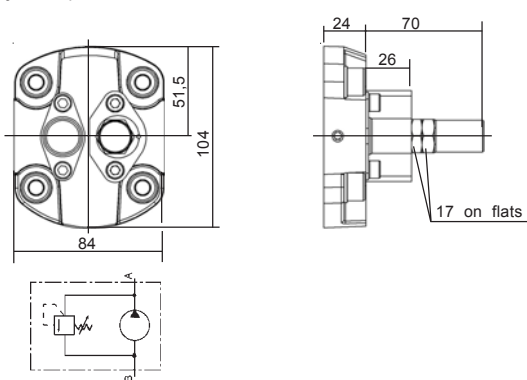
T

High pressure relief valve
(Adjustable) External return



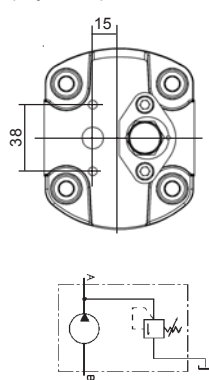
V

Low Pressure relief valve
(Adjustable) Internal return



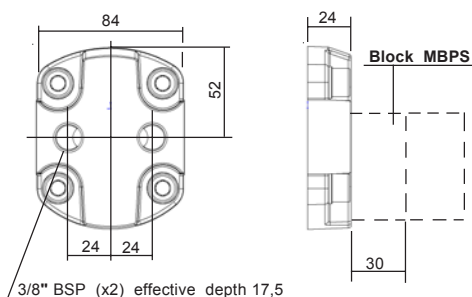
W

Low Pressure relief valve
(Adjustable) External return



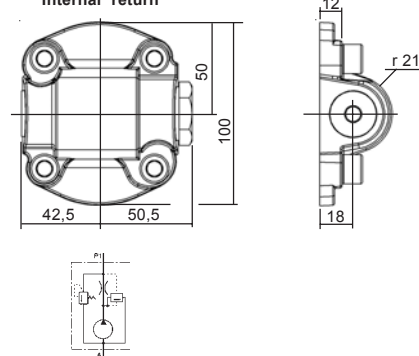
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1344 3/4

Consult us for availability

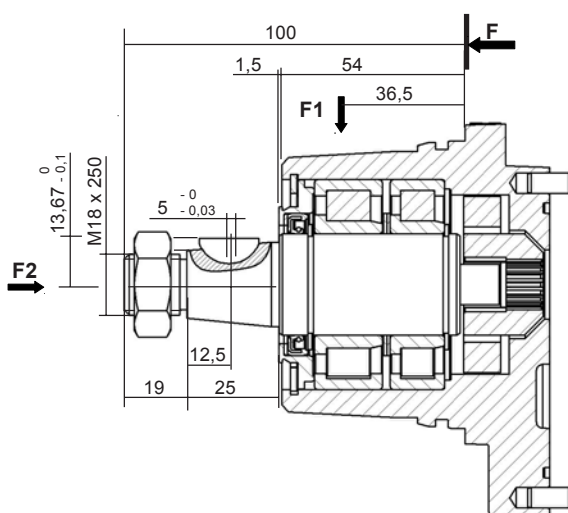
DRIVING SHAFT

Tapered

10

C05

Cône 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1344 4/4



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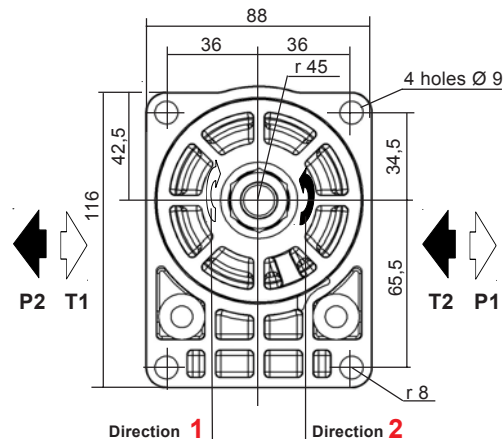
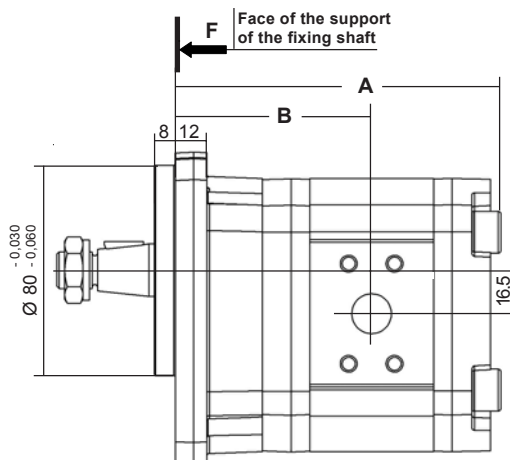
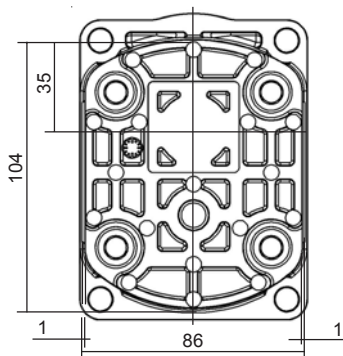
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B

004 - 006 - 008 010 - 012	123,5	74,5
014 - 015 - 017 018 - 022	138	82
026 - 030	154	90

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5073298 + K5069830**

Viton: **K5073299 + K5069840**

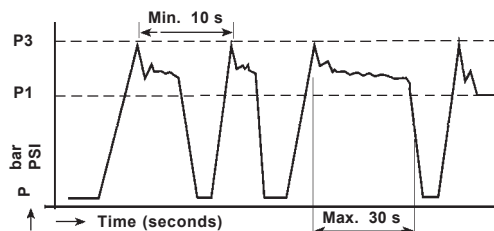
(For the manufacturings from may 1986)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

[home](#)

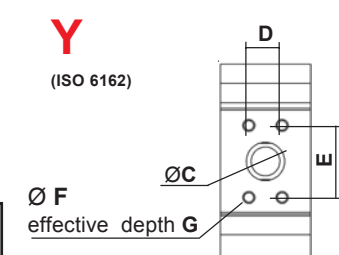
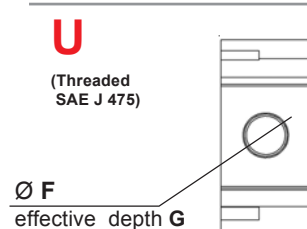
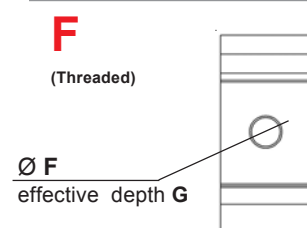
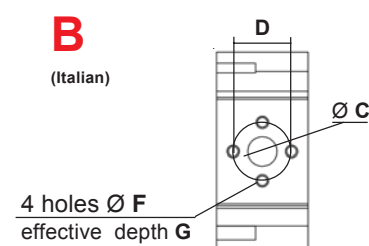
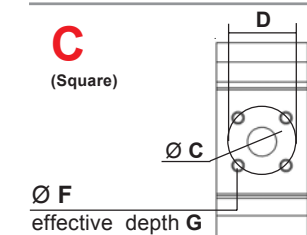
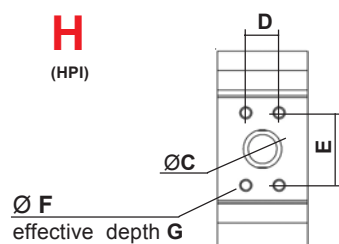
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PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


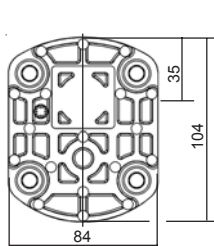
X
(without ports)

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
											Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012	20	40		M6	12	15	35		M6	12	1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030											3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

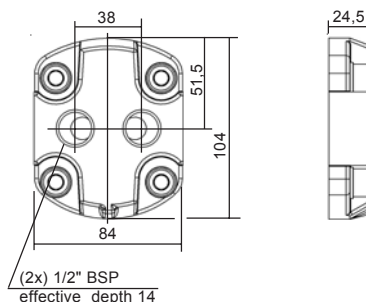
L

Standard



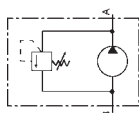
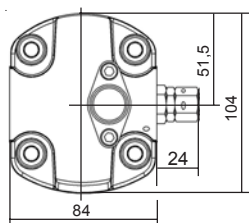
A

with ports



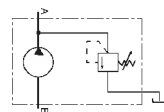
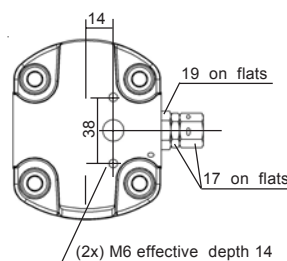
X

High pressure relief valve
(Adjustable) Internal return



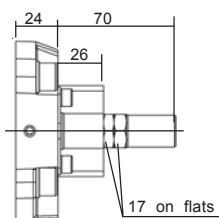
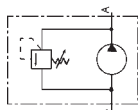
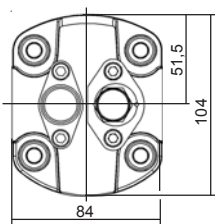
T

High pressure relief valve
(Adjustable) External return



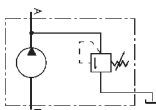
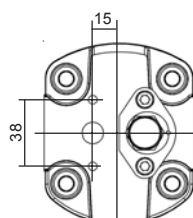
V

Low Pressure relief valve
(Adjustable) Internal return



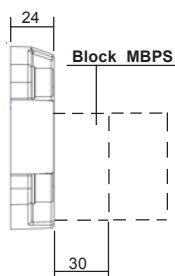
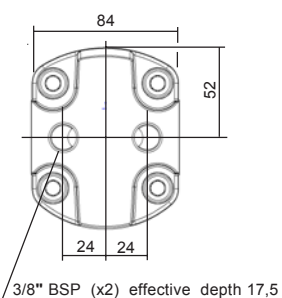
W

Low Pressure relief valve
(Adjustable) External return



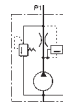
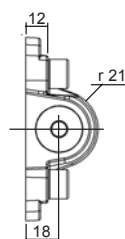
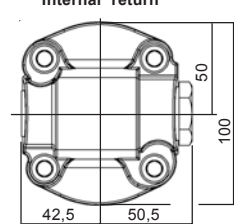
AR

with block configuration MBPS



Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1347 3/4

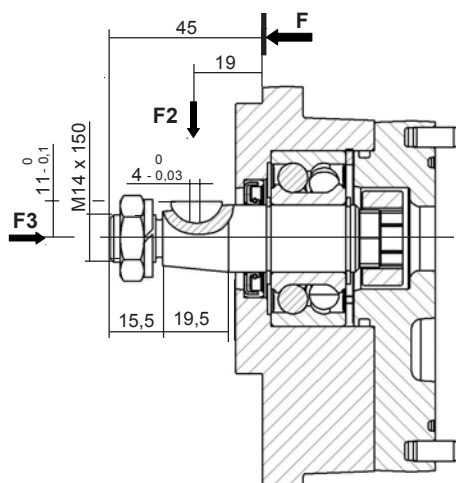
DRIVING SHAFTS

Tapered

10

C07

Taper 1 / 5



Delivered with Nut: K102045

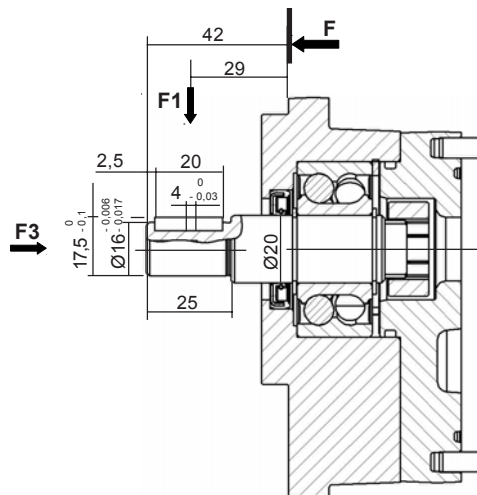
F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Straight keyed

20

C15



F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1347 4/4

Consult us for availability

[home](#)

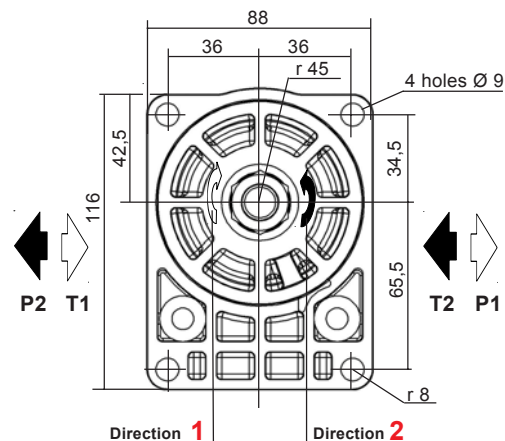
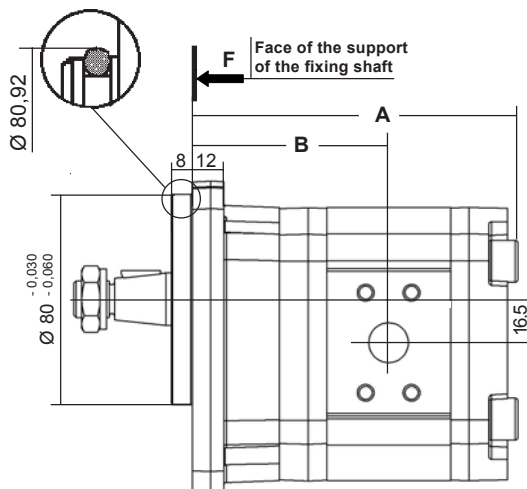
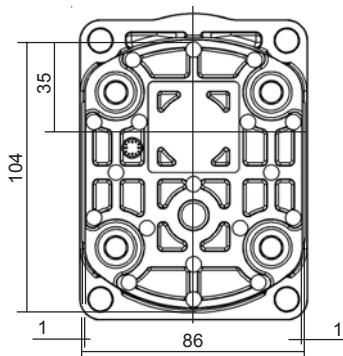
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P II Sign DBR 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0011

CHOICE of the Capacity	Dimensions	
	A	B
004 - 006 - 008 010 - 012	123,5	74,5
014 - 015 - 017 018 - 022	138	82
026 - 030	154	90

Multiples geared pumps, see data sheet F.T 20 1306

Seal kits:

Nitrile: K5073298 + K5069830 + K101517

Viton: K5073299 + K5069830 + K104406

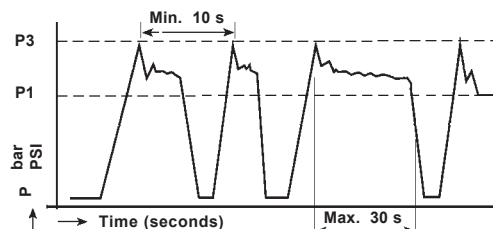
(For the manufacturings from may 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2004	4,65	280	4060	240	3480	3500	6,97	16,2	0,91	8,70	2,7
2006	6,45	280	4060	240	3480	3500	9,67	22,5	1,26	12,07	2,7
2008	8,25	280	4060	240	3480	3500	12,37	28,8	1,62	15,43	2,8
2010	10,12	280	4060	240	3480	3500	15,18	35,3	1,98	18,93	2,8
2012	12	280	4060	240	3480	3500	18	42	2,35	22,45	2,8
2014	13,8	250	3625	210	3045	3500	20,7	48,3	2,71	25,81	3
2015	15,52	250	3625	210	3045	3500	23,25	52,5	3,04	29,03	3,1
2017	17,3	220	3190	190	2755	3500	25,95	60,55	3,39	32,36	3,2
2018	19,12	200	2900	170	2465	3500	28,65	66,8	3,75	35,77	3,3
2022	22,87	175	2537	150	2175	3500	34,2	79,8	4,30	42,78	3,4
2026	27,6	175	2537	150	2175	3000	41,4	82,8	5,16	51,63	3,8
2030	31,2	175	2537	150	2175	3000	46,8	93,6	5,77	58,36	3,9

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

home

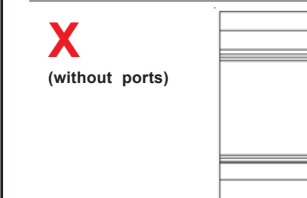
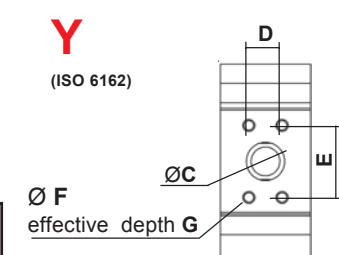
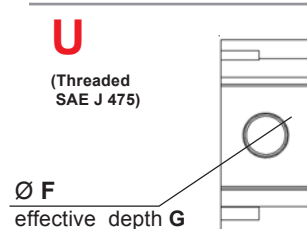
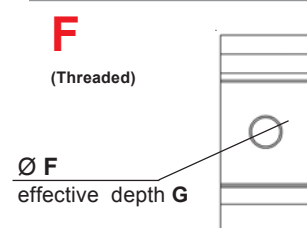
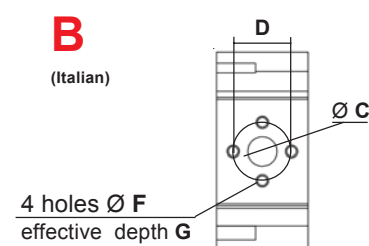
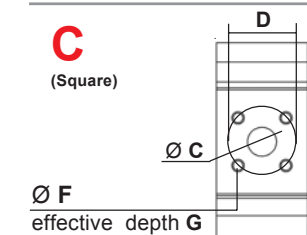
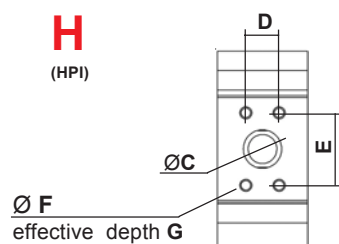
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main dimensions

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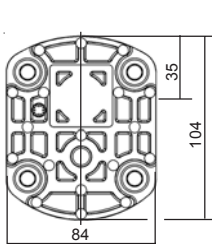
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2004 to 2012												
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504026
2004 to 2012											1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2022				1" BSP	18				1/2" BSP	14		
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2004 to 2030	Only with rear body Type A										Consult us for availability	

REAR BODIES

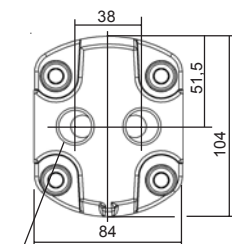
L

Standard



A

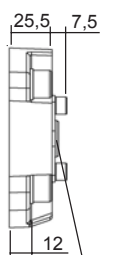
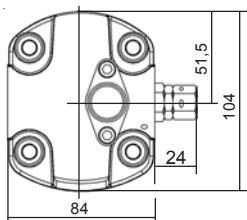
with ports



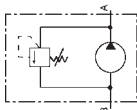
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

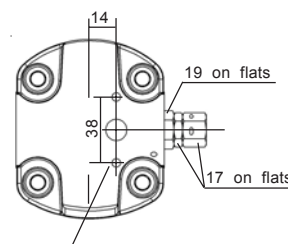


Blank port
connector only
internal return

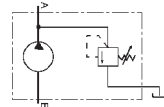


T

High pressure relief valve
(Adjustable) External return

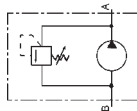
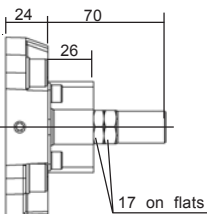
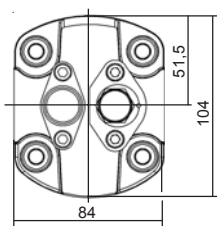


(2x) M6 effective depth 14



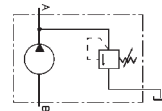
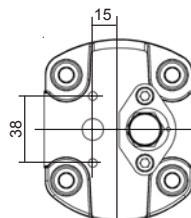
V

Low Pressure relief valve
(Adjustable) Internal return



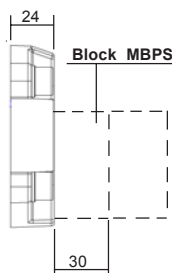
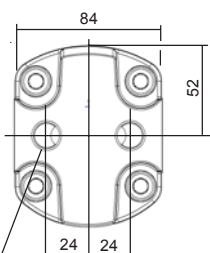
W

Low Pressure relief valve
(Adjustable) External return



AR

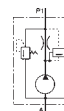
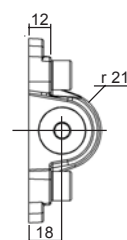
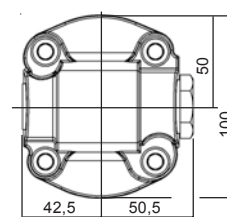
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1349 3/4

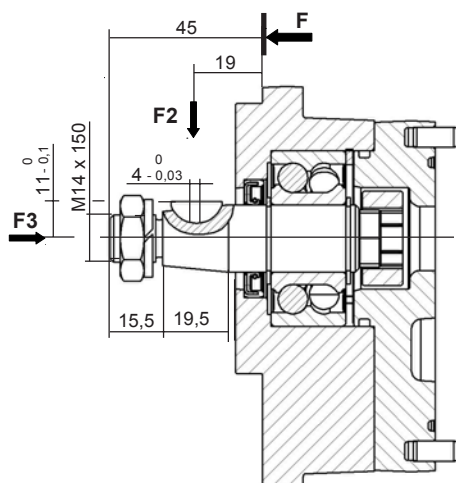
DRIVING SHAFTS

Tapered

10

C07

Taper 1 / 5



Delivered with Nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

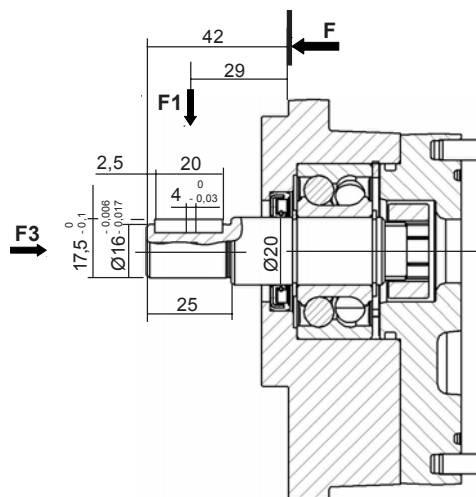
Maxi transmissible torque

50 N.m

Straight keyed

20

C15



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1349 4/4

Consult us for availability

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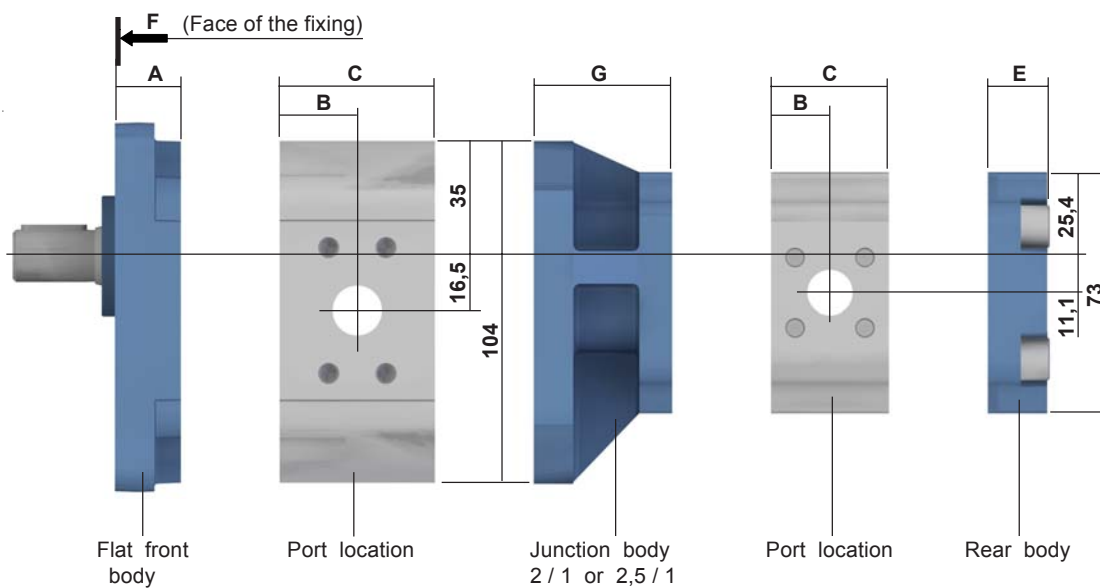
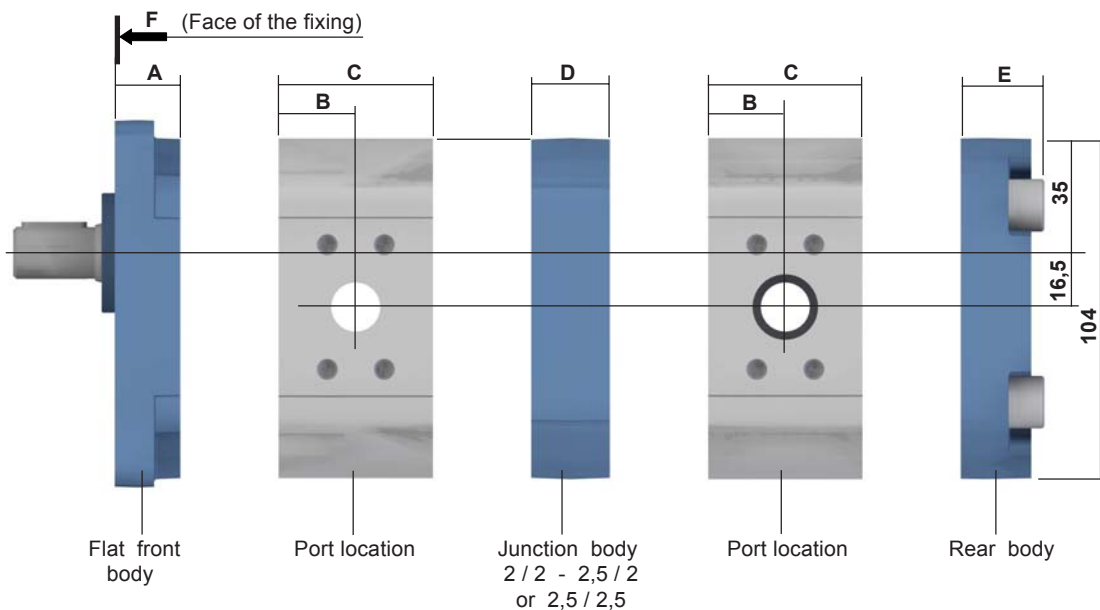
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[main dimensions](#)

PUBLISHING 17 / 03 / 2011

For CODIFICATION, see data sheet **F.T R 0030**



ATTENTION

For common suction.

The flow of the pump, or pumps preceding or following the section including the suction must not exceed **12 l / min.**

NOTA : Versions 2 / 1 are not feasible in **DCN** and **DUK**.

NOTA :
Versions 2 / 1 - 2,5 / 1 only Codes **A - D** and **E**.
Versions 2 / 2 - 2,5 / 2,5 only Codes **A - D** and **X**.

	Capacity	B	C	D	E	G
Series 2 - 2,5	2004 to 2012	23,5	47			
	2014 to 2022	31	61,6	24	25,5	42
	2512					
	2026 - 2030	38,8	77,7			
	2515 to 2522					
Series 1	1001 to 1003	17,9	35,8		18	
	1004 to 1006	22,7	45,6			

	Flat front bodies	A
Series 2 - 2,5	AAN / AAK - APK	20
	BAN - CAN - DBN / DBK	
	AFN	21
	CEN / CEK	22
	DCN / DCK - DUK - DWN	18
	DZK	

Consult us for availability

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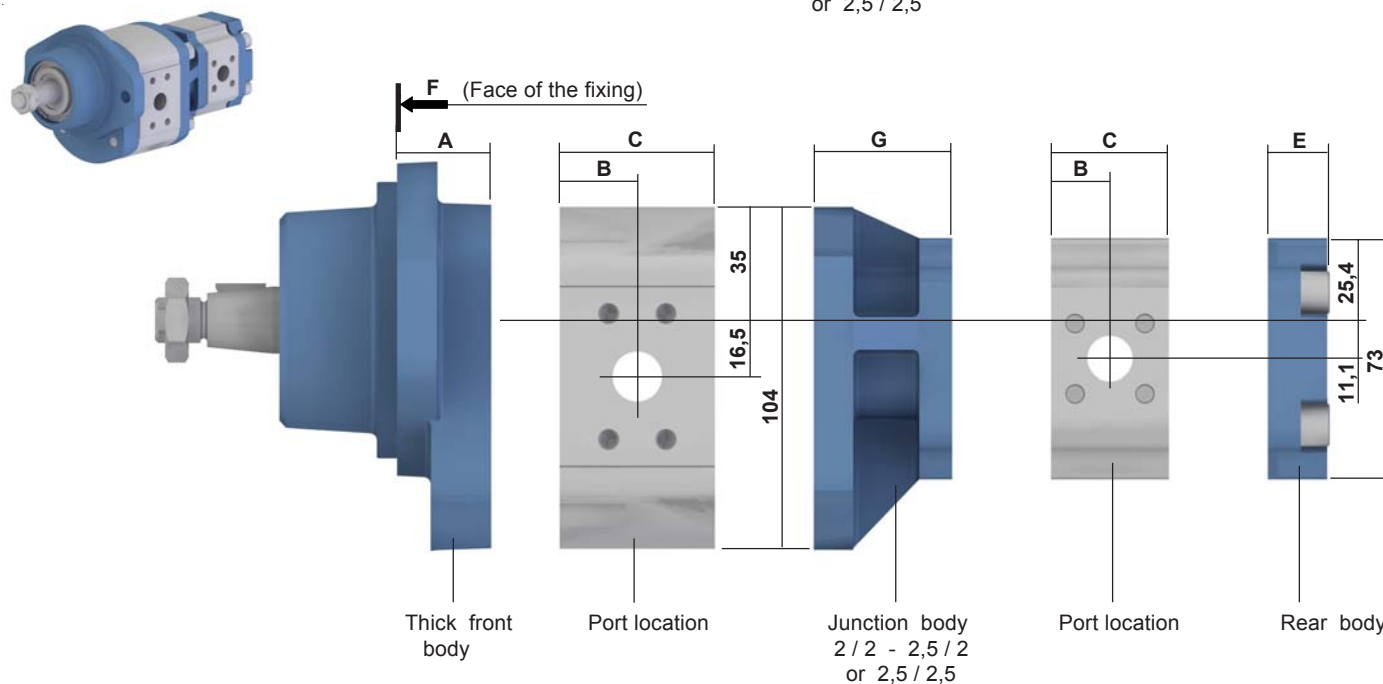
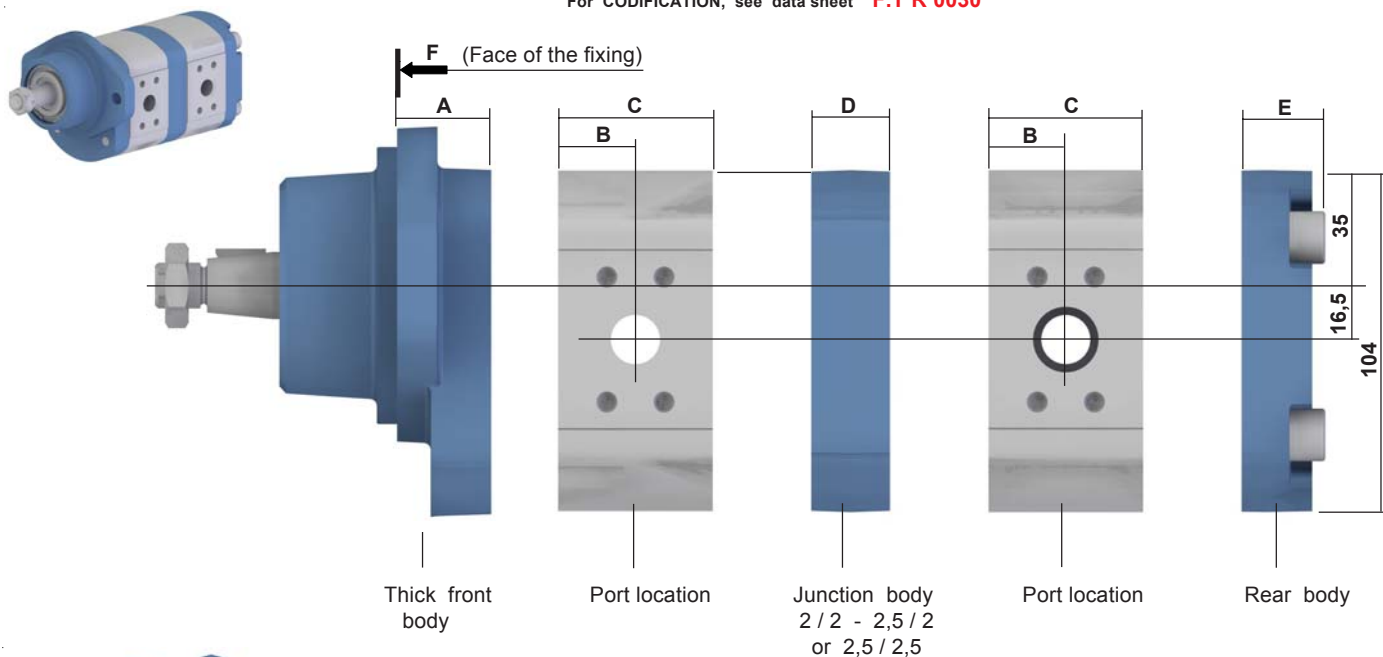
[previous](#)

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[main dimensions](#)

PUBLISHING 02 / 04 / 2013

For CODIFICATION, see data sheet **F.T R 0030**



ATTENTION

For common suctions.

The flow of the pump, or pumps preceding or following the section including the suction must not exceed 12 l / min.

NOTA :

Versions 2 / 1 - 2,5 / 1 only Codes **A - D** and **E**.
Versions 2 / 2 - 2,5 / 2,5 only Codes **A - D** and **X**.

Capacity	B	C	D	E	G
----------	---	---	---	---	---

Series 2 - 2,5	2004 to 2012	23,5	47			
	2014 to 2022	31	61,6	24	25,5	42
	2512					
	2026 - 2030	38,8	77,7			
	2515 to 2522					

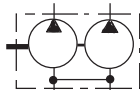
Series 1	1001 to 1003	17,9	35,8		18	
	1004 to 1006	22,7	45,6			

Thick front bodies	A
--------------------	---

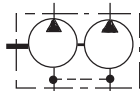
Series 2 - 2,5	AAP / AAR	28
	ARP / ARK	25
	DBP / DBK	51

JUNCTION BODY (Schematic examples for 2 elements pumps)

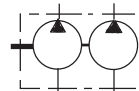
Code A **Communication between suction ports**
(Capacity of the pump without suction $\geq$ half of the capacity of the front section)



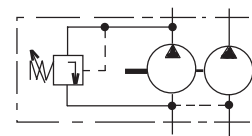
Code D **Independant inlet side (communication of leaks)**
(Oil and tank to be necessarily)



Code E **Tightness between ports**



Code X **Adjustable relief valve internal return in preceding pump**



Possible combinations of junctions up to 5 elements

CALCULATION of the TORQUE

Q Capacity in cc / rev

P Pressure in bar

η_m Mechanical efficiency
(see catalogue **C10**)

Calculation of the torque for one pump body : $\frac{1,59 \times Q \times P}{1000 \times \eta_m} = C \text{ (N.m)}$

Example : P 1 AAK 2015 H A 2008 H L 30 A01 Pressure : 2015 200 bar Speed : 1500 RPM
2008 150 bar

$$\frac{1,59 \times 15 \times 200}{1000 \times 0,87} = 5,48 \text{ N.m}$$

$$\frac{1,59 \times 8 \times 150}{1000 \times 0,87} = 2,19 \text{ N.m}$$

$$= \boxed{7,67 \text{ N.m}} \rightarrow \text{Total torque}$$



Data sheet

PUMPS PRESENTATION SERIES 2 and 2,5

F.T 20 1299

- FLAT FRONT BODIES

PUMP **AAAN**



F.T 25 1307

PUMP **AAK**



F.T 25 1334

PUMP **AFN**



F.T 25 1367

PUMP **APK**



F.T 25 1369

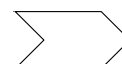
PUMP **BAN**



F.T 25 1308



Consult us for availability



- FLAT FRONT BODIES (rest)

PUMP

CAN



Data sheet

F.T 25 1309

PUMP

CEN



Data sheet

F.T 25 1310

PUMP

CEK



Data sheet

F.T 25 1361

PUMP

DBN



Data sheet

F.T 25 1311

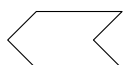
PUMP

DBK

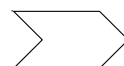


Data sheet

F.T 25 1335



Consult us for availability



- FLAT FRONT BODIES (rest)

PUMP

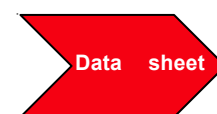
DCN



F.T 25 1312

PUMP

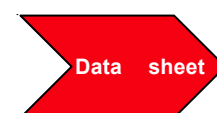
DCK



F.T 25 1336

PUMP

DUK



F.T 25 1338

PUMP

DWN



F.T 25 1337

PUMP

DZK

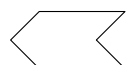


F.T 25 1363



F.T 20 1306

MULTIPLES
PUMPS

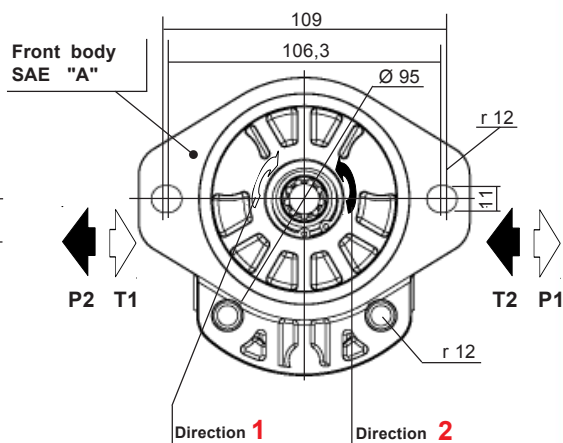
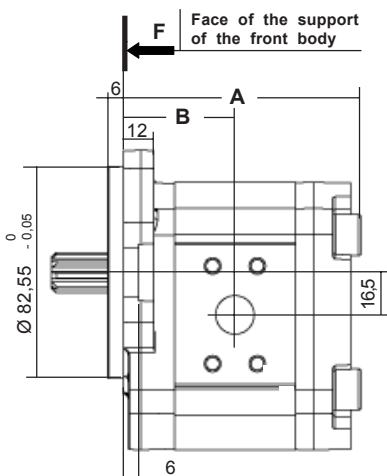
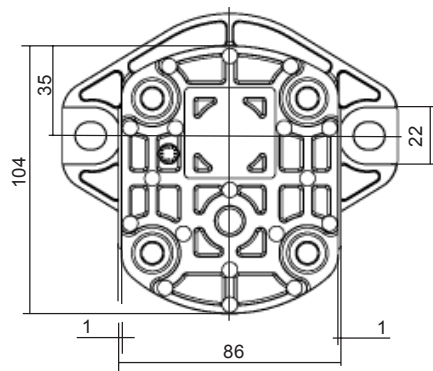


Consult us for availability



P **II** **AA** **N** **2 5** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

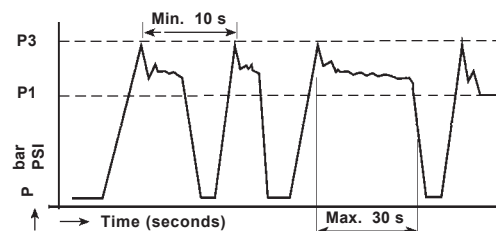
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1307 1/4

Consult us for availability

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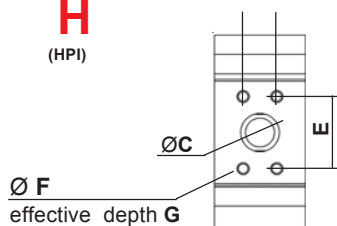
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PUBLISHING 12 / 07 / 2010

HYDRAULIC GEAR PUMPS SERIES 2,5

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

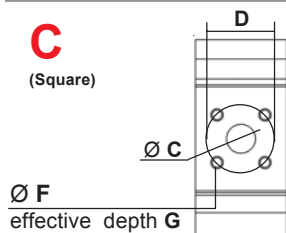
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

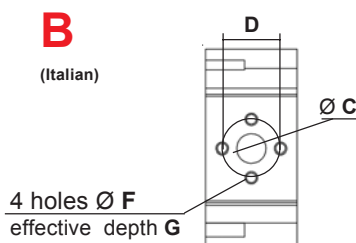
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

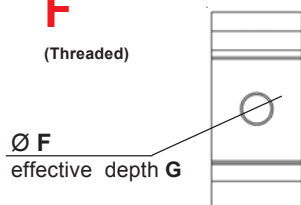
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

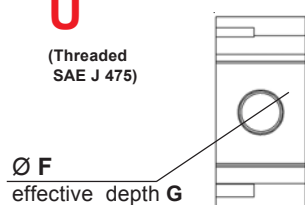
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

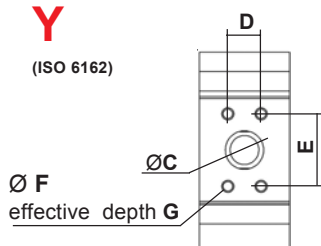
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

Only with rear body Type A

Consult us for availability

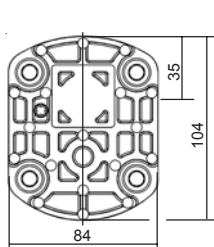
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1307 2/4

REAR BODIES

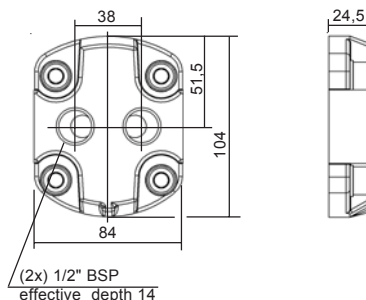
L

Standard



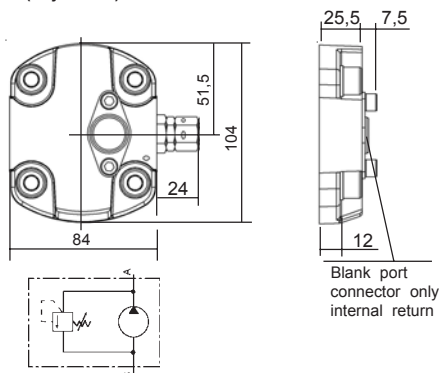
A

with ports



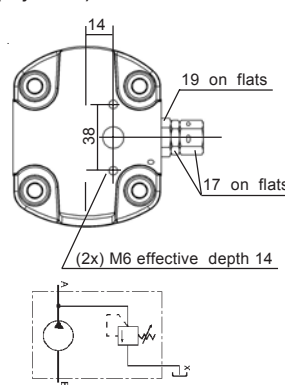
X

High pressure relief valve
(Adjustable) Internal return



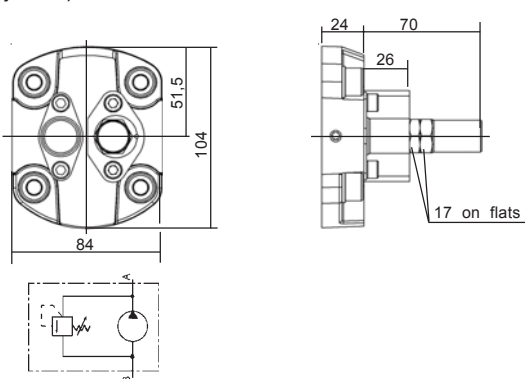
T

High pressure relief valve
(Adjustable) External return



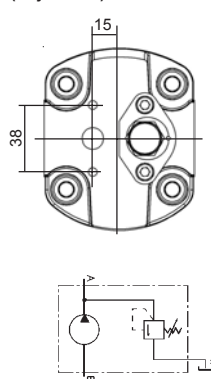
V

Low Pressure relief valve
(Adjustable) Internal return



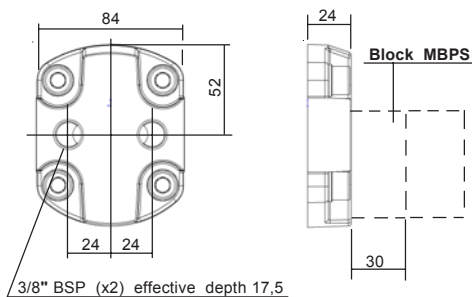
W

Low Pressure relief valve
(Adjustable) External return



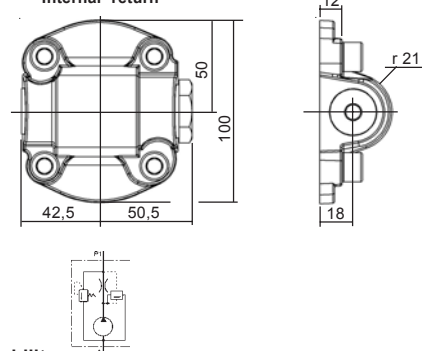
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1307 3/4

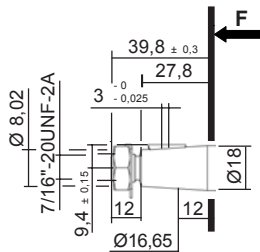
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8



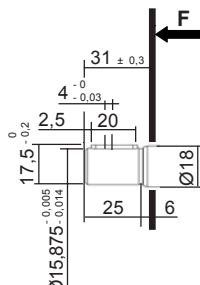
Delivered with nut: K100841

Maxi transmissible torque
250 N.m

Straight keyed

20

A01

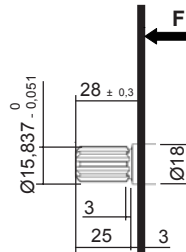


Maxi transmissible torque
50 N.m

Splined

30

A01



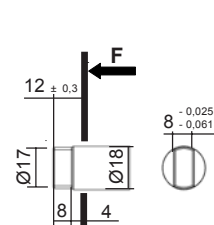
Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

Tang

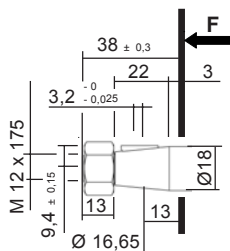
40

C03



Maxi transmissible torque
70 N.m

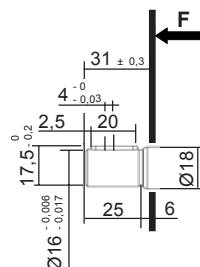
C02 Cône 1 / 5



Delivered with nut: K106317

Maxi transmissible torque
220 N.m

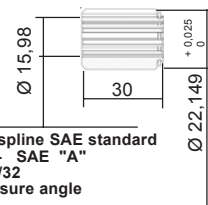
C02



Maxi transmissible torque
50 N.m

Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310

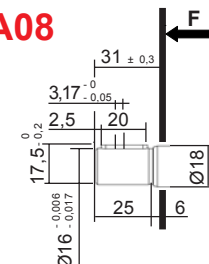
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

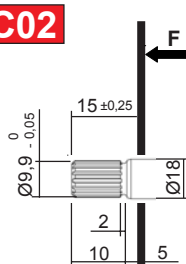
Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

A08



Maxi transmissible torque
50 N.m

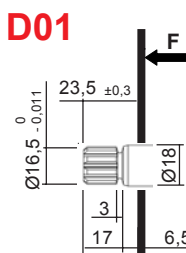
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

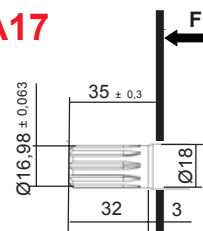
D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

A17



Involute spline SAE Standard
12 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

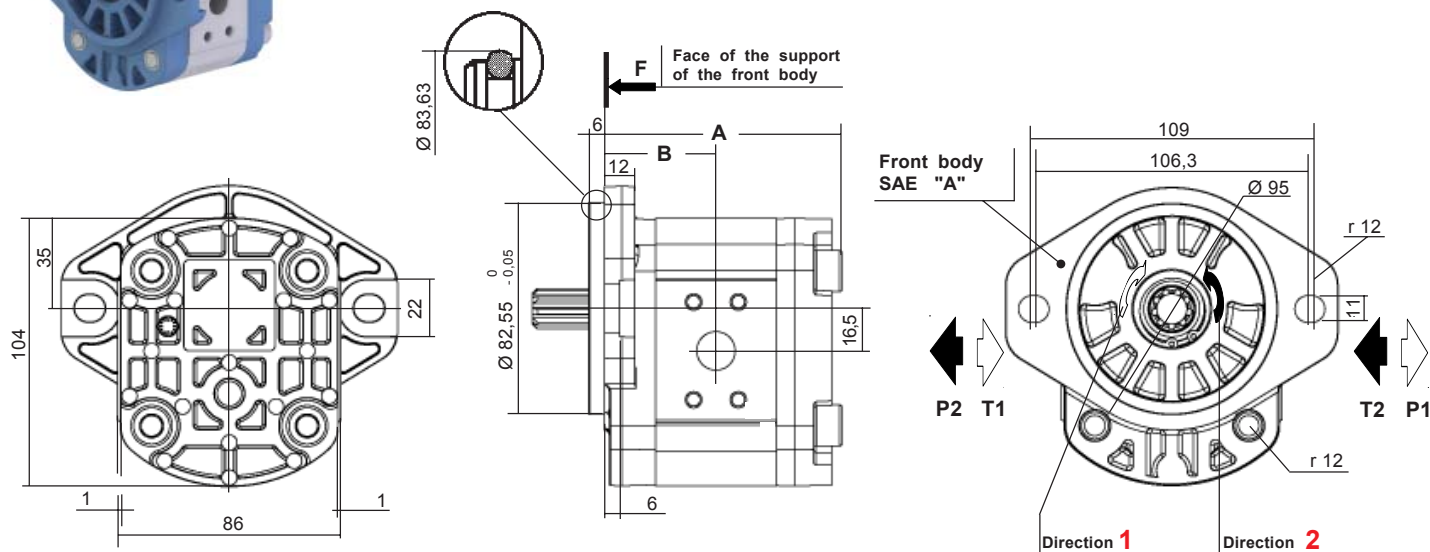
Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1307 4/4



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

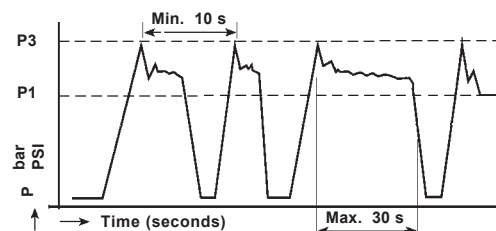
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

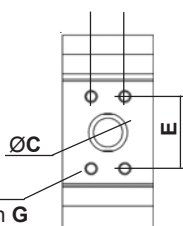
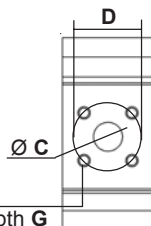
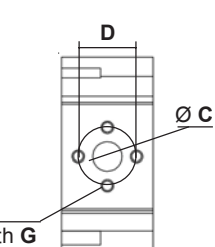
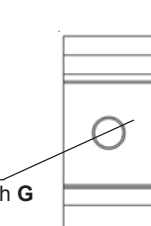
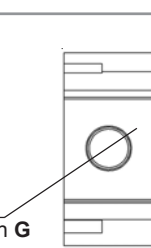
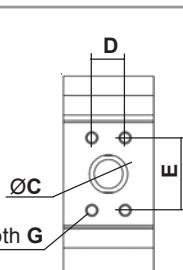
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
												INLET (T)	OUTLET (P)
		ØC	D	E	ØF	G	ØC	D	E	ØF	G		
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
	2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
	2514 2515 2517 2518 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A										 Consult us for availability	

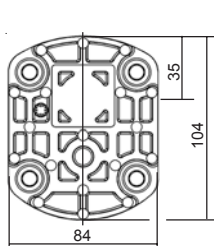
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1334 2/4

REAR BODIES

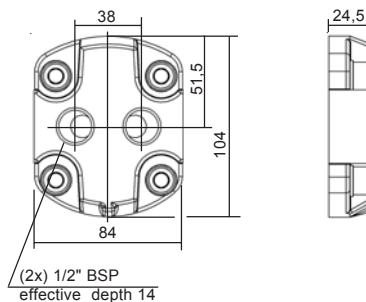
L

Standard



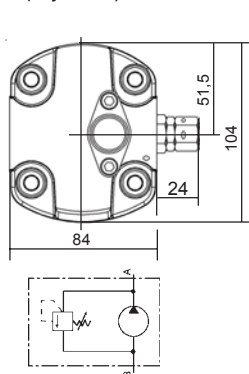
A

with ports



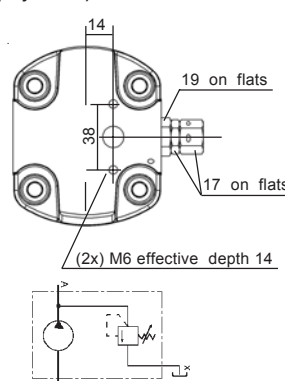
X

High pressure relief valve
(Adjustable) Internal return



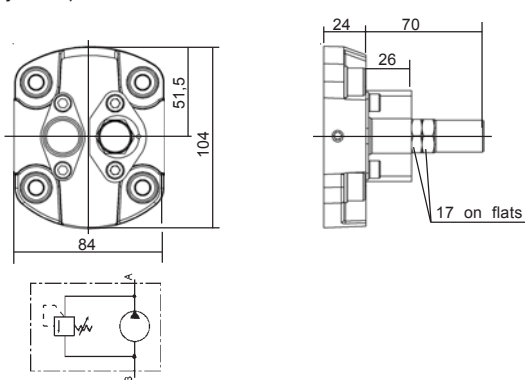
T

High pressure relief valve
(Adjustable) External return



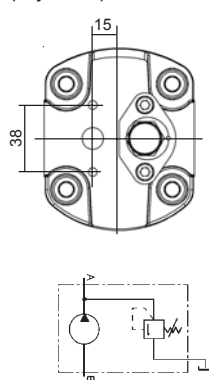
V

Low Pressure relief valve
(Adjustable) Internal return



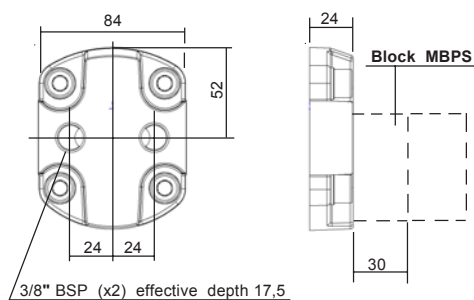
W

Low Pressure relief valve
(Adjustable) External return



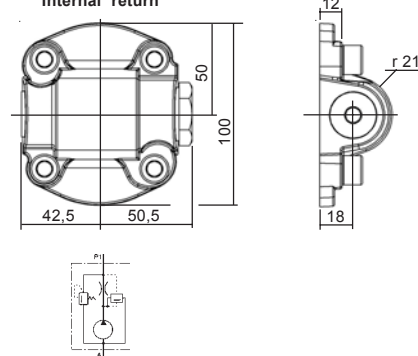
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1334 3/4

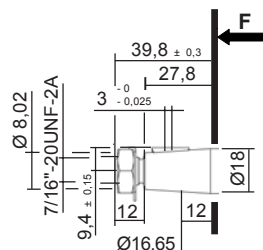
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

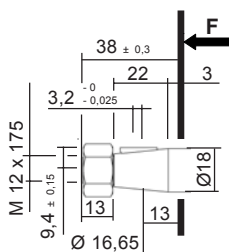


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

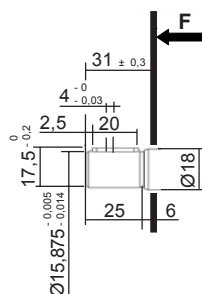
Maxi transmissible torque

220 N.m

Straight keyed

20

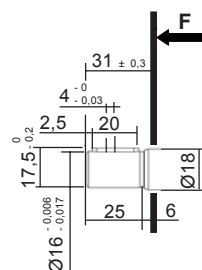
A01



Maxi transmissible torque

50 N.m

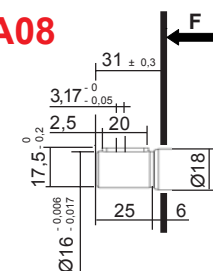
C02



Maxi transmissible torque

50 N.m

A08



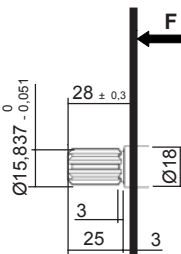
Maxi transmissible torque

50 N.m

Splined

30

A01

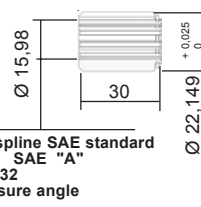


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

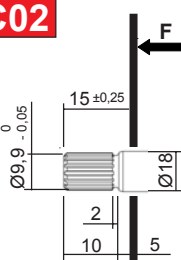
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

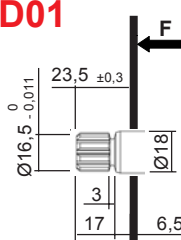


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

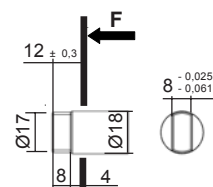
Maxi transmissible torque

100 N.m

Tang

40

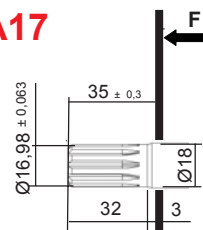
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

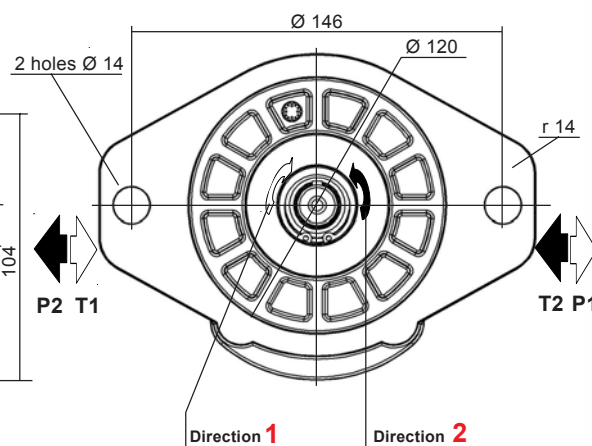
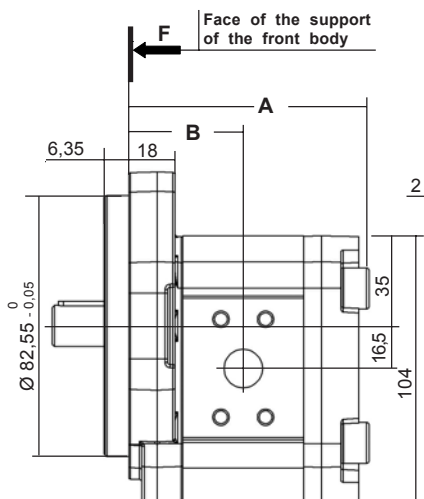
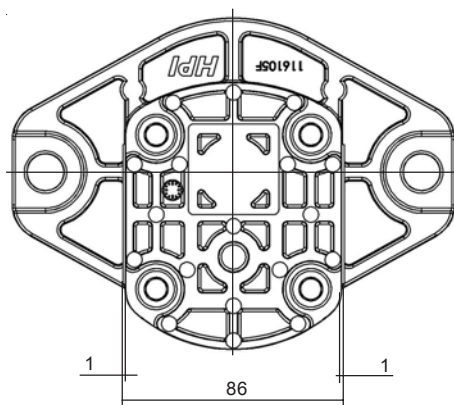
F.T 25 1334 4/4

Consult us for availability



P **II** Sign **AF** **N** **2 5** **VI** Sign **H** **L** **IX** Sign **X** Sign **XI** Sign **XII** Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	108	52
15 - 17 - 18 - 22	124	60

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

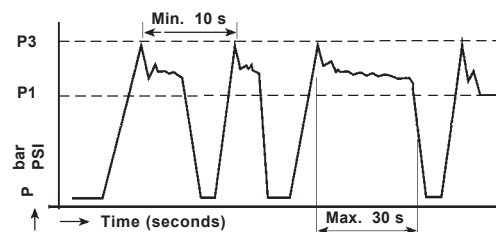
(For the manufacturings from January 1984)

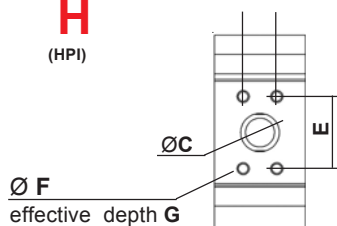
MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

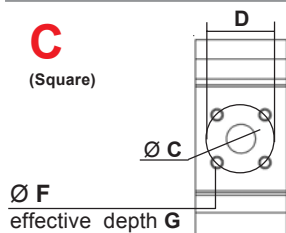
INLET (T)					OUTLET (P)				
ØC	D	E	ØF	G	ØC	D	E	ØF	G
26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

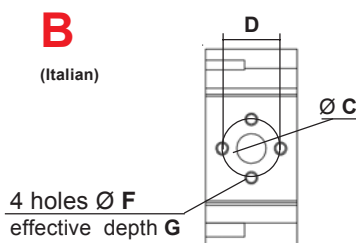
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20	40		M6	12	15	35		M6	12
----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

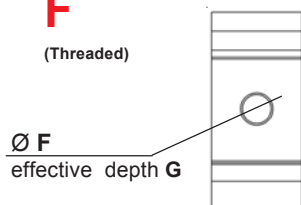
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

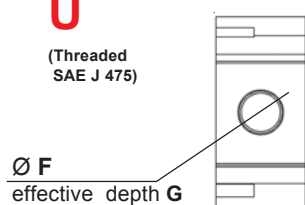
23,5	40		M8	13	15	30		M6	13
------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

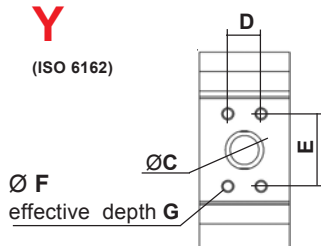
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

			1" Gaz	18				1/2" Gaz	14
--	--	--	--------	----	--	--	--	----------	----

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

			1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
			1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26	47,6	22,4	M10	14	15	17,4	38	M8	14
26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

Only with rear body Type A

Consult us for availability

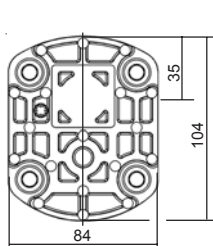
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1367 2/4

REAR BODIES

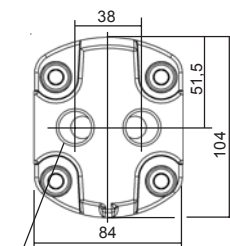
L

Standard



A

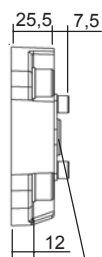
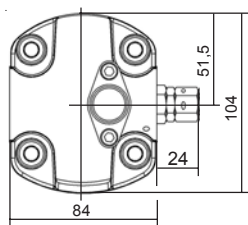
with ports



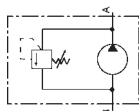
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

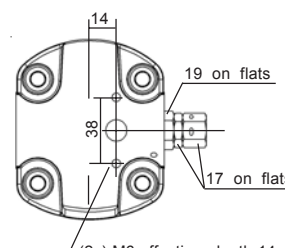


Blank port
connector only
internal return

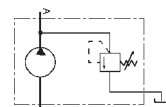


T

High pressure relief valve
(Adjustable) External return

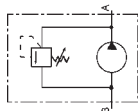
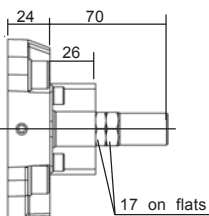
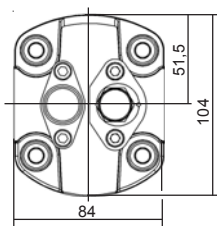


(2x) M6 effective depth 14



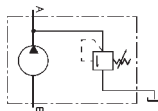
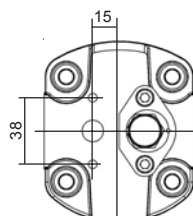
V

Low Pressure relief valve
(Adjustable) Internal return



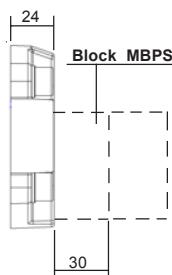
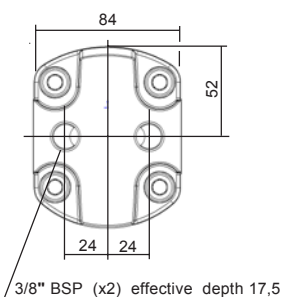
W

Low Pressure relief valve
(Adjustable) External return



AR

with block configuration MBPS

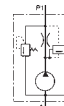
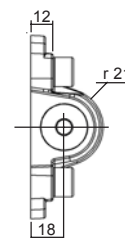
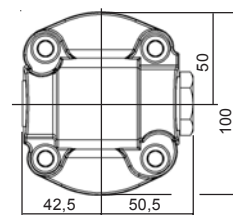


3/8" BSP (x2) effective depth 17,5

Block MBPS

Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1367 3/4

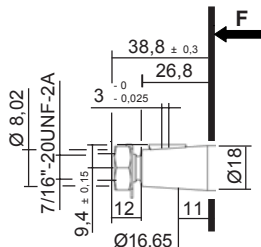
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

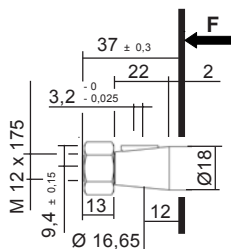


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

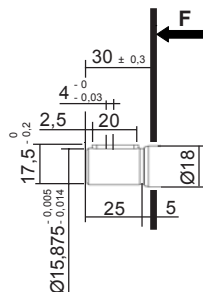
Maxi transmissible torque

220 N.m

Straight keyed

20

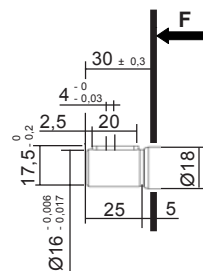
A01



Maxi transmissible torque

50 N.m

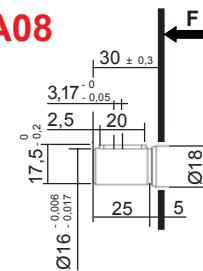
C02



Maxi transmissible torque

50 N.m

A08



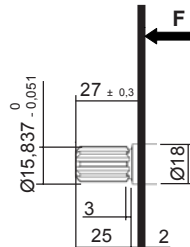
Maxi transmissible torque

50 N.m

Splined

30

A01

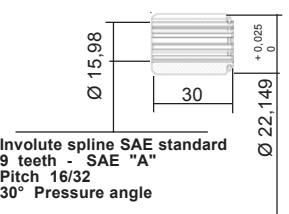


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

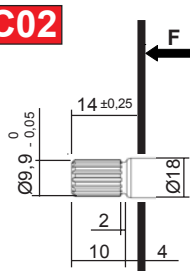
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

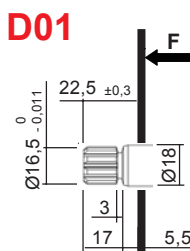


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

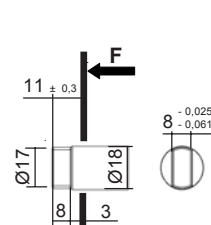
Maxi transmissible torque

100 N.m

Tang

40

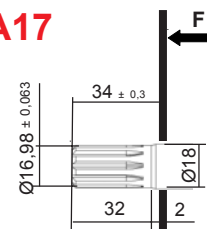
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

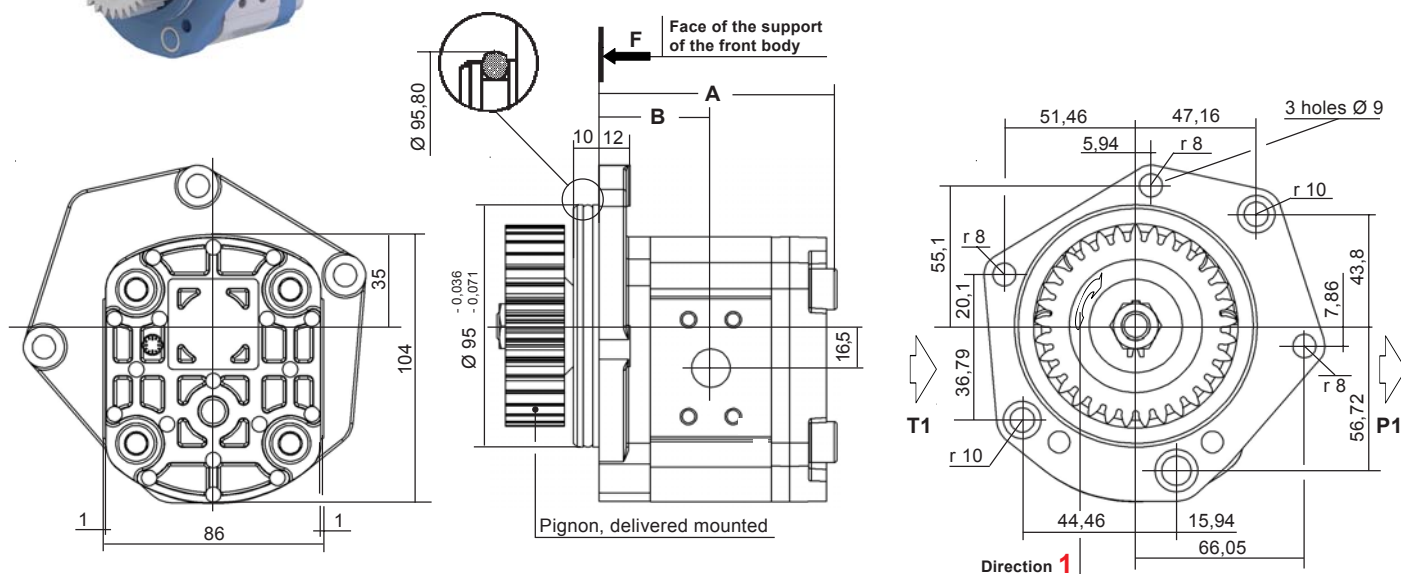
Maxi transmissible torque

100 N.m

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the PIGNONS

	Type 1000	Type 1100
Nb teeth:	28	33
Module:	2,54	2,17
Pressure angle:	20°	17°
Angle of the helix:	14°8'	14°
Way of the helix:	left	left

CHOICE of the Capacity	Dimensions	
	A	B

12	107	51
15 - 17 - 18 - 22	123	59

Multiples geared pumps,
see data sheet **F.T 20 1306**

Seal kits:

Nitrile: K5069810 + X368928

Viton: **K5069820**

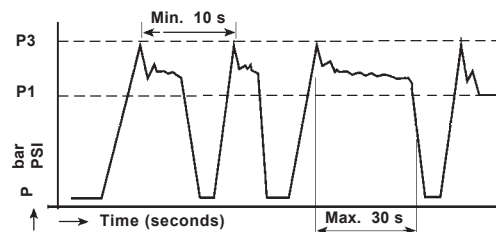
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.

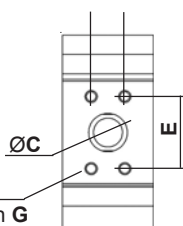
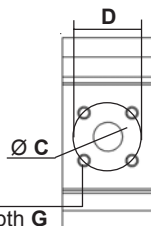
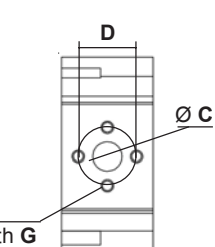
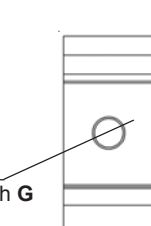
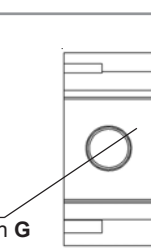
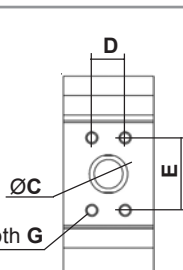


Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1369 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A											

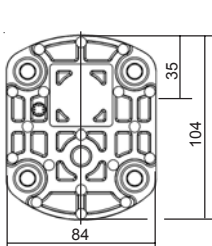
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1369 2/4
 Consult us for availability

REAR BODIES

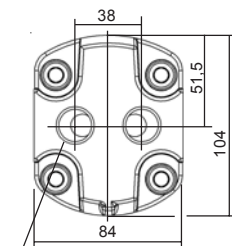
L

Standard



A

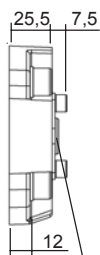
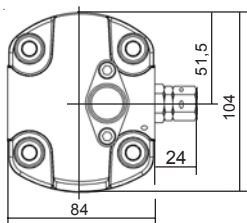
with ports



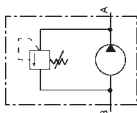
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

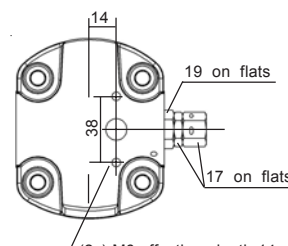


Blank port
connector only
internal return

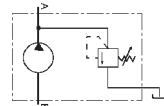


T

High pressure relief valve
(Adjustable) External return

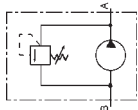
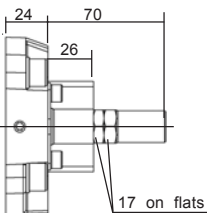
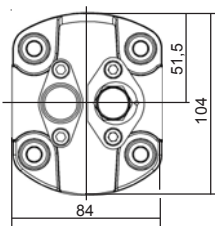


(2x) M6 effective depth 14



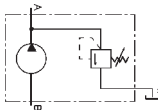
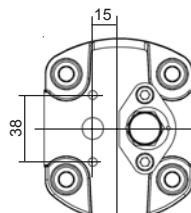
V

Low Pressure relief valve
(Adjustable) Internal return



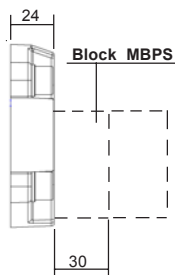
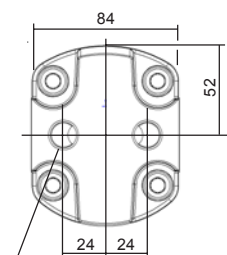
W

Low Pressure relief valve
(Adjustable) External return



AR

with block configuration MBPS

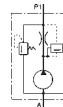
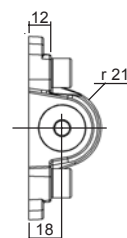
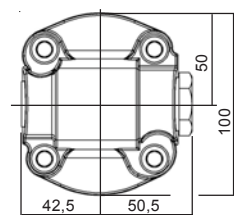


3/8" BSP (x2) effective depth 17,5

Block MBPS

Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1369 3/4

Consult us for availability

DRIVING SHAFT

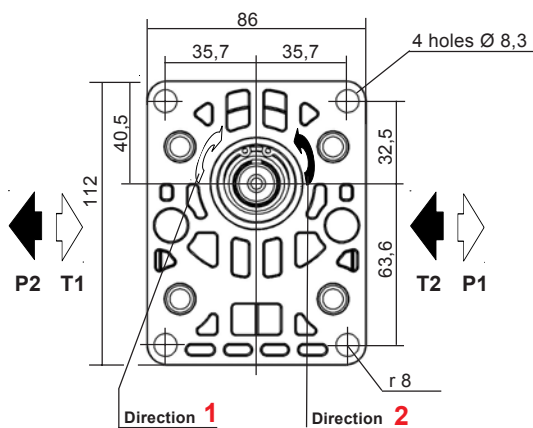
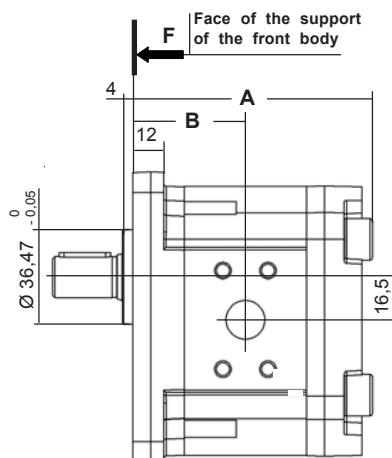
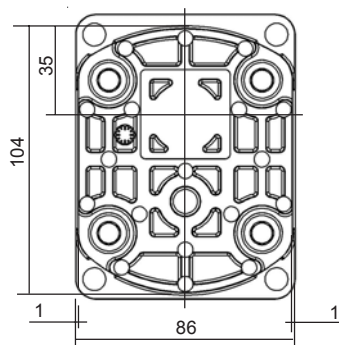
Tapered	Straight keyed	Splined	Tang
10	20	30	40
B02 Taper 1 / 8			

Dimensions readings and approximative characteristics subject to modifications.

 Consult us for availability

P II Sign **BAN** **25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B

12	107	51
15 - 17 - 18 - 22	123	59

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

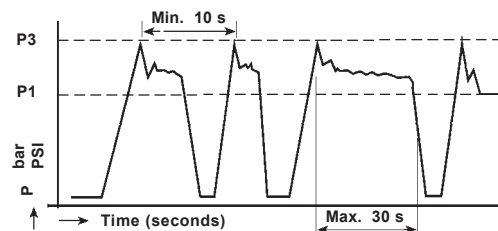
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1308 1/4



Consult us for availability

home

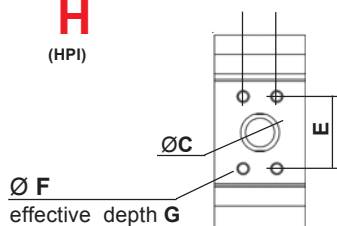
contents

previous

next

main dimensions

PUBLISHING 12 / 07 / 2010

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

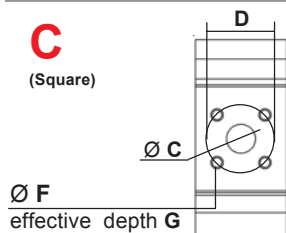
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

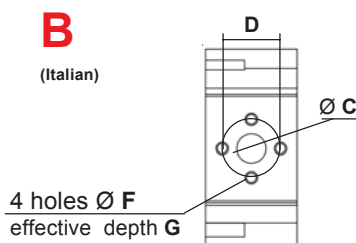
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

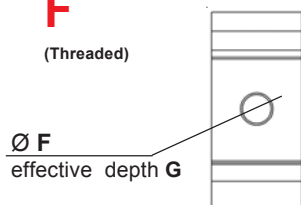
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

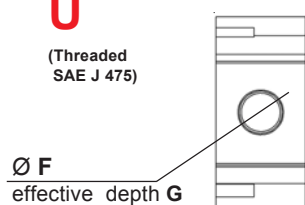
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

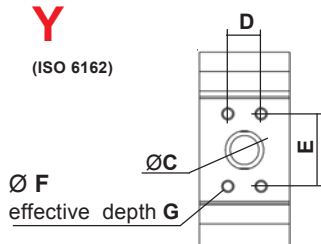
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

Only with rear body Type A

Consult us for availability

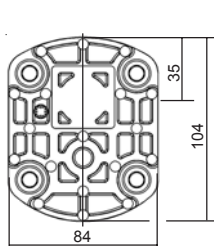
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

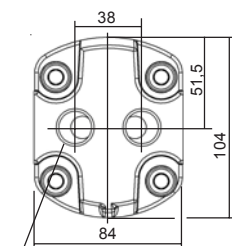
L

Standard



A

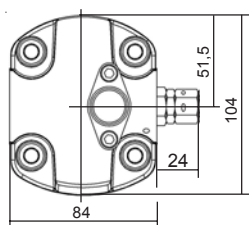
with ports



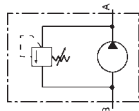
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

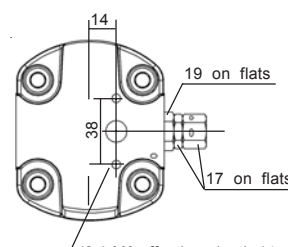


Blank port
connector only
internal return

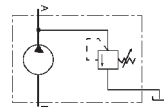


T

High pressure relief valve
(Adjustable) External return

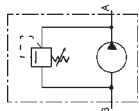
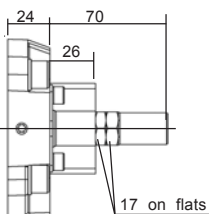
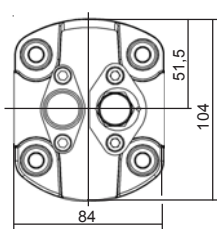


(2x) M6 effective depth 14



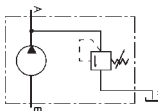
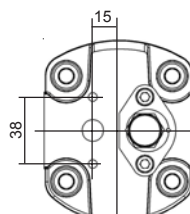
V

Low Pressure relief valve
(Adjustable) Internal return



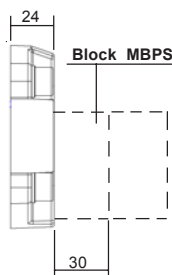
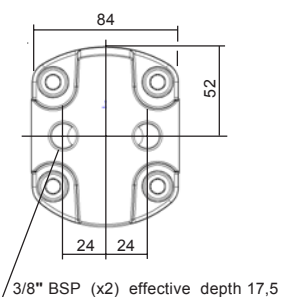
W

Low Pressure relief valve
(Adjustable) External return



AR

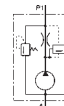
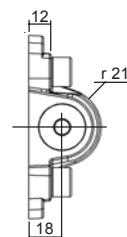
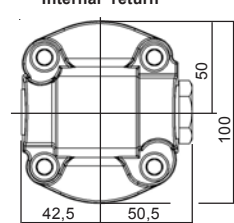
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

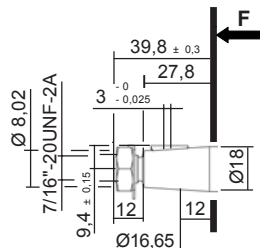
F.T 25 1308 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

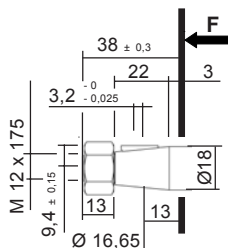


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

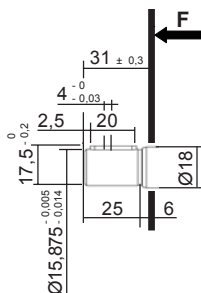
Maxi transmissible torque

220 N.m

Straight keyed

20

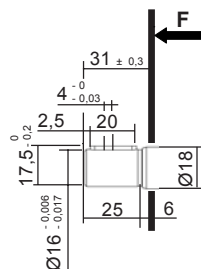
A01



Maxi transmissible torque

50 N.m

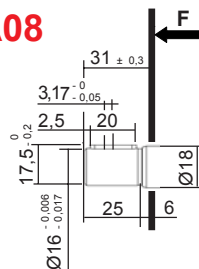
C02



Maxi transmissible torque

50 N.m

A08



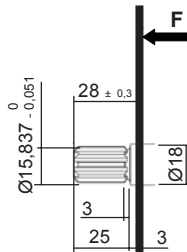
Maxi transmissible torque

50 N.m

Splined

30

A01

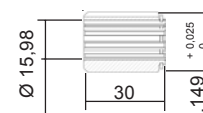


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

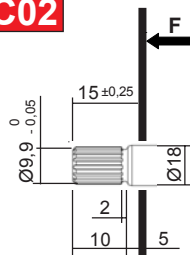
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

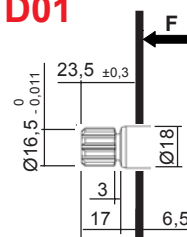


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

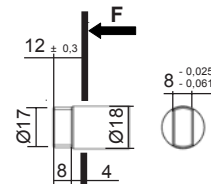
Maxi transmissible torque

100 N.m

Tang

40

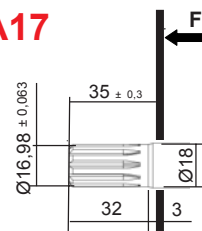
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

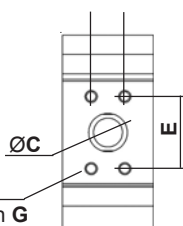
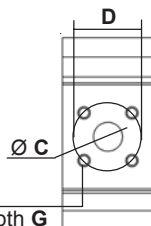
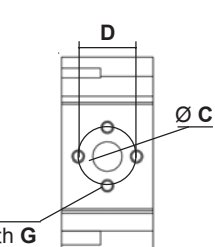
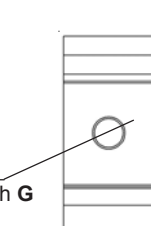
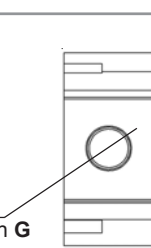
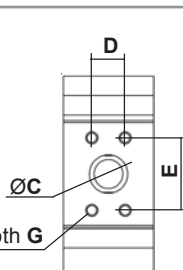
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1308 4/4

Consult us for availability

201 / 00

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
												INLET (T)	OUTLET (P)
		ØC	D	E	ØF	G	ØC	D	E	ØF	G		
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A										 Consult us for availability	

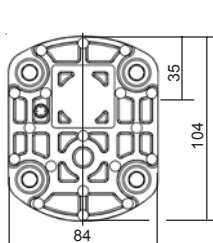
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1309 2/4

REAR BODIES

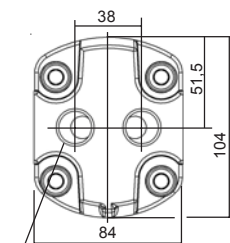
L

Standard



A

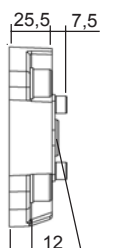
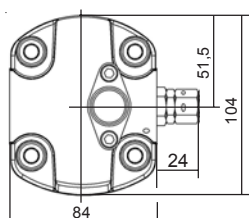
with ports



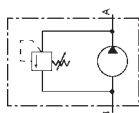
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

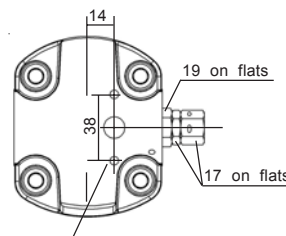


Blank port
connector only
internal return

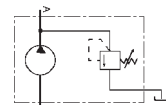


T

High pressure relief valve
(Adjustable) External return

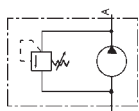
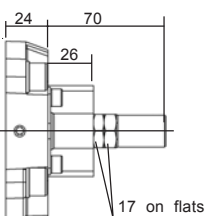
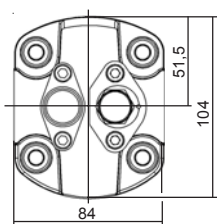


(2x) M6 effective depth 14



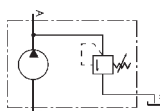
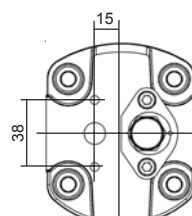
V

Low Pressure relief valve
(Adjustable) Internal return



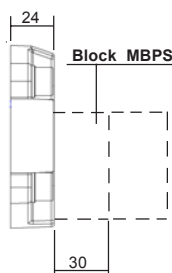
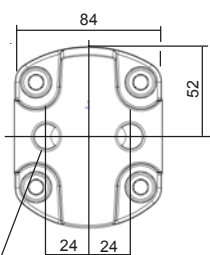
W

Low Pressure relief valve
(Adjustable) External return



AR

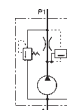
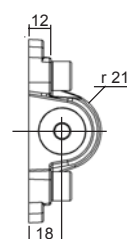
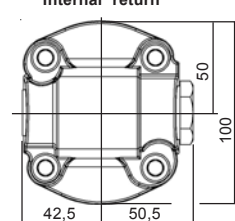
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



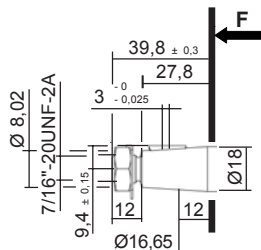
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

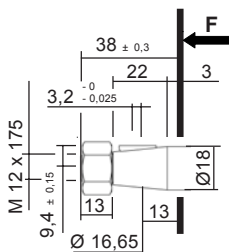


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

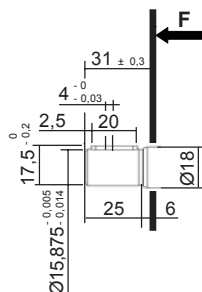
Maxi transmissible torque

220 N.m

Straight keyed

20

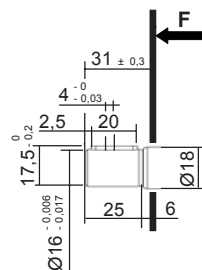
A01



Maxi transmissible torque

50 N.m

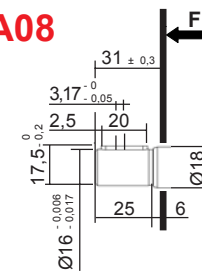
C02



Maxi transmissible torque

50 N.m

A08



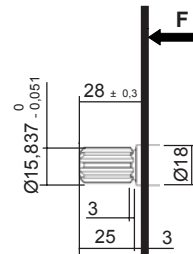
Maxi transmissible torque

50 N.m

Splined

30

A01

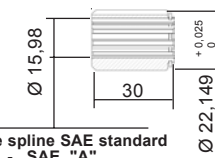


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

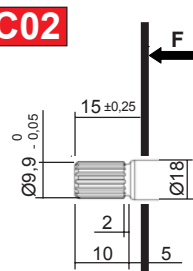
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splined shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

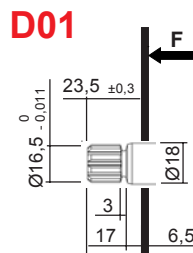


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

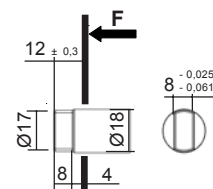
Maxi transmissible torque

100 N.m

Tang

40

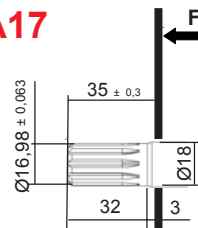
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

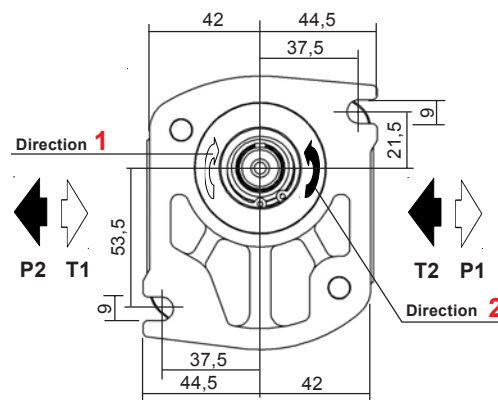
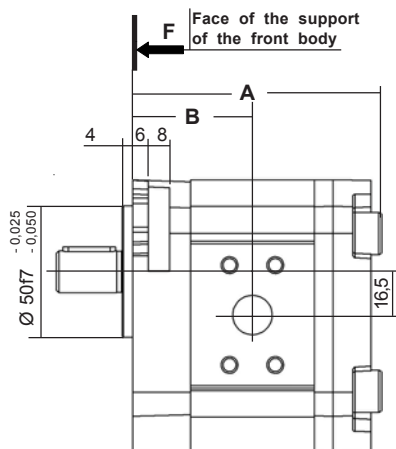
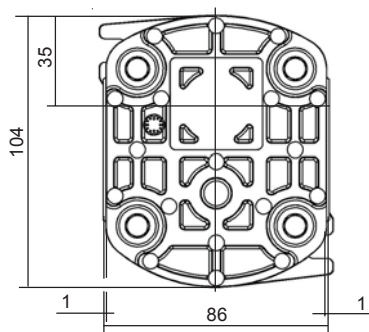
F.T 25 1309 3/4



Consult us for availability

P **II** **CE** **N** **25** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	108	52
15 - 17 - 18 - 22	124	60

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

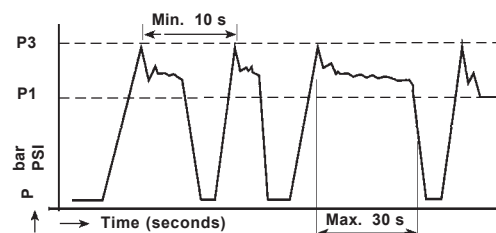
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

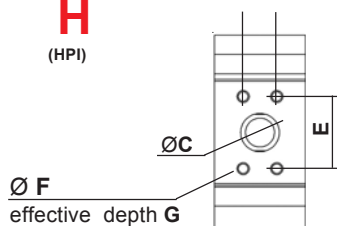
P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1310 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

Capacity
INLET (T)

ØC D E ØF G

26 47,6 22,4 M6 12
15 17,4 38 M6 12

OUTLET (P)

ØC D E ØF G

15 17,4 38 M6 12

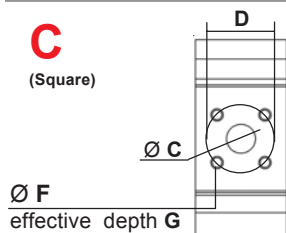
CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T)

1 " BSP
N: 2.500496
V: 2.504117

OUTLET (P)

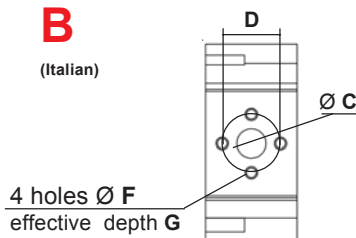
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20 40 M6 12
15 35 M6 12

3 / 4 " BSP
N: 367141.503

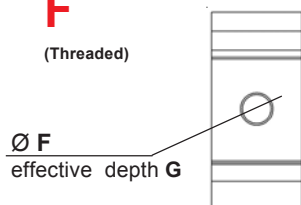
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

23,5 40 M8 13
15 30 M6 13

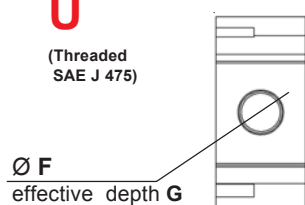
1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

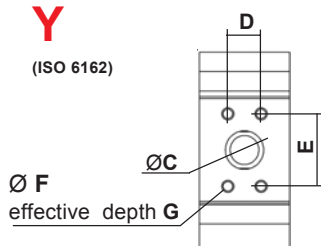
1" Gaz 18

1/2" Gaz 14

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

1"5/16 12 UNF 2B 20
1"5/16 12 UNF 2B 20

7/8" 14 UNF 2B 17
1"1/16 12 UNF 2B 20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26 47,6 22,4 M10 14
26 52,4 26,2 M10 14

15 17,4 38 M8 14
15 17,4 38 M8 14

X
(without ports)

2512
2514
2515
2517
2518
2522

Only with rear body Type A

Consult us for availability

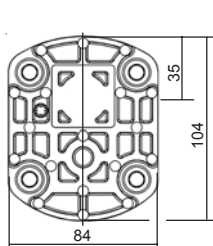
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1310 2/4

REAR BODIES

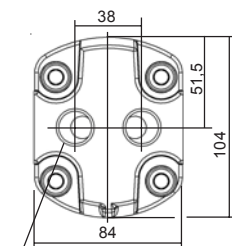
L

Standard



A

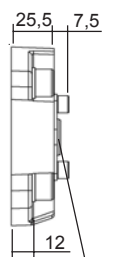
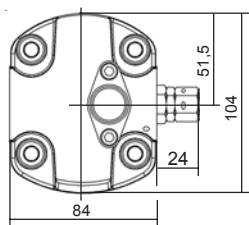
with ports



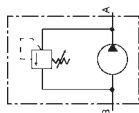
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

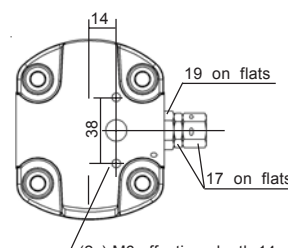


Blank port
connector only
internal return

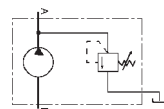


T

High pressure relief valve
(Adjustable) External return

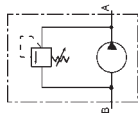
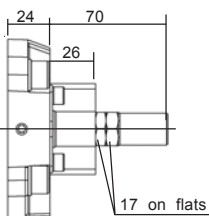
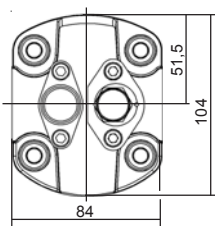


(2x) M6 effective depth 14



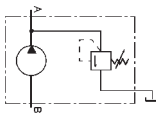
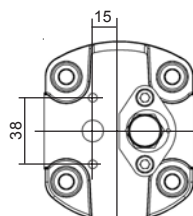
V

Low Pressure relief valve
(Adjustable) Internal return



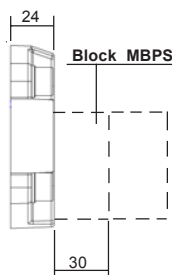
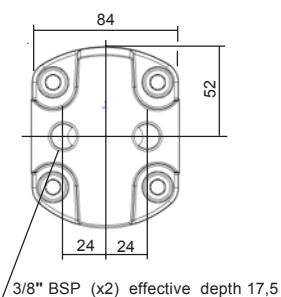
W

Low Pressure relief valve
(Adjustable) External return



AR

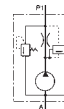
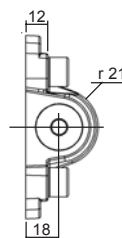
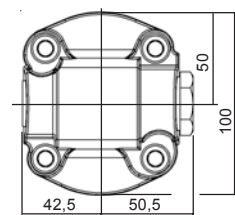
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

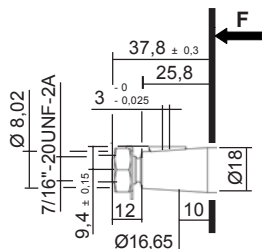
F.T 25 1310 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

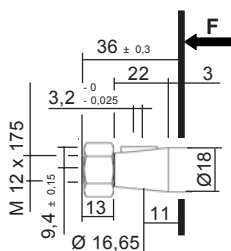


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

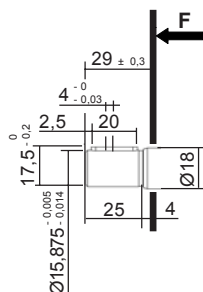
Maxi transmissible torque

220 N.m

Straight keyed

20

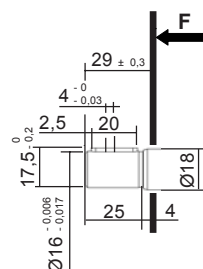
A01



Maxi transmissible torque

50 N.m

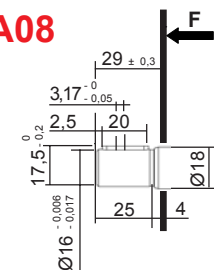
C02



Maxi transmissible torque

50 N.m

A08



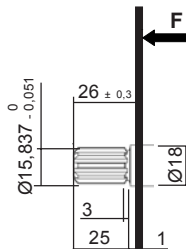
Maxi transmissible torque

50 N.m

Splined

30

A01

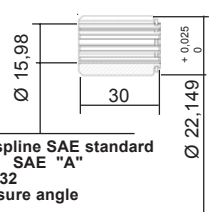


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

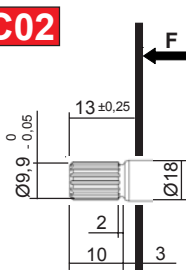
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

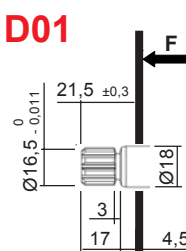


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

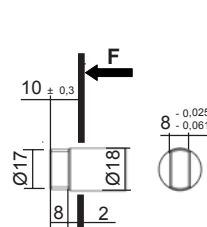
Maxi transmissible torque

100 N.m

Tang

40

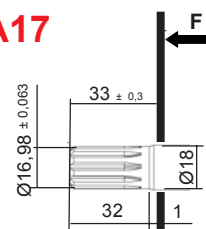
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

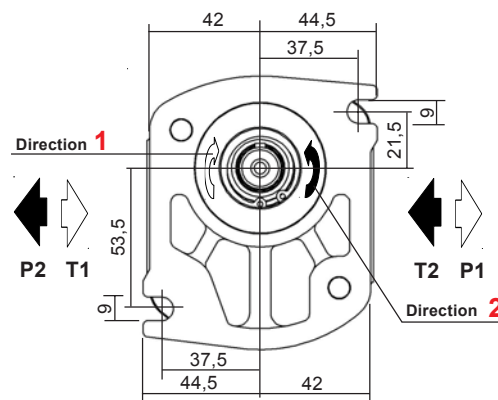
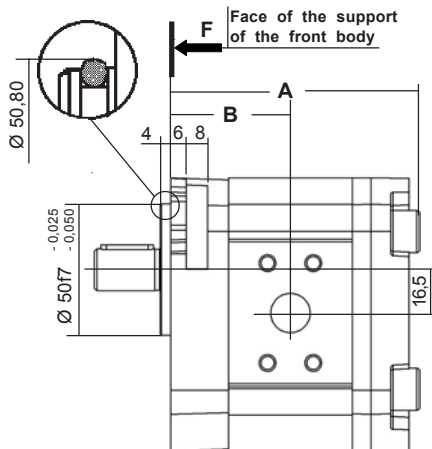
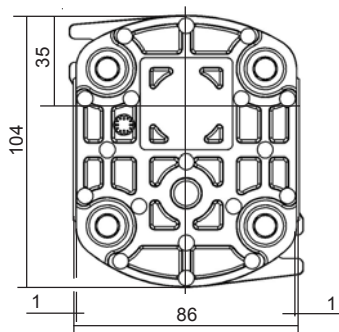
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1310 3/4

Consult us for availability

P II Sign CE K 2 5 VI Sign H L IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0011



CHOICE of the Capacity	Dimensions	
	A	B
12	108	52
15 - 17 - 18 - 22	124	60

Multiples geared pumps, see data sheet F.T 20 1306

Seal kits:

Nitrile: K5069810 + K102238

Viton: K5069820

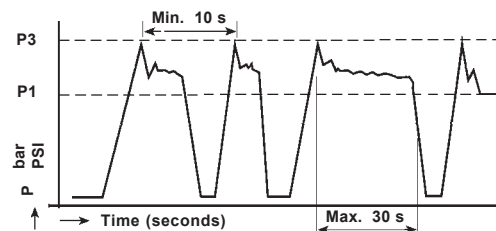
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1361 1/4

Consult us for availability

home

contents

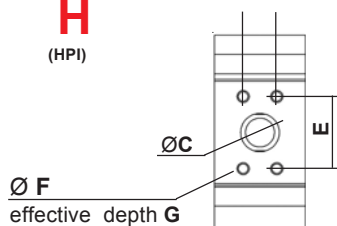
previous

next

main dimensions

PUBLISHING 12 / 07 / 2010

HYDRAULIC GEAR PUMPS SERIES 2,5

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

Capacity
INLET (T)

ØC D E ØF G

26 47,6 22,4 M6 12
15 17,4 38 M6 12

OUTLET (P)

ØC D E ØF G

15 17,4 38 M6 12

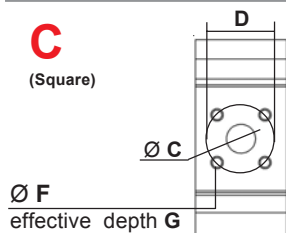
CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T)

1 " BSP
N: 2.500496
V: 2.504117

OUTLET (P)

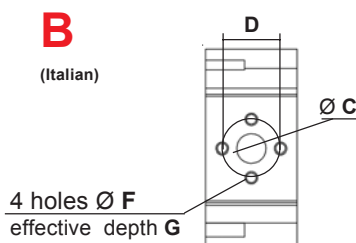
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20 40 M6 12
15 35 M6 12

3 / 4 " BSP
N: 367141.503

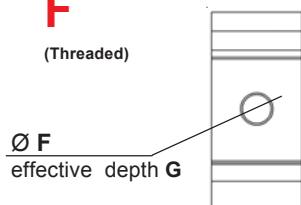
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

23,5 40 M8 13
15 30 M6 13

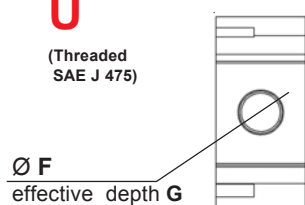
1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

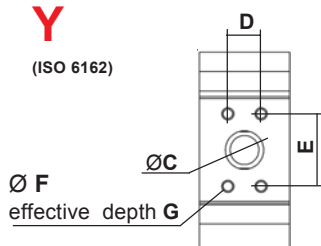
1" Gaz 18

1/2" Gaz 14

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

1"5/16 12 UNF 2B 20
1"5/16 12 UNF 2B 20

7/8" 14 UNF 2B 17
1"1/16 12 UNF 2B 20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26 47,6 22,4 M10 14
26 52,4 26,2 M10 14

15 17,4 38 M8 14
15 17,4 38 M8 14

X
(without ports)

2512
2514
2515
2517
2518
2522

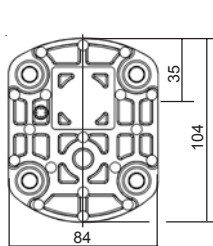
Only with rear body Type A

Consult us for availability

REAR BODIES

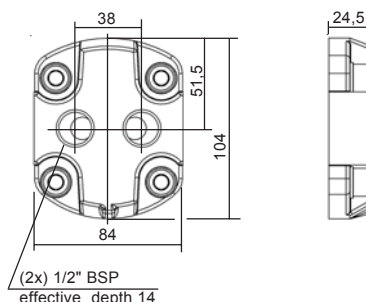
L

Standard



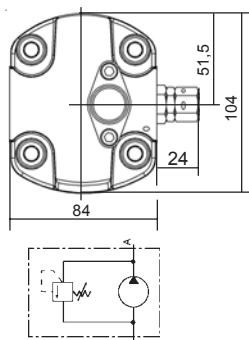
A

with ports



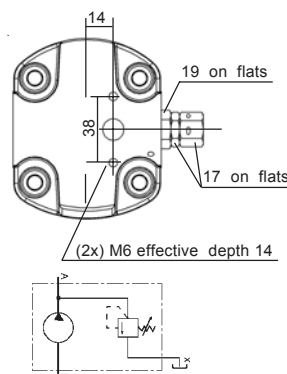
X

High pressure relief valve
(Adjustable) Internal return



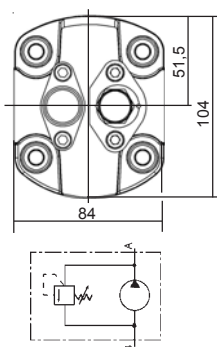
T

High pressure relief valve
(Adjustable) External return



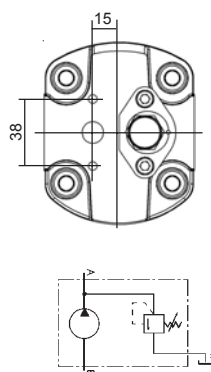
V

Low Pressure relief valve
(Adjustable) Internal return



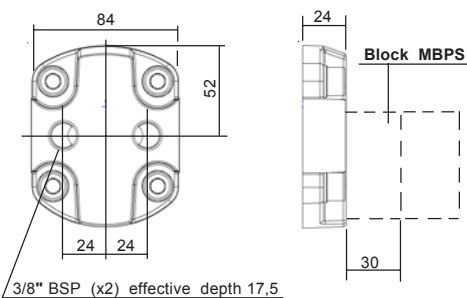
W

Low Pressure relief valve
(Adjustable) External return



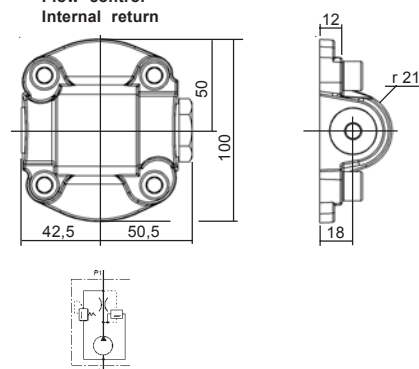
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1361 3/4

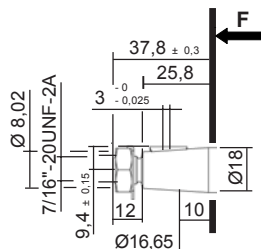
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

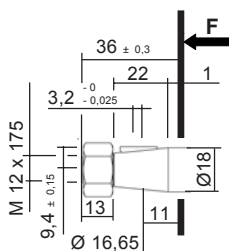


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

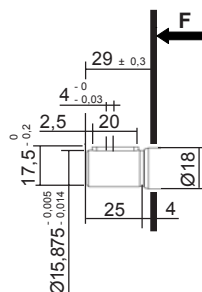
Maxi transmissible torque

220 N.m

Straight keyed

20

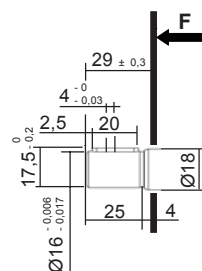
A01



Maxi transmissible torque

50 N.m

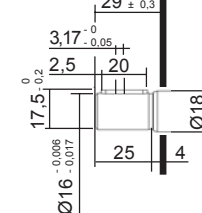
C02



Maxi transmissible torque

50 N.m

A08



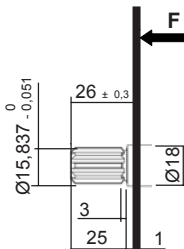
Maxi transmissible torque

50 N.m

Splined

30

A01

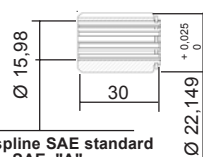


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

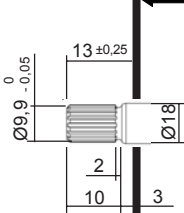
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

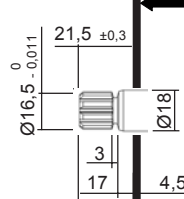


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

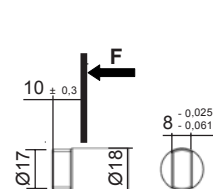
Maxi transmissible torque

100 N.m

Tang

40

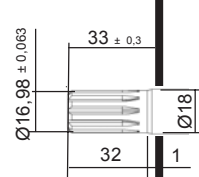
C03



Maxi transmissible torque

70 N.m

A17

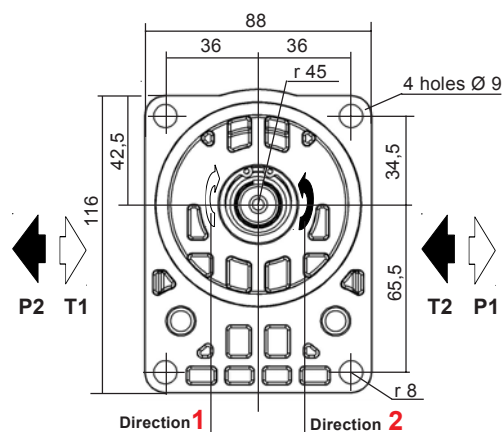
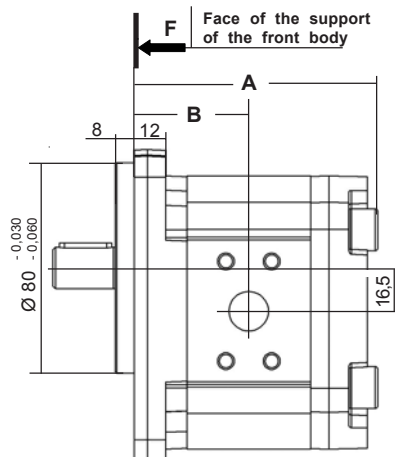
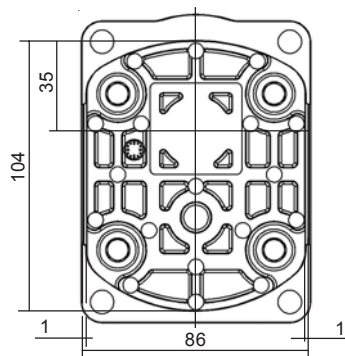


Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Consult us for availability



CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069810

Viton: K5069820

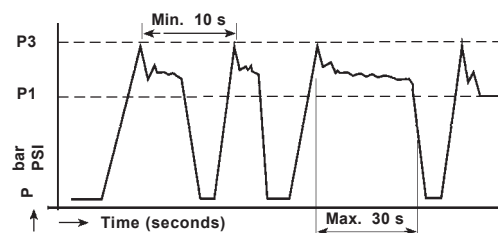
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

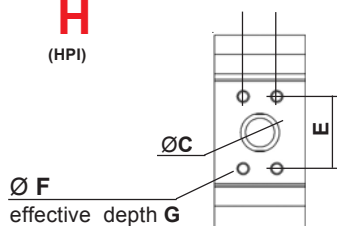
P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1311 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

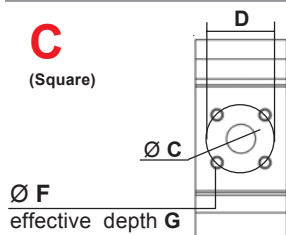
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

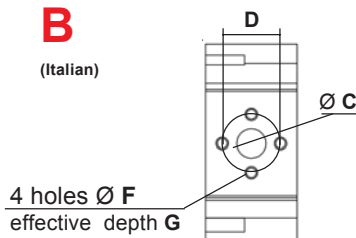
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

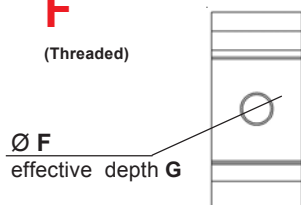
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

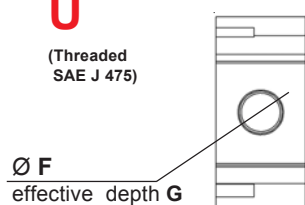
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

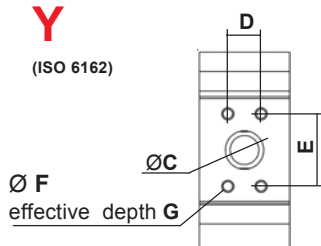
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

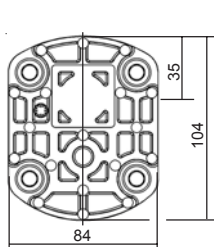
Only with rear body Type A

Consult us for availability

REAR BODIES

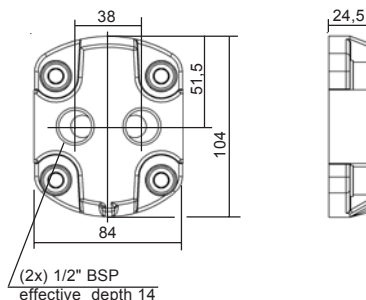
L

Standard



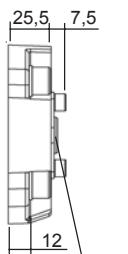
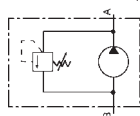
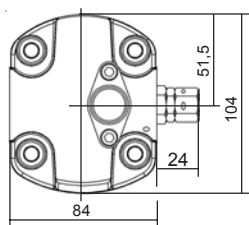
A

with ports



X

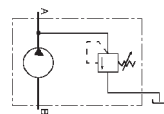
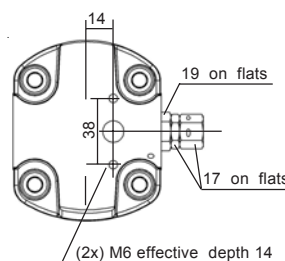
High pressure relief valve
(Adjustable) Internal return



Blank port
connector only
internal return

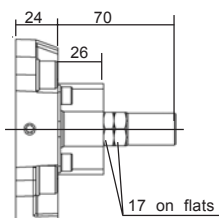
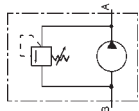
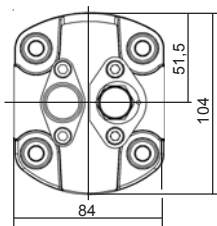
T

High pressure relief valve
(Adjustable) External return



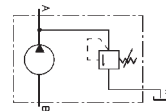
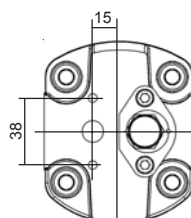
V

Low Pressure relief valve
(Adjustable) Internal return



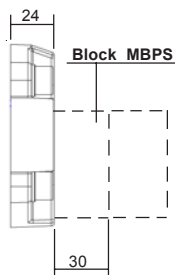
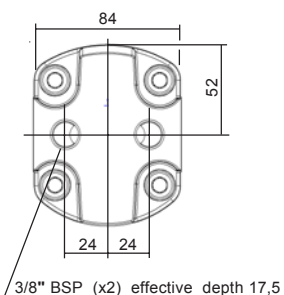
W

Low Pressure relief valve
(Adjustable) External return



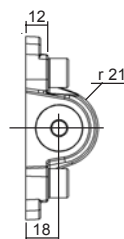
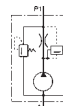
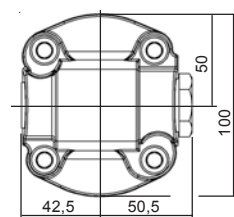
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1311 3/4

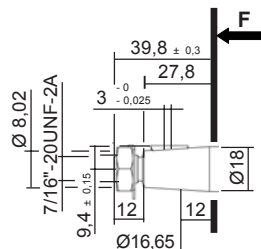
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

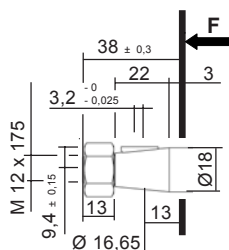


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

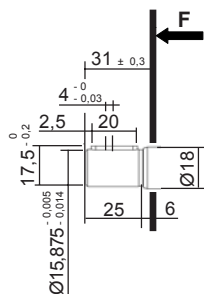
Maxi transmissible torque

220 N.m

Straight keyed

20

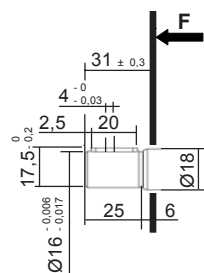
A01



Maxi transmissible torque

50 N.m

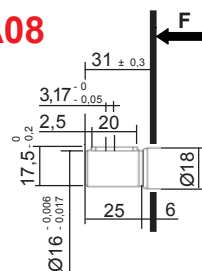
C02



Maxi transmissible torque

50 N.m

A08



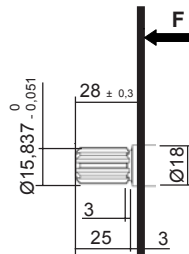
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

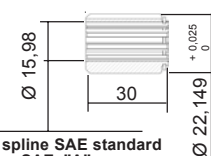
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: K.5041310

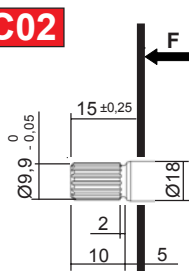
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

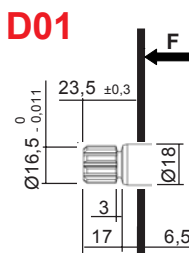


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

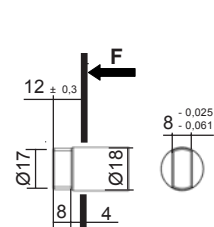
Maxi transmissible torque

100 N.m

Tang

40

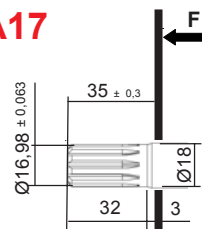
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

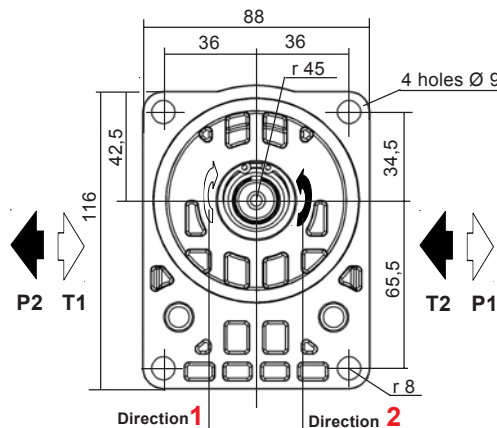
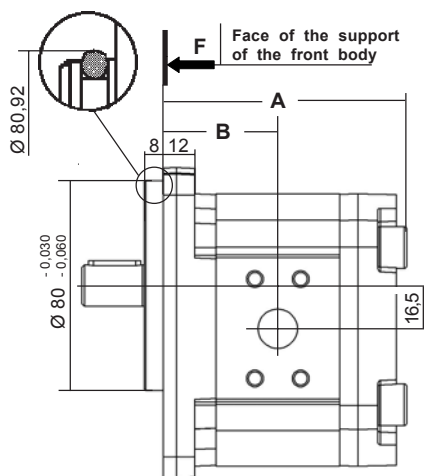
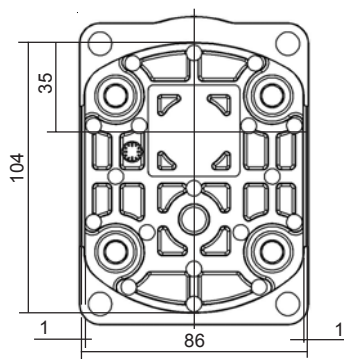
Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	121	57	110

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069810**

Viton: **K5069820**

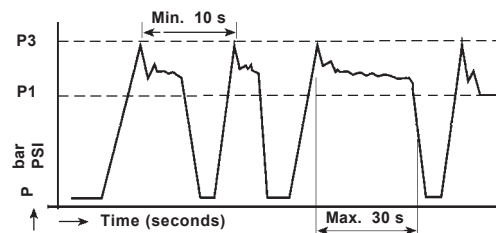
(For the manufacturings from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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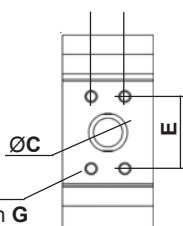
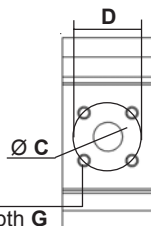
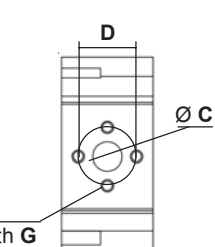
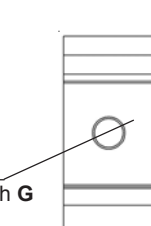
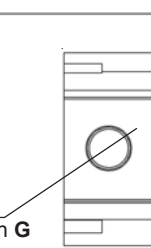
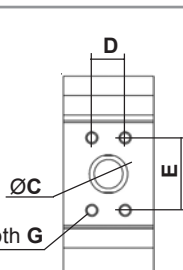
previous

next

main dimensions

PUBLISHING 12 / 07 / 2010

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

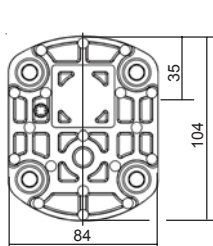
	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A											


Consult us for availability

REAR BODIES

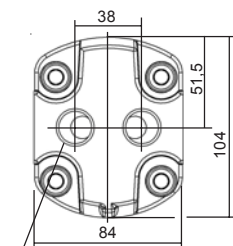
L

Standard



A

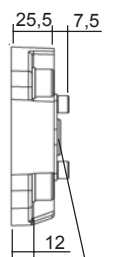
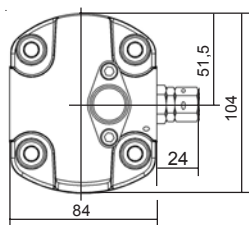
with ports



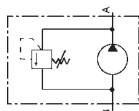
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

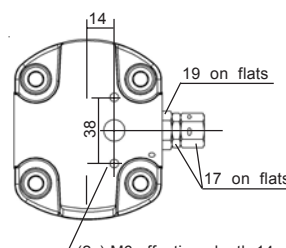


Blank port
connector only
internal return

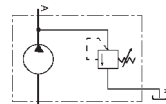


T

High pressure relief valve
(Adjustable) External return

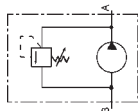
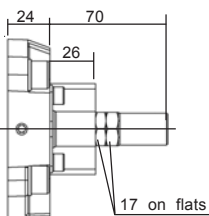
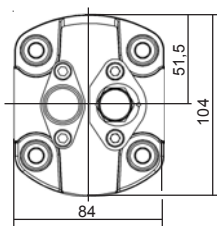


(2x) M6 effective depth 14



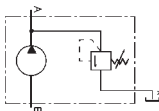
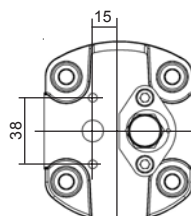
V

Low Pressure relief valve
(Adjustable) Internal return



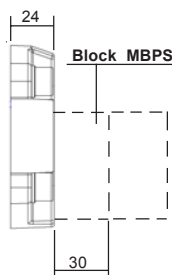
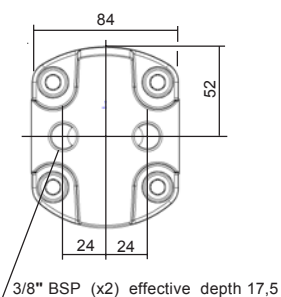
W

Low Pressure relief valve
(Adjustable) External return



AR

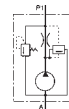
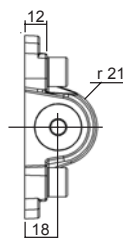
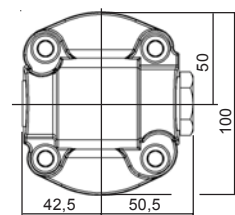
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

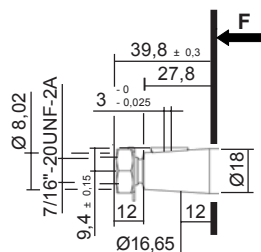
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DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8



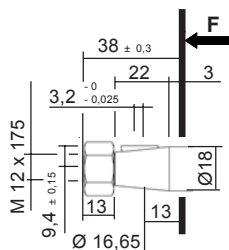
Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02

Cône 1 / 5



Delivered with nut: K106317

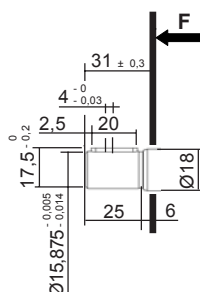
Maxi transmissible torque

220 N.m

Straight keyed

20

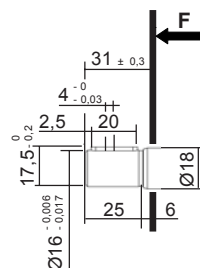
A01



Maxi transmissible torque

50 N.m

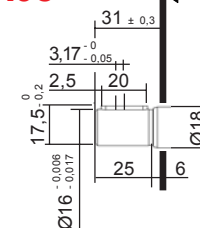
C02



Maxi transmissible torque

50 N.m

A08



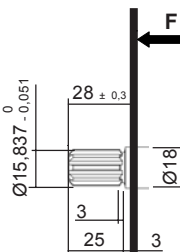
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

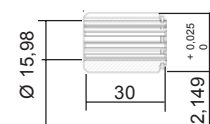
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: K.5041310

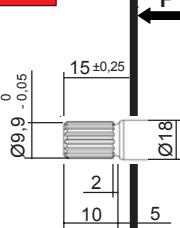
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

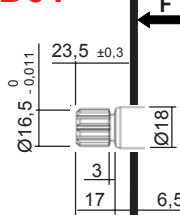


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

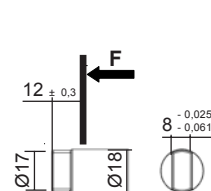
Maxi transmissible torque

100 N.m

Tang

40

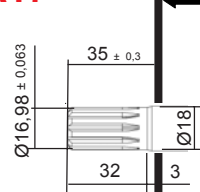
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

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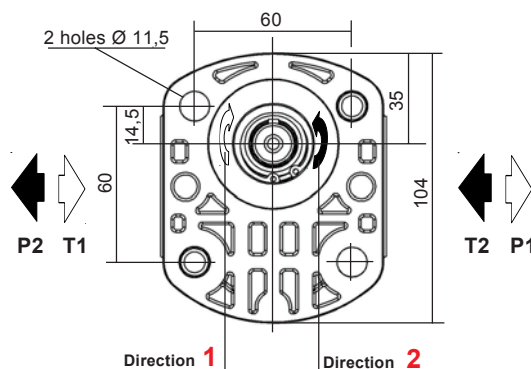
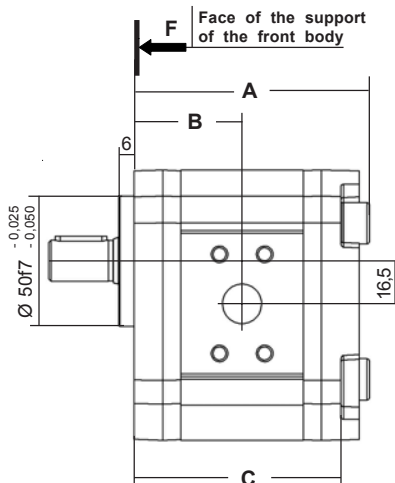
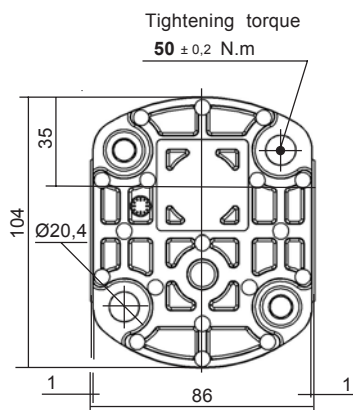


Consult us for availability



P	II Sign	DC	N	2 5	VI Sign	H	L	IX Sign	X Sign	XI Sign	XII Sign
----------	------------	-----------	----------	------------	------------	----------	----------	------------	-----------	------------	-------------

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	121	57	110

**Multiples geared pumps,
see data sheet **F.T 25 1313****

Seal kits:

Nitrile: K5069890

Viton: K5069820

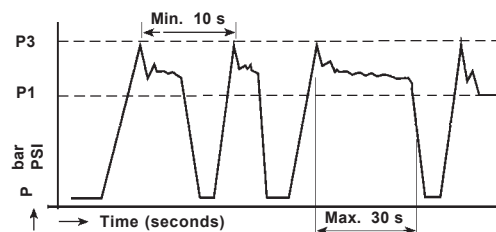
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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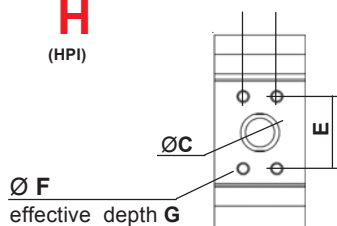
[previous](#)

next

main dimensions

PUBLISHING 12 / 07 / 2010

HYDRAULIC GEAR PUMPS SERIES 2,5

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

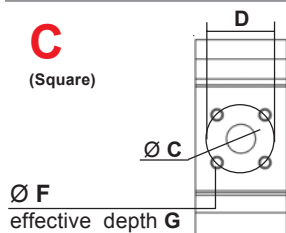
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

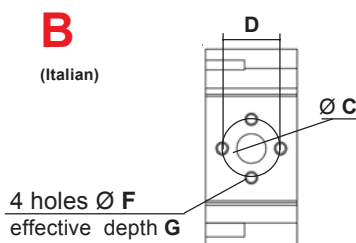
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

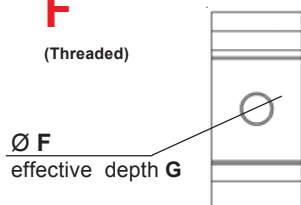
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

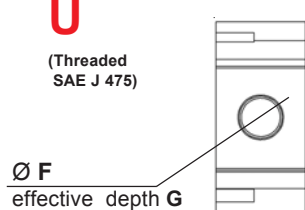
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

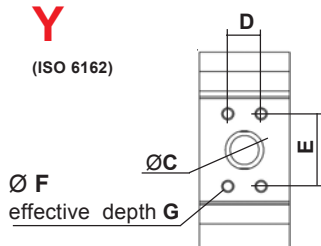
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

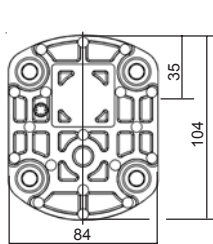
Only with rear body Type A

Consult us for availability

REAR BODIES

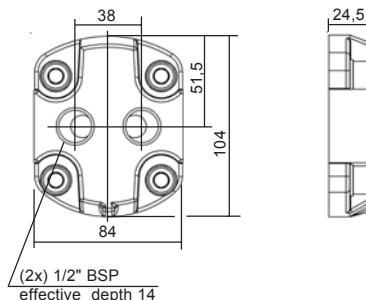
L

Standard



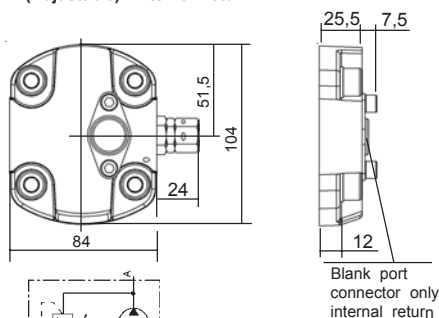
A

with ports



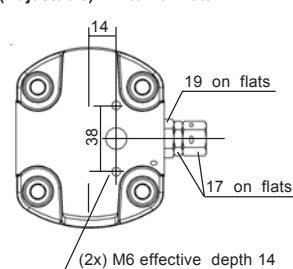
X

High pressure relief valve
(Adjustable) Internal return



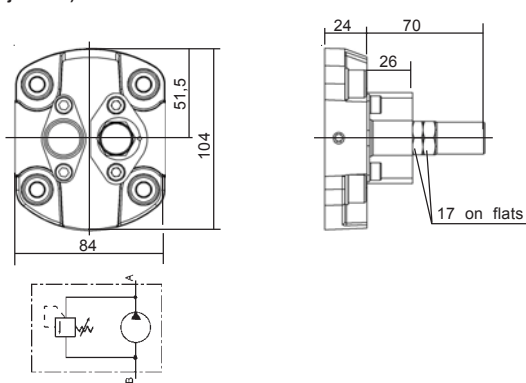
T

High pressure relief valve
(Adjustable) External return



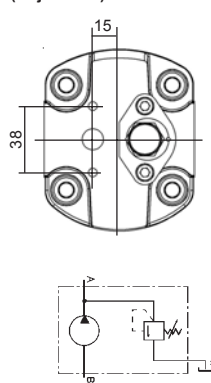
V

Low Pressure relief valve
(Adjustable) Internal return



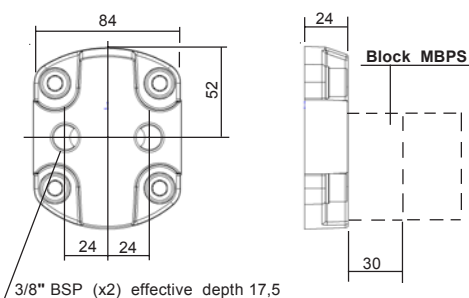
W

Low Pressure relief valve
(Adjustable) External return



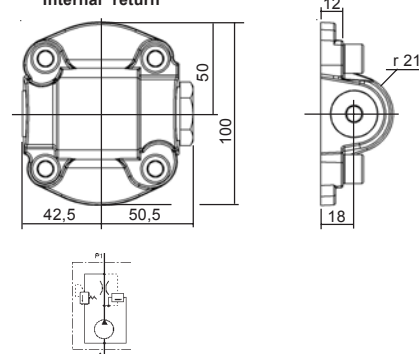
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1312 3/4

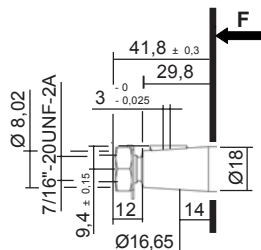
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

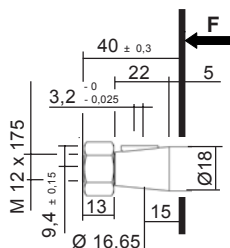


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

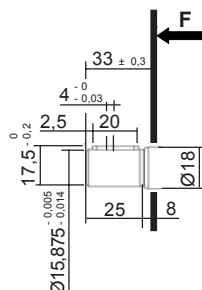
Maxi transmissible torque

220 N.m

Straight keyed

20

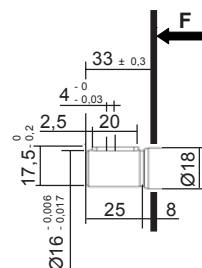
A01



Maxi transmissible torque

50 N.m

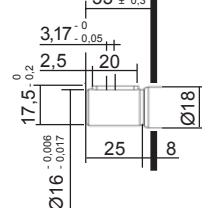
C02



Maxi transmissible torque

50 N.m

A08



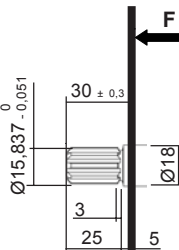
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

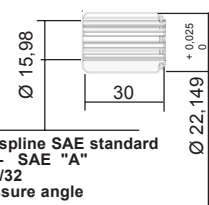
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: K.5041310

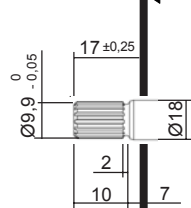
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

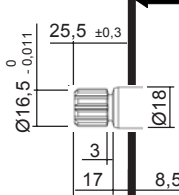


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

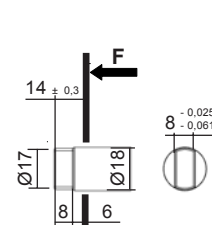
Maxi transmissible torque

100 N.m

Tang

40

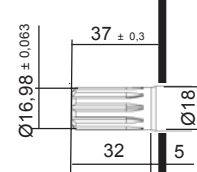
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Consult us for availability

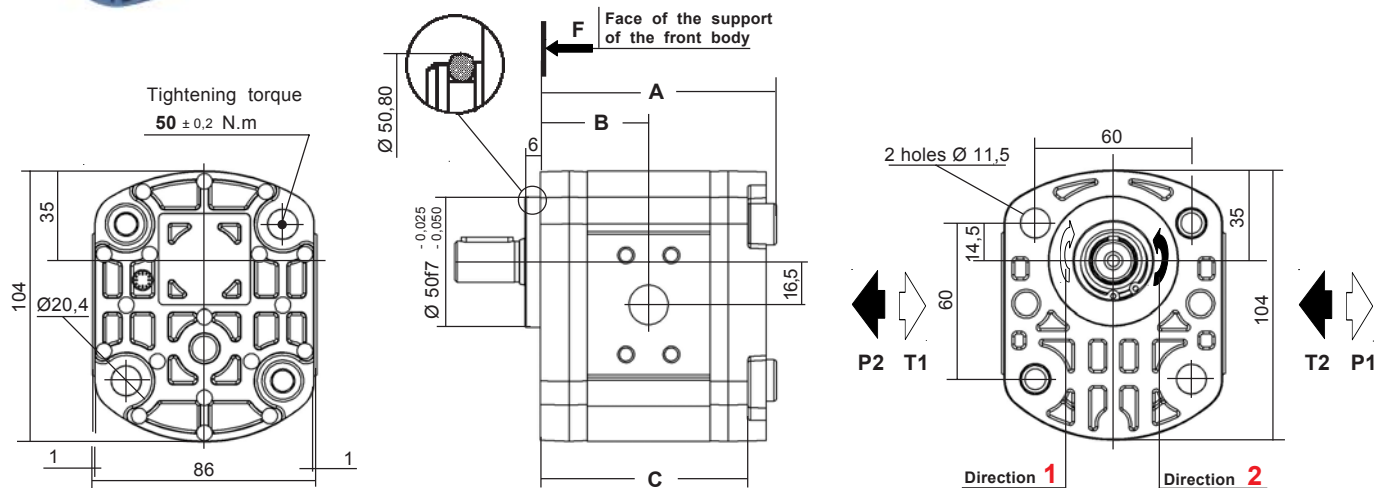
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1312 4/4



P	II Sign	DC	K	2 5	VI Sign	H	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**



Dimensions readings and approximative characteristics subject to modifications.

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	121	57	110

**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069890 + K101513

Viton: K5069820 + K101326

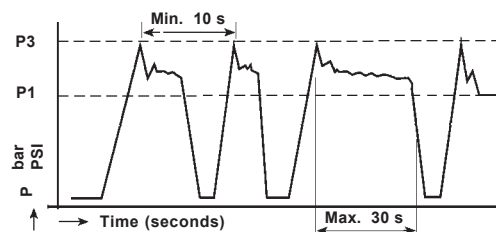
(For the manufacturings
from January 1984)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

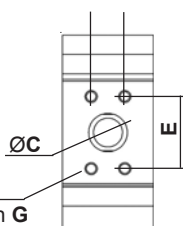
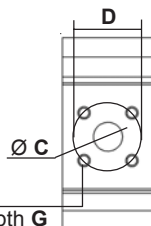
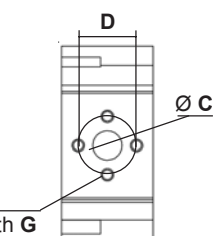
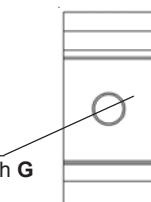
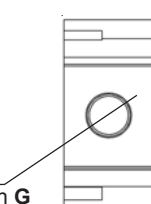
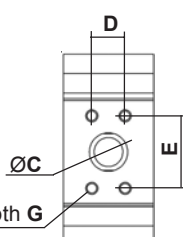
P3 Allowable peak pressure.



F.T 25 1336 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
												INLET (T)	OUTLET (P)
		ØC	D	E	ØF	G	ØC	D	E	ØF	G		
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A										 Consult us for availability	

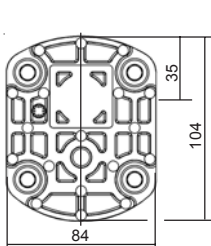
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1336 2/4

REAR BODIES

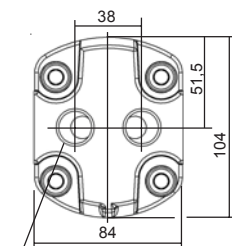
L

Standard



A

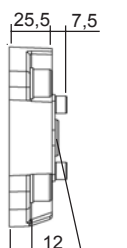
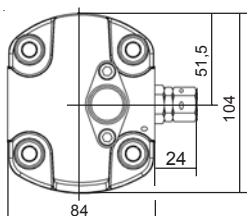
with ports



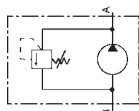
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

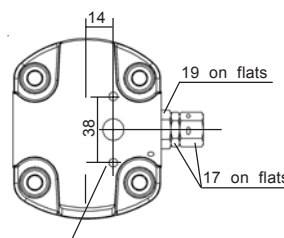


Blank port
connector only
internal return

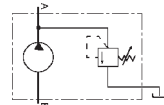


T

High pressure relief valve
(Adjustable) External return

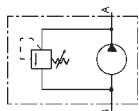
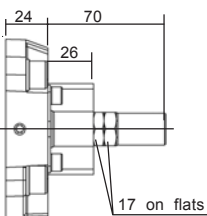
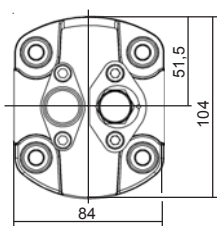


(2x) M6 effective depth 14



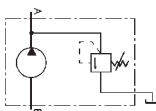
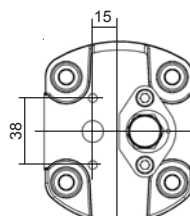
V

Low Pressure relief valve
(Adjustable) Internal return



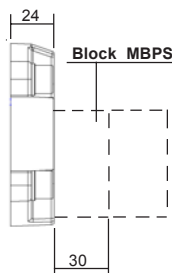
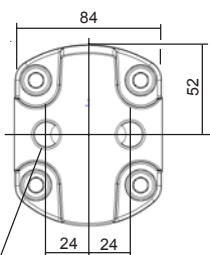
W

Low Pressure relief valve
(Adjustable) External return



AR

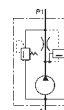
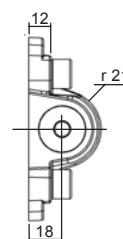
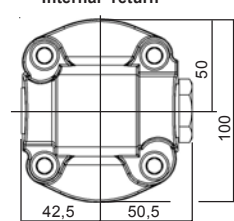
with block configuration MBPS



3/8" BSP (x2) effective depth 17.5

Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

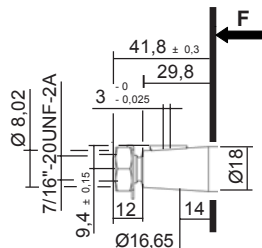
F.T 25 1336 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

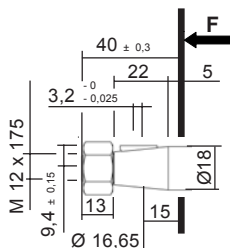


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

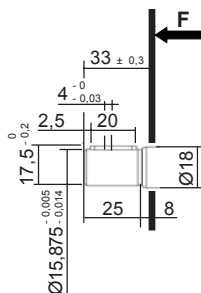
Maxi transmissible torque

220 N.m

Straight keyed

20

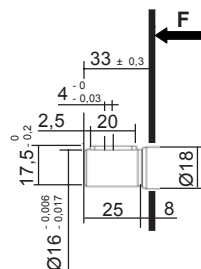
A01



Maxi transmissible torque

50 N.m

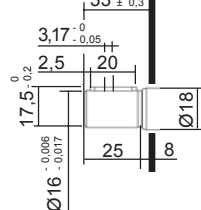
C02



Maxi transmissible torque

50 N.m

A08



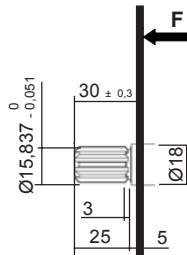
Maxi transmissible torque

50 N.m

Splined

30

A01

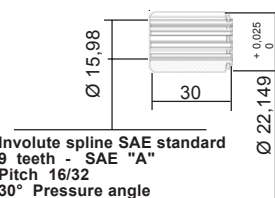


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

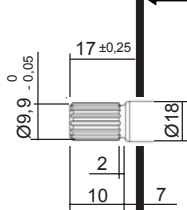
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splined shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

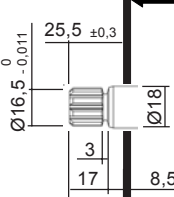


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

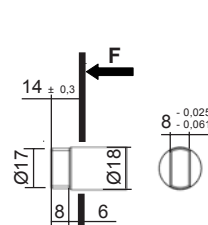
Maxi transmissible torque

100 N.m

Tang

40

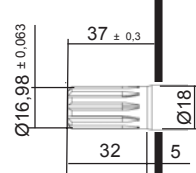
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

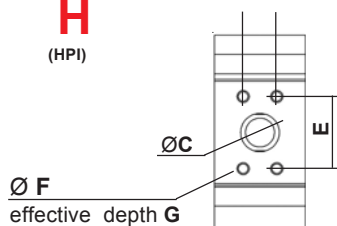
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1336 4/4



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

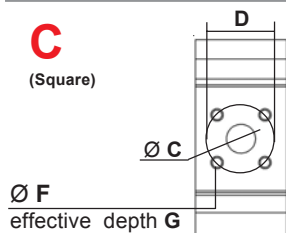
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

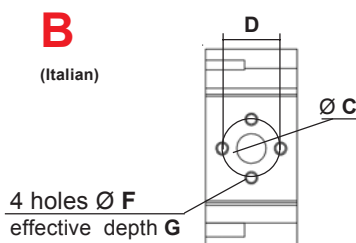
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

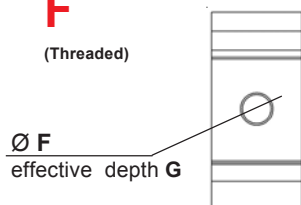
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

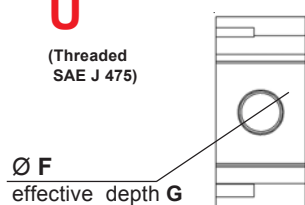
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

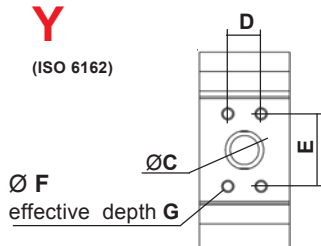
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

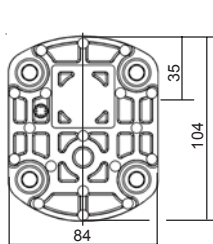
Only with rear body Type A

Consult us for availability

REAR BODIES

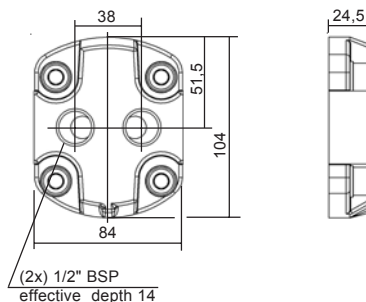
L

Standard



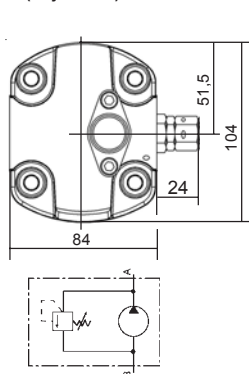
A

with ports



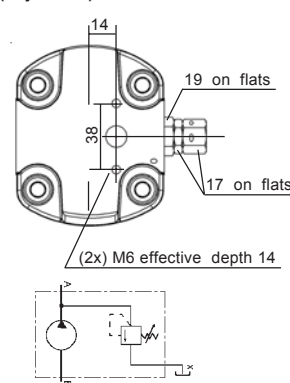
X

High pressure relief valve
(Adjustable) Internal return



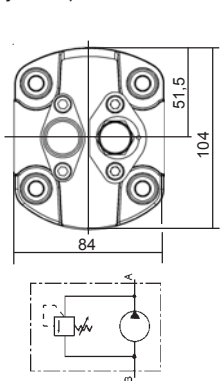
T

High pressure relief valve
(Adjustable) External return



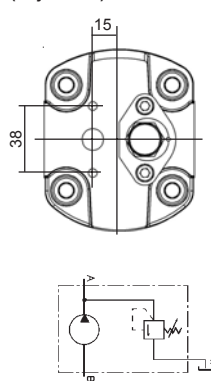
V

Low Pressure relief valve
(Adjustable) Internal return



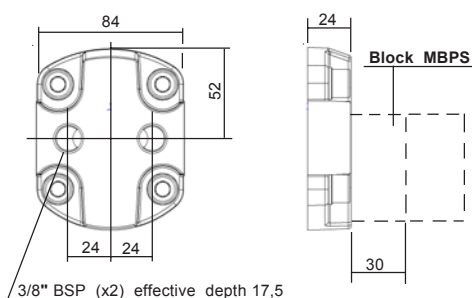
W

Low Pressure relief valve
(Adjustable) External return



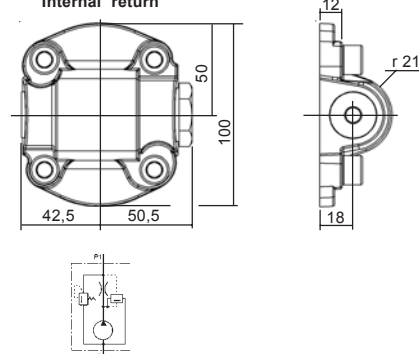
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1338 3/4

Consult us for availability

DRIVING SHAFT (DUK)

Tapered

10

Straight keyed

20

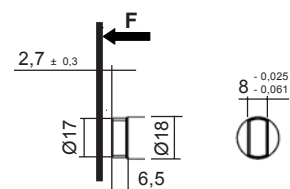
Splined

30

Tang

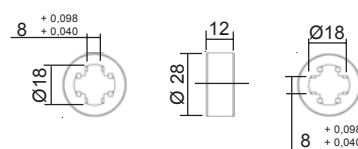
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1338 4/4

Consult us for availability

[home](#)

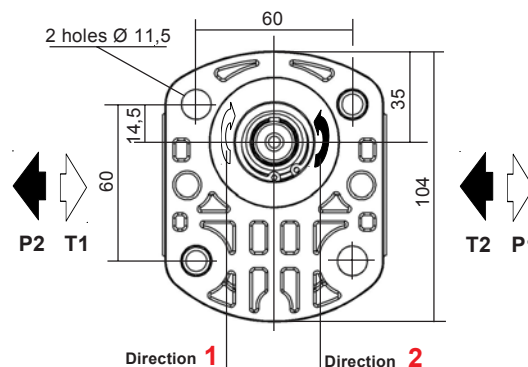
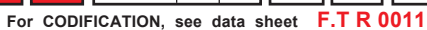
[contents](#)

[previous](#)

[next](#)

[main dimensions](#)

PUBLISHING 17 / 03 / 2011



**Multiples geared pumps,
see data sheet **F.T 20 1306****

Seal kits:

Nitrile: K5069890

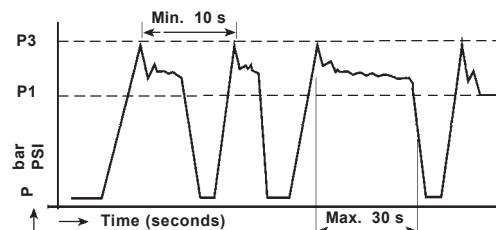
Viton: K5069820

(For the manufacturings
from January 1984)

P1 Maximum pressure in continuous duty.

Maximum Pressure $\Rightarrow$

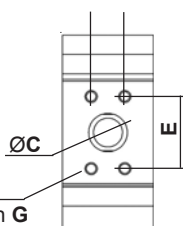
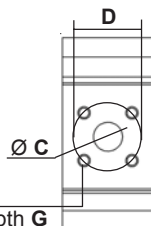
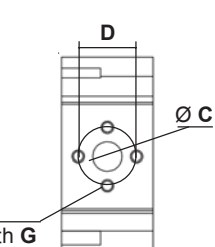
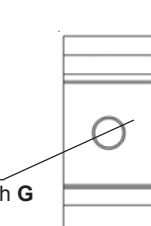
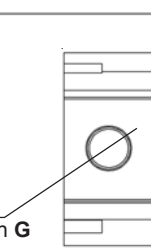
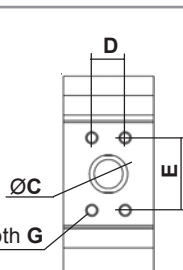
P3 Allowable peak pressure.



F.T 25 1337 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

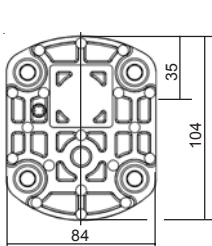
	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A											


Consult us for availability

REAR BODIES

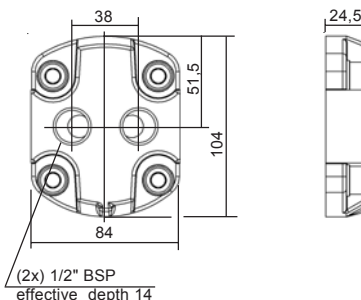
L

Standard



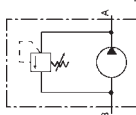
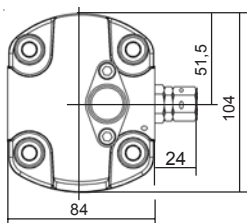
A

with ports



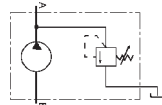
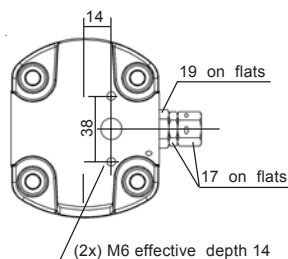
X

High pressure relief valve
(Adjustable) Internal return



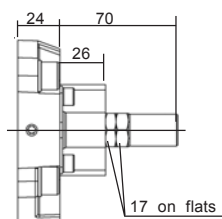
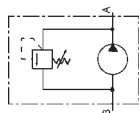
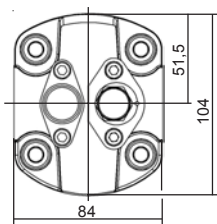
T

High pressure relief valve
(Adjustable) External return



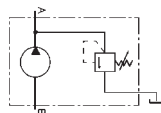
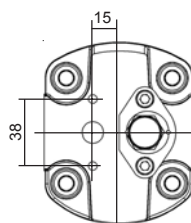
V

Low Pressure relief valve
(Adjustable) Internal return



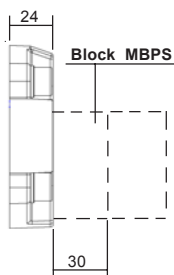
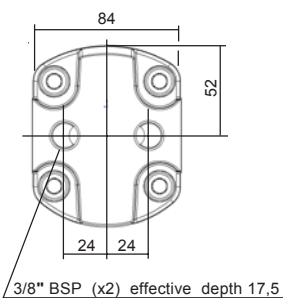
W

Low Pressure relief valve
(Adjustable) External return



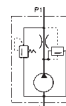
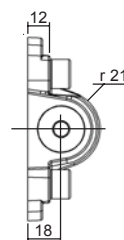
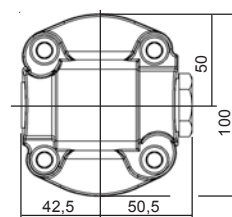
AR

with block configuration MBPS



Q

Flow control
Internal return



Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

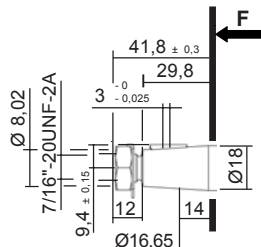
F.T 25 1337 3/4

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

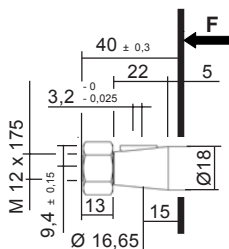


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

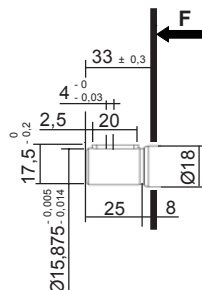
Maxi transmissible torque

220 N.m

Straight keyed

20

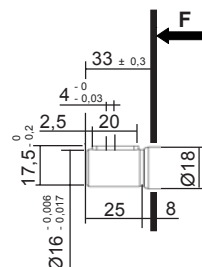
A01



Maxi transmissible torque

50 N.m

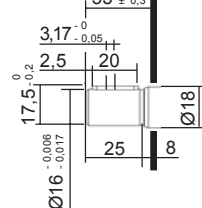
C02



Maxi transmissible torque

50 N.m

A08



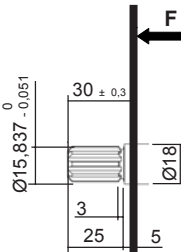
Maxi transmissible torque

50 N.m

Splined

30

A01

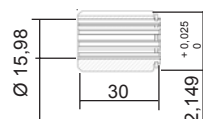


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

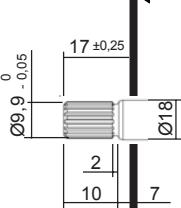
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

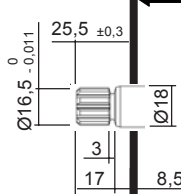


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

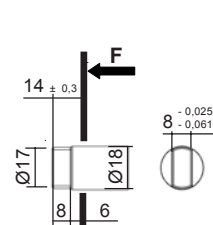
Maxi transmissible torque

100 N.m

Tang

40

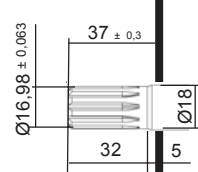
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

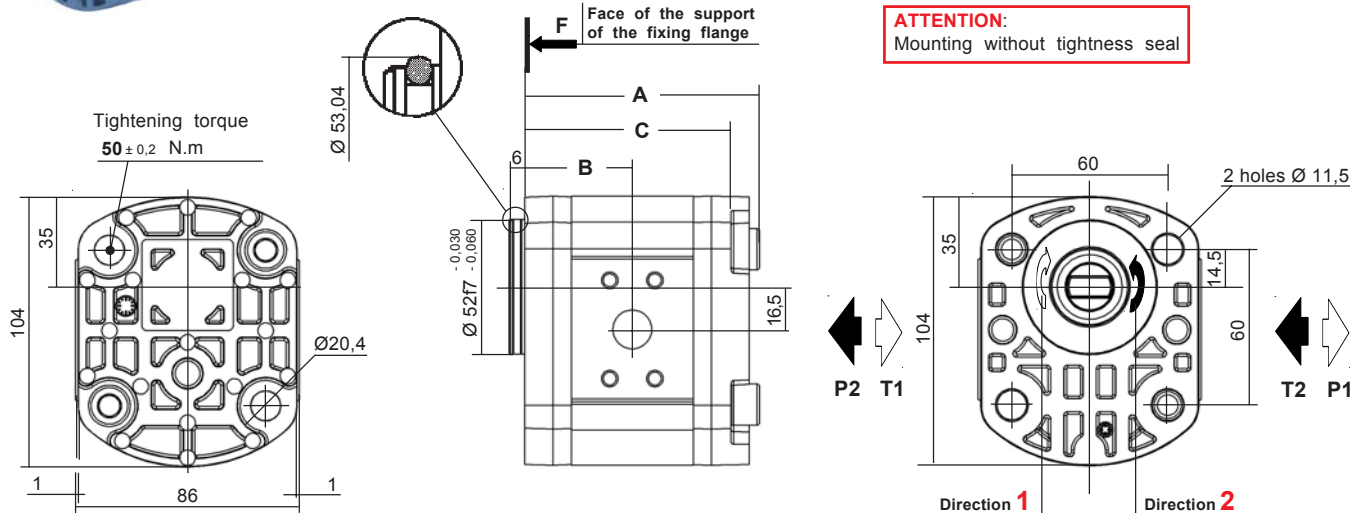
F.T 25 1337 4/4

Consult us for availability



P II Sign **DZ K 2 5** VI Sign **H L 4 0 D 02** XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	121	57	110

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069830 + K102539**

Viton: **K5069840 + K107013**

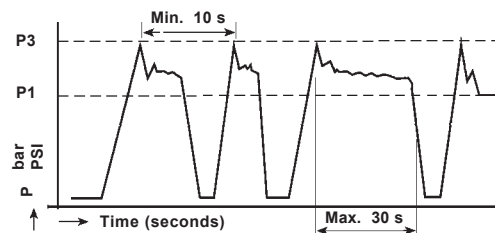
(For the manufacturings from January 1984)

MODEL	Capacity cc / rev	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Max. speed l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,3
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	2,6
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	2,7
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	2,7
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	2,8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1362 1/4

Consult us for availability

home

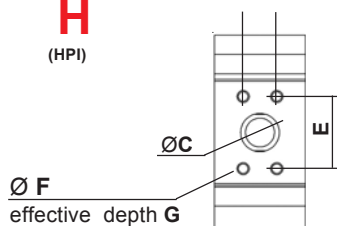
contents

previous

next

main dimensions

PUBLISHING 12 / 07 / 2010

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

Capacity
**INLET
(T)**
**OUTLET
(P)**
CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

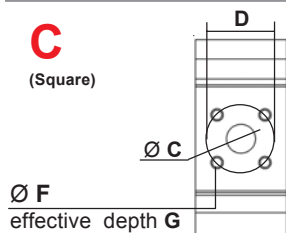
INLET (T)
OUTLET (P)

2512
2514
2515
2517
2518
2522

ØC	D	E	ØF	G	ØC	D	E	ØF	G
26	47,6	22,4	M6	12	15	17,4	38	M6	12

1 " BSP
N: 2.500496
V: 2.504117

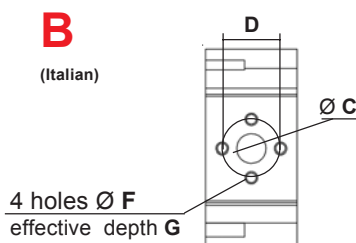
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

ØC	D	E	ØF	G	ØC	D	E	ØF	G
20	40		M6	12	15	35		M6	12

3 / 4 " BSP
N: 367141.503

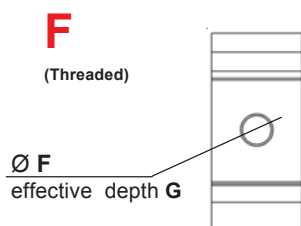
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

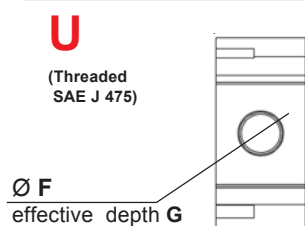
ØC	D	E	ØF	G	ØC	D	E	ØF	G
23,5	40		M8	13	15	30		M6	13

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

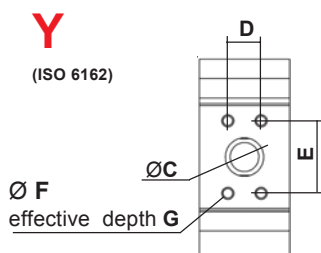
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

ØF	G	ØF	G
1"	18	1/2"	14

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

ØF	G	ØF	G
1"5/16 12 UNF 2B	20	7/8" 14 UNF 2B	17
1"5/16 12 UNF 2B	20	1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

ØC	D	E	ØF	G	ØC	D	E	ØF	G
26	47,6	22,4	M10	14	15	17,4	38	M8	14
26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

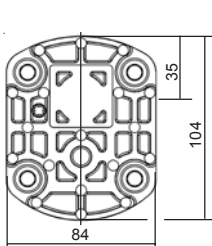
Only with rear body Type A

Consult us for availability

REAR BODIES

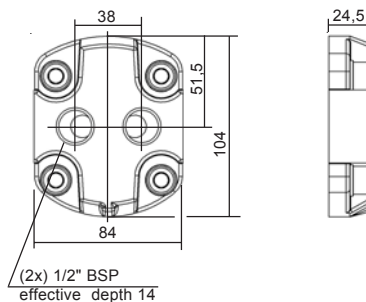
L

Standard



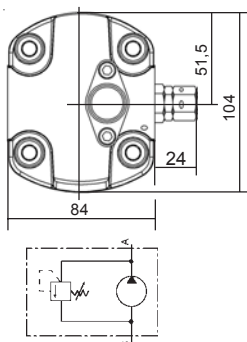
A

with ports



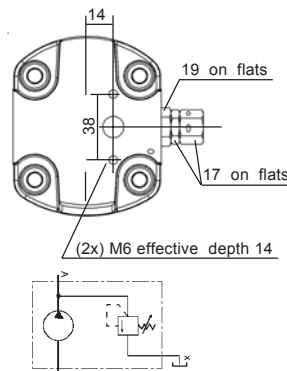
X

High pressure relief valve
(Adjustable) Internal return



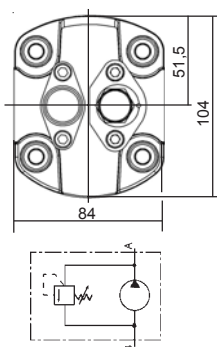
T

High pressure relief valve
(Adjustable) External return



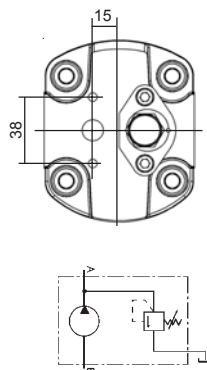
V

Low Pressure relief valve
(Adjustable) Internal return



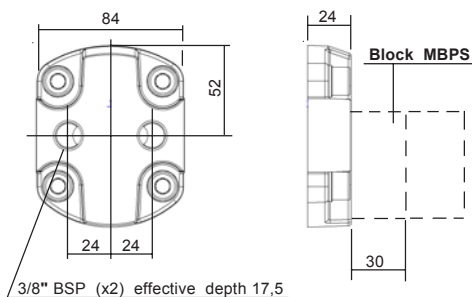
W

Low Pressure relief valve
(Adjustable) External return



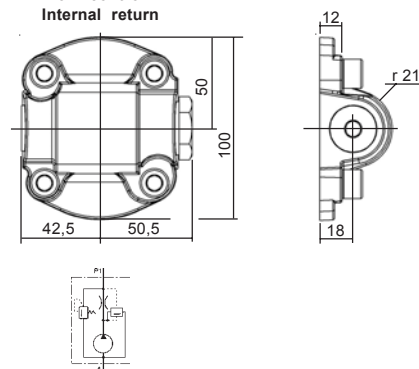
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1362 3/4

Consult us for availability

DRIVING SHAFT (DZK)

Tapered

10

Straight keyed

20

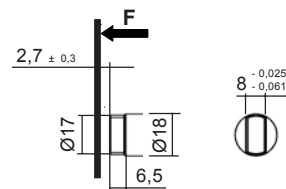
Splined

30

Tang

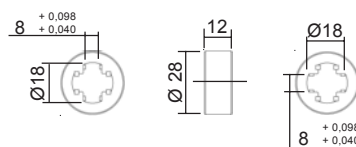
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1362 4/4

Consult us for availability

[home](#)

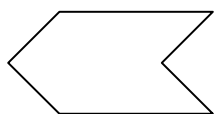
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[next](#)

[main dimensions](#)

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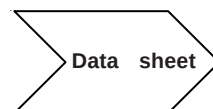


F.T 20 1299

PUMPS PRESENTATION SERIES 2 and 2,5

- THICK FRONT BODIES

PUMP **AAP**



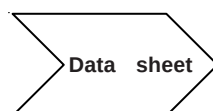
F.T 251340

PUMP **AAR**



F.T 25 1342

PUMP **ARP**



F.T 25 1344

PUMP **ARK**



F.T 25 1346



Consult us for availability

[home](#)

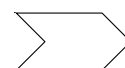
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- THICK FRONT BODIES (rest)

PUMP

DBP



Data sheet

F.T 25 1348

PUMP

DBR



Data sheet

F.T 25 1350

Fiche
Technique

F.T 20 1306

MULTIPLES
PUMPS



Consult us for availability

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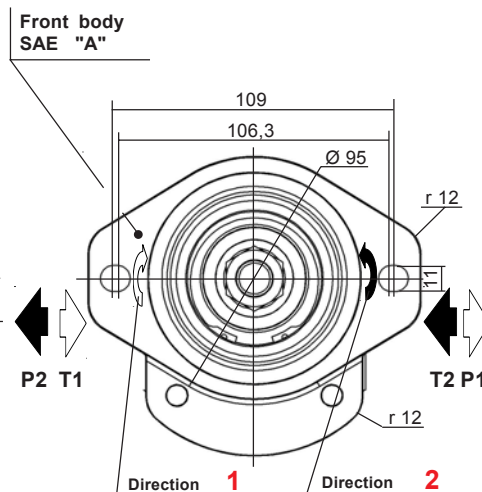
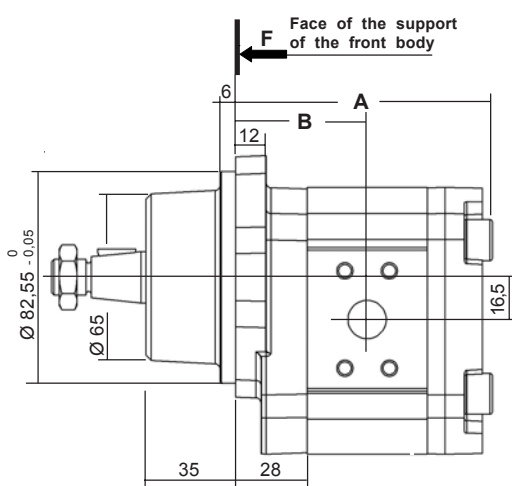
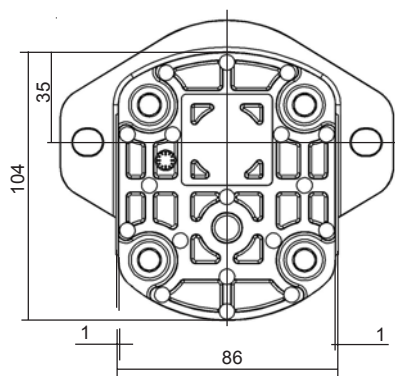
main dimensions

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P **II** Sign **AA** **P** **25** **VI** Sign **H** **L** **IX** Sign **X** Sign **C03** **XII** Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	115	59
15 - 17 - 18 - 22	131	67

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5069870 + K5069830**

Viton: **K5069880 + K5069840**

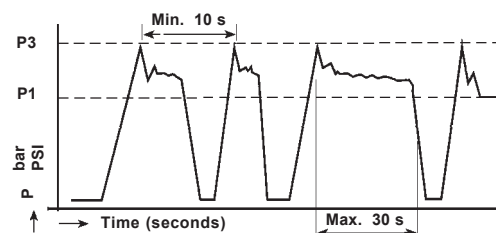
(For the manufacturings from february 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1340 1/4

Consult us for availability

home

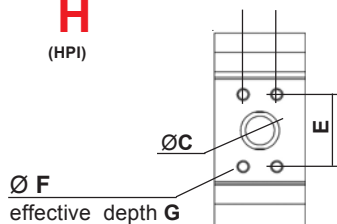
contents

previous

next

main dimensions

PUBLISHING 17 / 03 / 2011

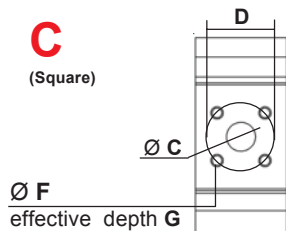
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

INLET (T)					OUTLET (P)				
ØC	D	E	ØF	G	ØC	D	E	ØF	G
26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

1 " BSP
N: 2.500496
V: 2.504117

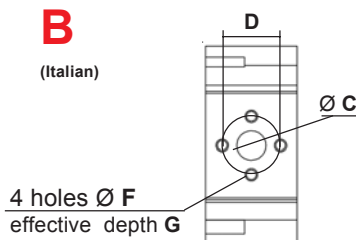
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20	40		M6	12	15	35		M6	12
----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

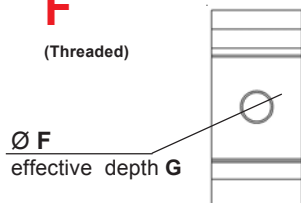
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

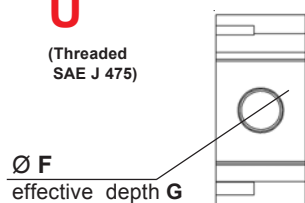
23,5	40		M8	13	15	30		M6	13
------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

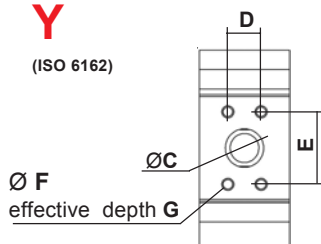
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

			1" Gaz	18				1/2" Gaz	14
--	--	--	--------	----	--	--	--	----------	----

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

			1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
			1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26	47,6	22,4	M10	14	15	17,4	38	M8	14
26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

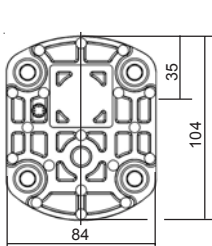
Only with rear body Type A

Consult us for availability

REAR BODIES

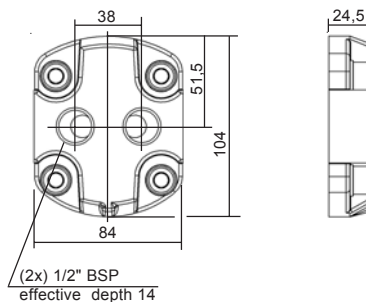
L

Standard



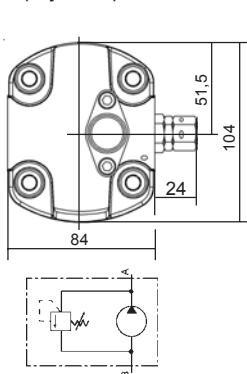
A

with ports



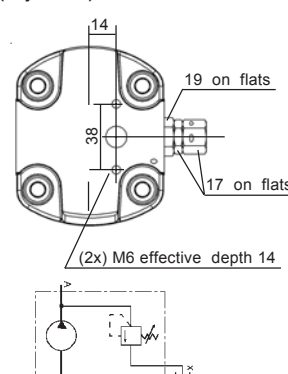
X

High pressure relief valve
(Adjustable) Internal return



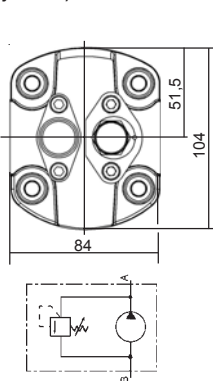
T

High pressure relief valve
(Adjustable) External return



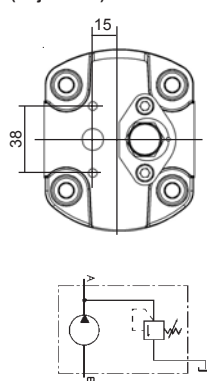
V

Low Pressure relief valve
(Adjustable) Internal return



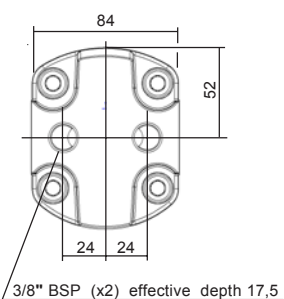
W

Low Pressure relief valve
(Adjustable) External return



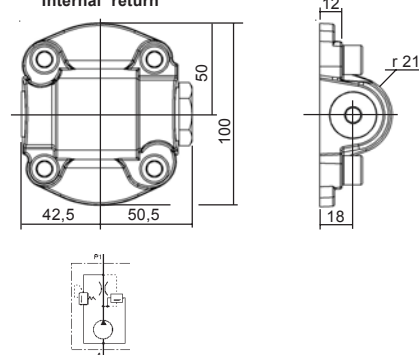
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1340 3/4

Consult us for availability

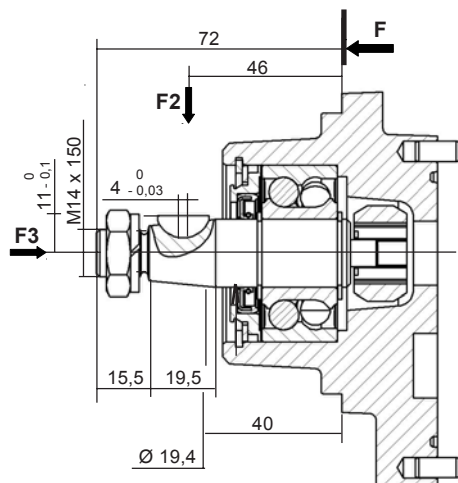
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Supplied with nut: 102 045

F2 Maxi: 120 daN

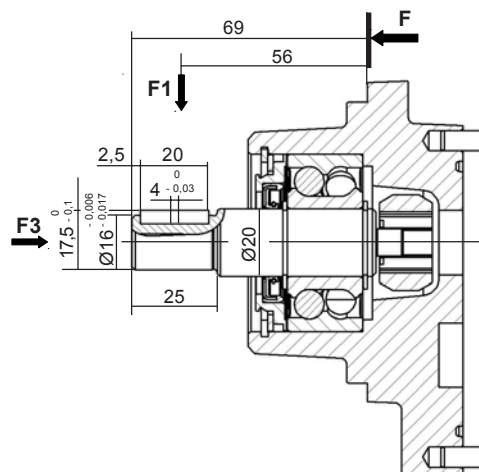
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1340 4/4

Consult us for availability

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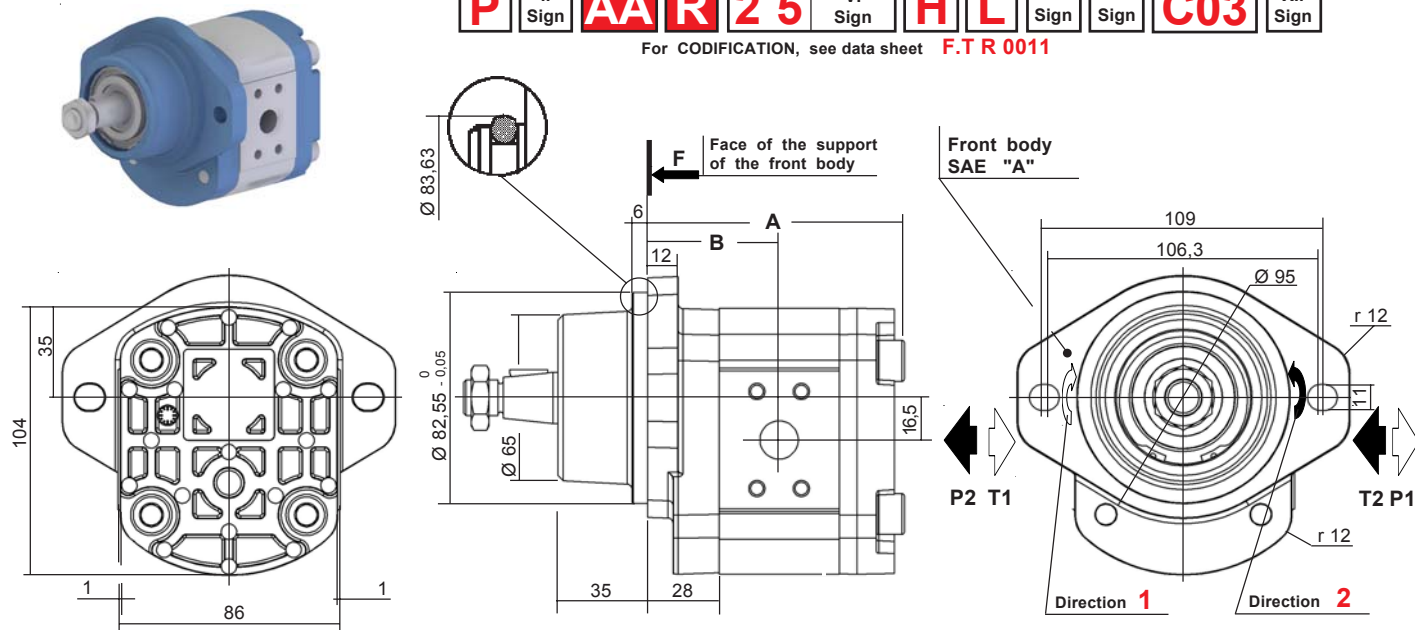
[next](#)

[main dimensions](#)

PUBLISHING 17 / 03 / 2011

P **II** **AA** **R** **2 5** **VI** **H** **L** **IX** **X** **C03** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	115	59
15 - 17 - 18 - 22	131	67

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

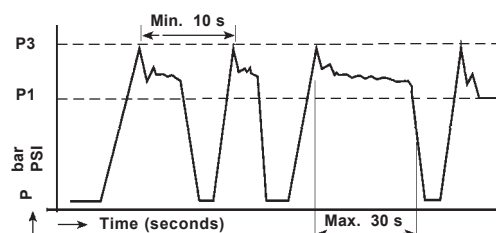
Nitrile: **K5069870 + K5069830 + K102901**
Viton: **K5069880 + K5069840 + K104093**
(For the manufacturings from february 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

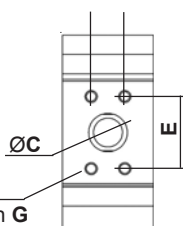
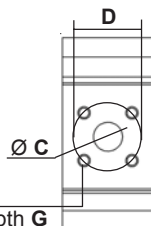
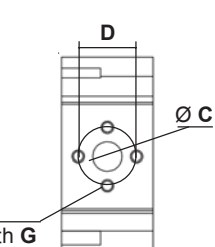
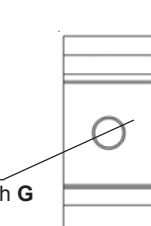
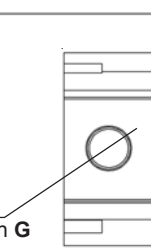
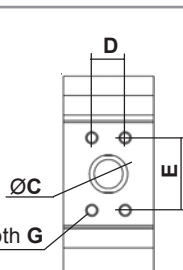
P3 Allowable peak pressure.



F.T 25 1341 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A											

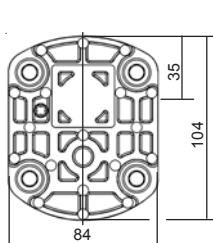
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1341 2/4
 Consult us for availability

REAR BODIES

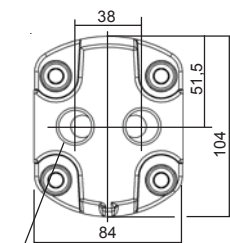
L

Standard



A

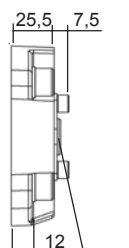
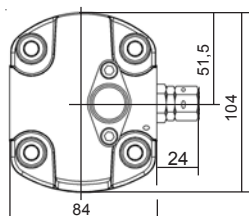
with ports



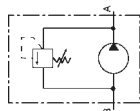
(2x) 1/2" BSP
effective depth 14

X

High pressure relief valve
(Adjustable) Internal return

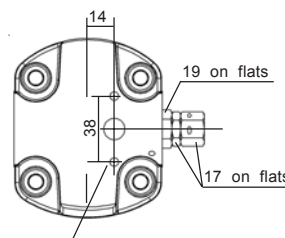


Blank port
connector only
internal return

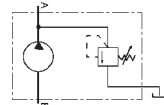


T

High pressure relief valve
(Adjustable) External return

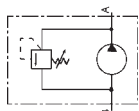
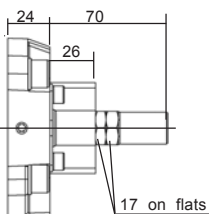
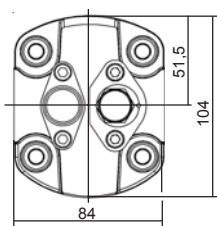


(2x) M6 effective depth 14



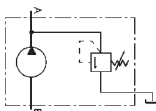
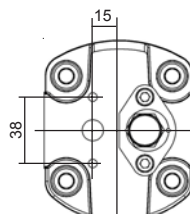
V

Low Pressure relief valve
(Adjustable) Internal return



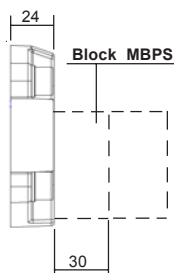
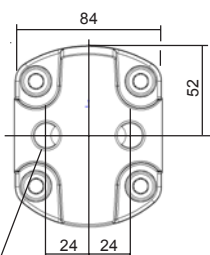
W

Low Pressure relief valve
(Adjustable) External return



AR

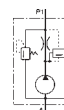
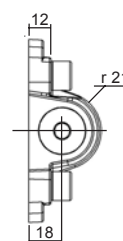
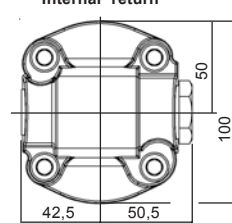
with block configuration MBPS



3/8" BSP (x2) effective depth 17,5

Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1341 3/4

Consult us for availability

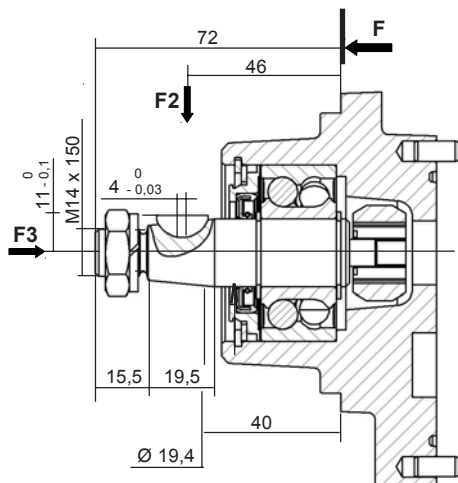
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Supplied with nut: 102 045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

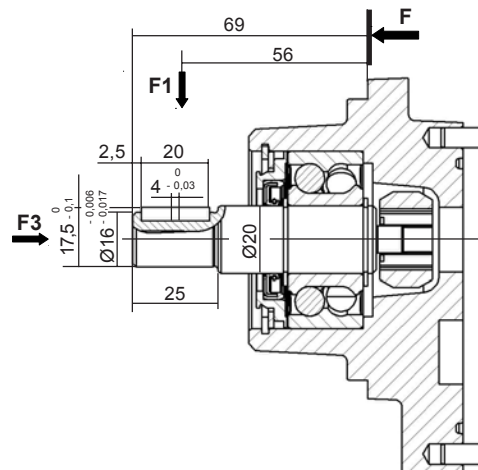
Maxi transmissible torque

50 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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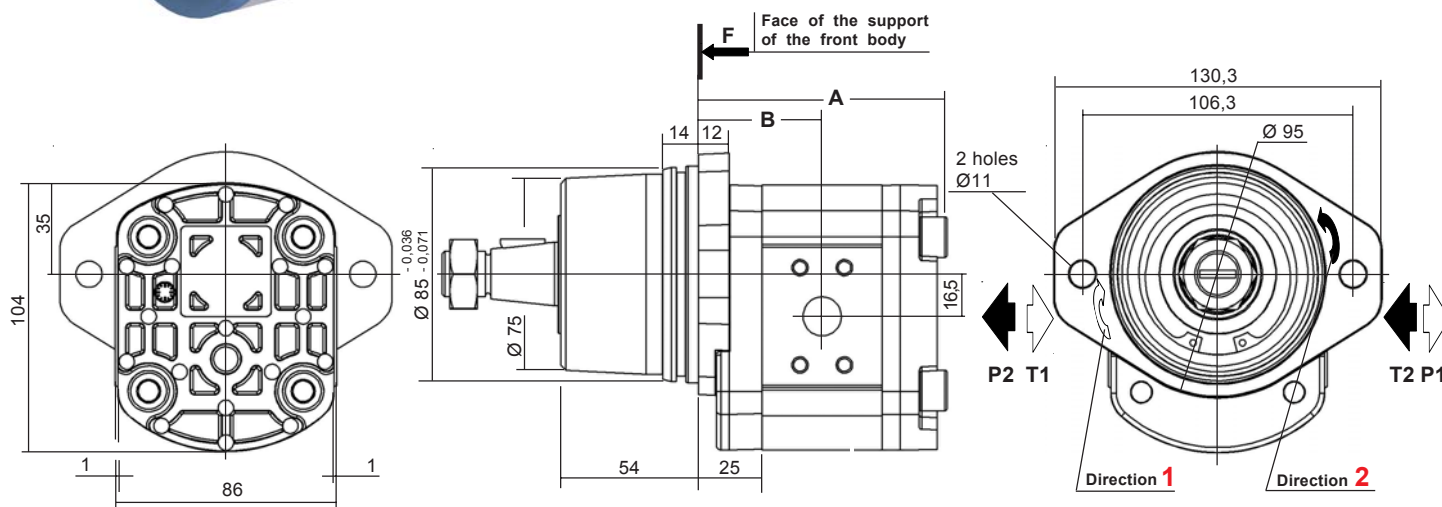
[main dimensions](#)

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P **II** **AR** **P** **2 5** **VI** **H** **L** **1** **0** **C05** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the capacity	Dimensions	
	A	B

12	112	56
15 - 17 - 18 - 22	128	64

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K112366 + K5069830**

Viton: **K112366 + K5069840**

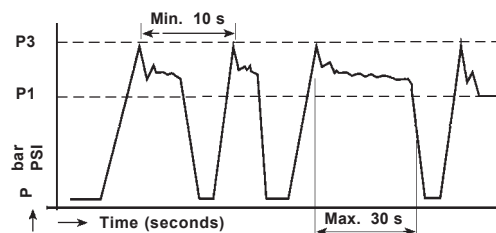
(For the manufacturings from february 1986)

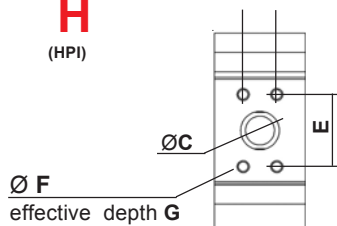
MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

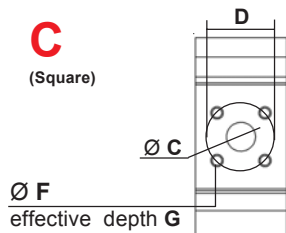
Capacity	INLET (T)					OUTLET (P)				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	26	47,6	22,4	M6	12	15	17,4	38	M6	12

CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T) OUTLET (P)

1 " BSP
N: 2.500496
V: 2.504117

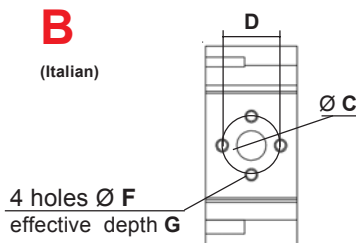
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

	20	40		M6	12	15	35		M6	12
--	----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

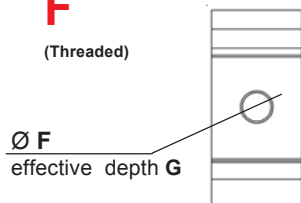
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

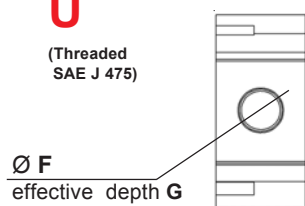
	23,5	40		M8	13	15	30		M6	13
--	------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

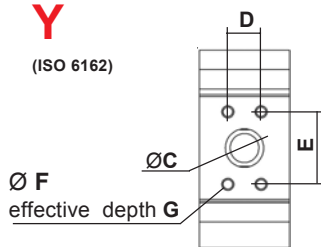
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threaded)

2512
2514
2515
2517
2518
2522

				1" Gaz	18				1/2" Gaz	14
--	--	--	--	--------	----	--	--	--	----------	----

U
(Threaded
SAE J 475)

2512
2514
2515
2517
2518
2522

				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

Only with rear body Type A

Consult us for availability

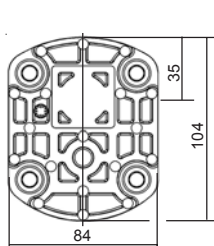
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

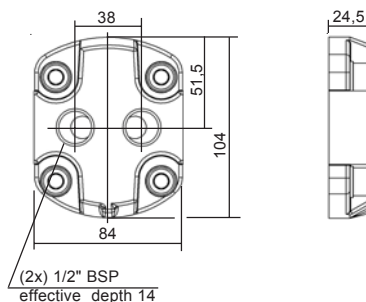
L

Standard



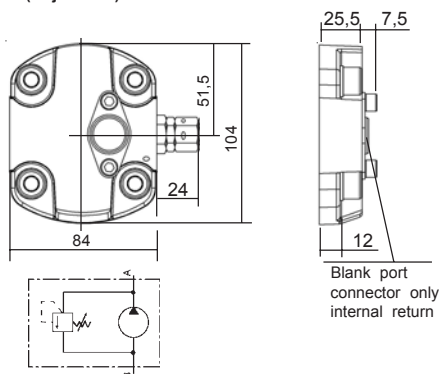
A

with ports



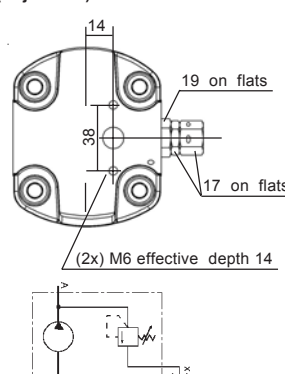
X

High pressure relief valve
(Adjustable) Internal return



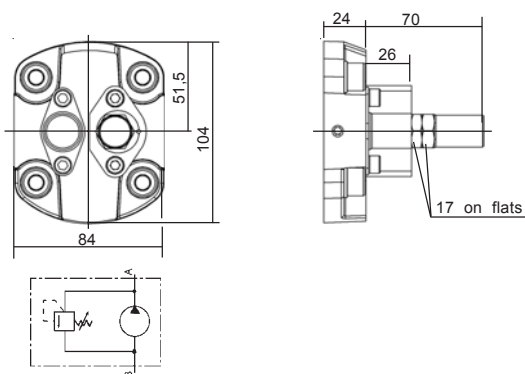
T

High pressure relief valve
(Adjustable) External return



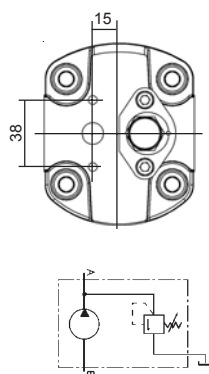
V

Low Pressure relief valve
(Adjustable) Internal return



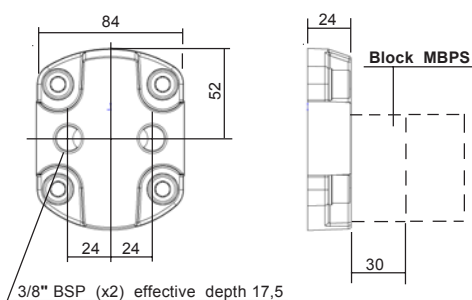
W

Low Pressure relief valve
(Adjustable) External return



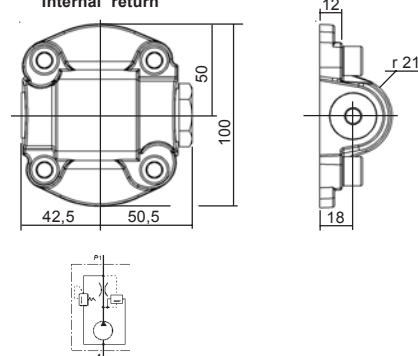
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1344 3/4

Consult us for availability

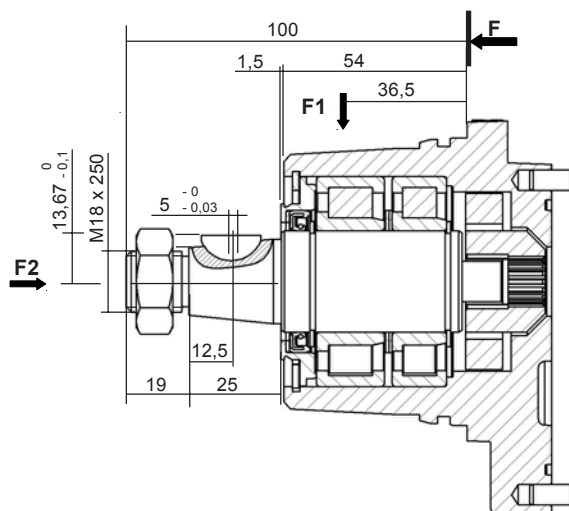
DRIVING SHAFT

Tapered

10

C05

Cône 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1344 4/4

Consult us for availability

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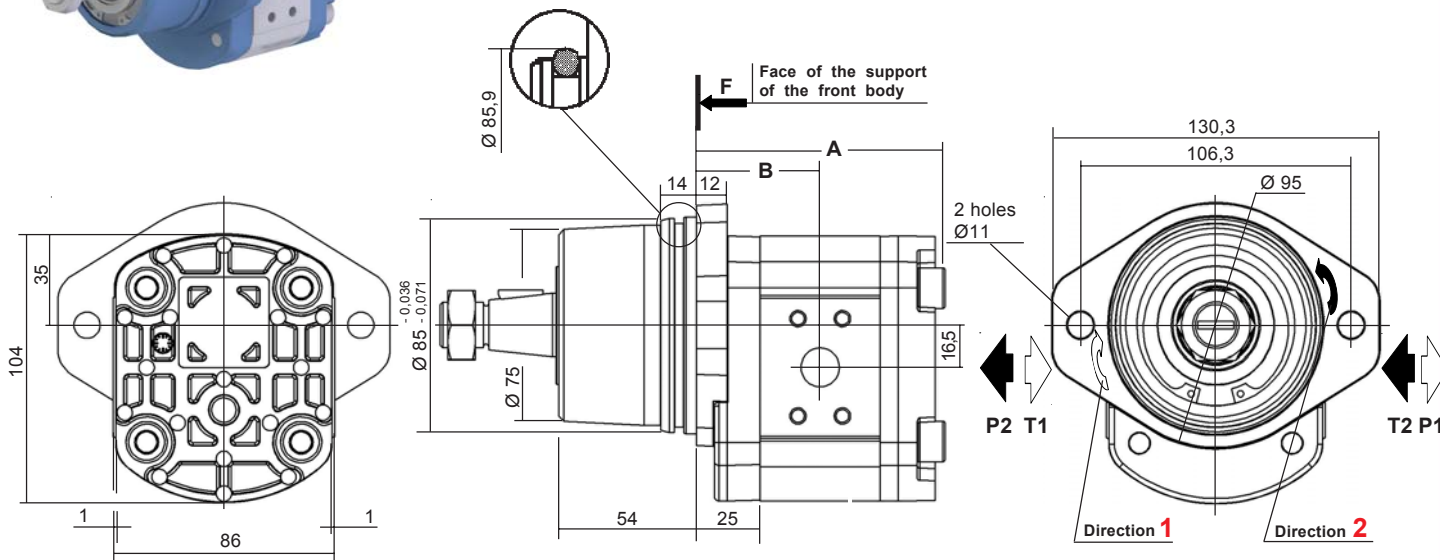
[main dimensions](#)

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P II Sign AR K 2 5 VI Sign H L 1 0 C05 XII Sign

For CODIFICATION, see data sheet F.T R 0011



CHOICE of the capacity	Dimensions	
	A	B
12	112	56
15 - 17 - 18 - 22	128	64

Multiples geared pumps, see data sheet F.T 20 1306

Seal kits:

Nitrile: K112366 + K5069830 + K106139

Viton: K112366 + K5069840 + K106139

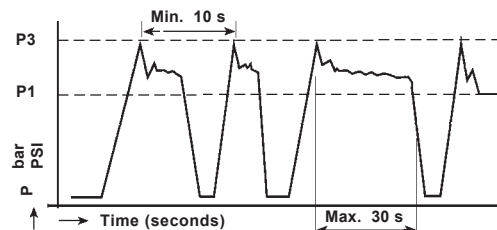
(For the manufacturings from february 1986)

MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

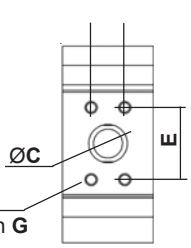
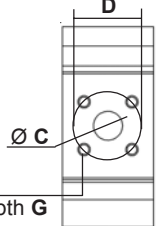
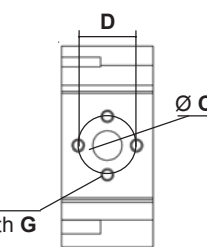
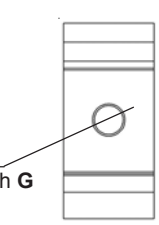
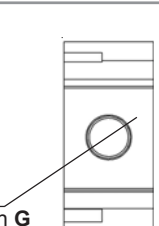
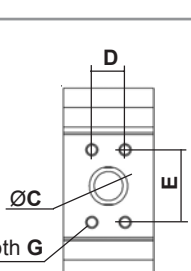
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
H (HPI) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
C (Square) 	2512 2514 2515 2517 2518 2522	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
B (Italian) 	2512 2514 2515 2517 2518 2522	23,5	40		M8	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
F (Threaded) 	2512 2514 2515 2517 2518 2522				1" Gaz	18				1/2" Gaz	14		
U (Threaded SAE J 475) 	2512 2514 2515 2517 2518 2522				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
Y (ISO 6162) 	2512 2514 2515 2517 2518 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
		26	52,4	26,2	M10	14	15	17,4	38	M8	14		
X (without ports) 	2512 2514 2515 2517 2518 2522	Only with rear body Type A											

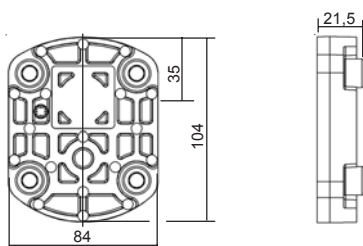
Dimensions readings and approximative characteristics subject to modifications.

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 Consult us for availability

REAR BODIES

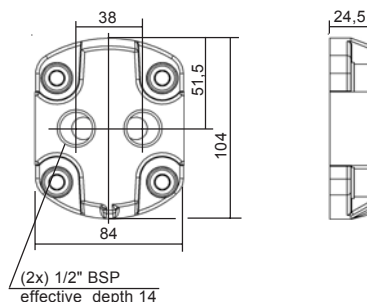
L

Standard



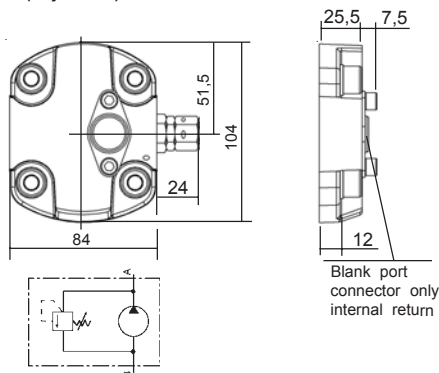
A

with ports



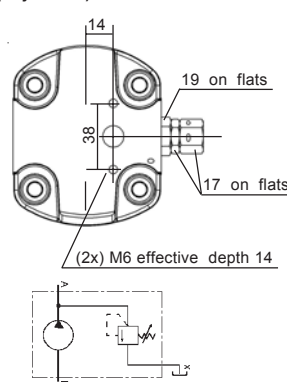
X

High pressure relief valve
(Adjustable) Internal return



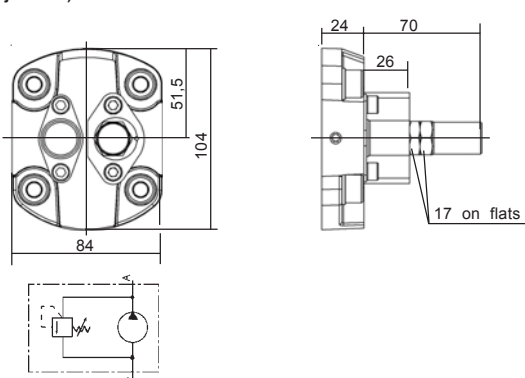
T

High pressure relief valve
(Adjustable) External return



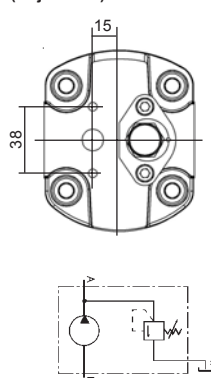
V

Low Pressure relief valve
(Adjustable) Internal return



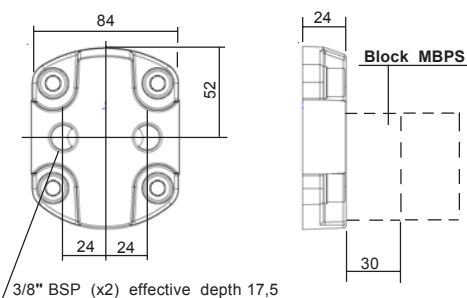
W

Low Pressure relief valve
(Adjustable) External return



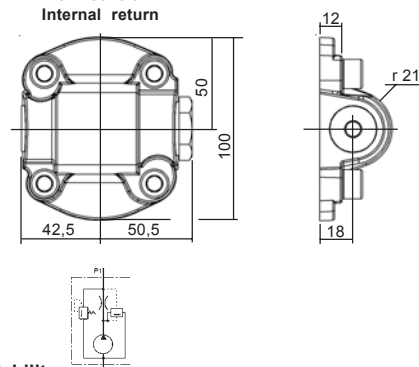
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1346 3/4

Consult us for availability

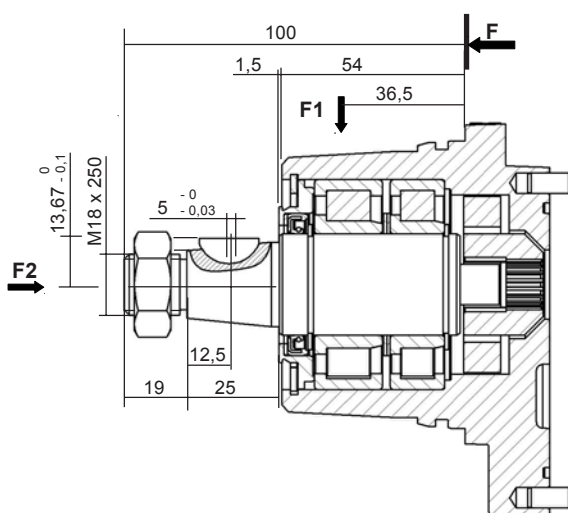
DRIVING SHAFT

Tapered

10

C05

Cône 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1346 4/4

Consult us for availability

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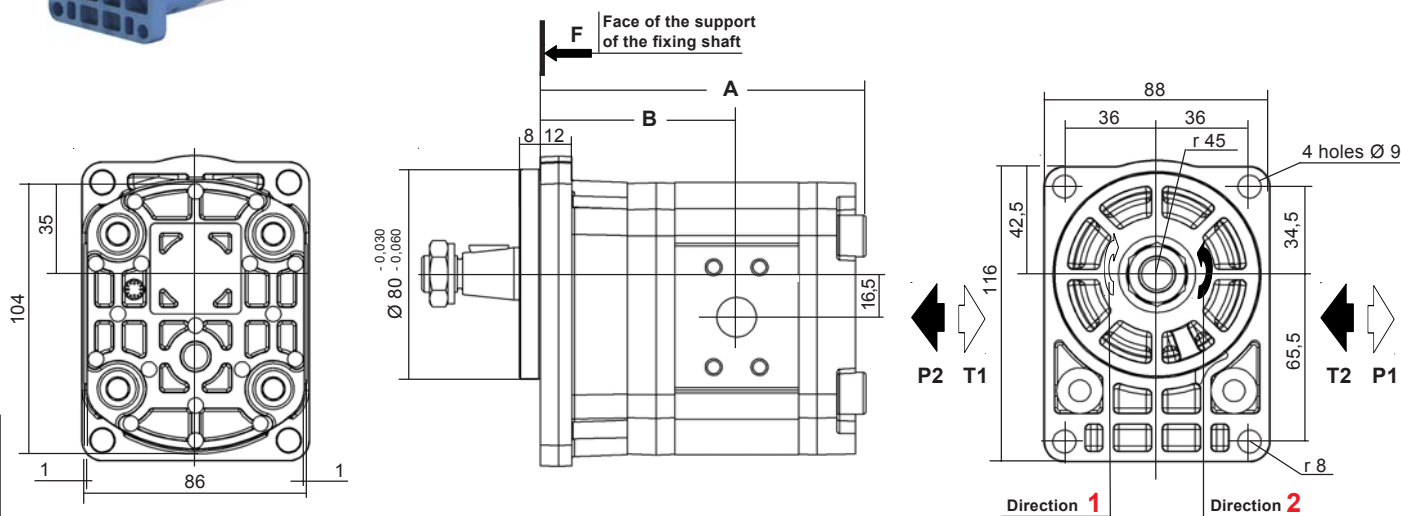
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[main dimensions](#)

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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5073298 + K5096830**

Viton: **K5073299 + K5096840**

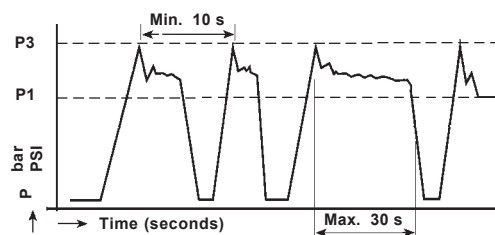
(For the manufacturings from may 1986)

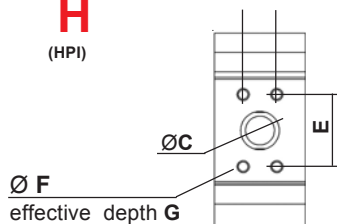
MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

Capacity
**INLET
(T)**
**OUTLET
(P)**
CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

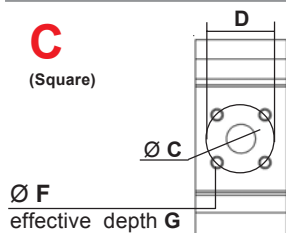
INLET (T)
OUTLET (P)

2512
2514
2515
2517
2518
2522

ØC	D	E	ØF	G	ØC	D	E	ØF	G
26	47,6	22,4	M6	12	15	17,4	38	M6	12

1 " BSP
N: 2.500496
V: 2.504117

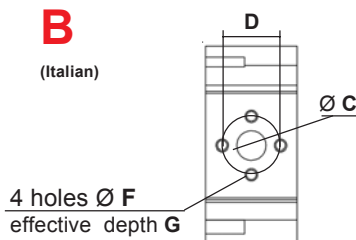
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20	40		M6	12	15	35		M6	12
----	----	--	----	----	----	----	--	----	----

3 / 4 " BSP
N: 367141.503

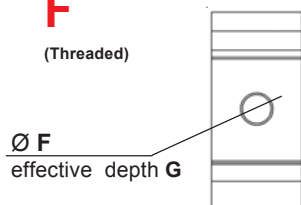
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

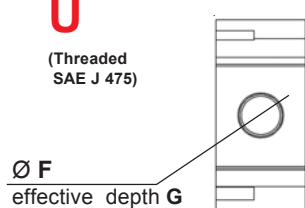
23,5	40		M8	13	15	30		M6	13
------	----	--	----	----	----	----	--	----	----

1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

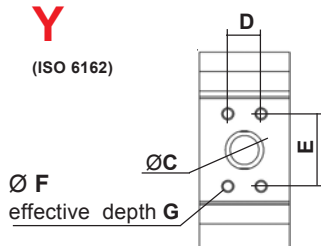
3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

			1" Gaz	18				1/2" Gaz	14
--	--	--	--------	----	--	--	--	----------	----

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

			1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
			1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26	47,6	22,4	M10	14	15	17,4	38	M8	14
26	52,4	26,2	M10	14	15	17,4	38	M8	14

X
(without ports)

2512
2514
2515
2517
2518
2522

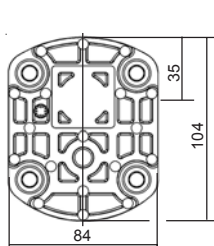
Only with rear body Type A

Consult us for availability

REAR BODIES

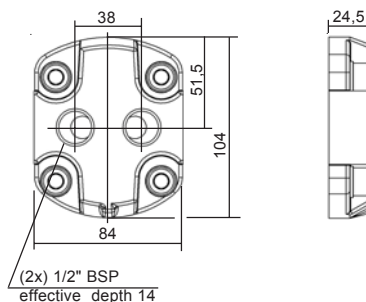
L

Standard



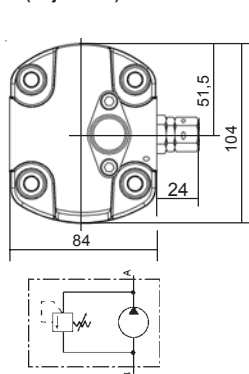
A

with ports



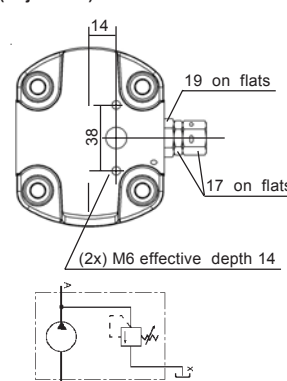
X

High pressure relief valve
(Adjustable) Internal return



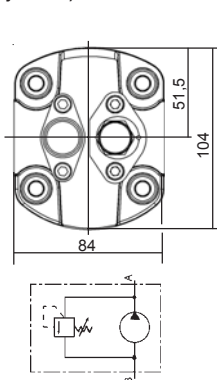
T

High pressure relief valve
(Adjustable) External return



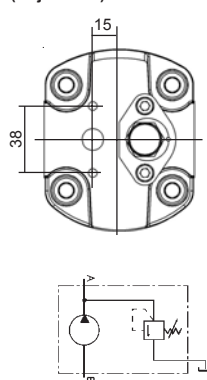
V

Low Pressure relief valve
(Adjustable) Internal return



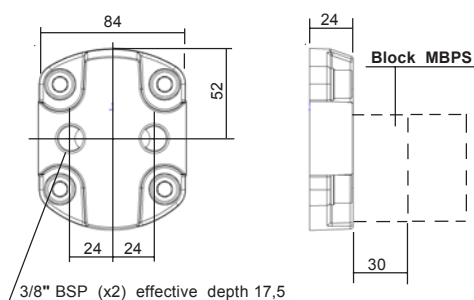
W

Low Pressure relief valve
(Adjustable) External return



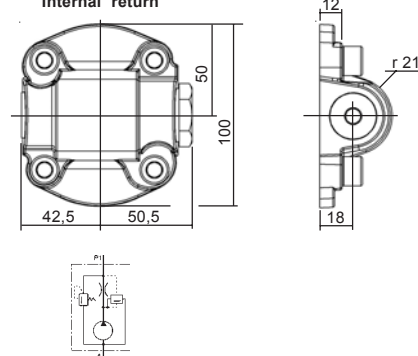
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1348 3/4

Consult us for availability

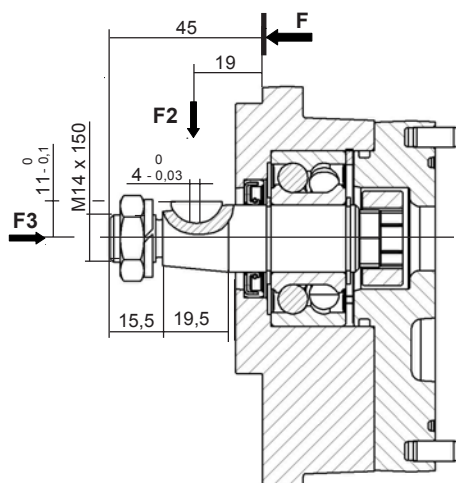
DRIVING SHAFTS

Tapered

10

C07

Taper 1 / 5



Delivered with Nut: K102045

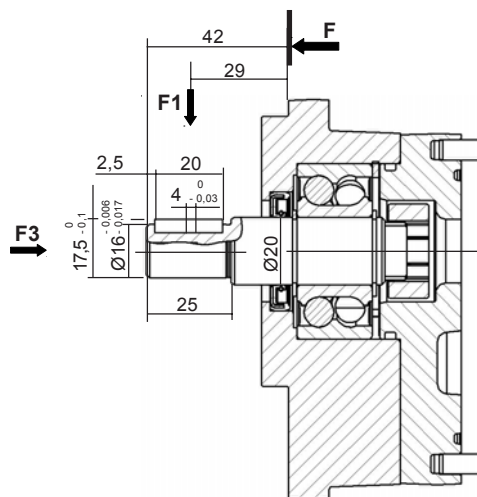
F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Straight keyed

20

C15



F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1348 4/4

Consult us for availability

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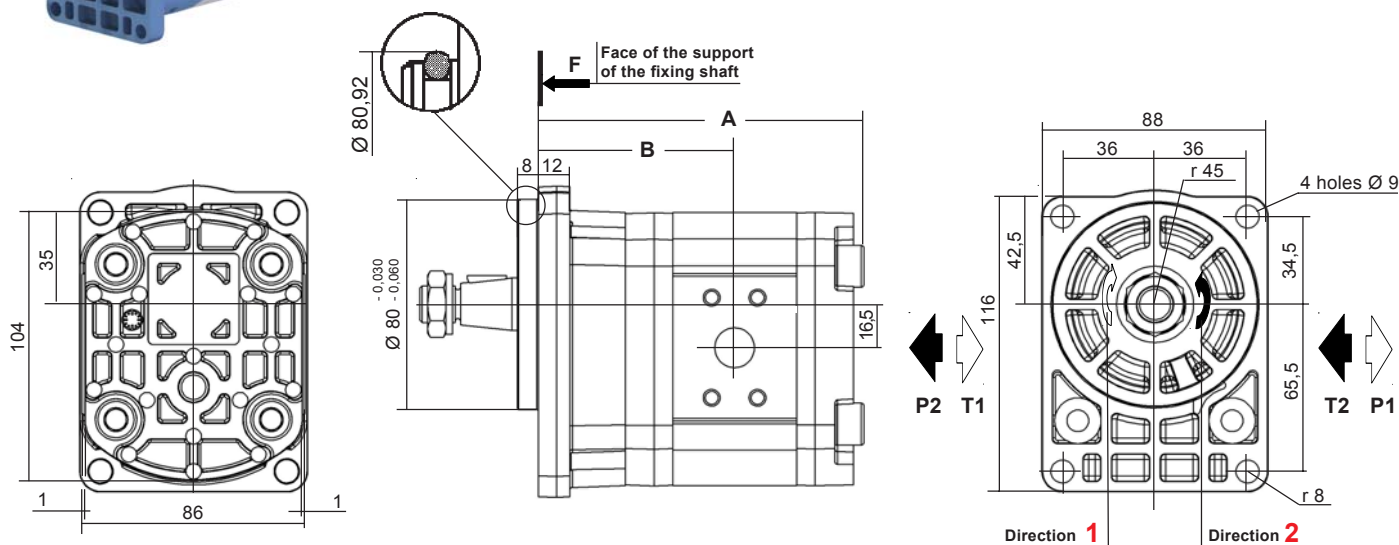
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[main dimensions](#)

PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

Multiples geared pumps, see data sheet **F.T 20 1306**

Seal kits:

Nitrile: **K5073298 + K5069830 + K101517**

Viton: **K5073299 + K5069840 + K104406**

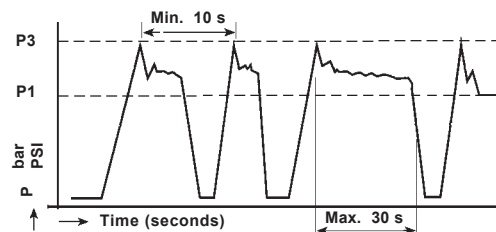
(For the manufacturings from may 1986)

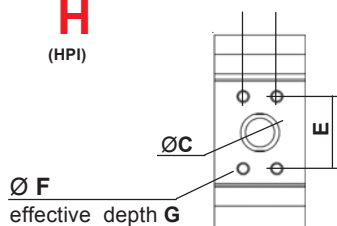
MODEL	Capacity	PEAK PRESSURE		MAX WORKING PRESSURE		Max. speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Max. speed			
							l / min	l / min			
2512	12	300	4350	255	3697	3500	18	42	2,35	22,45	2,8
2515	15,52	300	4350	240	3480	3500	23,25	52,5	3,04	29,03	3,1
2517	17,3	300	4350	220	3190	3500	25,95	60,55	3,39	32,36	3,2
2518	19,12	300	4350	215	3117	3500	28,65	66,8	3,75	35,77	3,3
2522	22,87	300	4350	190	2755	3500	34,2	79,8	4,48	42,78	3,4

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

2512
2514
2515
2517
2518
2522

Capacity
INLET (T)

ØC D E ØF G

26 47,6 22,4 M6 12
15 17,4 38 M6 12

OUTLET (P)

ØC D E ØF G

15 17,4 38 M6 12

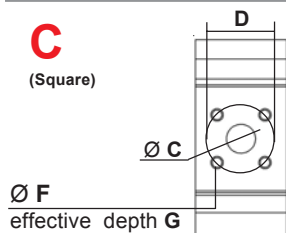
CATALOGUE N° 70
Ref. of RECOMMENDED FLANGES
(for speed 1500 rev / min)

INLET (T)

1 " BSP
N: 2.500496
V: 2.504117

OUTLET (P)

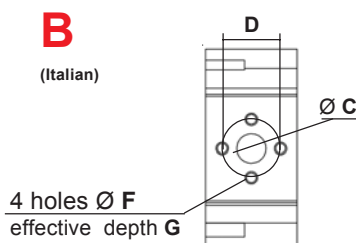
1 / 2 " BSP
N: 2.500055
V: 2.504126

C
(Square)

2512
2514
2515
2517
2518
2522

20 40 M6 12
15 35 M6 12

3 / 4 " BSP
N: 367141.503

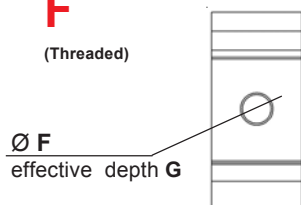
1 / 2 " BSP
N: 367141.703

B
(Italian)

2512
2514
2515
2517
2518
2522

23,5 40 M8 13
15 30 M6 13

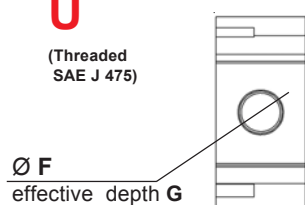
1 / 2 " BSP
N: X.367508.101
3 / 4 " BSP
N: X.367508.102

3 / 8 " BSP
N: X.367508.201
1 / 2 " BSP
N: X.367508.202

F
(Threated)

2512
2514
2515
2517
2518
2522

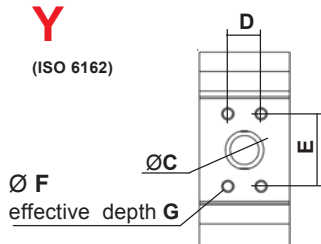
1" Gaz 18

1/2" Gaz 14

U
(Threated
SAE J 475)

2512
2514
2515
2517
2518
2522

1"5/16 12 UNF 2B 20
1"5/16 12 UNF 2B 20

7/8" 14 UNF 2B 17
1"1/16 12 UNF 2B 20

Y
(ISO 6162)

2512
2514
2515
2517
2518
2522

26 47,6 22,4 M10 14
26 52,4 26,2 M10 14

15 17,4 38 M8 14
15 17,4 38 M8 14

X
(without ports)

2512
2514
2515
2517
2518
2522

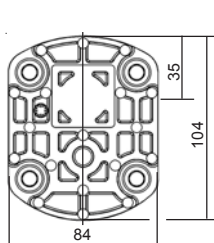
Only with rear body Type A

Consult us for availability

REAR BODIES

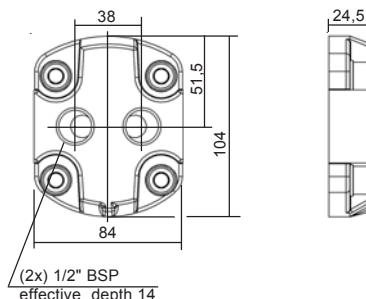
L

Standard



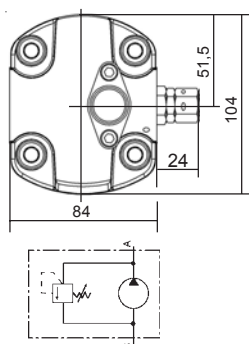
A

with ports



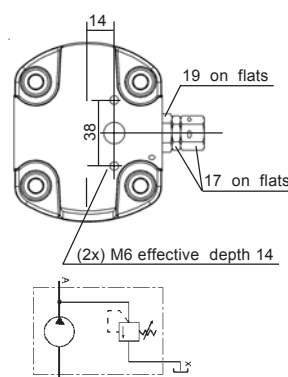
X

High pressure relief valve
(Adjustable) Internal return



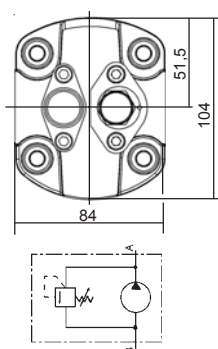
T

High pressure relief valve
(Adjustable) External return



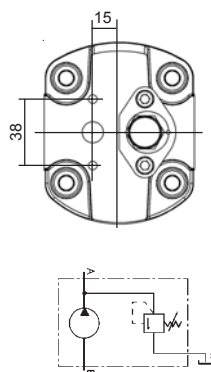
V

Low Pressure relief valve
(Adjustable) Internal return



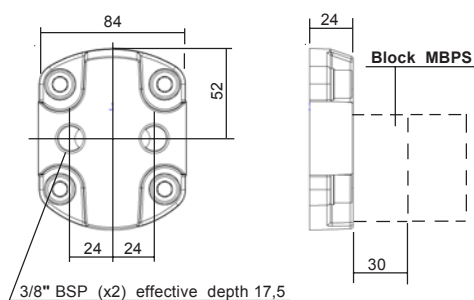
W

Low Pressure relief valve
(Adjustable) External return



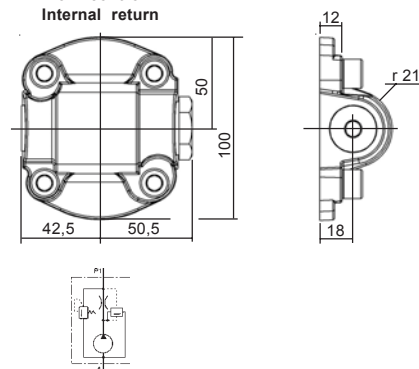
AR

with block configuration MBPS



Q

Flow control
Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1350 3/4

Consult us for availability

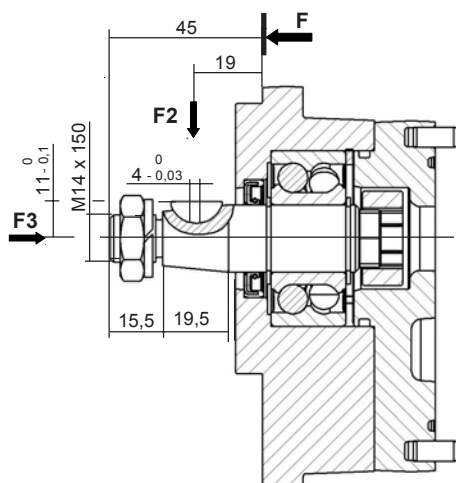
DRIVING SHAFTS

Tapered

10

C07

Taper 1 / 5



Delivered with Nut: K102045

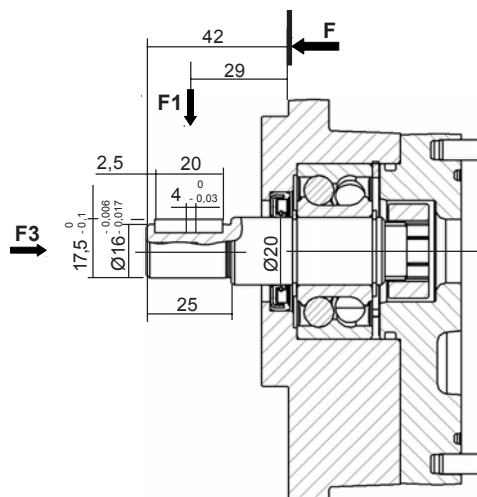
F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Straight keyed

20

C15



F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1350 4/4

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PUBLISHING 17 / 03 / 2011

CODIFICATION

Data sheet

F.T R 0268

**PUMPS PRESENTATION
"SPECIAL" SERIES 2**

Data sheet

F.T 20 1409

PUMP

79



Data sheet

F.T 20 1410

PUMP

86



Data sheet

F.T 20 1411

PUMP

87



Data sheet

F.T 20 1412

PUMP

95



Data sheet

F.T 20 1413

Consult us for availability

home

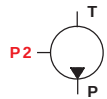
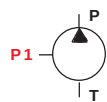
contents

previous

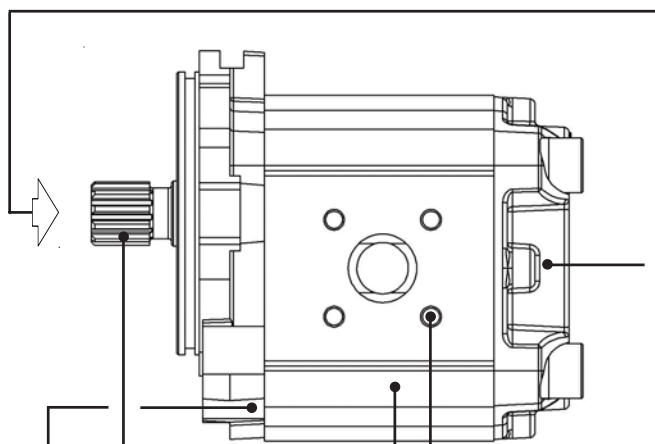
next

main dimensions

PUBLISHING 17 / 03 / 2011



P Outlet
T Inlet



P I Sign	C II Sign	79 III / IV Signs	F V Sign	A VI Sign	2 VII Sign	004 VIII / IX / X Signs	A XI Sign	1 XII Sign	AA XIII / XIV Signs	00 XV / XVI Signs
--------------------	---------------------	-----------------------------	--------------------	---------------------	----------------------	-----------------------------------	---------------------	----------------------	-------------------------------	-----------------------------

PuMP

STANDARD
CATALOGUE

FRONT BODY

2 holes SAE with tightness
on spigot joint
2 holes SAE
4 holes DIN
2 holes with tightness
on spigot joint

79
86
87
95

CODE of SHAFT

Splined ANSI B92 (11 teeth)

F

DIMENSION of EXIT SHAFT
(by report of the fixing flange)

31,5
32,9
37,7

A
B
C

CODE of the SERIES

Series 2

2

CAPACITY (cc / rev)

(00)4 - (00)6 - (00)8 - (0)10 - (0)12 - (0)14 - (0)16 - (0)18 - (0)20 - (0)22 - (0)25

(0) - Only for codification purposes

OPTION

00 Without option
01 Shaft seal in Viton
02 Double lips shaft seals
in Viton
10 Etanchéité entre pompes
11 = 10 + 01
12 = 10 + 02

REAR BODY

AA Standard

DIRECTION of ROTATION

1 Clockwise
2 Anti - Clockwise

PORT LOCATION

C DIN location
B Italian location
Y ISO location
F BSPP location

Dimensions readings and approximative characteristics subject to modifications.

F.T R 0268

Consult us for availability

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PUBLISHING 04 / 01 / 2012

MODEL	Capacity cc / rev	MAX CONTINUOUS PRESSURE in bar	MAX PEAK PRESSURE* in bar	Mini Speed RPM	Max speed RPM	Drive torque at 100 bar 2000 RPM** in N.m
2004	4,1	250	270	1000	6000	8
2006	6,2	250	270	1000	6000	13
2008	8,3	250	270	750	6000	17
2010	10,3	250	270	500	6000	21
2012	12,4	250	270	500	5000	25
2014	14,5	250	270	500	5000	29
2016	16,5	250	270	500	4000	30
2018	18,6	250	270	500	3500	34
2020	20,6	240	260	500	3500	38
2022	22,7	230	250	500	3000	42
2025	24,8	200	220	500	3000	46

* Maximum duration = 0,5 s.

** In the case of multistage pumps, the sum of the driving torque of the stage which simultaneously run, must be less than the maximum torque permitted to the drive shaft.
- Maximum drive torque on the coupling between stages: 70N.m .

General characteristics:

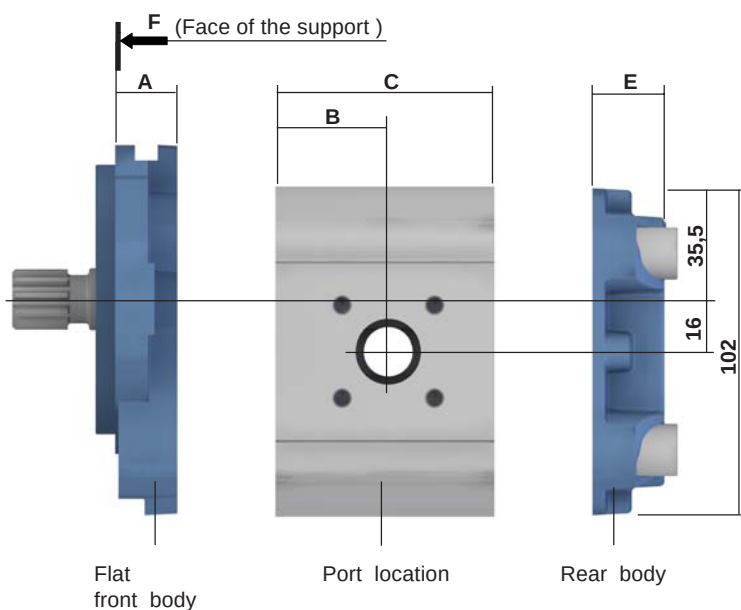
For using beside these limits, please ask our technical department.

FLAT FRONT BODY

Front bodies:	A
79 - 86 - 87	19
95	27

Port location (capacity)	B	C
2004	24	45,95
2006	25,5	48,95
2008	27	51,95
2010	28,5	54,95
2012	30	57,95
2014	31,5	60,95
2016	33	63,95
2018	34,5	66,95
2020	36	69,95
2022	37,5	72,95
2025	39	75,95

Rear bodies:	E
AA	22



Non Standard Product,
Contact us

P C III - IV Sign F A 2 VIII - XI - X Sign XI Sign XII Sign XIII - XIV Sign XV - XVI Sign

For CODIFICATION, see data sheet **F.T R 0268**

DIRECTION of ROTATION (XI Sign)	FRONT BODIES (III and IV Sign)	CAPACITY (VIII - IX - X Sign)	PORT LOCATION (XI Sign)				REAR BODIES (XII - XIII Sign)	DRIVING SHAFT (V - VI Sign) SPLINED F (11 teeth)
			C	B	Y	F		

X	X	 79						
X	X	 86						
X	X	 87						
X	X	 95						
			4	6	8	10	12	14
			16	18	20	22	25	

LEGENDES

PRODUCT TYPE

P = Pump

TECHNOLOGIC VERSION

C = Standard Catalogue

PORT LOCATION

C = DIN implantation
B = Italian implantation
Y = ISO implantation
F = BSP implantation

FLAT FRONT BODIES

79 = SAE with tightness on spigot joint
86 = SAE
87 = DIN
95 = PERKINS

REAR BODIES

AA = Standard

DRIVING SHAFT

F = Splined ANSI B92 (11 teeth)

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1409 2/5

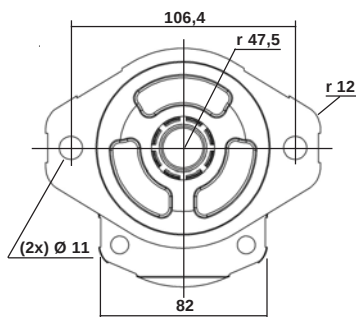
Consult us for availability

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PUBLISHING 04 / 01 / 2012

FLAT FRONT BODIES

79

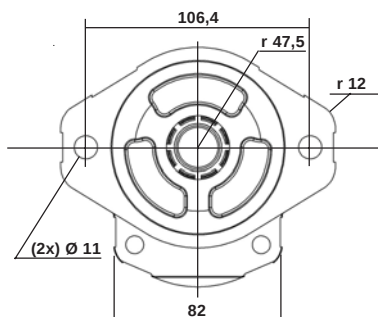


Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$

Thickness: $6,5 \begin{smallmatrix} 0 \\ -0,2 \end{smallmatrix}$

79 : F.T 20 1410

86

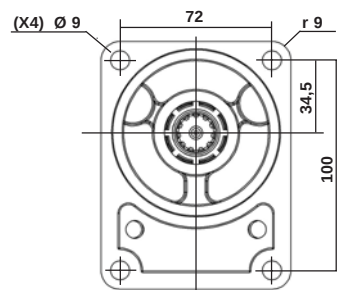


Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$

Tightness: $6 \begin{smallmatrix} 0 \\ -0,2 \end{smallmatrix}$

86 : F.T 20 1411

87

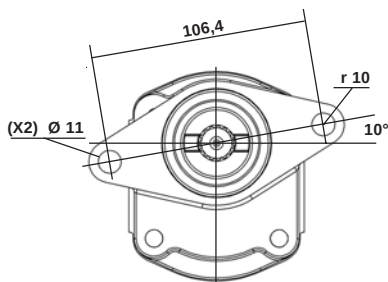


Centering: $\varnothing 80 \begin{smallmatrix} -0,060 \\ -0,0106 \end{smallmatrix}$

Tightness: $7 \begin{smallmatrix} 0 \\ -0,2 \end{smallmatrix}$

87 : F.T 20 1412

95



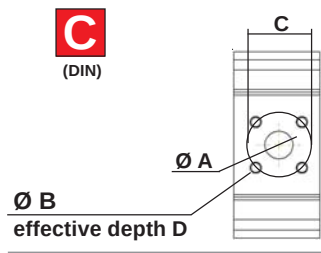
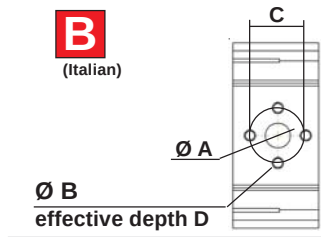
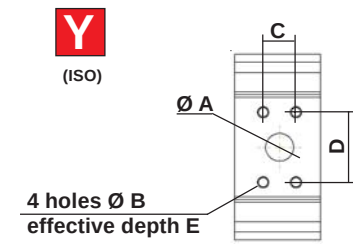
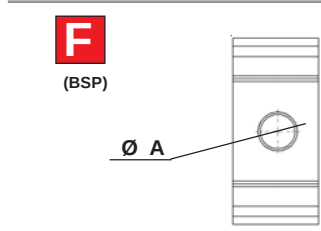
Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$

Tightness: $11 \pm 0,165$

87 : F.T 20 1412

Dimensions readings and approximative characteristics subject to modifications.

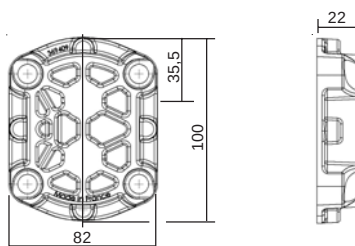
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)				
		ØA	ØB	ØC	D	E	ØA	ØB	ØC	D	E
C (DIN) 	2004 bis 2025	20	M6	40	13		15	M6	35	13	
B (Italian) 	2004 bis 2010	13,5	M6	30	13		13,5	M6	30	13	
	2015 bis 2025	20	M8	40	13		13,5	M6	30	13	
Y (ISO) 	2004 bis 2016	15	M8	17,4	38	14	15	M8	17,4	38	14
	2018 bis 2025	20	M10	47,6	22,4	14	15	M8	38	17,4	14
F (BSP) 	2004 bis 2012	1/2" BSP					1/2" BSP				
	2014 bis 2025	3/4" BSP					1/2" BSP				

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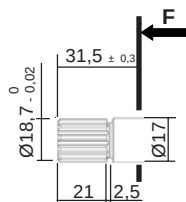
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Splined

F (11 teeth)

F A

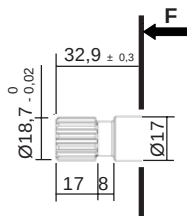


Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle

Max. transmissible torque

70 N.m

F B

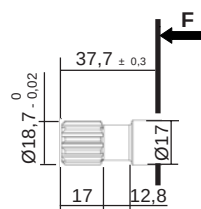


Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle

Max. transmissible torque

70 N.m

F C



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle

Max. transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

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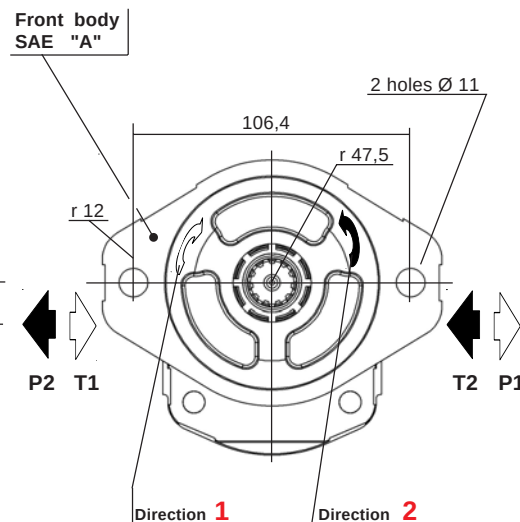
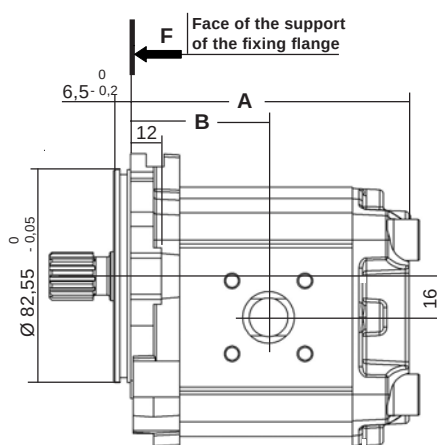
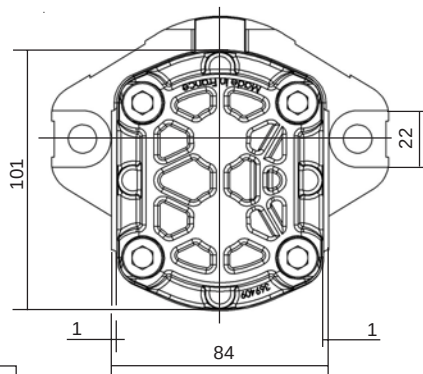
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For CODIFICATION, see data sheets **F.T R 0268**



CHOICE of the Capacity	Dimensions	
	A	B

2004	86,95	65
2006	89,95	66,5
2008	92,95	68
2010	95,95	69,5
2012	98,95	72
2014	101,95	73,5
2016	104,95	75
2018	107,95	76,5
2020	110,95	78
2022	113,95	79,5
2025	116,95	81

MODEL	Capacity cc / rev	MAX CONTINUOUS PRESSURE in bar	MAX PEAK PRESSURE* in bar	Mini Speed RPM	Max speed RPM	Drive torque at 100 bar 2000 RPM** in N.m
2004	4,1	250	270	1000	6000	8
2006	6,2	250	270	1000	6000	13
2008	8,3	250	270	750	6000	17
2010	10,3	250	270	500	6000	21
2012	12,4	250	270	500	5000	25
2014	14,5	250	270	500	5000	29
2016	16,5	250	270	500	4000	30
2018	18,6	250	270	500	3500	34
2020	20,6	240	260	500	3500	38
2022	22,7	230	250	500	3000	42
2025	24,8	200	220	500	3000	46

* Maximum duration = 0,5 s.

** In the case of multistage pumps, the sum of the driving torque of the stage which simultaneously run, must be less than the maximum torque permitted to the drive shaft.
- Maximum drive torque on the coupling between stages: 70N.m.

General characteristics:

For using beside these limits, please ask our technical department.

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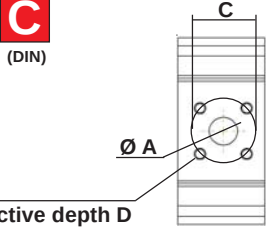
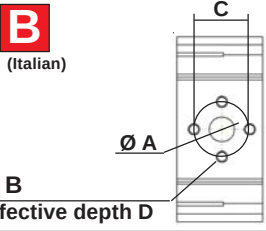
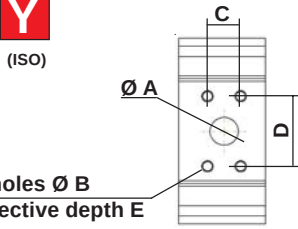
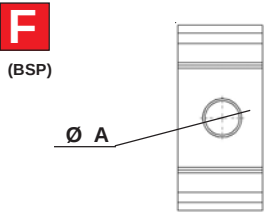
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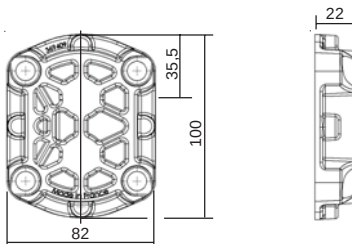
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	Capacity	INLET (T)					OUTLET (P)				
		ØA	ØB	ØC	D	E	ØA	ØB	ØC	D	E
C (DIN) 	2004 bis 2025	20	M6	40	13		15	M6	35	13	
B (Italian) 	2004 bis 2010	13,5	M6	30	13		13,5	M6	30	13	
	2015 bis 2025	20	M8	40	13		13,5	M6	30	13	
Y (ISO) 	2004 bis 2016	15	M8	17,4	38	14	15	M8	17,4	38	14
	2018 bis 2025	20	M10	47,6	22,4	14	15	M8	38	17,4	14
F (BSP) 	2004 bis 2012	1/2" BSP					1/2" BSP				
	2014 bis 2025	3/4" BSP					1/2" BSP				

Dimensions readings and approximative characteristics subject to modifications.

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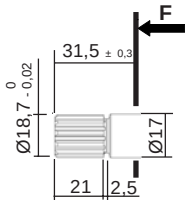
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DRIVING SHAFT

Splined

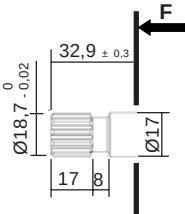
F (11 teeth)

F A



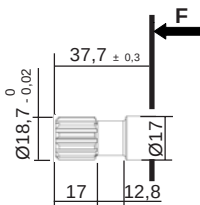
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F B



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F C



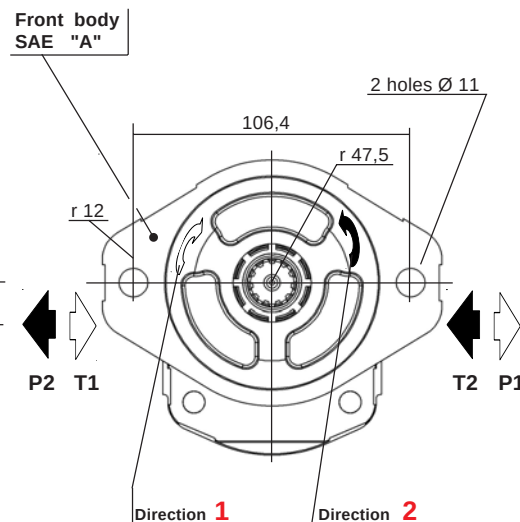
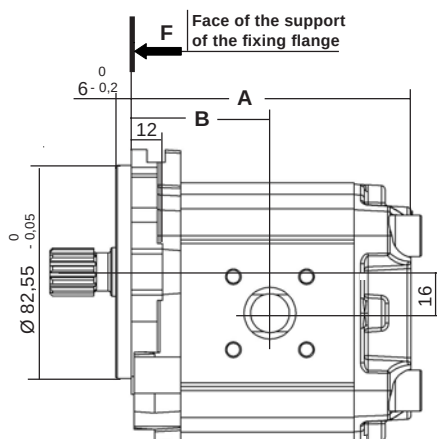
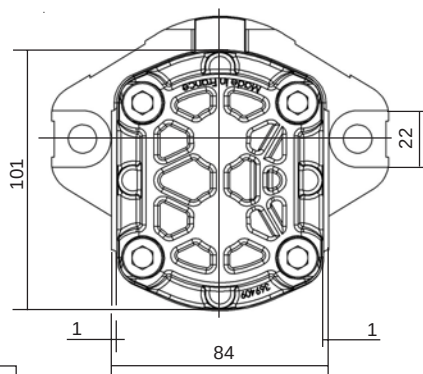
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.



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For CODIFICATION, see data sheets F.T R 0268



CHOICE of the Capacity	Dimensions
	A B

2004	86,95	65
2006	89,95	66,5
2008	92,95	68
2010	95,95	69,5
2012	98,95	72
2014	101,95	73,5
2016	104,95	75
2018	107,95	76,5
2020	110,95	78
2022	113,95	79,5
2025	116,95	81

MODEL	Capacity cc / rev	MAX CONTINUOUS PRESSURE in bar	MAX PEAK PRESSURE* in bar	Mini Speed RPM	Max speed RPM	Drive torque at 100 bar 2000 RPM** in N.m
2004	4,1	250	270	1000	6000	8
2006	6,2	250	270	1000	6000	13
2008	8,3	250	270	750	6000	17
2010	10,3	250	270	500	6000	21
2012	12,4	250	270	500	5000	25
2014	14,5	250	270	500	5000	29
2016	16,5	250	270	500	4000	30
2018	18,6	250	270	500	3500	34
2020	20,6	240	260	500	3500	38
2022	22,7	230	250	500	3000	42
2025	24,8	200	220	500	3000	46

* Maximum duration = 0,5 s.

** In the case of multistage pumps, the sum of the driving torque of the stage which simultaneously run, must be less than the maximum torque permitted to the drive shaft.
- Maximum drive torque on the coupling between stages: 70N.m.

General characteristics:

For using beside these limits, please ask our technical department.

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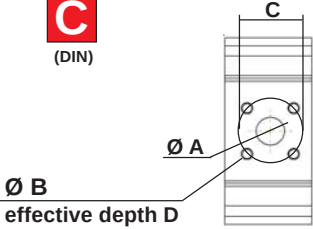
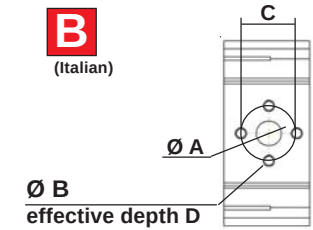
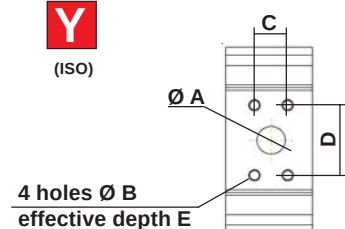
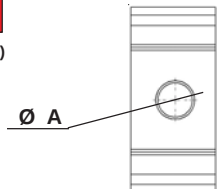
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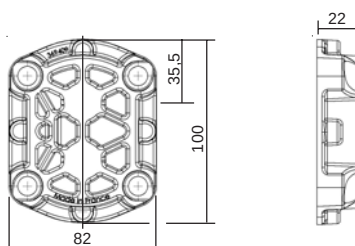
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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)				
		ØA	ØB	ØC	D	E	ØA	ØB	ØC	D	E
C (DIN) 	2004 bis 2025	20	M6	40	13		15	M6	35	13	
B (Italian) 	2004 bis 2010	13,5	M6	30	13		13,5	M6	30	13	
	2015 bis 2025	20	M8	40	13		13,5	M6	30	13	
Y (ISO) 	2004 bis 2016	15	M8	17,4	38	14	15	M8	17,4	38	14
	2018 bis 2025	20	M10	47,6	22,4	14	15	M8	38	17,4	14
F (BSP) 	2004 bis 2012	1/2" BSP					1/2" BSP				
	2014 bis 2025	3/4" BSP					1/2" BSP				

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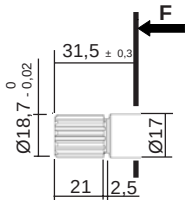
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Splined

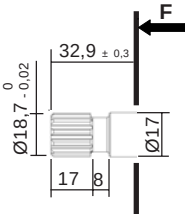
F (11 teeth)

F A



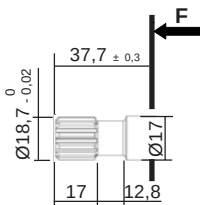
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F B



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

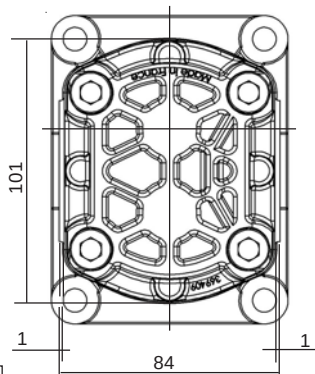
F C



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

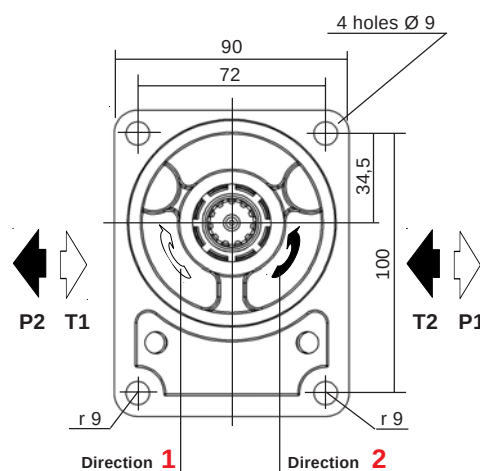
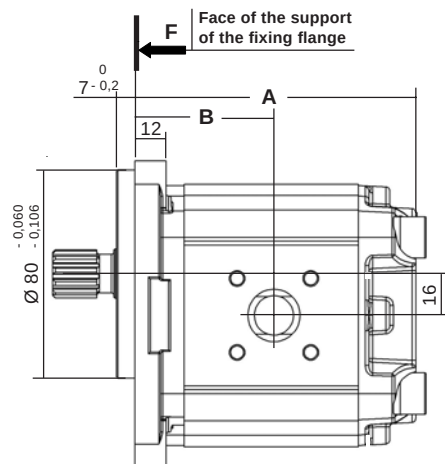
Dimensions readings and approximative characteristics subject to modifications.

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For CODIFICATION, see data sheets **F.T R 0268**



CHOICE of the Capacity	Dimensions	
	A	B

2004	86,95	65
2006	89,95	66,5
2008	92,95	68
2010	95,95	69,5
2012	98,95	72
2014	101,95	73,5
2016	104,95	75
2018	107,95	76,5
2020	110,95	78
2022	113,95	79,5
2025	116,95	81

MODEL	Capacity cc / rev	MAX CONTINUOUS PRESSURE in bar	MAX PEAK PRESSURE* in bar	Mini Speed RPM	Max speed RPM	Drive torque at 100 bar 2000 RPM** in N.m
2004	4,1	250	270	1000	6000	8
2006	6,2	250	270	1000	6000	13
2008	8,3	250	270	750	6000	17
2010	10,3	250	270	500	6000	21
2012	12,4	250	270	500	5000	25
2014	14,5	250	270	500	5000	29
2016	16,5	250	270	500	4000	30
2018	18,6	250	270	500	3500	34
2020	20,6	240	260	500	3500	38
2022	22,7	230	250	500	3000	42
2025	24,8	200	220	500	3000	46

* Maximum duration = 0,5 s.

** In the case of multistage pumps, the sum of the driving torque of the stage which simultaneously run, must be less than the maximum torque permitted to the drive shaft.
- Maximum drive torque on the coupling between stages: 70N.m.

General characteristics:

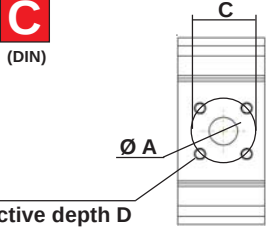
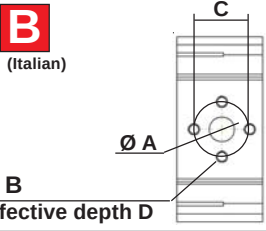
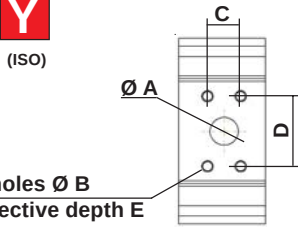
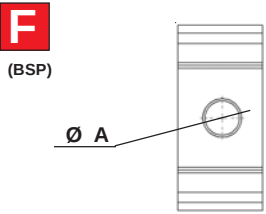
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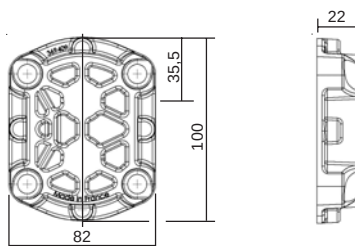
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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)				
		ØA	ØB	ØC	D	E	ØA	ØB	ØC	D	E
C (DIN) 	2004 bis 2025	20	M6	40	13		15	M6	35	13	
B (Italian) 	2004 bis 2010	13,5	M6	30	13		13,5	M6	30	13	
	2015 bis 2025	20	M8	40	13		13,5	M6	30	13	
Y (ISO) 	2004 bis 2016	15	M8	17,4	38	14	15	M8	17,4	38	14
	2018 bis 2025	20	M10	47,6	22,4	14	15	M8	38	17,4	14
F (BSP) 	2004 bis 2012	1/2" BSP					1/2" BSP				
	2014 bis 2025	3/4" BSP					1/2" BSP				

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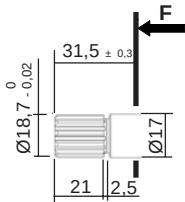
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Splined

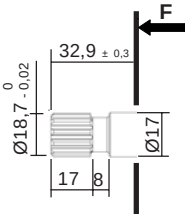
F (11 teeth)

F A



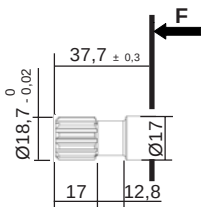
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F B



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F C



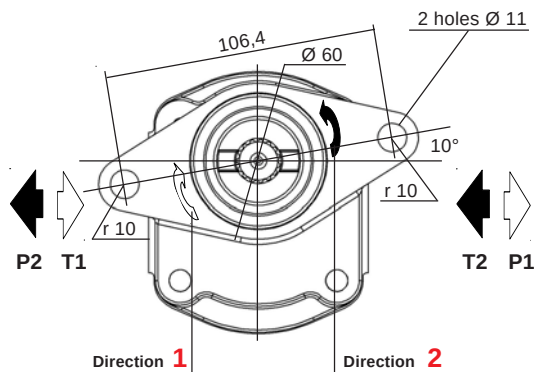
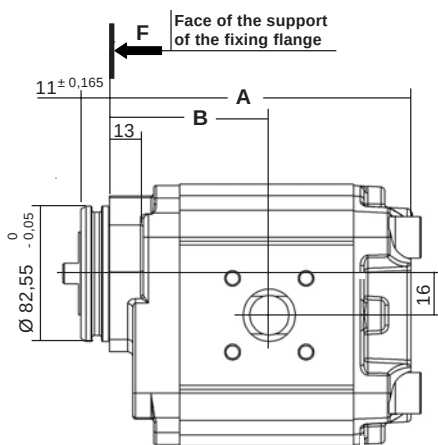
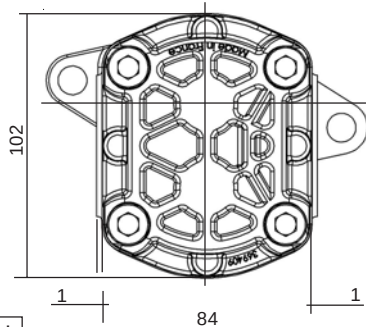
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.

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For CODIFICATION, see data sheets **F.T R 0268**



CHOICE of the Capacity	Dimensions	
	A	B

2004	86,95	65
2006	89,95	66,5
2008	92,95	68
2010	95,95	69,5
2012	98,95	72
2014	101,95	73,5
2016	104,95	75
2018	107,95	76,5
2020	110,95	78
2022	113,95	79,5
2025	116,95	81

MODEL	Capacity cc / rev	MAX CONTINUOUS PRESSURE in bar	MAX PEAK PRESSURE* in bar	Mini Speed RPM	Max speed RPM	Drive torque at 100 bar 2000 RPM** in N.m
2004	4,1	250	270	1000	6000	8
2006	6,2	250	270	1000	6000	13
2008	8,3	250	270	750	6000	17
2010	10,3	250	270	500	6000	21
2012	12,4	250	270	500	5000	25
2014	14,5	250	270	500	5000	29
2016	16,5	250	270	500	4000	30
2018	18,6	250	270	500	3500	34
2020	20,6	240	260	500	3500	38
2022	22,7	230	250	500	3000	42
2025	24,8	200	220	500	3000	46

* Maximum duration = 0,5 s.

** In the case of multistage pumps, the sum of the driving torque of the stage which simultaneously run, must be less than the maximum torque permitted to the drive shaft.
- Maximum drive torque on the coupling between stages: 70N.m .

General characteristics:

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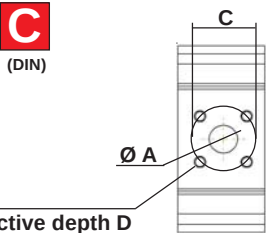
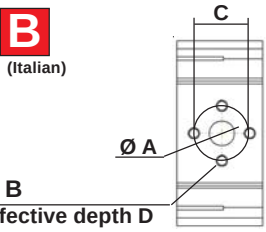
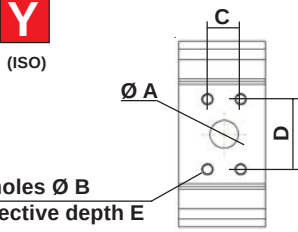
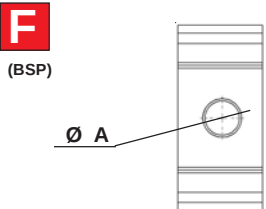
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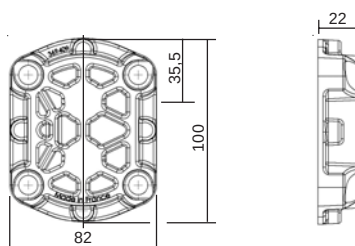
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)				
		ØA	ØB	ØC	D	E	ØA	ØB	ØC	D	E
C (DIN) 	2004 bis 2025	20	M6	40	13		15	M6	35	13	
B (Italian) 	2004 bis 2010	13,5	M6	30	13		13,5	M6	30	13	
	2015 bis 2025	20	M8	40	13		13,5	M6	30	13	
Y (ISO) 	2004 bis 2016	15	M8	17,4	38	14	15	M8	17,4	38	14
	2018 bis 2025	20	M10	47,6	22,4	14	15	M8	38	17,4	14
F (BSP) 	2004 bis 2012	1/2" BSP					1/2" BSP				
	2014 bis 2025	3/4" BSP					1/2" BSP				

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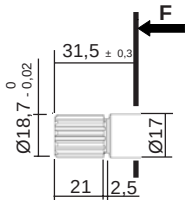
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DRIVING SHAFT

Splined

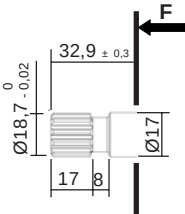
F (11 teeth)

F A



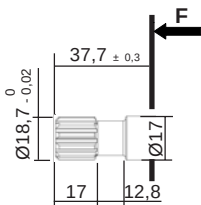
Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F B



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

F C



Involute spline to SAE
11 teeth - Pitch 16/32
30° Pressure angle
Max. transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.

Consult us for availability

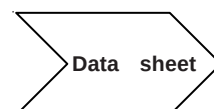
PUMPS PRESENTATION SERIES 2,6



F.T 26 1314

- FLAT FRONT BODIES

PUMP **AAAN**



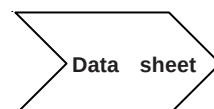
F.T 26 1315

PUMP **AAK**



F.T 26 1351

PUMP **BAN**



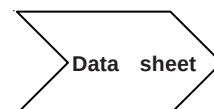
F.T 26 1316

PUMP **CBN**



F.T 26 1317

MULTIPLES PUMPS



F.T 26 1318



Consult us for availability

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			

2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit .

Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).
- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

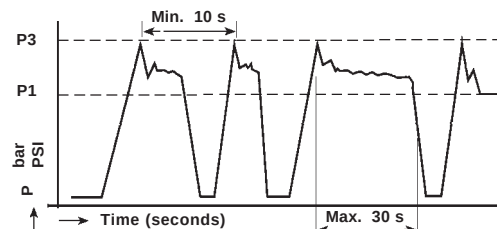
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure P

P3 Allowable peak pressure.



Front bodies:

AAN / AAK - BAN - CBN

A

22

Capacity:

B

C

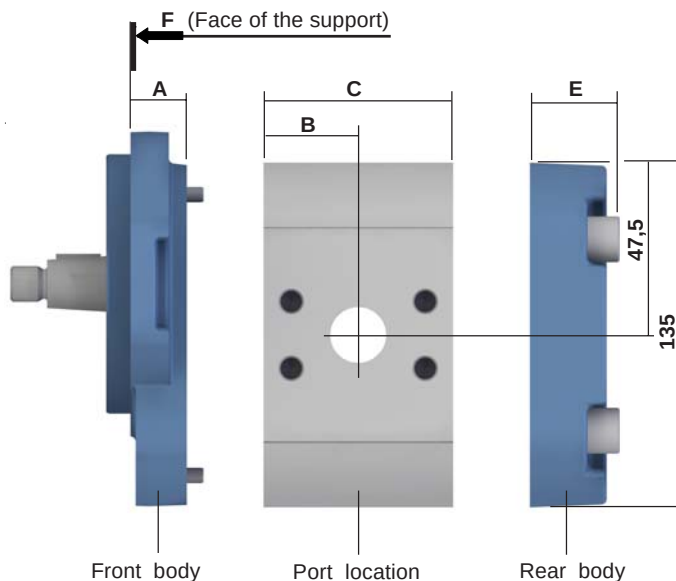
2620	37	74,1
2625	39,3	78,6
2627	41	82
2630	42,5	85,1
2635	44,5	89,1
2640	47,3	94,6

Rear body:

E

L

31,2



P	II Sign	III Sign	IV Sign	26	VI Sign	VII Sign	L	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet F.T R 0011

DIRECTION of ROTATION (II Sign)		FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)		REAR BODIES (VIII Sign)		DRIVING SHAFT (IX , X and XI Sign)			
P 1	P 2			Y	F	L	J*	TAPERED 10	STRAIGHT KEYED 20	SPLINED 30	TANG 40
X	X	AAN / AAK 	2620 2625 2627 2630 2635 2640								
X	X	BAN 						10 B09 10 C09		30 A24	
X	X	CBN 									

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

AA* = Fixing SAE and ISO
BA* = Fixing English and Italian
CB* = Fixing French
DC* = Fixing German

PORT LOCATION

F = Threaded ports
Y = ISO Implantation
(Standard 6162)

REAR BODIES

L = Standard
J* = Pre-arrangement for assembling "Module 3"
see F.T 26 1354 page

Dimensions readings and approximative characteristics subject to modifications.

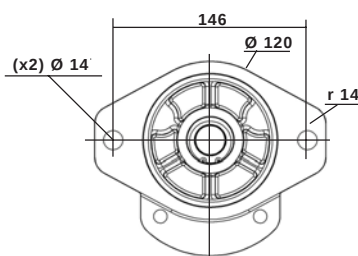
F.T 26 1314 2/5

F.T 26 1314 3/5

Consult us for availability

FLAT FRONT BODIES

AAN / AAK

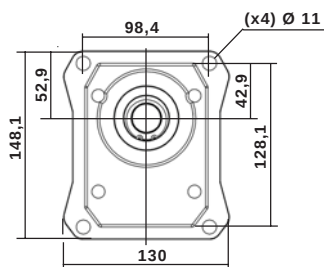


Centering: $\varnothing 101,6^{+0}_{-0,05}$
Thickness: 9,5

AAN : F.T 26 1315

AAK : F.T 26 1351

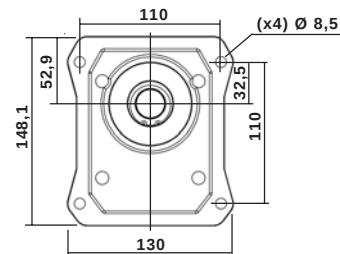
BAN



Centering: $\varnothing 50,78^{+0}_{-0,05}$
Thickness: 5

BAN : F.T 26 1316

CBN



Centering: $\varnothing 65^{+0,03}_{-0,06}$
Thickness: 5

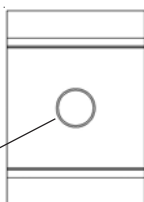
CBN : F.T 26 1317

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

Dimensions readings and approximative characteristics subject to modifications.

F

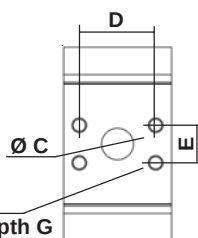
(Threaded)



effective depth G

Y

(ISO 6162)



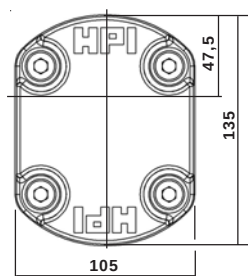
$\varnothing F$
effective depth G

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19							
2630 - 2635				1" BSP	19				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" BSP N: 368557.002	1" BSP N: 368557.002
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14	1" 1/4 BSP N: 368557.003	
2640	32	58,7	30,2	M10	14							

REAR BODY

L

Standard



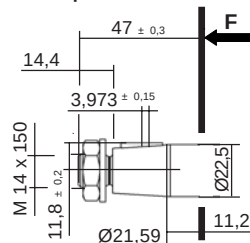
Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B09 Taper 1 / 8



Delivered with nut Ref.: K102045
and washer Ref.: K102100

Maxi transmissible torque

530 N.m

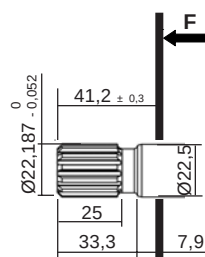
Straight keyed

20

Splined

30

A24



Involute spline SAE "B" - 13 teeth -
Diametral Pitch 16/32
30° Pressure angle

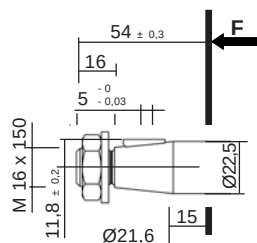
Maxi transmissible torque

310 N.m

Tang

40

C09 Cône 1 / 5



Delivered with nut Ref.: K106924
and washer Ref.: K102101

Maxi transmissible torque

550 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 26 1314 5/5

Consult us for availability

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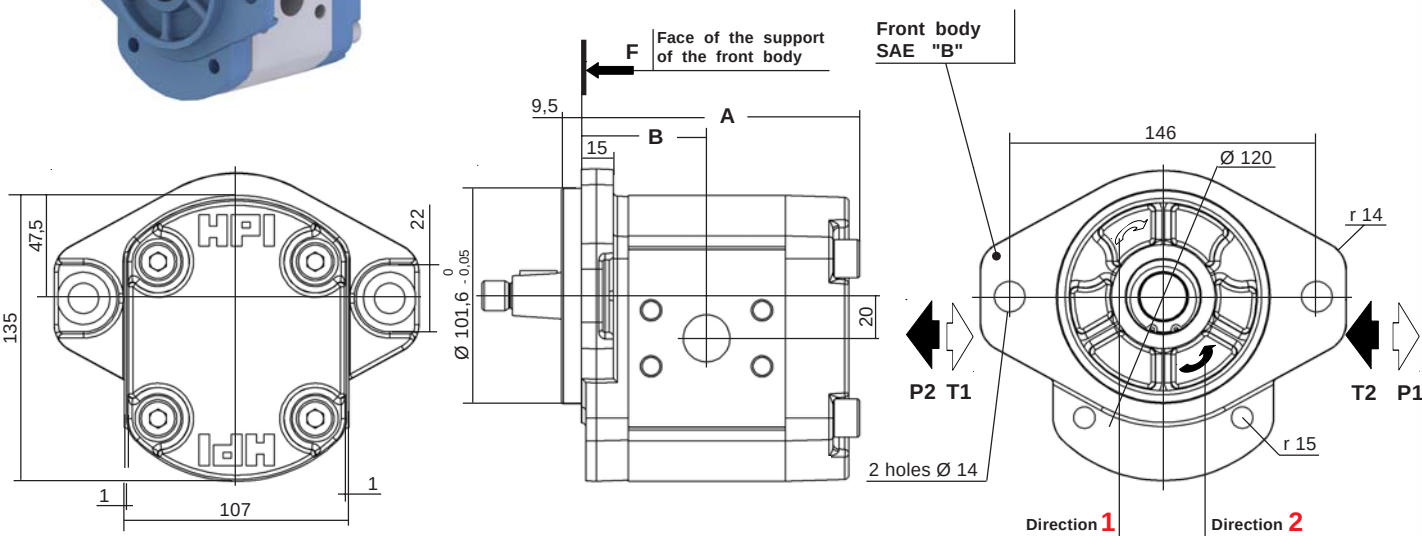
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/ 00



P **II** Sign **AA** **N** **26** **VI** Sign **Y** **L** **IX** Sign **X** Sign **XI** Sign **XII** Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
20	127,3	59
25	131,8	61,3
27	135,2	62
30	138,3	64,5
35	142,3	66,5
40	147,8	69,3

Multiples geared pumps, see data sheet **F.T 26 1318**

Seal kits:

Nitrile: **K5093201**

Viton: **K5093202**

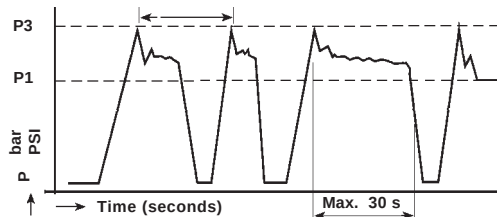
(For the manufacturings from 2002)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

P1 Maximum pressure in continuous duty.

Maximum Pressure **P**

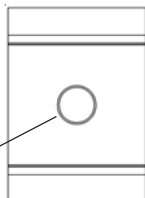
P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

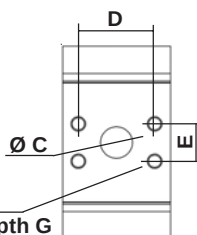
F
(Threaded)

Ø F
effective depth G



Y
(ISO 6162)

Ø F
effective depth G

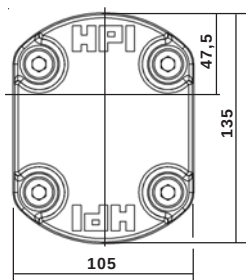


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19						1" BSP N: 368557.002	1" BSP N: 368557.002
2630 - 2635				1" BSP	19				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" 1/4 BSP N: 368557.003	1" BSP N: 368557.002
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14		
2640	32	58,7	30,2	M10	14							

REAR BODY

L

Standard



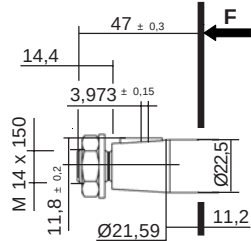
Dimensions readings and approximative characteristics subject to modifications.

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B09 Taper 1 / 8



Delivered with nut Ref.: K102045
and washer Ref.: K102100

Maxi transmissible torque

530 N.m

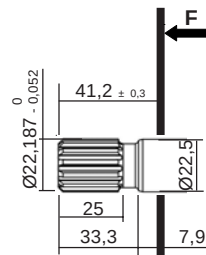
Straight keyed

20

Splined

30

A24



Involute spline SAE "B" - 13 teeth -
Diametral Pitch 16/32
30° Pressure angle

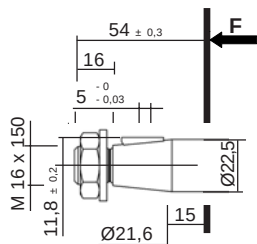
Maxi transmissible torque

310 N.m

Tang

40

C09 Cône 1 / 5



Delivered with nut Ref.: K106924
and washer Ref.: K102101

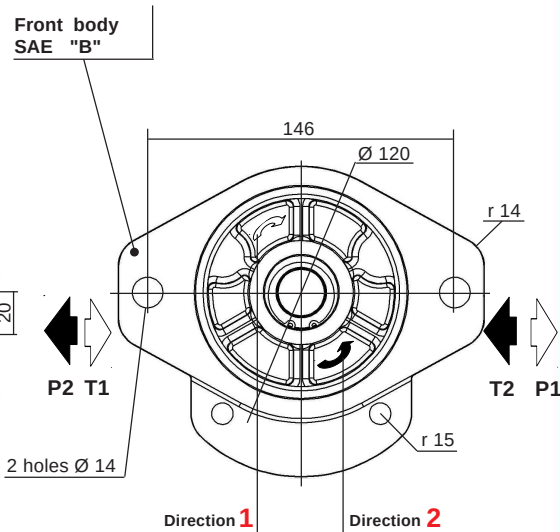
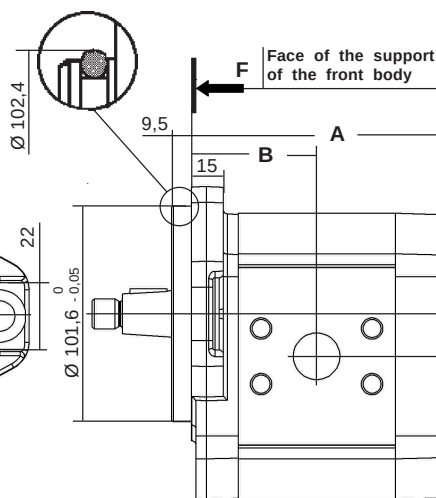
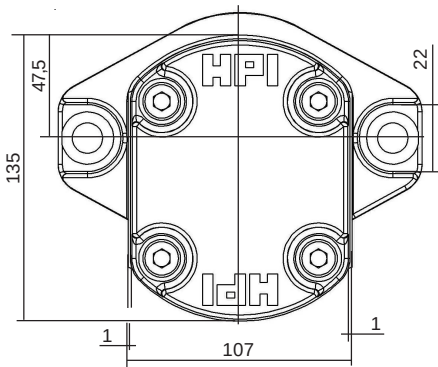
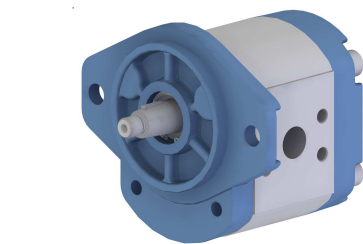
Maxi transmissible torque

550 N.m

Dimensions readings and approximative characteristics subject to modifications.

P **II** **AA** **K** **26** **VI** **Y** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
20	127,3	59
25	131,8	61,3
27	135,2	62
30	138,3	64,5
35	142,3	66,5
40	147,8	69,3

Multiples geared pumps, see data sheet **F.T 26 1318**

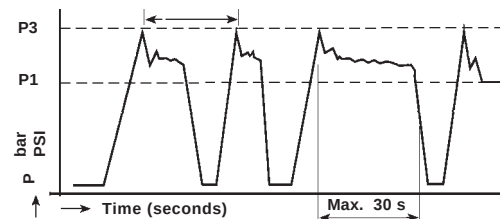
Seal kits:
Nitrile: **K5093201 + K107081**
Viton: **K5093202 + K107045**
(For the manufacturings from 2002)

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			
2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



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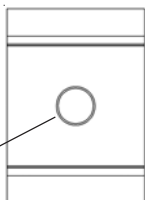
main dimensions

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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

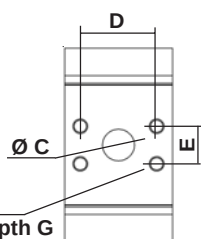
F
(Threaded)

Ø F
effective depth G



Y
(ISO 6162)

Ø F
effective depth G

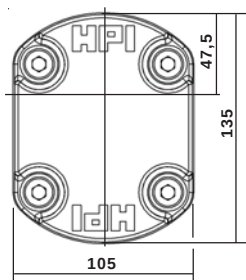


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19							
2630 - 2635				1" BSP	19				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" BSP N: 368557.002	
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14		1" BSP N: 368557.002
2640	32	58,7	30,2	M10	14						1" 1/4 BSP N: 368557.003	

REAR BODY

L

Standard



Dimensions readings and approximative characteristics subject to modifications.

F.T 26 1351 2/3

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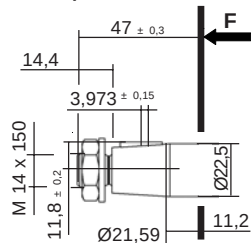
PUBLISHING 17 / 03 / 2011

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B09 Taper 1 / 8



Delivered with nut Ref.: K102045
and washer Ref.: K102100

Maxi transmissible torque

530 N.m

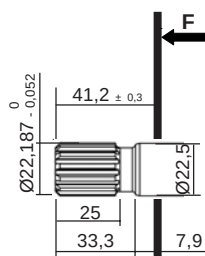
Straight keyed

20

Splined

30

A24



Involute spline SAE "B" - 13 teeth -
Diametral Pitch 16/32
30° Pressure angle

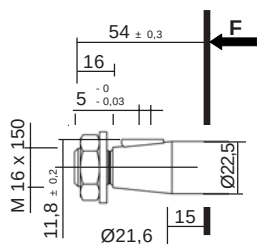
Maxi transmissible torque

310 N.m

Tang

40

C09 Cône 1 / 5



Delivered with nut Ref.: K106924
and washer Ref.: K102101

Maxi transmissible torque

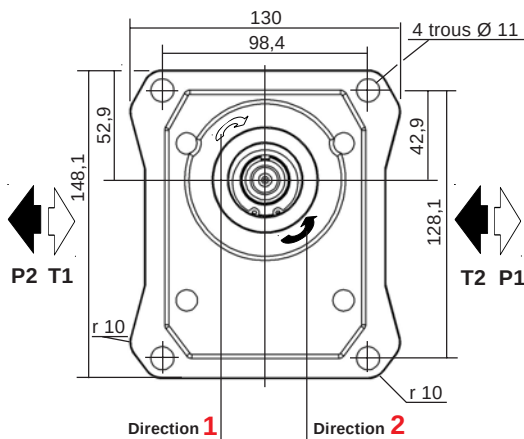
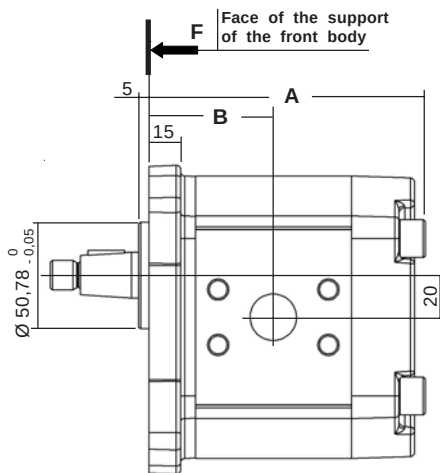
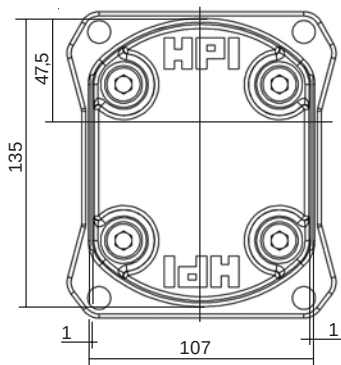
550 N.m

Dimensions readings and approximative characteristics subject to modifications.



P **II** **BA** **N** **2 6** **VI** **Y** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
20	127,3	59
25	131,8	61,3
27	135,2	62
30	138,3	64,5
35	142,3	66,5
40	147,8	69,3

Multiples geared pumps, see data sheet **F.T 26 1318**

Seal kits:

Nitrile: **K5093201**

Viton: **K5093202**

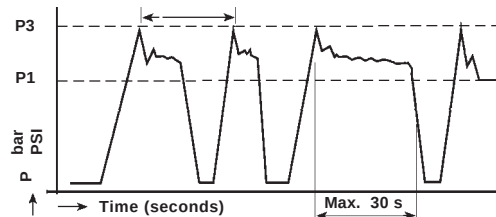
(For the manufacturings from 2002)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

P1 Maximum pressure in continuous duty.

Maximum Pressure **P**

P3 Allowable peak pressure.



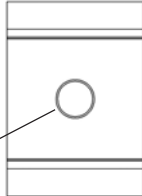
F.T 26 1316 1/3

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

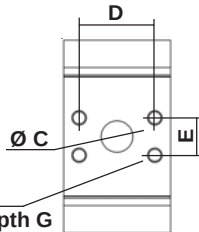
F
(Threaded)

Ø F
effective depth G



Y
(ISO 6162)

Ø F
effective depth G

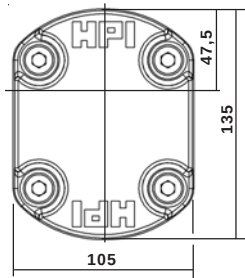


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
											INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19							
2630 - 2635				1" BSP	19				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" BSP N: 368557.002	1" BSP N: 368557.002
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14	1" 1/4 BSP N: 368557.003	
2640	32	58,7	30,2	M10	14							

REAR BODY

L

Standard



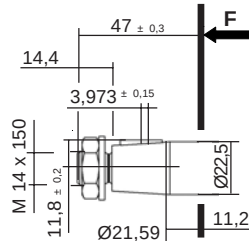
Dimensions readings and approximative characteristics subject to modifications.

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B09 Taper 1 / 8



Delivered with nut Ref.: K102045
and washer Ref.: K102100

Maxi transmissible torque

530 N.m

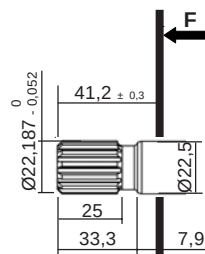
Straight keyed

20

Splined

30

A24



Involute spline SAE "B" - 13 teeth -
Diametral Pitch 16/32
30° Pressure angle

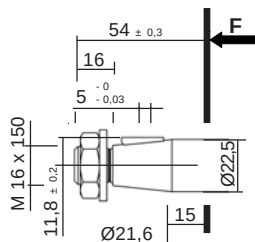
Maxi transmissible torque

310 N.m

Tang

40

C09 Cône 1 / 5



Delivered with nut Ref.: K106924
and washer Ref.: K102101

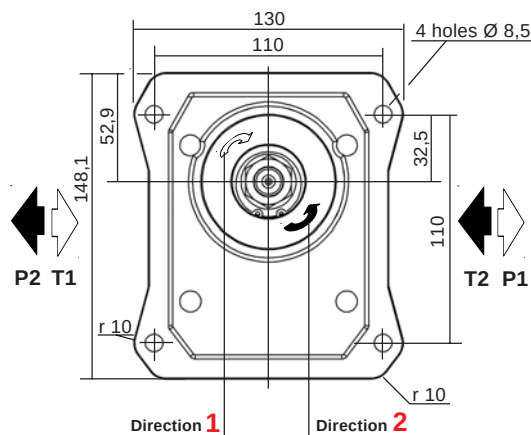
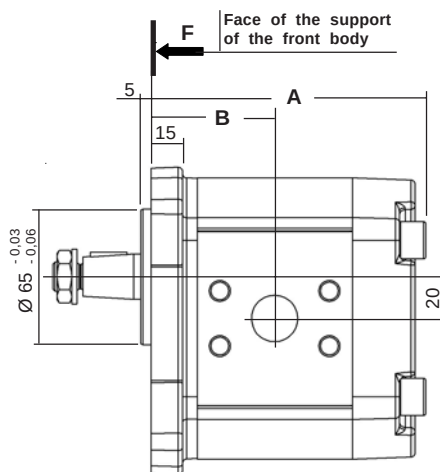
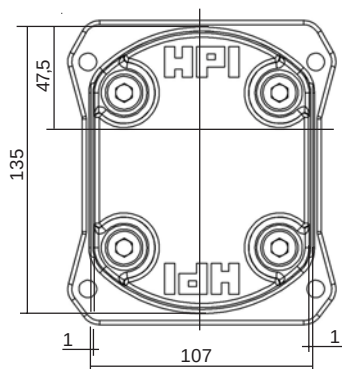
Maxi transmissible torque

550 N.m

Dimensions readings and approximative characteristics subject to modifications.



For the CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
20	127,3	59
25	131,8	61,3
27	135,2	62
30	138,3	64,5
35	142,3	66,5
40	147,8	69,3

Multiples geared pumps, see data sheet **F.T 26 1318**

Seal kits:

Nitrile: **K5093201**

Viton: **K5093202**

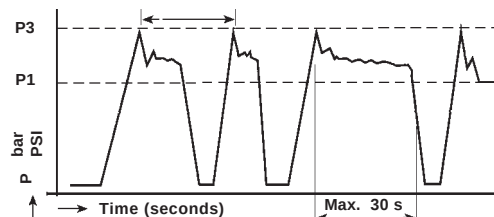
(For the manufacturings from 2002)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
2620	19,6	330	4185	280	4060	3000	29,40	58,80	3,70	36,66	8
2625	24,2	330	4185	280	4060	3000	36,30	72,60	4,50	45,27	
2627	27,5	330	4185	280	4060	3000	41,25	82,50	5	51,25	
2630	30,5	330	4185	280	4060	3000	45,75	91,50	5,70	57,05	
2635	34,5	290	4205	250	3625	3000	51,75	103,50	6,40	64,54	
2640	39,8	250	3625	210	3045	3000	59,70	119,40	7,50	74,45	

P1 Maximum pressure in continuous duty.

Maximum Pressure **P**

P3 Allowable peak pressure.



F.T 26 1317 1/3

Consult us for availability

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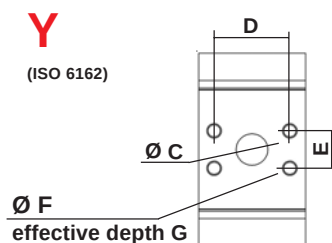
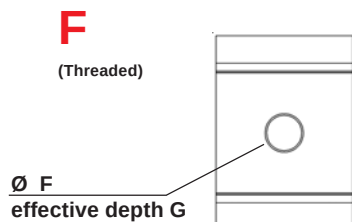
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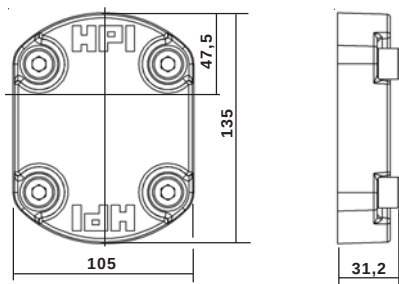
PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19							
2630 - 2635				1" BSP	19				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" BSP N: 368557.002	
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14		1" BSP N: 368557.002
2640	32	58,7	30,2	M10	14						1" 1/4 BSP N: 368557.003	1" 1/4 BSP N: 368557.003

REAR BODY

L
Standard



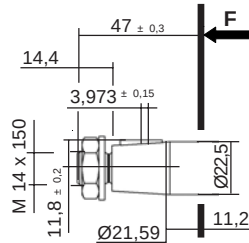
Dimensions readings and approximative characteristics subject to modifications.

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B09 Taper 1 / 8



Delivered with nut Ref.: K102045
and washer Ref.: K102100

Maxi transmissible torque

530 N.m

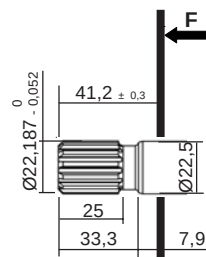
Straight keyed

20

Splined

30

A24



Involute spline SAE "B" - 13 teeth -
Diametral Pitch 16/32
30° Pressure angle

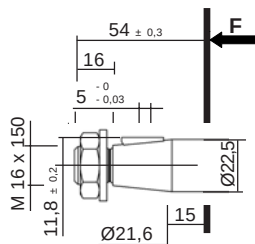
Maxi transmissible torque

310 N.m

Tang

40

C09 Cône 1 / 5



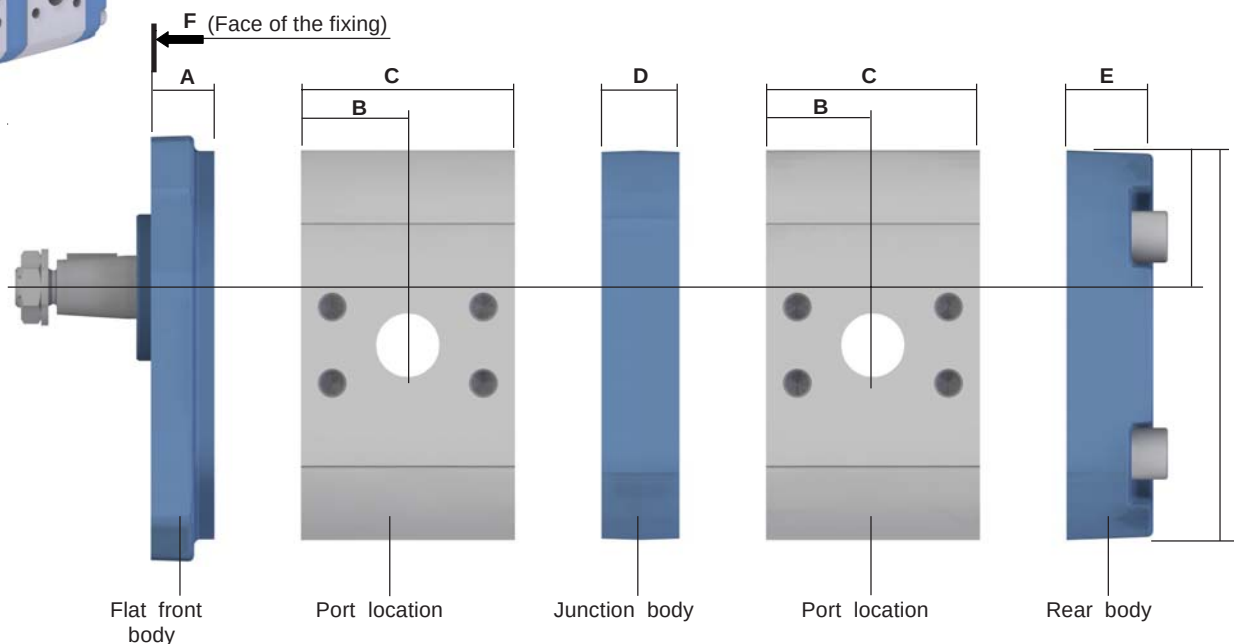
Delivered with nut Ref.: K106924
and washer Ref.: K102101

Maxi transmissible torque

550 N.m

Dimensions readings and approximative characteristics subject to modifications.

For CODIFICATION, see data sheet **F.T R 0030**



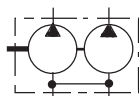
Capacity	B	C	D	E
2620	37	74,1	27	31,2
2625	39,3	78,6		
2627	41	82		
2630	42,5	85,1		
2635	44,5	89,1		
2640	47,3	94,6		

Flat front body	A
AAN / AAK - BAN - CBN	22

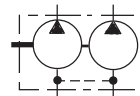
ATTENTION
For common suctions.
Tolerated maximum flow, contact us.

JUNCTION BODY (Schematic examples for 2 elements pumps)

Code A Communication between suction ports
(Capacity of the pump without suction = half of the capacity of the front section)



Code D Independant inlet side (communication of leaks)
(Oil and tank to be necessarily)



Possible combinations of junctions up to 5 elements

CALCULATION of the TORQUE

Q Capacity in cc / rev

P Pressure in bar

η_m Méchanical efficiency
(see catalogue C10)

Calculation of the torque for one pump body: $\frac{1,59 \times Q \times P}{1000 \times \eta_m} = C \text{ (N.m)}$

Example : P 1 BAN 2627 Y D 2620 Y L 10 B09 Pressure: 2627 200 bar Speed: 1500 t/min
2620 150 bar

$$\frac{1,59 \times 27 \times 200}{1000 \times 0,87} = 9,86 \text{ N.m}$$

$$\frac{1,59 \times 20 \times 150}{1000 \times 0,87} = 5,48 \text{ N.m}$$

$$= 15,34 \text{ N.m} \rightarrow \text{Total torque}$$

Consult us for availability

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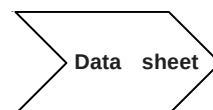
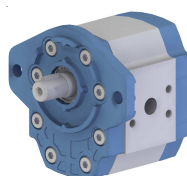
main dimensions

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PUMPS PRESENTATION SERIES 3

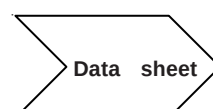
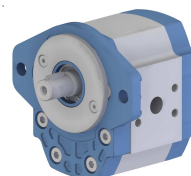
- FLAT FRONT BODIES

PUMP **AAN**



F.T 30 1312

PUMP **AAK**



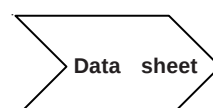
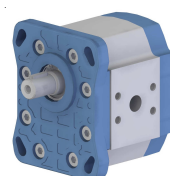
F.T 30 1320

PUMP **BAN**



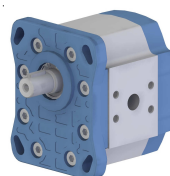
F.T 30 1357

PUMP **CBN**



F.T 30 1321

PUMP **CBK**



F.T 30 1322



F.T 30 1358

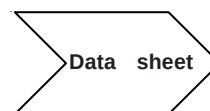


Consult us for availability

- FLAT FRONT BODY (rest)

PUMP

DBN



F.T 30 1312

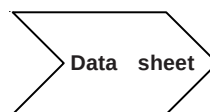
PUMP

DBK

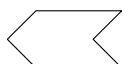


F.T 30 1320

MULTIPLES
PUMPS



F.T 30 1356



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MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			

3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit .

Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).

- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

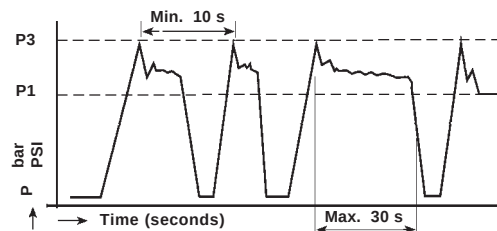
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure **P**

P3 Allowable peak pressure.



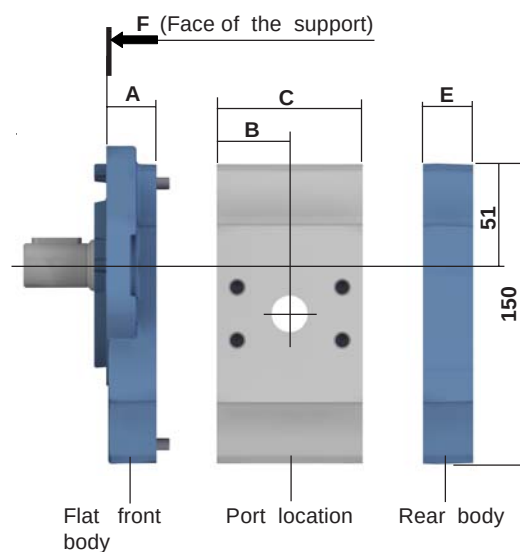
Consult us for availability

FLAT FRONT BODIES

Flat front bodies:	A
AAN / AAK - BAN	25
CBN / CBK - DBN / DBK	

Port location (capacity):	B	C
3020 - 3025 - 3031 - 3040	36,3	72,7
3050 - 3060	49,5	99,2
3071 - 3080 - 3090 - 3100	59,2	119,2

Rear bodies:	E
L	25
A - V	33

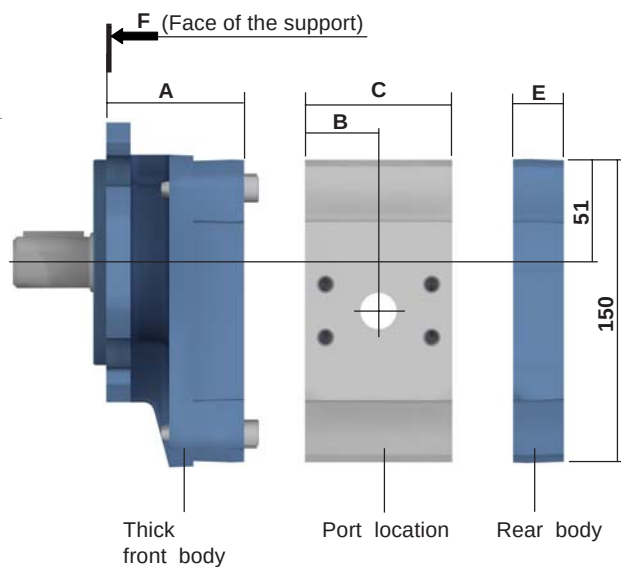


THICK FRONT BODIES

Thick front bodies:	A
AAP / AEP - AAR / AER	68
AAX - ABP / ABR	
ADP / ADR - ADX / ADZ	
ZFC	72

Port location (capacity):	B	C
3020 - 3025 - 3031 - 3040	36,3	72,7
3050 - 3060	49,5	99,2
3071 - 3080 - 3090 - 3100	59,2	119,2

Rear bodies:	E
L	25
A - V	33



Dimensions readings and approximative characteristics subject to modifications.

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P

II Sign

III Sign

IV Sign

3

VI Sign

VII Sign

VIII Sign

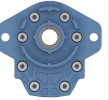
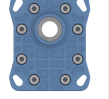
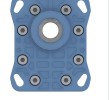
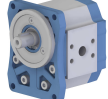
IX Sign

X Sign

XI Sign

XII Sign

For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)		FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)						REAR BODIES (VIII Sign)				DRIVING SHAFTS (IX , X and XI Sign)			
P 1	P 2			H	C	B	U	X	Y	L	A	V	J*	TAPERED 10	STRAIGHT KEYED 20	SPLINED 30	TANG 40
X	X	AAN / AAK  	3020														
X	X	BAN  	3025														
X	X	CBN / CBK  	3031														
X	X	DBN / DBK  	3040														
X	X		3050														
X	X		3060														
X	X		3071														
X	X		3080														
X	X		3090														
X	X		3100														

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

A** = Fixing SAE and ISO
BAN = Fixing English and Italian
CB* = Fixing French
DB* = Fixing German
ZFC = Fixing ZF

PORT LOCATION

H = HPI
C = Square location
B = Italian location
U = SAE Threaded ports (Norm J 475)
X = without ports
Y = ISO location (Norm 6162)

REAR BODIES

L = Standard
A = External flow control
V = Low pressure relief valve, internal return
J* = Pre-arrangement for assembling «Module 3»
see F.T 30 1355 page

Consult us for availability

P

II Sign

III Sign

IV Sign

3

VI Sign

VII Sign

VIII Sign

IX Sign

X Sign

XI Sign

XII Sign

For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)		THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)						REAR BODIES (VIII Sign)				DRIVING SHAFT (IX , X and XI Sign)			
P 1	P 2			H			U	X		L	A	V	J*	TAPERED 10	STRAIGHT KEYED 20	SPLINED 30	TANG 40
X	X	AAP / AEP AAR / AER - AAX 	3020 3025 3031 3040 3050 3060 3071 3080 3090 3100														
X	X	ABP / ABR 													 20 A04 20 A05 20 A07	 30 A04 30 A19 30 A20	
X	X	ADP / ADR ADX / ADZ 															
X	X	ZFC 														 30 D04	

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

A** = Fixing SAE and ISO
BAN = Fixing English and Italian
CB* = Fixing French
DB* = Fixing German
ZFC = Fixing ZF

PORT LOCATION

H = HPI
C = Square location
B = Italian location
U = SAE Threaded ports (Norm J 475)
X = without ports
Y = ISO location (Norm 6162)

REAR BODIES

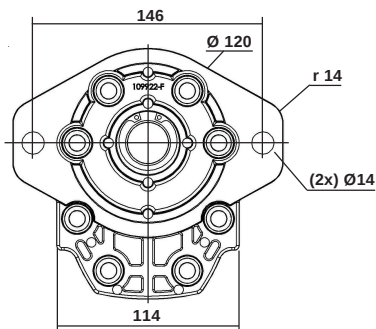
L = Standard
A = External flow control
V = Low pressure relief valve, internal return
J* = Pre-arrangement for assembling «Module 3»
see F.T 30 1355 page

Dimensions readings and approximative characteristics subject to modifications.

 Consult us for availability

FLAT FRONT BODIES

AAN / AAK

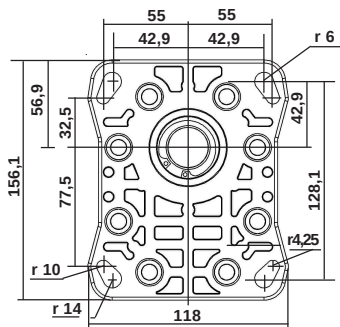


Centering: $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thicknees: 6,35 (AAN) 8,1 (AAK)

AAN : F.T 30 1320

AAK : F.T 30 1357

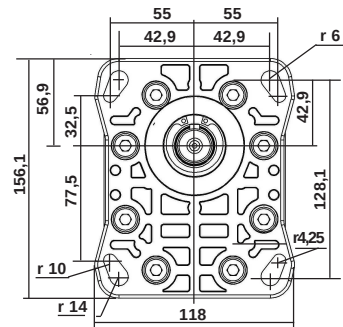
BAN



Centering: $\varnothing 50,78 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thicknees: 5

BAN : F.T 30 1321

CBN / CBK

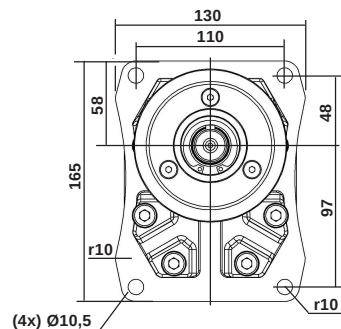


Centering: $\varnothing 65 \begin{smallmatrix} -0,03 \\ -0,06 \end{smallmatrix}$
Thicknees: 5

CBN : F.T 30 1322

CBK : F.T 30 1358

DBN / DBK



Centering: $\varnothing 105 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$
Thicknees: 8

DBN : F.T 30 1323

DBK : F.T 30 1359

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1312 5/10

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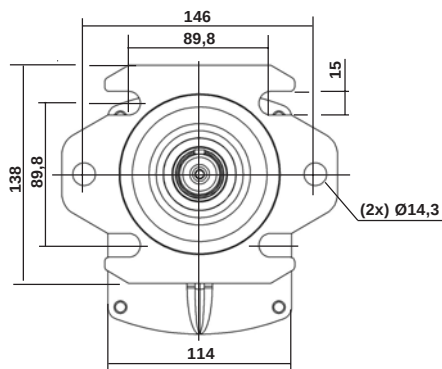
[next](#)

[main dimensions](#)

PUBLISHING 04 / 11 / 2013

THICK FRONT BODIES

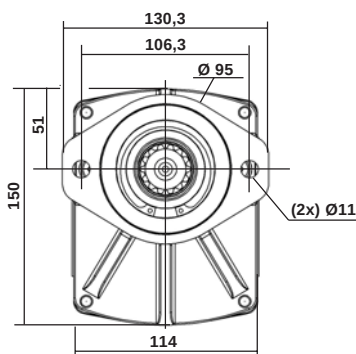
AAP / AEP
AAR / AER
AAX



Centering: $\varnothing 101,6 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thicknees: 6,35

AAP / AEP : F.T 30 1370
AAR / AER : F.T 30 1373
AAX : F.T 30 1414

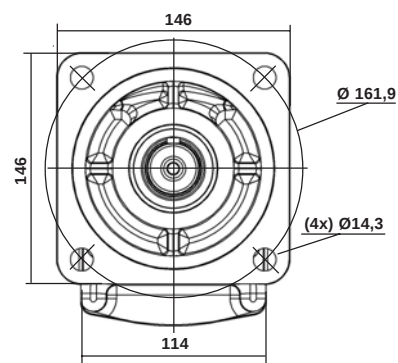
ABP / ABR



Centering: $\varnothing 82,55 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thicknees: 6,35

ABP : F.T 30 1375
ABR : F.T 30 1376

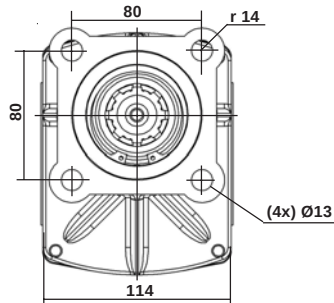
ADP / ADR
ADX / ADZ



Centering: $\varnothing 127 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thicknees: 6,35

ADP : F.T 30 1371
ADR : F.T 30 1374
ADX : F.T 30 1377
ADZ : F.T 30 1378

ZFC



Centering: $\varnothing 80 \begin{smallmatrix} -0,03 \\ -0,06 \end{smallmatrix}$
Thicknees: 9

ZFC : F.T 30 1372

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 11312 6/10

Consult us for availability

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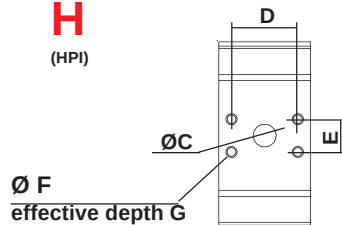
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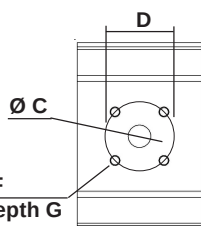
[main dimensions](#)

PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

Ø F
effective depth G

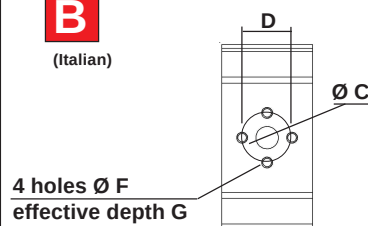
C

(Square)

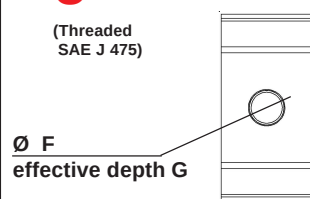

4 holes Ø F
effective depth G

B

(Italian)

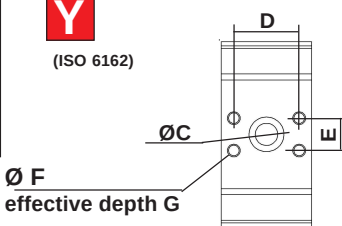

4 holes Ø F
effective depth G

U

(Threaded
SAE J 475)

Ø F
effective depth G

Y

(ISO 6162)


Ø F
effective depth G

X

(without port)



Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
											INLET (T)		OUTLET (P)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G				
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3025	1" N: 3.500072 BSP V: 3.505060	3020 1/2" N: 3.500070 BSP V: 3.505058	
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16		1" 1/4 N: 3.500103 BSP V: 3.505061	3031 3/4" N: 3.500071 BSP V: 3.505060	
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 to 3080	1" 1/2 N: 3.500493 BSP V: 3.505066	3071 1" N: 3.500072 BSP V: 3.505060	
											3090 to 3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3090 1" 1/4 N: 3.500103 BSP V: 3.505061	
3020 to 3040														
3050 3060	28	55		M8	17	18	55		M8	17				
3071 to 3100														
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040	Only with rear body Type A													
3050 3060														
3071 to 3100														

Consult us for availability

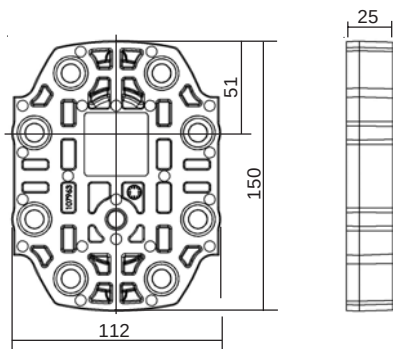
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PUBLISHING 17 / 03 / 2011

REAR BODIES

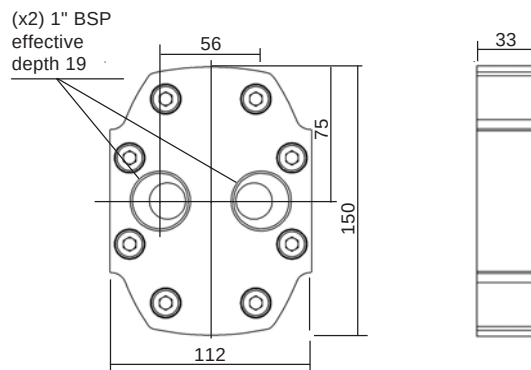
L

Standard



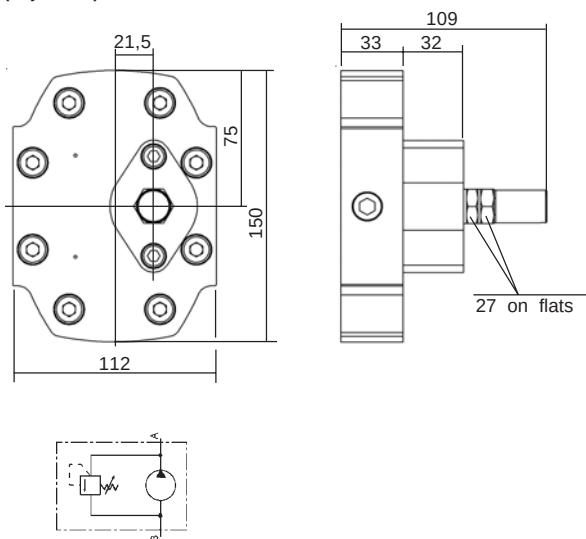
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1312 8/10

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PUBLISHING 17 / 03 / 2011

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

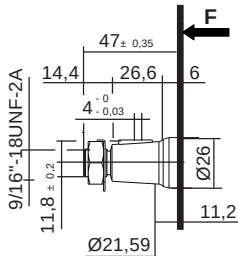
Splined

30

Tang

40

B03 Taper 1/8

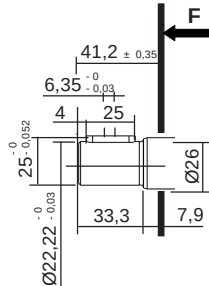


Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

Maxi transmissible torque

530 N.m

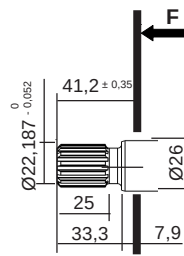
A02



Maxi transmissible torque

290 N.m

A02

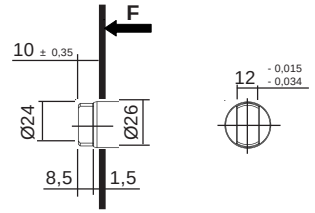


Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque

390 N.m

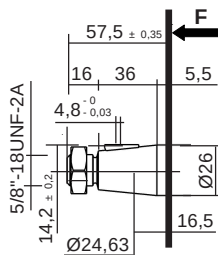
C04



Maxi transmissible torque

70 N.m

B04 Taper 1/8

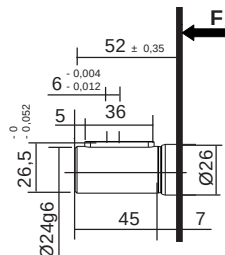


Delivered with Nut Ref.: K101877

Maxi transmissible torque

800 N.m

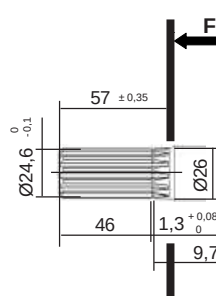
C04



Maxi transmissible torque

320 N.m

C03

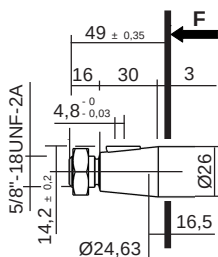


Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

66,5 N.m

C04 Taper 1/5

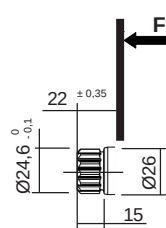


Delivered with Nut Ref.: K101712

Maxi transmissible torque

800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1312 9/10

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PUBLISHING 04 / 11 / 2013

DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

Straight keyed

20

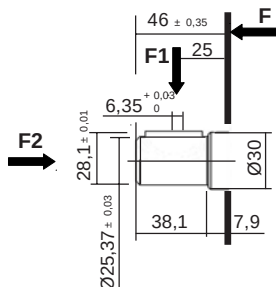
Splined

30

Tang

40

A04



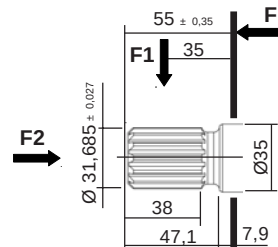
F1 = 120 daN

F2 = 50 daN

Maxi transmissible torque

340 N.m

A04



F1 = 120 daN

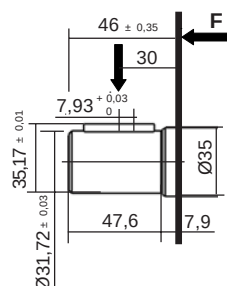
F2 = 50 daN

Involute spline SAE standard
14 teeth - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque

500 N.m

A05



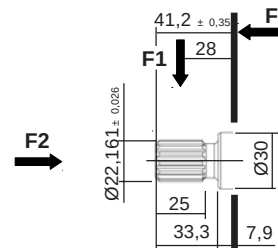
F1 = 120 daN

F2 = 50 daN

Maxi transmissible torque

320 N.m

A19



F1 = 120 daN

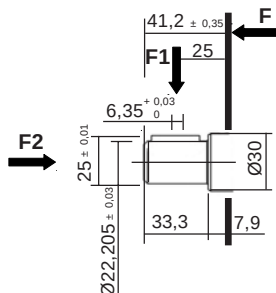
F2 = 50 daN

Involute spline SAE standard
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque

310 N.m

A07



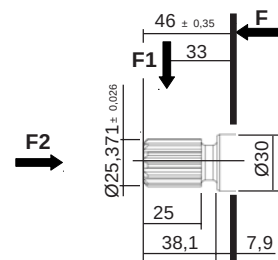
F1 = 140 daN

F2 = 50 daN

Maxi transmissible torque

290 N.m

A20



F1 = 120 daN

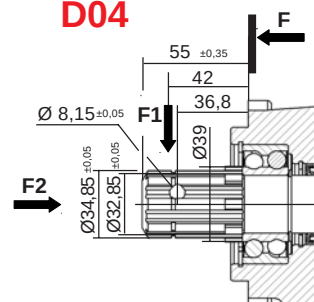
F2 = 50 daN

Involute spline SAE Standard
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque

490 N.m

D04



F1 = 140 daN

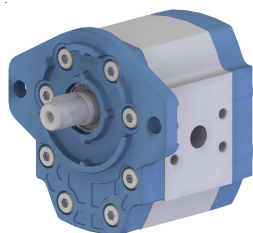
F2 = 50 daN

Parallel spline side
8 x 32 x 36 to Norm NF E 22 141
Pushing Minor diameter

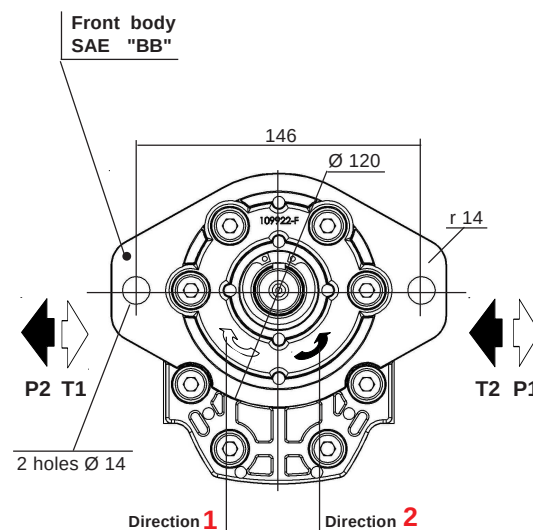
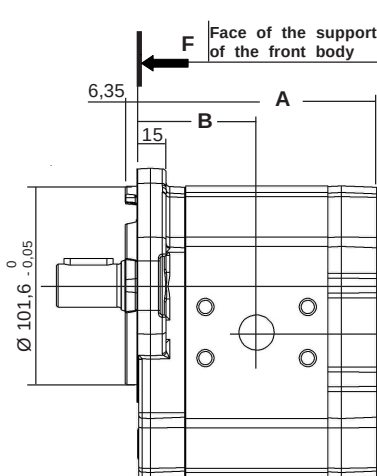
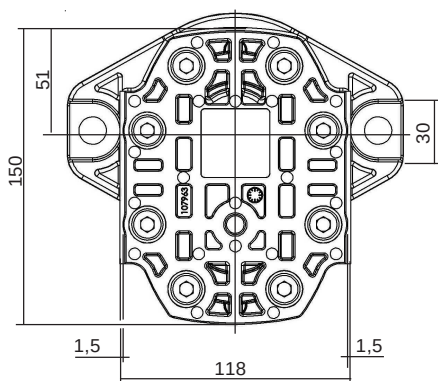
Maxi transmissible torque

480 N.m

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5074041**

Viton: **K5074042**

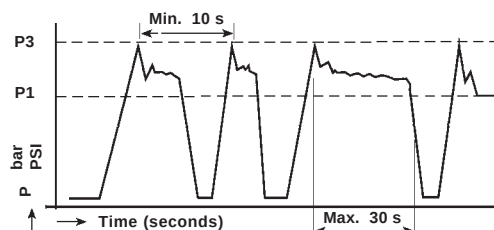
(For the manufacturings from october 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

P1 Maximum pressure in continuous duty.

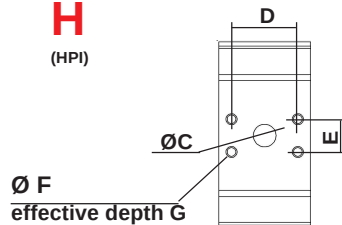
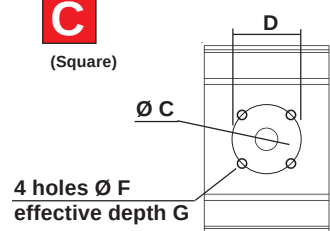
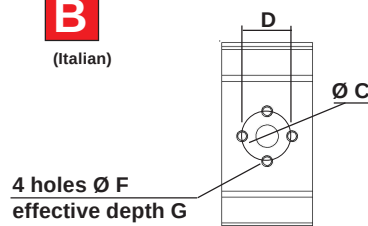
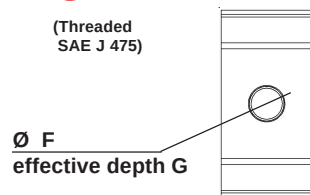
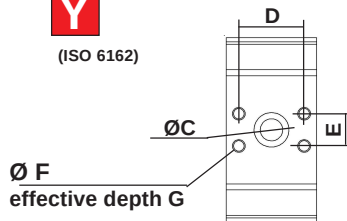
Maximum Pressure ⇒

P3 Allowable peak pressure.



Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1320 1/4

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

C
(Square)

B
(Italian)

U
(Threaded
SAE J 475)

Y
(ISO 6162)

X
(without port)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 1/2" N: 3.500070 BSP V: 3.505058	
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3025 1" 1/4 N: 3.500103 BSP V: 3.505061	3031 3/4" N: 3.500071 BSP V: 3.505060	3030 1" BSP N: 3.500072 V: 3.505060	
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 BSP V: 3.505067	3080 1" 1/2 N: 3.500493 BSP V: 3.505067	3071 1" N: 3.500072 BSP V: 3.505060	
3020 to 3040														
3050 3060	28	55		M8	17	18	55		M8	17				
3071 to 3100														
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														

Only with rear body Type A

Consult us for availability

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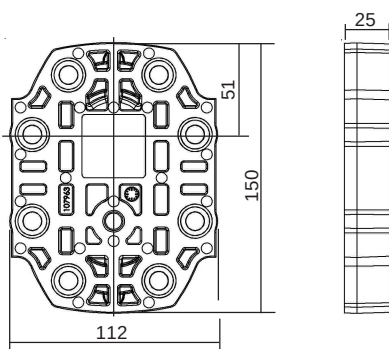
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

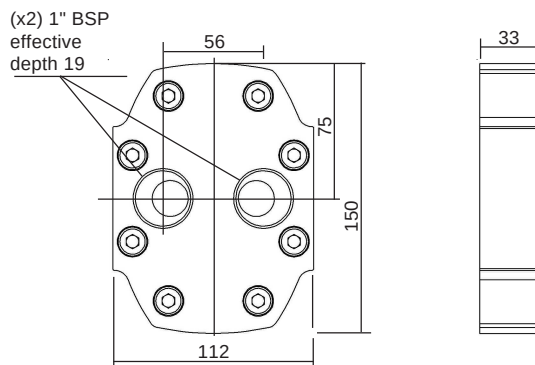
L

Standard



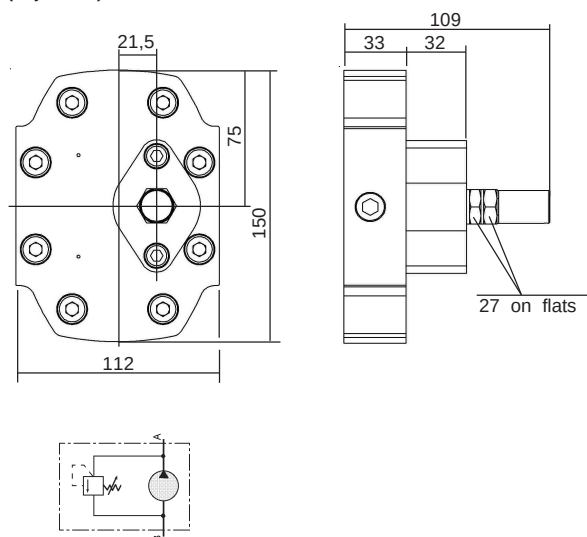
A

with ports



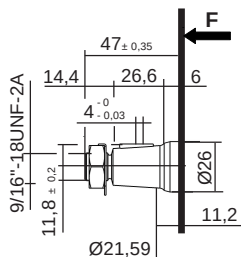
V

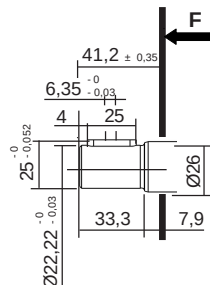
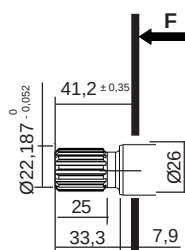
Low pressure relief valve
(Adjustable) Internal return

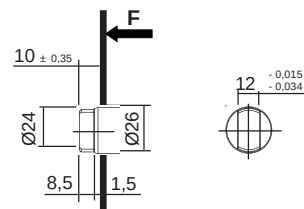


Dimensions readings and approximative characteristics subject to modifications.

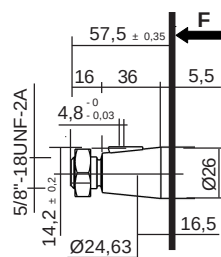
F.T 30 1320 3/4

DRIVING SHAFT (FLAT FRONT BODY)
Tapered
10
B03 Taper 1 / 8

Delivered with Nut Ref.: K100734
and lock washer Ref.: K103945

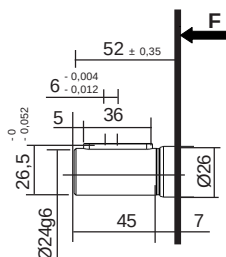
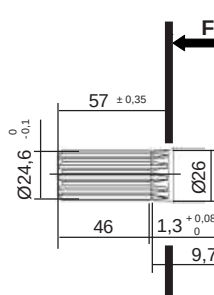
Maxi transmissible torque
530 N.m
Straight keyed
20
A02

Maxi transmissible torque
290 N.m
Splined
30
A02

Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

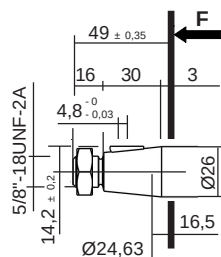
Maxi transmissible torque
390 N.m
Tang
40
C04

Maxi transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.

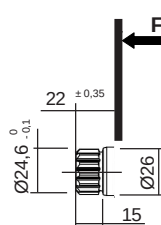
B04 Taper 1 / 8


Delivered with Nut Ref.: K101877

Maxi transmissible torque
800 N.m
C04

Maxi transmissible torque
320 N.m
C03

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m
C04 Taper 1 / 5


Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m
C07

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m
F.T 30 1320 4/4

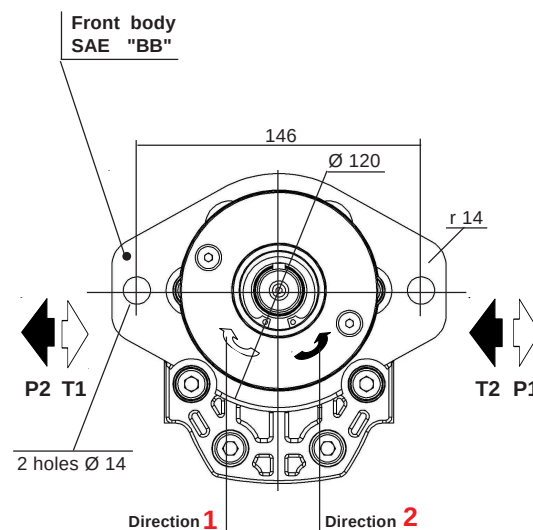
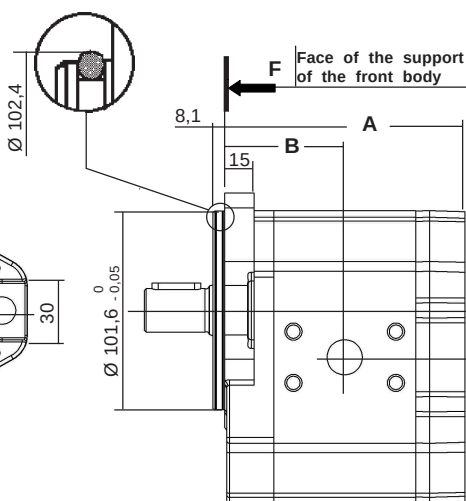
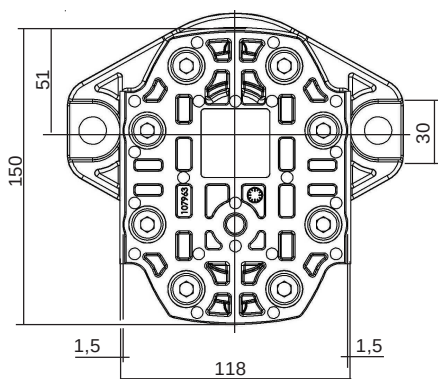
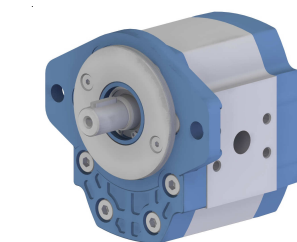
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PUBLISHING 04 / 11 / 2013

P II Sign **AA K 3** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Multiples geared pumps, see data sheet **F.T 30 1356**

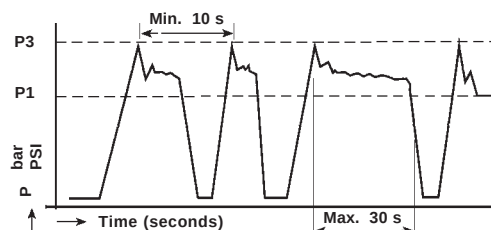
Seal kits:
Nitrile: **K5074041 + K107081**
Viton: **K5074042 + K107045**
(For the manufacturings from october 1991)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
	cc / rev	bar	PSI	bar	PSI		l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

P1 Maximum pressure in continuous duty.

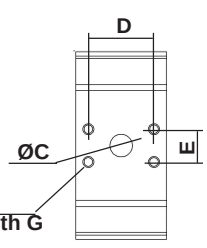
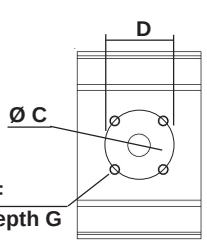
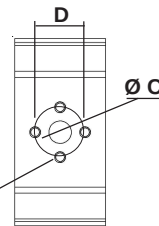
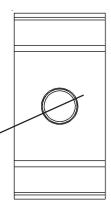
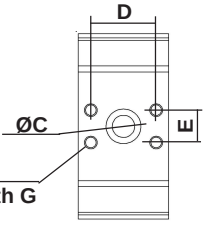
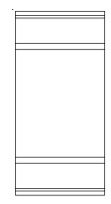
Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

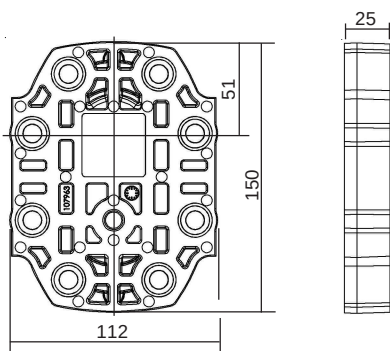
	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
												INLET (T)		OUTLET (P)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G				
H (HPI) 	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 BSP V: 3.505060	3025 1/2" N: 3.500070 BSP V: 3.505058		
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3031 1" 1/4 N: 3.500103 BSP V: 3.505061	3040 3/4" N: 3.500071 BSP V: 3.505060		
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 BSP V: 3.505067	3080 1" N: 3.500072 BSP V: 3.505060	3090 1" 1/4 N: 3.500103 BSP V: 3.505061	3100 1" N: 3.500072 BSP V: 3.505060
C (Square) 	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian) 	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475) 	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162) 	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Consult us for availability

REAR BODIES

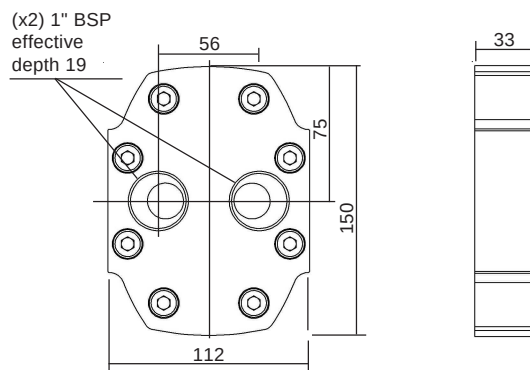
L

Standard



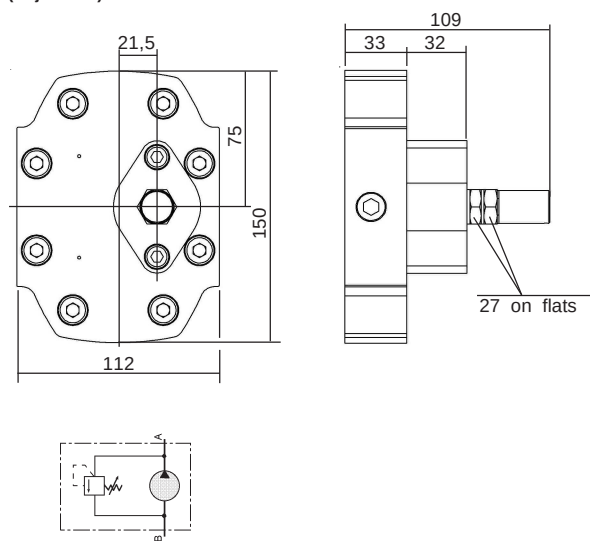
A

with ports



V

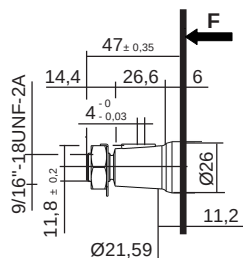
Low pressure relief valve
(Adjustable) Internal return

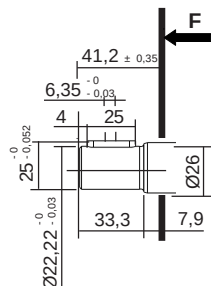
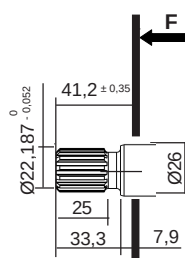


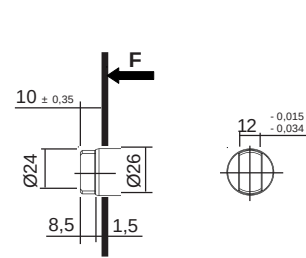
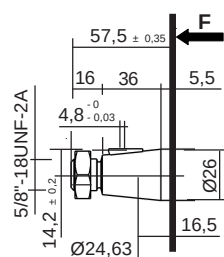
Dimensions readings and approximative characteristics subject to modifications.



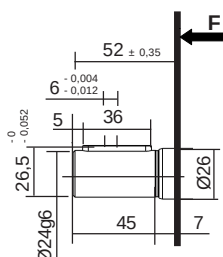
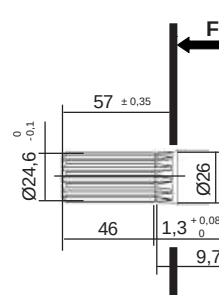
Consult us for availability

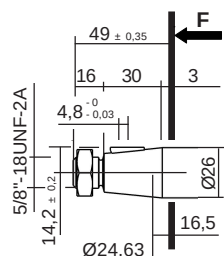
DRIVING SHAFT (FLAT FRONT BODY)
Tapered
10
Straight keyed
20
Splined
30
Tang
40
B03 Taper 1 / 8

Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

Maxi transmissible torque
530 N.m
A02

Maxi transmissible torque
290 N.m
A02

Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

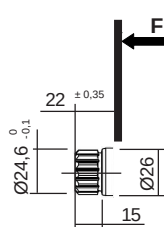
Maxi transmissible torque
390 N.m
C04

Maxi transmissible torque
70 N.m
B04 Taper 1 / 8


Delivered with Nut Ref.: K101877

Maxi transmissible torque
800 N.m
C04

Maxi transmissible torque
320 N.m
C03

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m
C04 Taper 1 / 5


Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m
C07

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

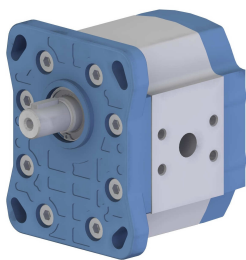
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1357 4/4

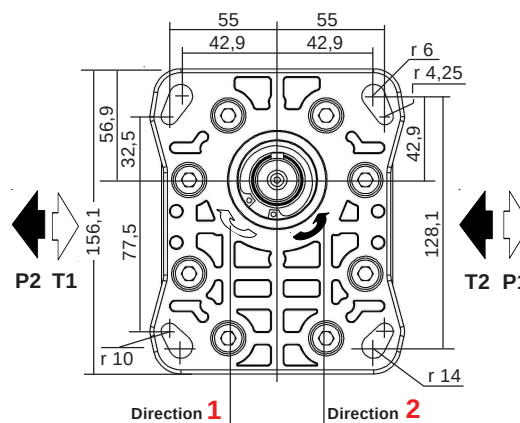
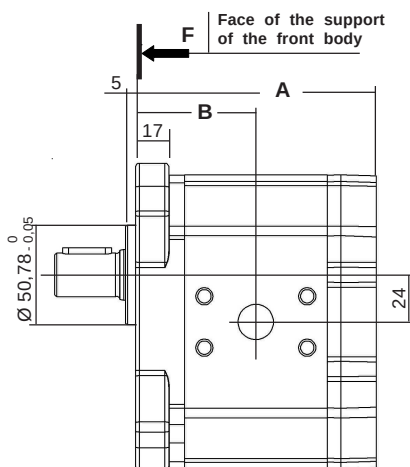
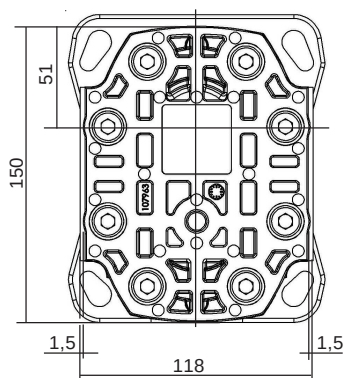
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PUBLISHING 04 / 11 / 2013



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5074041**

Viton: **K5074042**

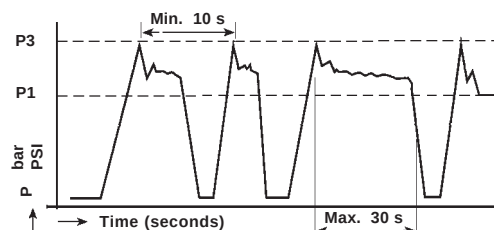
(For the manufacturings from october 1991)

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

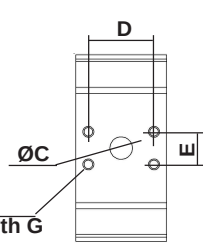
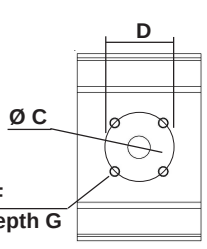
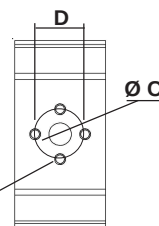
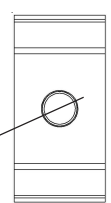
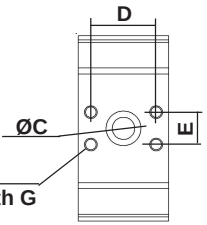
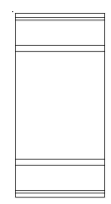
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

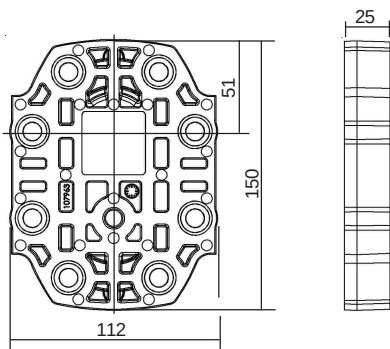
	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
												INLET (T)		OUTLET (P)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G				
H (HPI)  Ø F effective depth G	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 to 3040	1/2" N: 3.500070 BSP V: 3.505058
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16		1" 1/4 N: 3.500103 BSP V: 3.505061	3025 3040	3/4" N: 3.500071 BSP V: 3.505060
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16		1" 1/4 N: 3.500492 BSP V: 3.505066		1" N: 3.500072 BSP V: 3.505060
C (Square)  4 holes Ø F effective depth G	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian)  4 holes Ø F effective depth G	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475)  Ø F effective depth G	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162)  Ø F effective depth G	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Consult us for availability

REAR BODIES

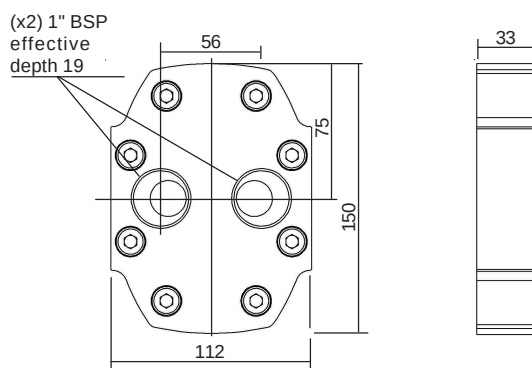
L

Standard



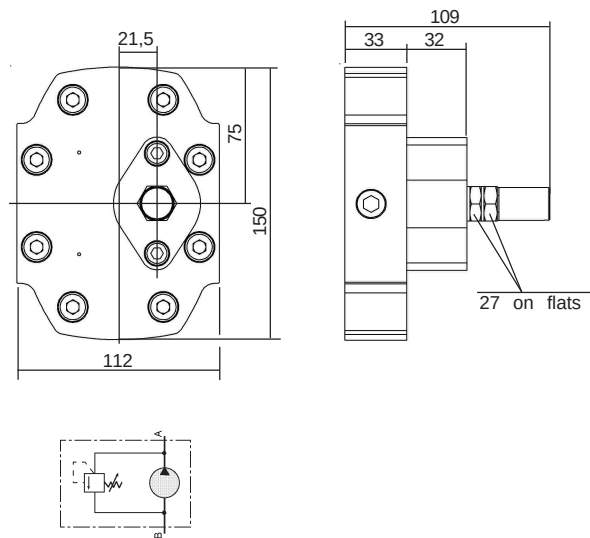
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

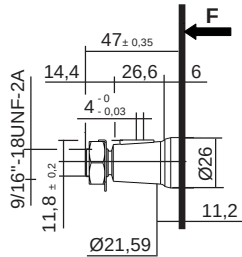
F.T 30 1321 3/4

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

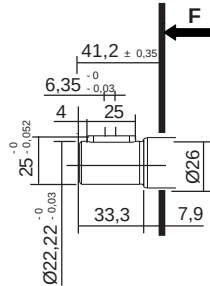
Maxi transmissible torque

530 N.m

Straight keyed

20

A02



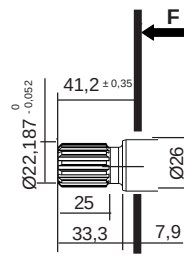
Maxi transmissible torque

290 N.m

Splined

30

A02



Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

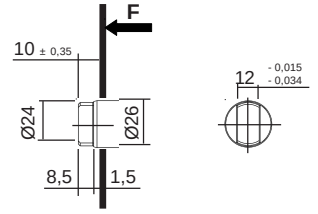
Maxi transmissible torque

390 N.m

Tang

40

C04

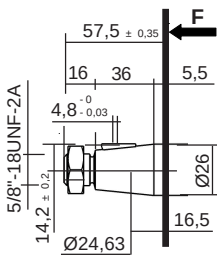


Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

B04 Taper 1 / 8

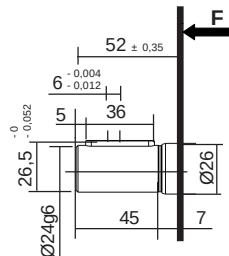


Delivered with Nut Ref.: K101877

Maxi transmissible torque

800 N.m

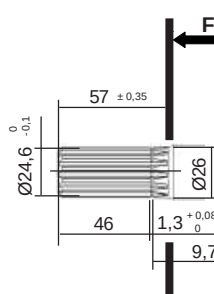
C04



Maxi transmissible torque

320 N.m

C03

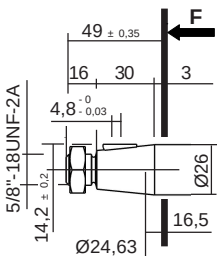


Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

66,5 N.m

C04 Taper 1 / 5

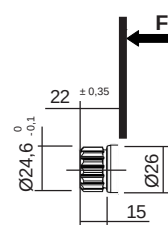


Delivered with Nut Ref.: K101712

Maxi transmissible torque

800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

48 N.m

F.T 30 1321 4/4

Consult us for availability

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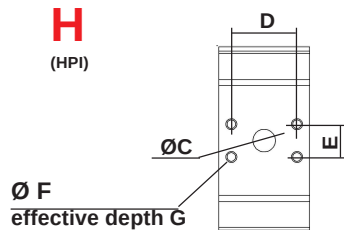
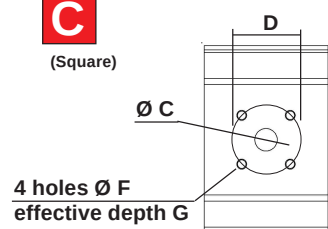
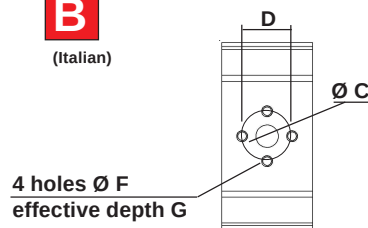
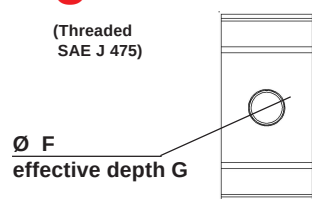
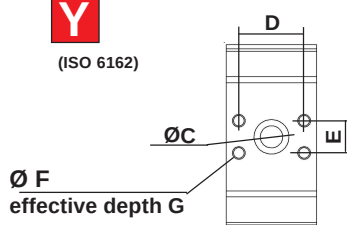
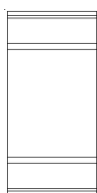
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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

C
(Square)

B
(Italian)

U
(Threated
SAE J 475)

Y
(ISO 6162)

X
(without port)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
	(T)					(P)					Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 BSP V: 3.505060	3025 1/2" N: 3.500070 BSP V: 3.505058	3030 1" N: 3.500072 BSP V: 3.505060	3035 1/2" N: 3.500070 BSP V: 3.505058
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3071 1" 1/4 N: 3.500492 BSP V: 3.505066	3080 1" N: 3.500072 BSP V: 3.505060	3090 1" 1/4 N: 3.500492 BSP V: 3.505066	3100 1" N: 3.500072 BSP V: 3.505060
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 BSP V: 3.505067	3080 1" N: 3.500072 BSP V: 3.505060	3090 1" 1/2 N: 3.500493 BSP V: 3.505067	3100 1" N: 3.500072 BSP V: 3.505060
3020 to 3040														
3050 3060	28	55		M8	17	18	55		M8	17				
3071 to 3100														
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														

Only with rear body Type A

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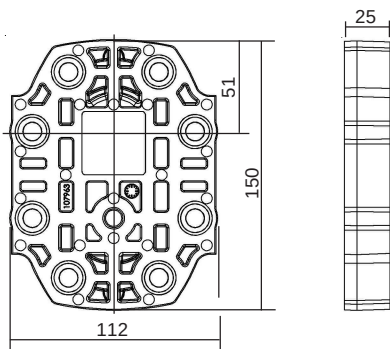
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

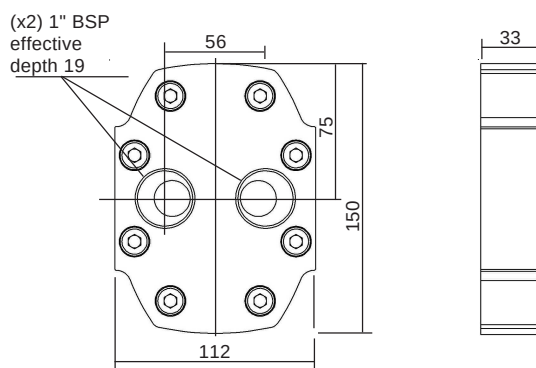
L

Standard



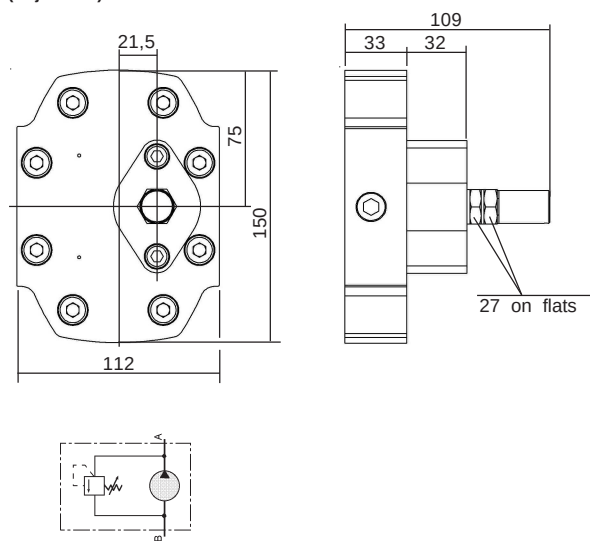
A

with ports



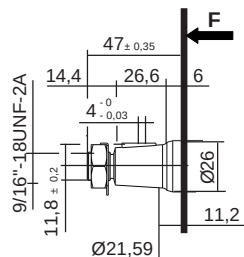
V

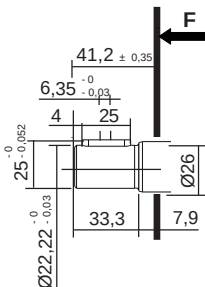
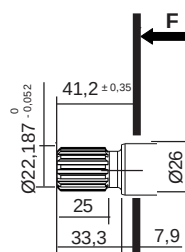
Low pressure relief valve
(Adjustable) Internal return

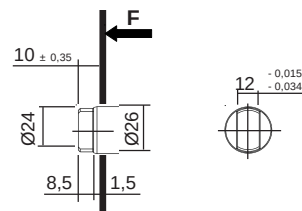
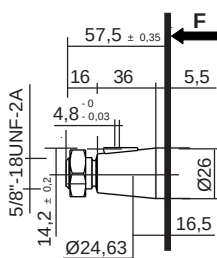


Dimensions readings and approximative characteristics subject to modifications.

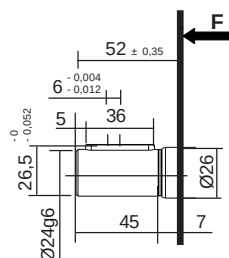
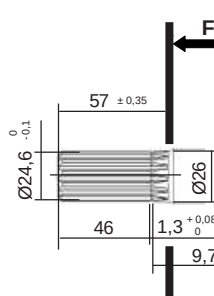
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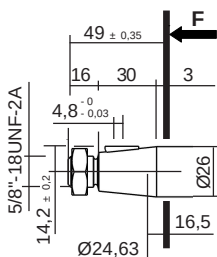
DRIVING SHAFT (FLAT FRONT BODY)
Tapered
10
Straight keyed
20
Splined
30
Tang
40
B03 Taper 1 / 8

Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

Maxi transmissible torque
530 N.m
A02

Maxi transmissible torque
290 N.m
A02

Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

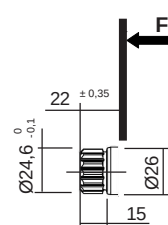
Maxi transmissible torque
390 N.m
C04

Maxi transmissible torque
70 N.m
B04 Taper 1 / 8


Delivered with Nut Ref.: K101877

Maxi transmissible torque
800 N.m
C04

Maxi transmissible torque
320 N.m
C03

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m
C04 Taper 1 / 5


Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m
C07

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

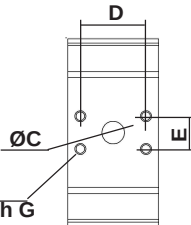
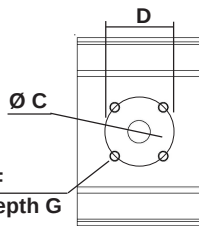
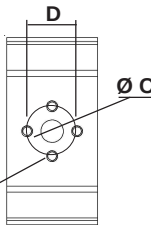
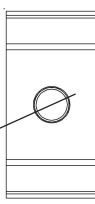
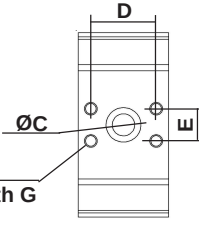
Dimensions readings and approximative characteristics subject to modifications.

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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
H (HPI) 	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 to 3040 BSP V: 3.505060	3025 1/2" N: 3.500070 BSP V: 3.505058	3031 3/4" N: 3.500071 BSP V: 3.505060	3040
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		1" BSP N: 3.500072 V: 3.505060	
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 to 3080 BSP V: 3.505067	3080 1" N: 3.500072 BSP V: 3.505060	3090 1" 1/4 N: 3.500103 to 3100 BSP V: 3.505061	3100
C (Square) 	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian) 	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475) 	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162) 	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Consult us for availability

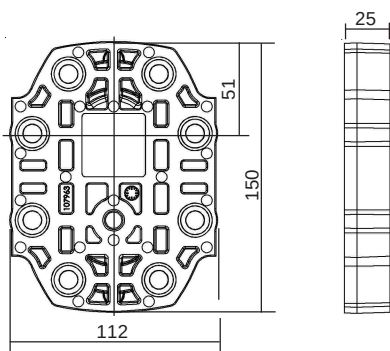
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REAR BODIES

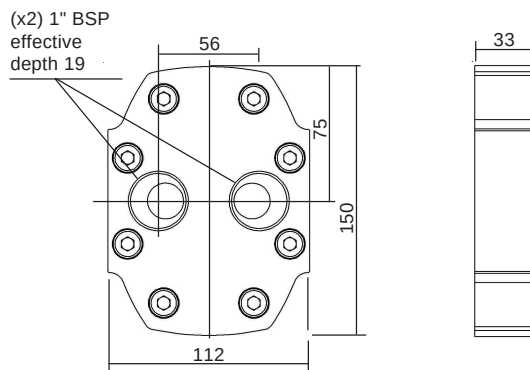
L

Standard



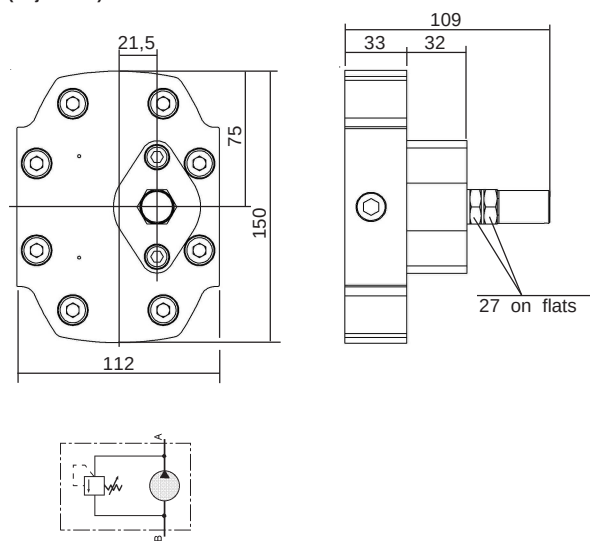
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

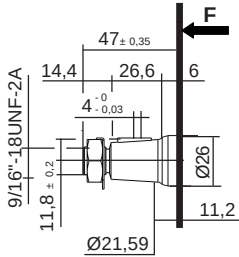
Splined

30

Tang

40

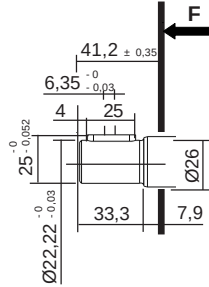
B03 Taper 1 / 8



Delivered with Nut Ref.: K100734
and lock washer Ref.: K103945

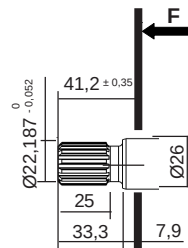
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

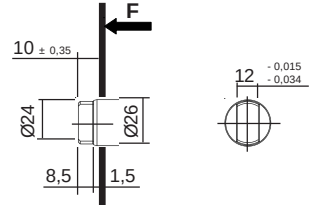
A02



Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

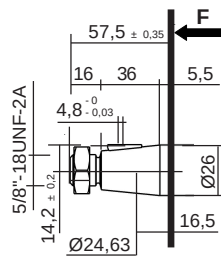
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

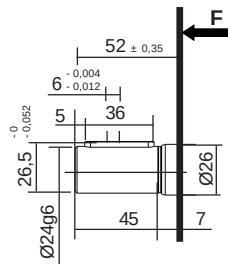
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

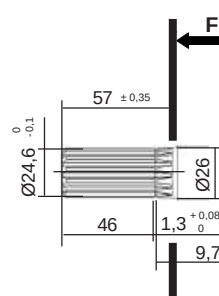
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

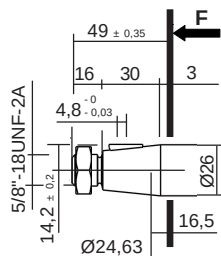
C03



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m

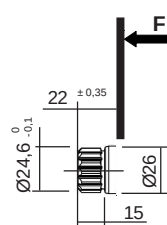
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

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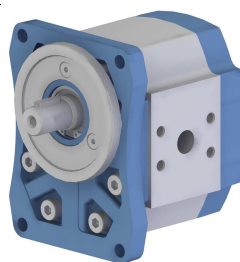
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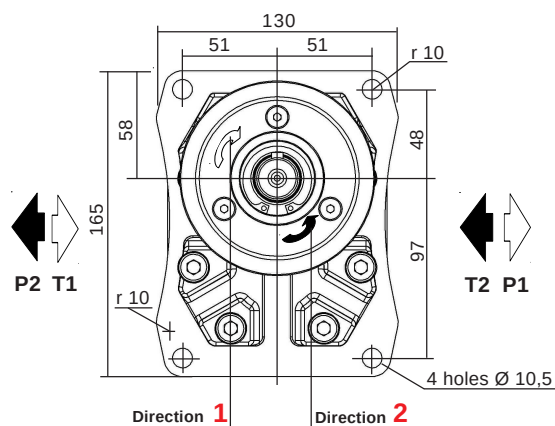
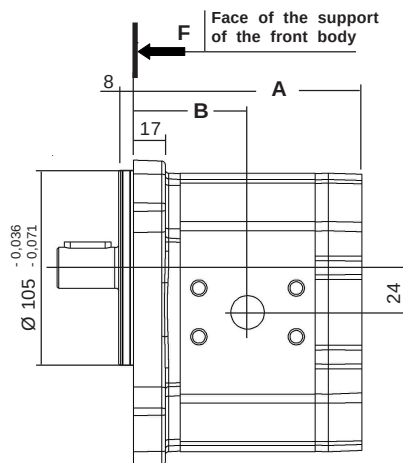
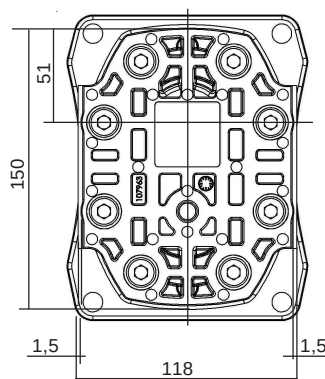
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

Capacity	A	B
020 - 025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5074041**

Viton: **K5074042**

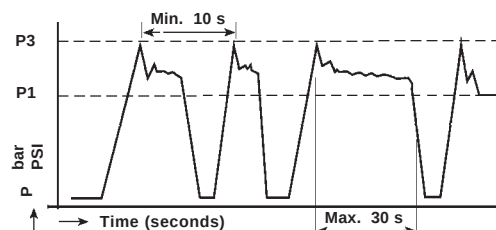
(For the manufacturings from october 1991)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

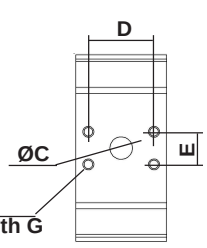
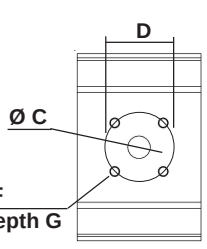
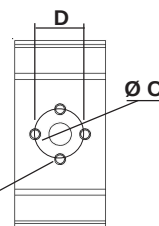
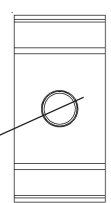
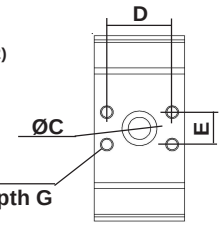
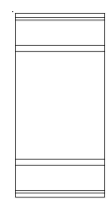
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
												INLET (T)		OUTLET (P)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G				
H (HPI) 	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 BSP V: 3.505060	3020 1/2" N: 3.500070 BSP V: 3.505058		
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3025 1" 1/4 N: 3.500103 BSP V: 3.505061	3025 3/4" N: 3.500071 BSP V: 3.505060		
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3031 1" 1/4 N: 3.500492 BSP V: 3.505066	3031 1" N: 3.500072 BSP V: 3.505060		
C (Square) 	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian) 	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475) 	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162) 	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

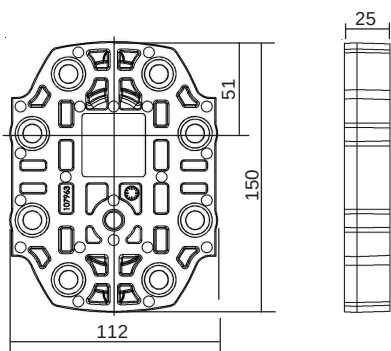
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REAR BODIES

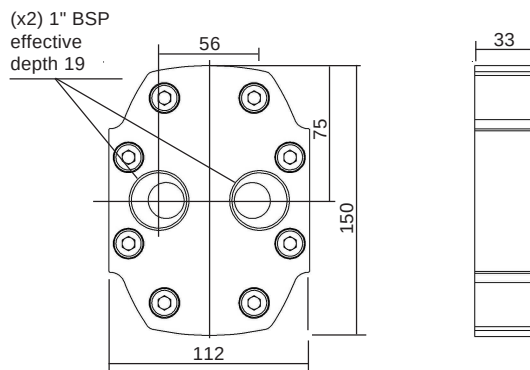
L

Standard



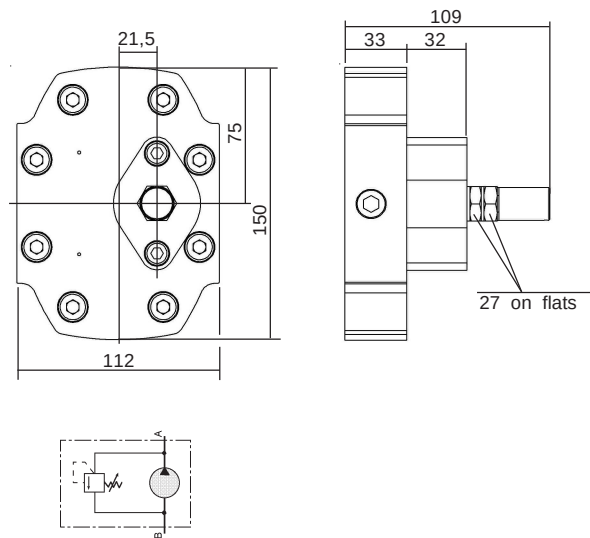
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



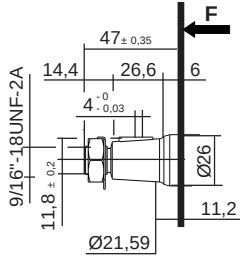
Dimensions readings and approximative characteristics subject to modifications.

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B03 Taper 1 / 8



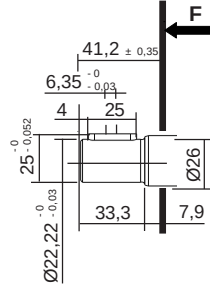
Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

Maxi transmissible torque
530 N.m

Straight keyed

20

A02

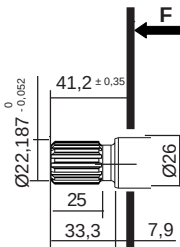


Maxi transmissible torque
290 N.m

Splined

30

A02



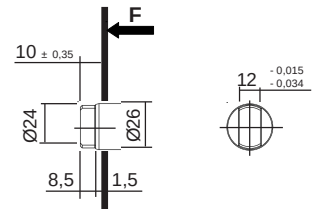
Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
390 N.m

Tang

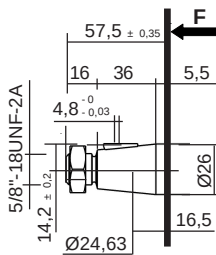
40

C04



Maxi transmissible torque
70 N.m

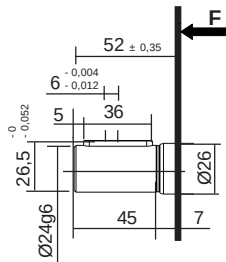
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

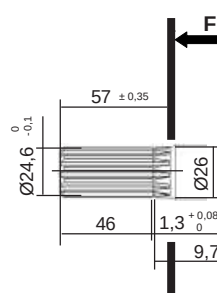
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

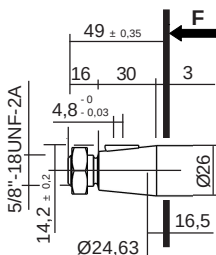
C03



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m

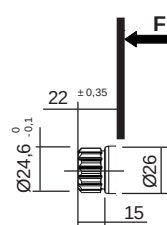
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1323 4/4

Consult us for availability

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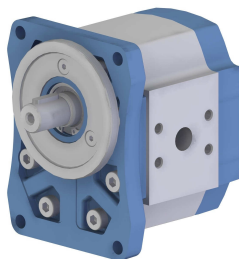
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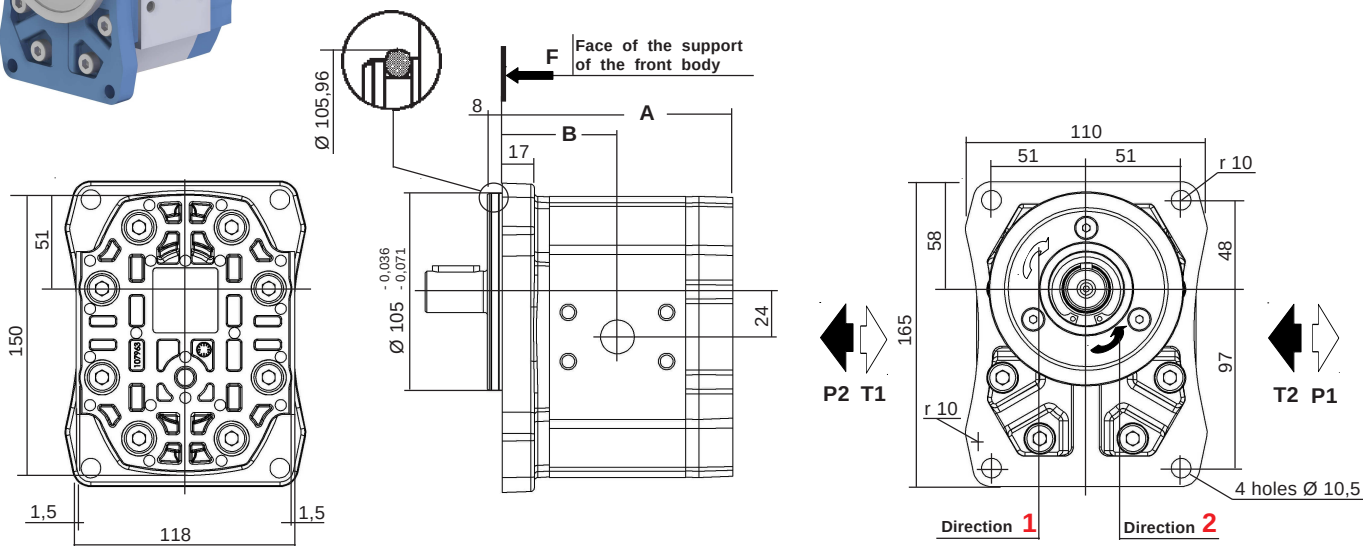
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[main dimensions](#)

PUBLISHING 04 / 11 / 2013



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5074041 + K106998**

Viton: **K5074042 + K108357**

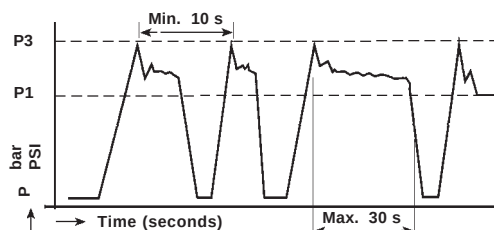
(For the manufacturings from october 1991)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		cc / rev	bar	PSI	bar		PSI	at 1500 RPM			
	l / min							l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

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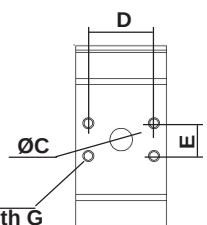
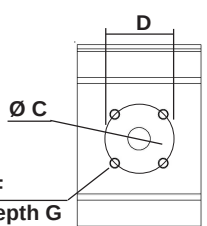
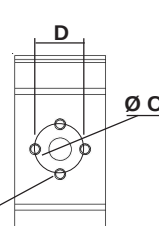
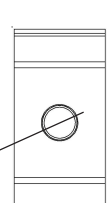
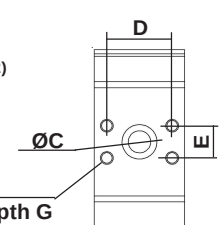
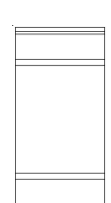
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main dimensions

PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
												3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3025 BSP V: 3.505058	3031 3/4" N: 3.500071 BSP V: 3.505060
H (HPI)															
	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16				
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16				
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16				
C (Square)															
	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian)															
	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475)															
	3020 to 3040				1' 5/16 -12 UNF	19				1' 5/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162)															
	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port)															
	3020 to 3040														
	3050 3060														
	3071 to 3100														

Only with rear body Type A

Consult us for availability

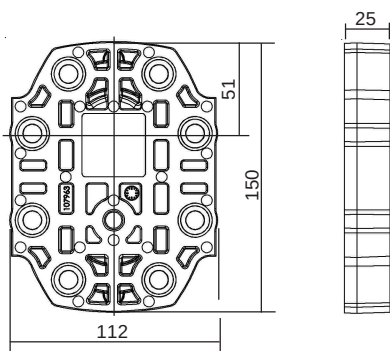
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REAR BODIES

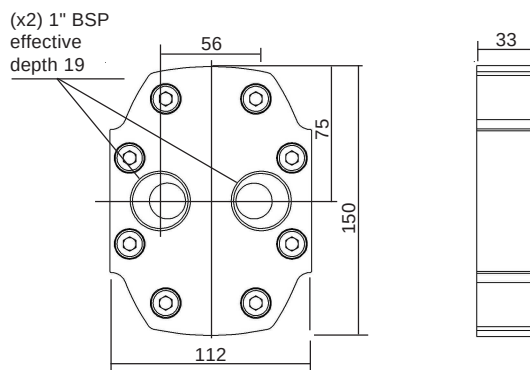
L

Standard



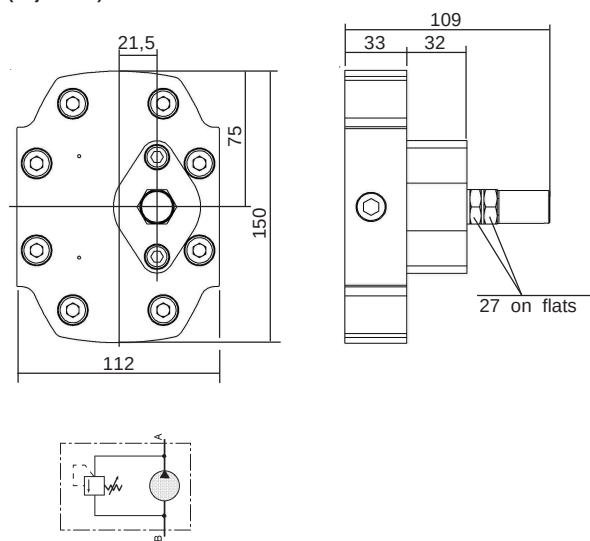
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1359 3/4

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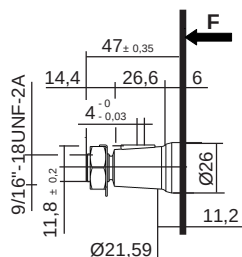
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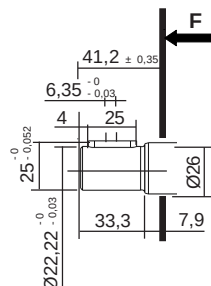
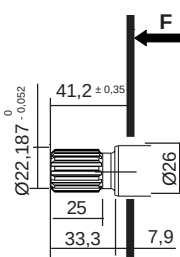
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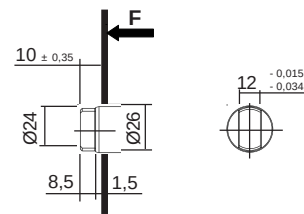
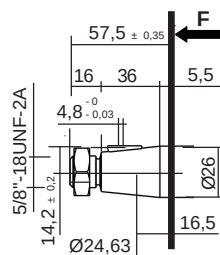
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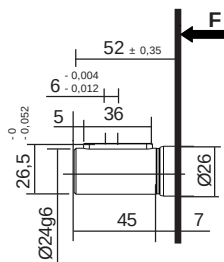
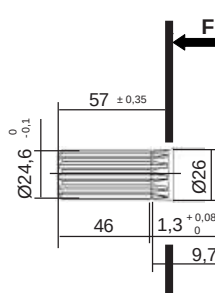
345
/ 00

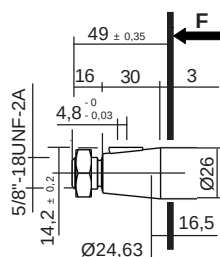
DRIVING SHAFT (FLAT FRONT BODY)
Tapered
10
B03 Taper 1 / 8

Delivered with Nut and lock washer Ref.: K100734
Ref.: K103945

Maxi transmissible torque
530 N.m
Straight keyed
20
A02

Maxi transmissible torque
290 N.m
Splined
30
A02

Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

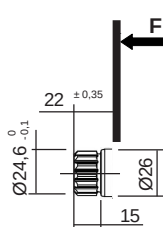
Maxi transmissible torque
390 N.m
Tang
40
C04

Maxi transmissible torque
70 N.m
B04 Taper 1 / 8


Delivered with Nut Ref.: K101877

Maxi transmissible torque
800 N.m
C04

Maxi transmissible torque
320 N.m
C03

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m
C04 Taper 1 / 5


Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m
C07

Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1359 4/4

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PUBLISHING 04 / 11 / 2013



F.T 30 1312

PUMPS PRESENTATION **SERIES 3**

- THICK FRONT BODIES

PUMP

AAP / AEP



Data sheet

F.T 30 1370

PUMP

AAR / AER



Data sheet

F.T 30 1373

PUMP

AAX



Data sheet

F.T 30 1414

PUMP

ABP



Data sheet

F.T 30 1375

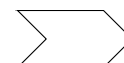
PUMP

ABR



Data sheet

F.T 30 1376



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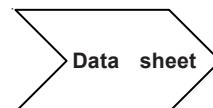
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- THICK FRONT BODIES (rest)

PUMP **ADP**



F.T 30 1371

PUMP **ADR**



F.T 30 1374

PUMP **ADX**



F.T 30 1377

PUMP **ADZ**



F.T 30 1378

PUMP **ZFC**



F.T 30 1372

MULTIPLES
PUMPS



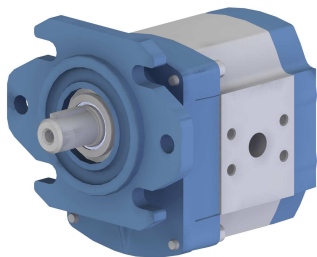
F.T 30 1306



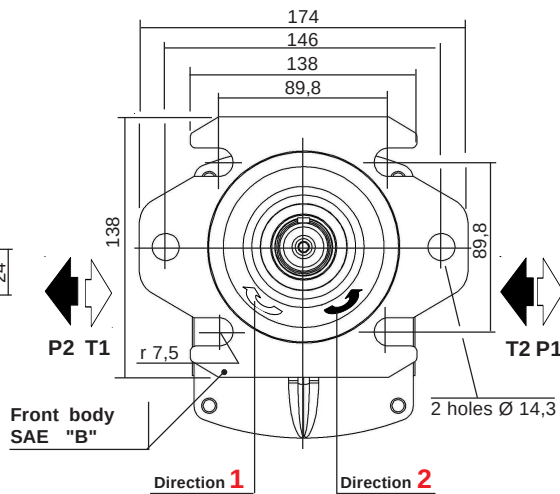
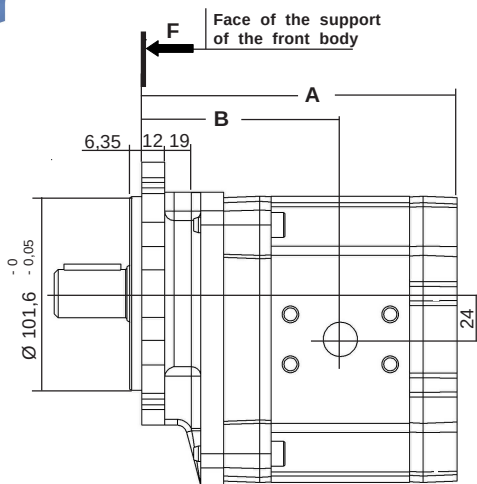
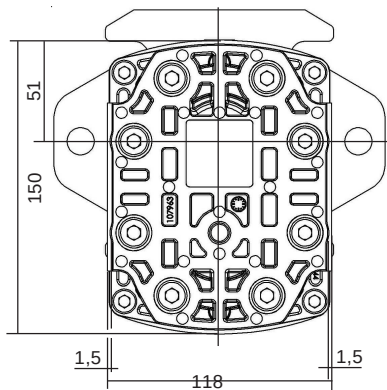
Consult us for availability

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PUBLISHING 17 / 03 / 2011



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043**

Viton: **K5083020 + K5074044**

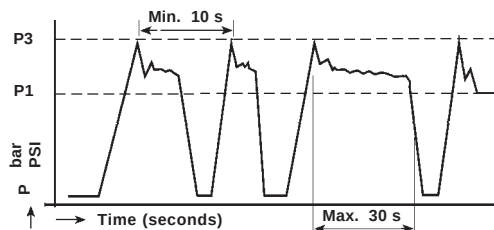
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
												1" N: 3.500072	3020 1/2" N: 3.500070	3025 1/2" N: 3.500070	3020 1/2" N: 3.500070
												BSP V: 3.505060	BSP V: 3.505060	BSP V: 3.505058	BSP V: 3.505058
H (HPI)	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	1" 1/4 N: 3.500103	3031 3/4" N: 3.500071	3040 3/4" N: 3.505060	3040 3/4" N: 3.505060
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492	1" BSP N: 3.500072	1" BSP N: 3.500072	1" BSP N: 3.500072
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493	3080 1" 1/2 N: 3.500493	3090 1" 1/2 N: 3.500493	3100 1" 1/2 N: 3.500493
												BSP V: 3.505067	BSP V: 3.505067	BSP V: 3.505061	BSP V: 3.505061
C (Square)	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian)	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475)	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162)	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port)	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 11370 2/4

Consult us for availability

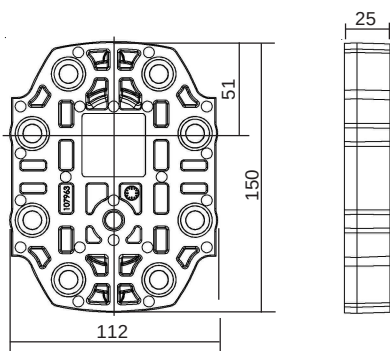
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REAR BODIES

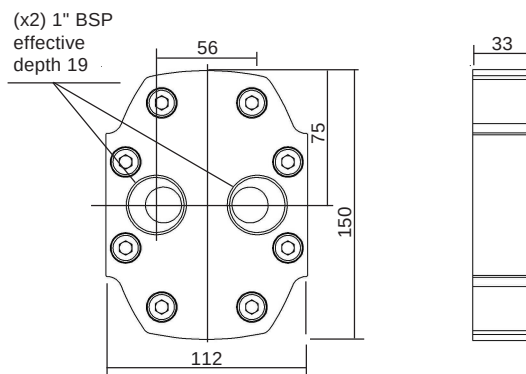
L

Standard



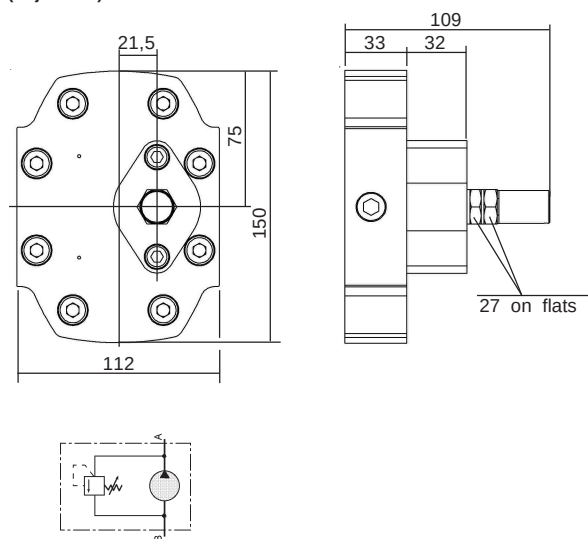
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1370 3/4

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351
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DRIVING SHAFTS

Tapered

10

Straight keyed

20

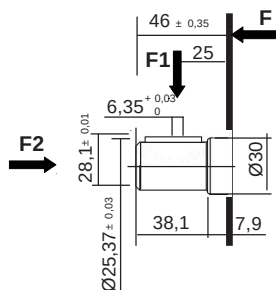
Splined

30

Tang

40

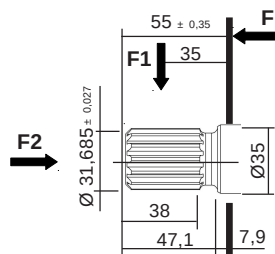
A04 SAE "BB"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

A04

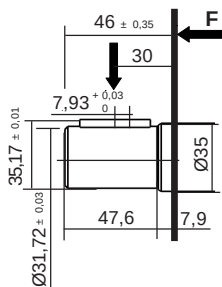


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

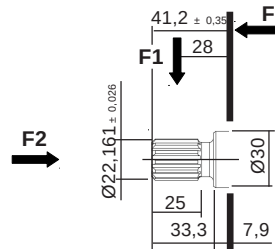
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

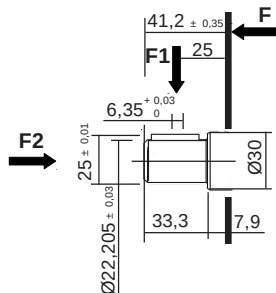


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

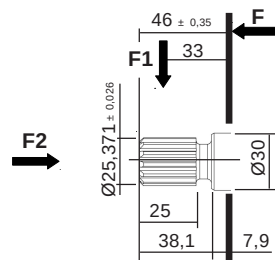
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

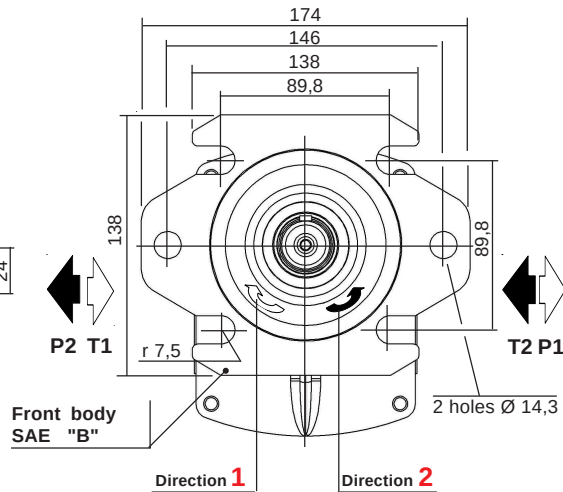
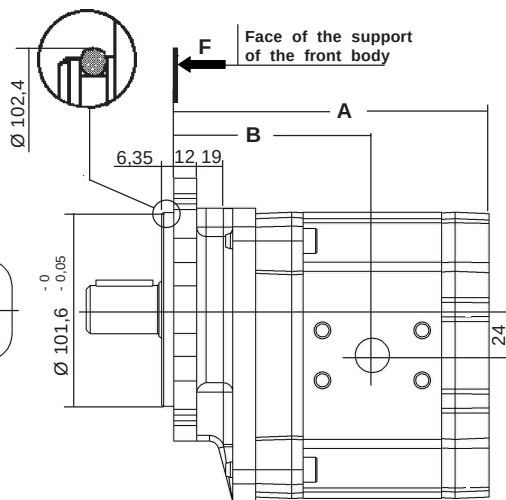
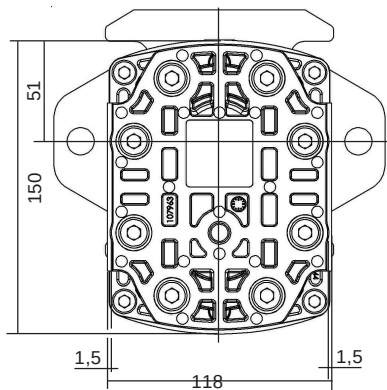
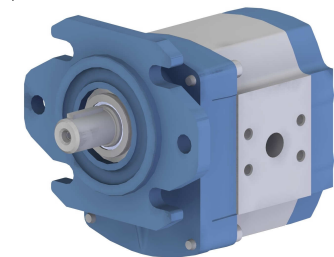
Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1370 4/4

P **II** **A . R 3** **VI** **H L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043 + K107081**

Viton: **K5083020 + K5074044 + K107045**

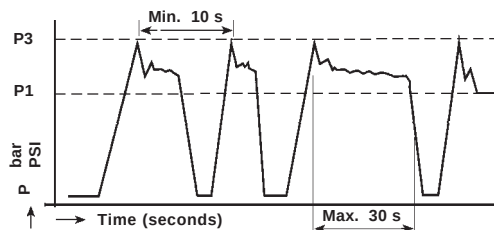
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



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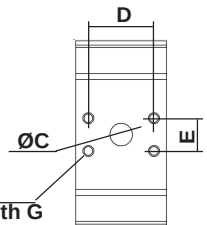
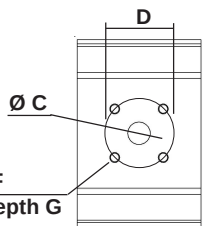
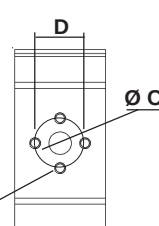
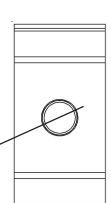
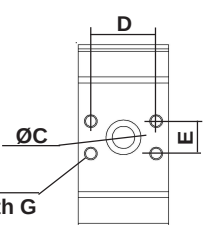
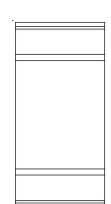
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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity 3020 to 3040 3050 3060 3071 to 3100	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
												3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 3025 3031 3040	1/2" N: 3.500070 BSP V: 3.505058 3/4" N: 3.500071 BSP V: 3.505060
H (HPI)		28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		1" BSP N: 3.500072 V: 3.505060	
		42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3071 3080 3090 3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3071 3080 3090 3100	1" N: 3.500072 BSP V: 3.505060 1" 1/4 N: 3.500103 BSP V: 3.505061
C (Square)															
		28	55		M8	17	18	55		M8	17				
B (Italian)		27	51		M10	17	18	40		M8	17				
															
U (Threaded SAE J 475)					1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
					1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
Y (ISO 6162)		28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
		42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
X (without port)		Only with rear body Type A													
															

Consult us for availability

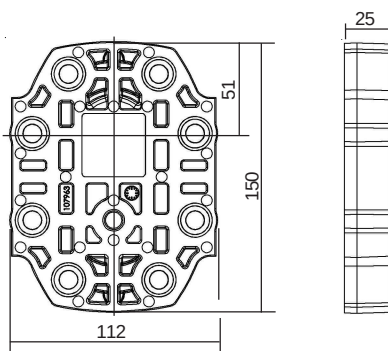
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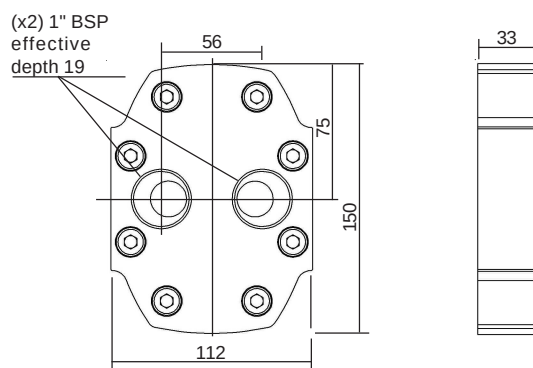
L

Standard



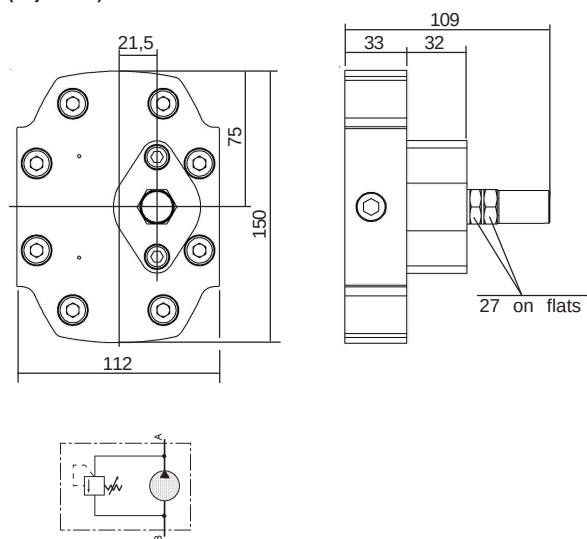
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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DRIVING SHAFTS

Tapered

10

Straight keyed

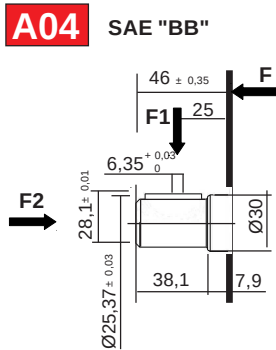
20

Splined

30

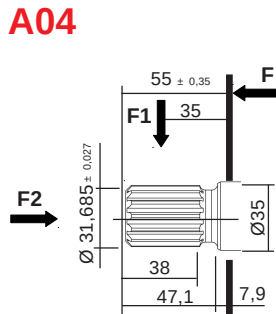
Tang

40



F1 = 140 daN
F2 = 50 daN

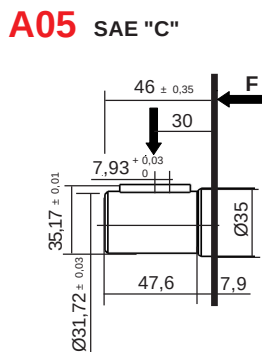
Maxi transmissible torque
340 N.m



F1 = 120 daN
F2 = 50 daN

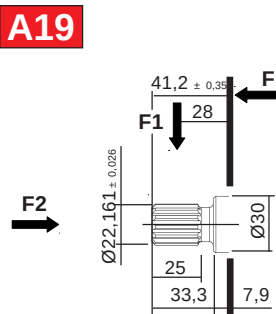
Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m



F1 = 140 daN
F2 = 50 daN

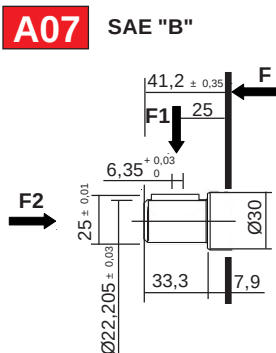
Maxi transmissible torque
430 N.m



F1 = 120 daN
F2 = 50 daN

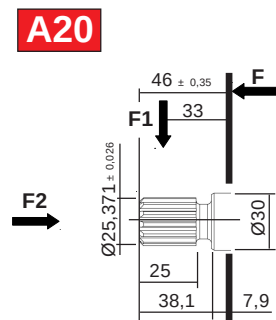
Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m



F1 = 120 daN
F2 = 50 daN

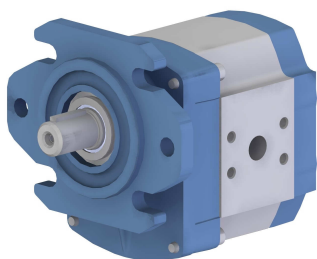
Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

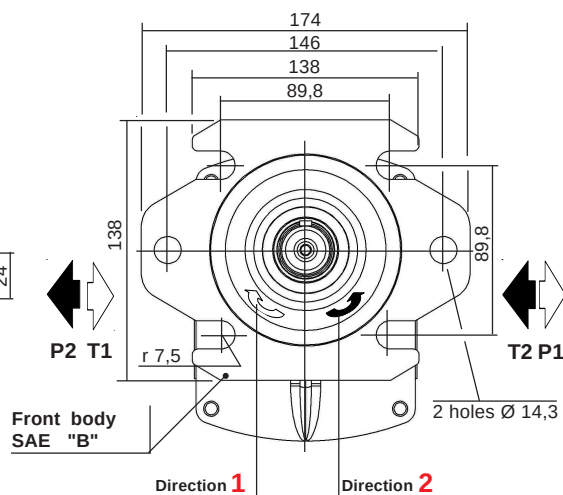
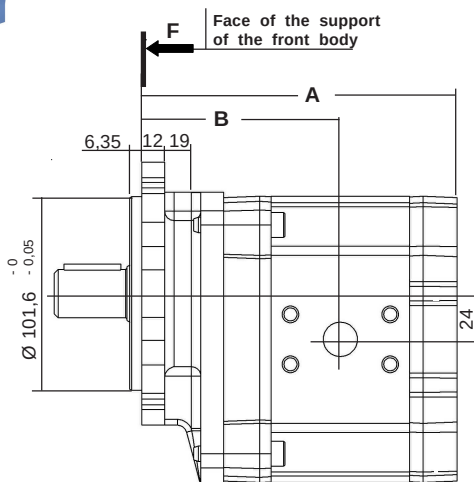
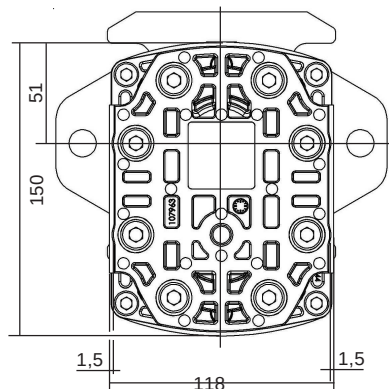
Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043**

Viton: **K5083020 + K5074044**

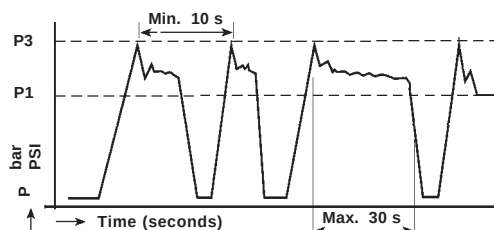
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

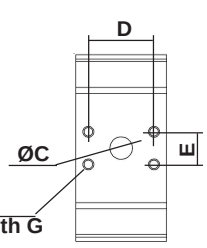
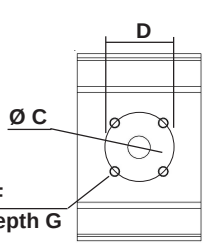
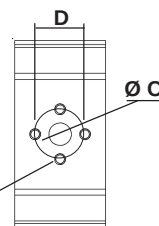
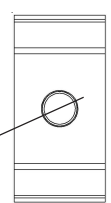
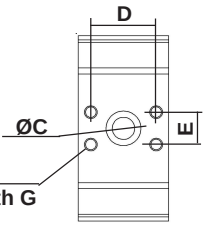
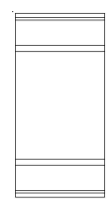
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
H (HPI) 	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 BSP V: 3.505060	3020 1/2" N: 3.500070 BSP V: 3.505058	3025 1" N: 3.500071 BSP V: 3.505060	3025 3/4" N: 3.500071 BSP V: 3.505060
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		1" BSP N: 3.500072 V: 3.505060	
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 BSP V: 3.505067	3071 1" N: 3.500072 BSP V: 3.505060	3080 1" 1/2 N: 3.500493 BSP V: 3.505067	3080 1" 1/4 N: 3.500103 BSP V: 3.505061
C (Square) 	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian) 	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475) 	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162) 	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

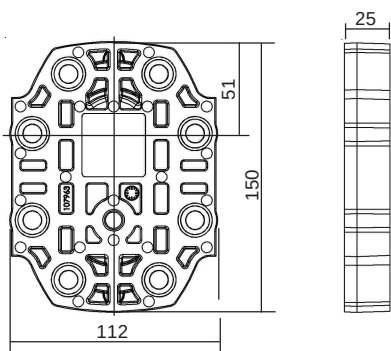
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REAR BODIES

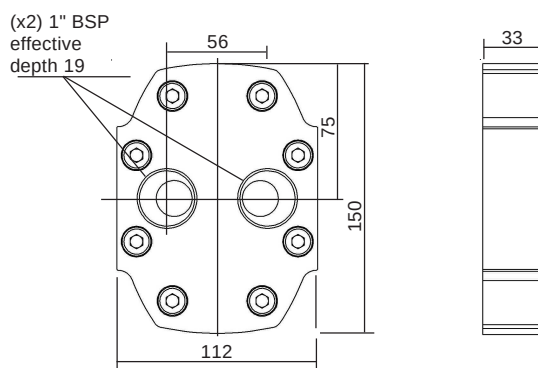
L

Standard



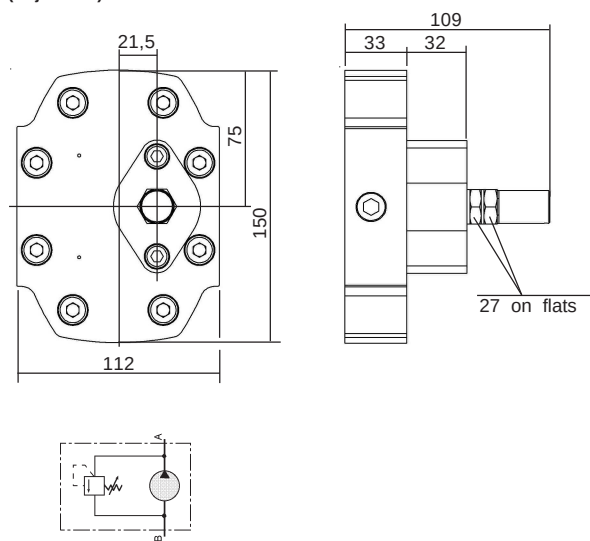
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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DRIVING SHAFTS

Tapered

10

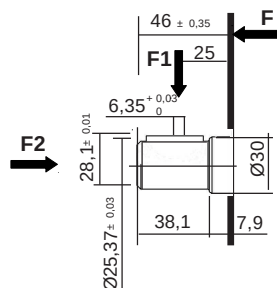
Straight keyed

20

Splined

30

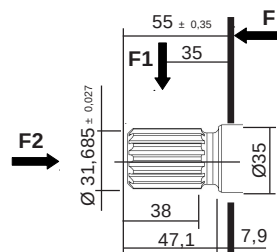
Tang

40
A04 SAE "BB"


F1 = 0 daN

F2 = 50 daN

Maxi transmissible torque

340 N.m
A04


F1 = 0 daN

F2 = 50 daN

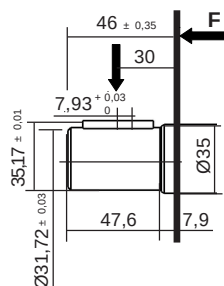
Involute spline to SAE "C"

14 teeth - 1" 1/4-

Diametral Pitch 16/32

30° Pressure angle

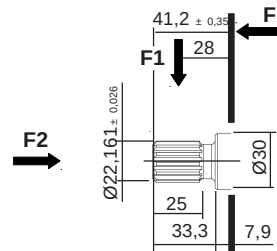
Maxi transmissible torque

500 N.m
A05 SAE "C"


F1 = 0 daN

F2 = 50 daN

Maxi transmissible torque

430 N.m
A19


F1 = 0 daN

F2 = 50 daN

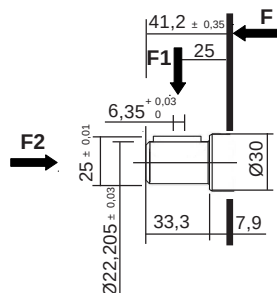
Involute spline to SAE "B"

13 teeth - 7/8"

Diametral Pitch 16/32

30° Pressure angle

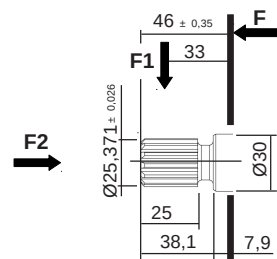
Maxi transmissible torque

310 N.m
A07 SAE "B"


F1 = 0 daN

F2 = 50 daN

Maxi transmissible torque

290 N.m
A20


F1 = 0 daN

F2 = 50 daN

Involute spline to SAE "BB"

15 teeth - 1"

Diametral Pitch 16/32

30° Pressure angle

Maxi transmissible torque

490 N.m

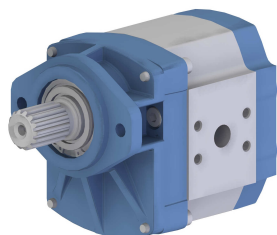
Dimensions readings and approximative characteristics subject to modifications.

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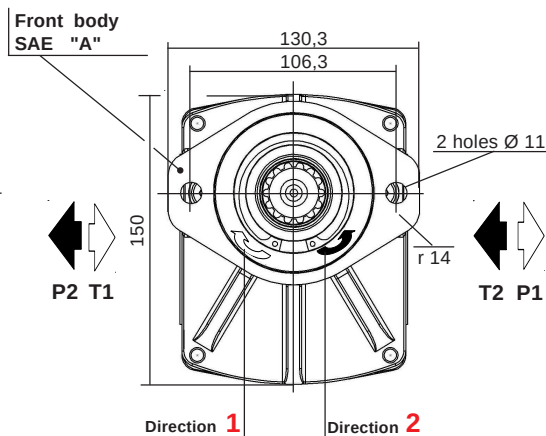
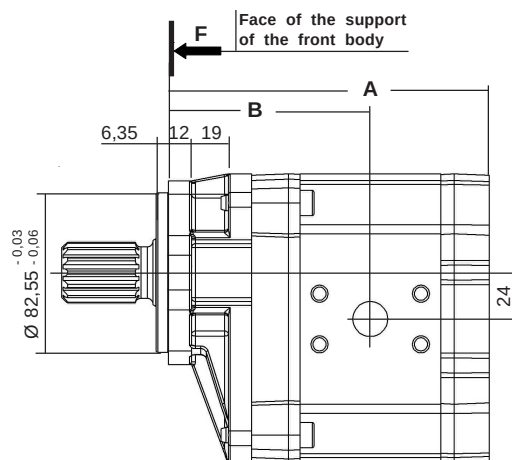
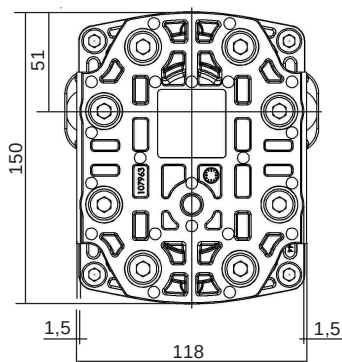
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For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043**

Viton: **K5083020 + K5074044**

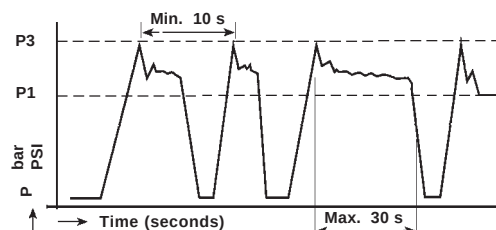
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE bar PSI		MAX WORKING PRESSURE bar PSI		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.

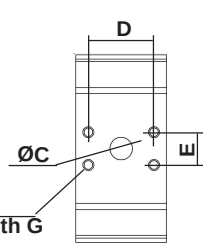
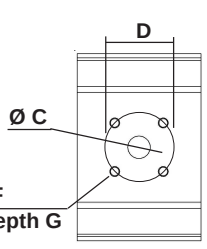
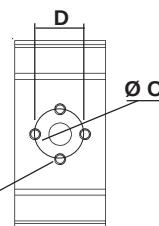
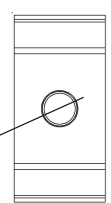
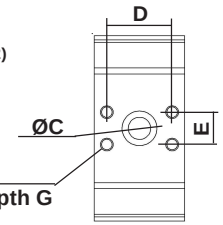
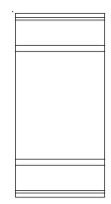
Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
												INLET (T)		OUTLET (P)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G				
H (HPI)  Ø F effective depth G	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 to 3040	1/2" N: 3.500070 BSP V: 3.505058
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		3025 3040	1" BSP N: 3.500072 V: 3.505060
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 3080 3090 3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3071 3080 3090 3100	1" N: 3.500072 BSP V: 3.505060
C (Square)  4 holes Ø F effective depth G	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian)  4 holes Ø F effective depth G	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475)  Ø F effective depth G	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162)  Ø F effective depth G	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port) 	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

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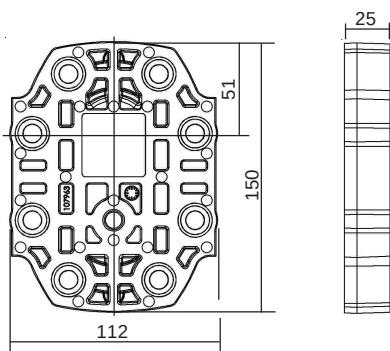
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REAR BODIES

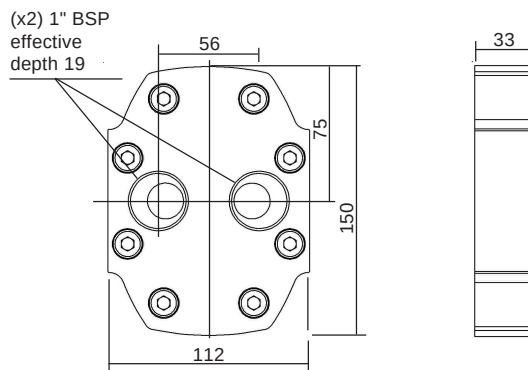
L

Standard



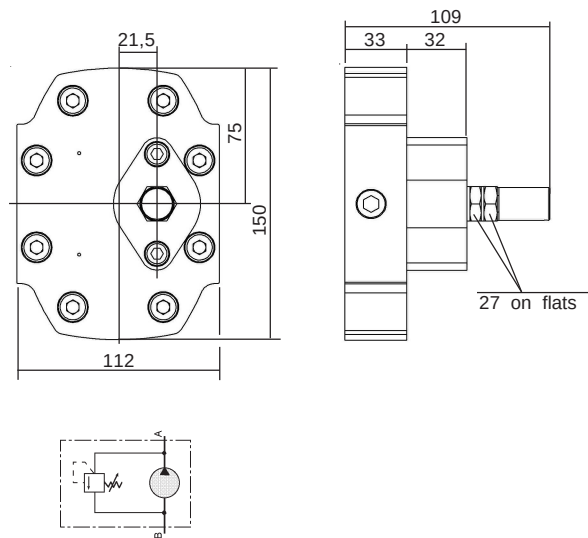
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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PUBLISHING 17 / 03 / 2011

DRIVING SHAFTS

Tapered

10

Straight keyed

20

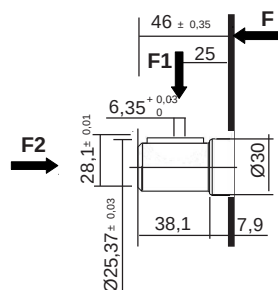
Splined

30

Tang

40

A04 SAE "BB"



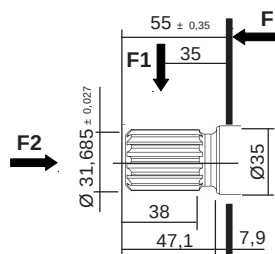
F1 = 140 daN

F2 = 50 daN

Maxi transmissible torque

340 N.m

A04



F1 = 120 daN

F2 = 50 daN

Involute spline to SAE "C"

14 teeth - 1" 1/4"

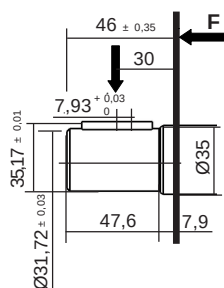
Diametral Pitch 16/32

30° Pressure angle

Maxi transmissible torque

500 N.m

A05 SAE "C"



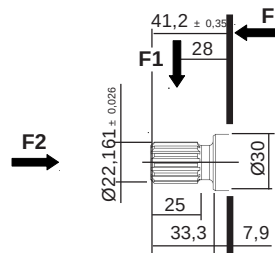
F1 = 140 daN

F2 = 50 daN

Maxi transmissible torque

430 N.m

A19



F1 = 120 daN

F2 = 50 daN

Involute spline to SAE "B"

13 teeth - 7/8"

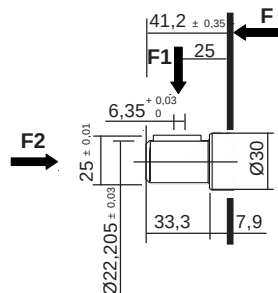
Diametral Pitch 16/32

30° Pressure angle

Maxi transmissible torque

310 N.m

A07 SAE "B"



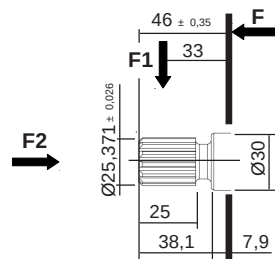
F1 = 140 daN

F2 = 50 daN

Maxi transmissible torque

290 N.m

A20



F1 = 120 daN

F2 = 50 daN

Involute spline to SAE "BB"

15 teeth - 1"

Diametral Pitch 16/32

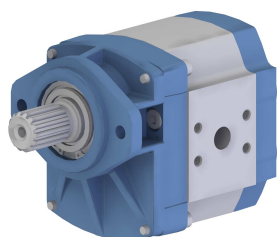
30° Pressure angle

Maxi transmissible torque

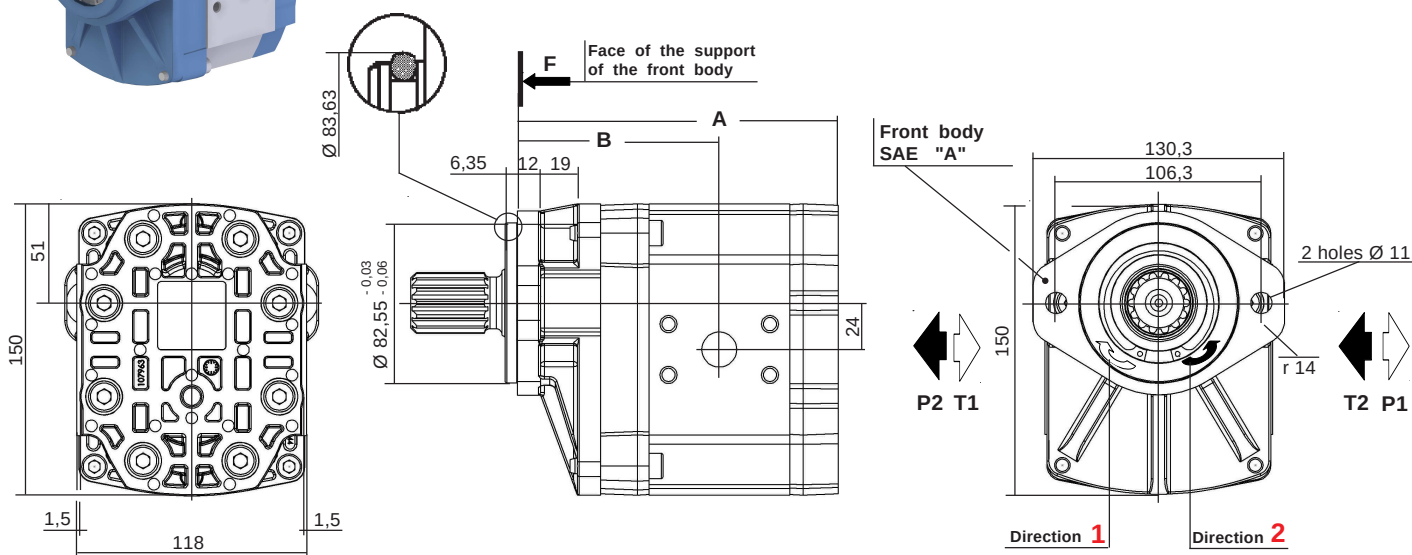
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1375 4/4



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019+ K5074043 + K102901**

Viton: **K5083020 + K5074044 + K104093**

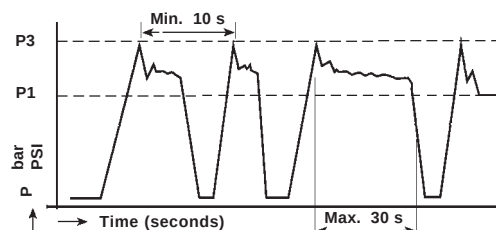
(For the manufacturings from february 1998)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

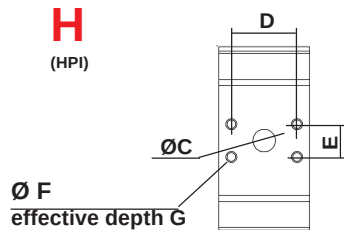
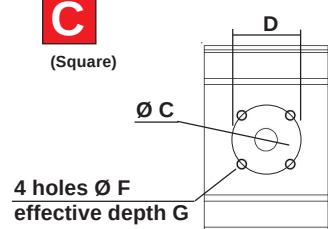
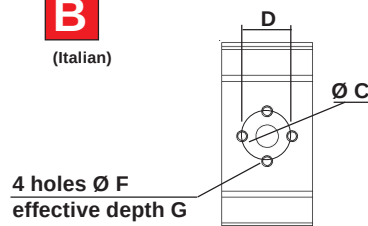
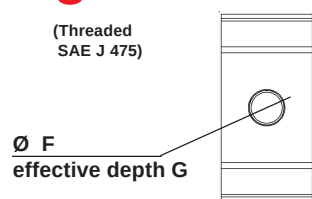
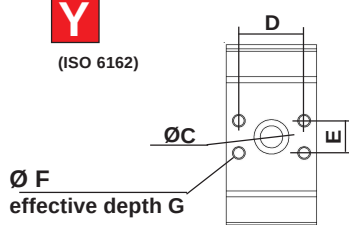
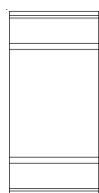
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

C
(Square)

B
(Italian)

U
(Threaded
SAE J 475)

Y
(ISO 6162)

X
(without port)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
											INLET (T)		OUTLET (P)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G				
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 BSP N: 3.500070 V: 3.505058	
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3025	1" 1/4 N: 3.500103 BSP V: 3.505061	3031 BSP N: 3.500071 V: 3.505060	
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3031 to 3100	1" 1/4 N: 3.500492 BSP V: 3.505066	3040 BSP N: 3.500072 V: 3.505060	
3020 to 3040											3071	1" 1/2 N: 3.500493 BSP V: 3.505067	3071 BSP N: 3.500072 V: 3.505060	
3050 3060	28	55		M8	17	18	55		M8	17	3080	1" 1/4 N: 3.500493 BSP V: 3.505067	3080 BSP N: 3.500103 V: 3.505061	
3071 to 3100											3100	1" 1/4 N: 3.500493 BSP V: 3.505067	3100 BSP N: 3.500103 V: 3.505061	
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														

Only with rear body Type A

Consult us for availability

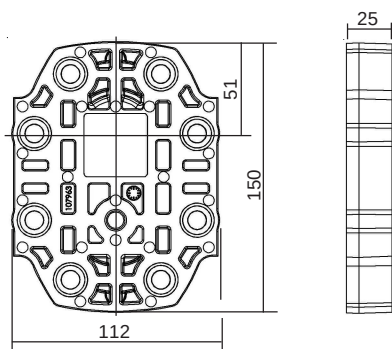
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PUBLISHING 28 / 03 / 2014

REAR BODIES

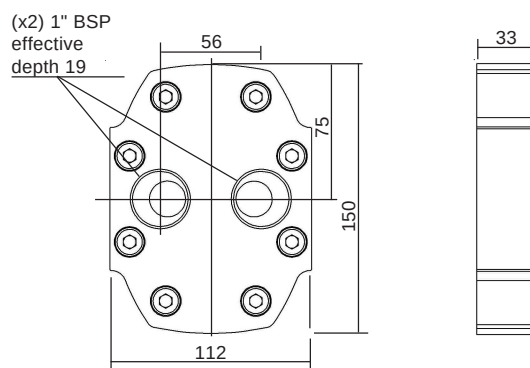
L

Standard



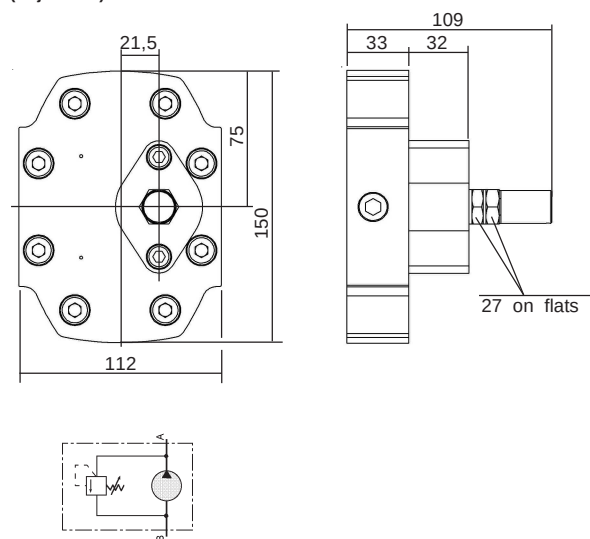
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1376 3/4

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PUBLISHING 17 / 03 / 2011

DRIVING SHAFTS

Tapered

10

Straight keyed

20

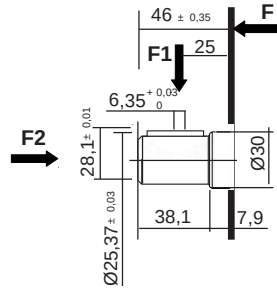
Splined

30

Tang

40

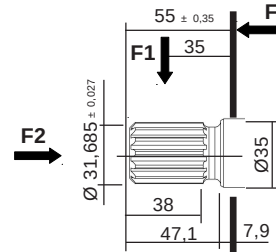
A04 SAE "BB"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

A04

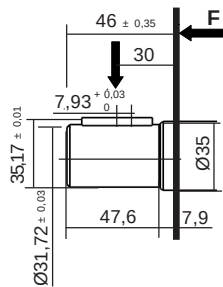


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

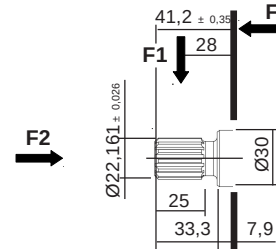
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

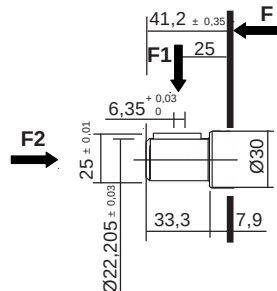


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

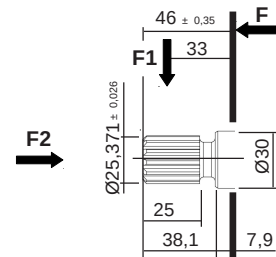
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

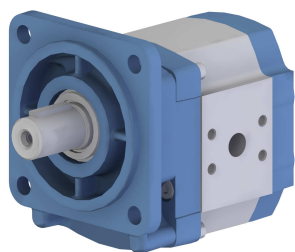
Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

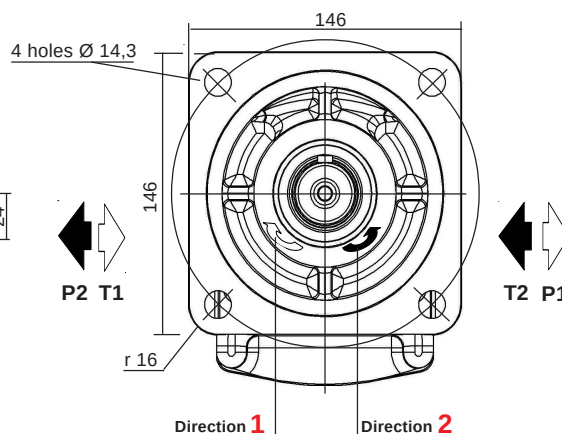
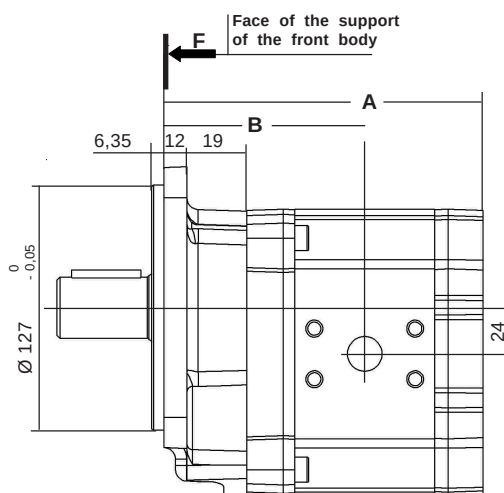
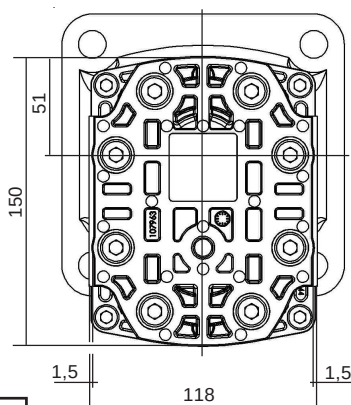
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1376 4/4

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043**

Viton: **K5083020 + K5074044**

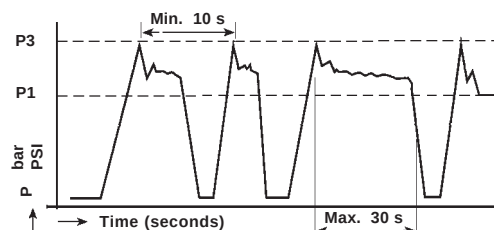
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.
 $P1 = 0,75 \times P3$

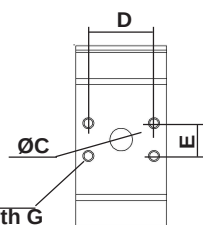
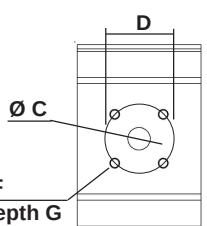
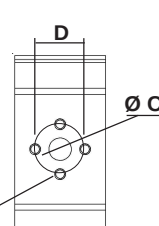
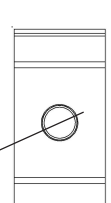
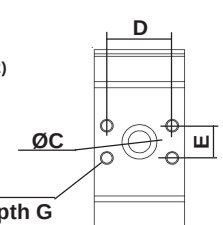
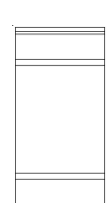
P3 Allowable peak pressure.

Maximum Pressure $\Rightarrow$



F.T 30 1371 1/4

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
												INLET (T)		OUTLET (P)	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3025 BSP N: 3.500070 V: 3.505058	3030 1" 1/4 N: 3.500103 BSP V: 3.505061
H (HPI)															
	3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16				
	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16		1" 1/4 BSP N: 3.500492 V: 3.505066	1" BSP N: 3.500072 V: 3.505060	
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 3080 BSP V: 3.505067	3071 1" N: 3.500072 3080 BSP V: 3.505060	3090 1" 1/4 N: 3.500103 3100 BSP V: 3.505061	
C (Square)															
	3020 to 3040														
	3050 3060	28	55		M8	17	18	55		M8	17				
	3071 to 3100														
B (Italian)															
	3020 to 3040	27	51		M10	17	18	40		M8	17				
	3050 3060														
	3071 to 3100														
U (Threaded SAE J 475)															
	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
	3071 to 3100														
Y (ISO 6162)															
	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
	3071 to 3100														
X (without port)															
	3020 to 3040	Only with rear body Type A													
	3050 3060														
	3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 11371 2/4

Consult us for availability

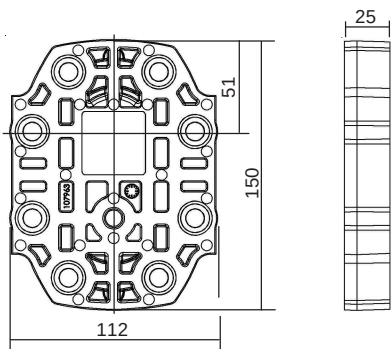
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REAR BODIES

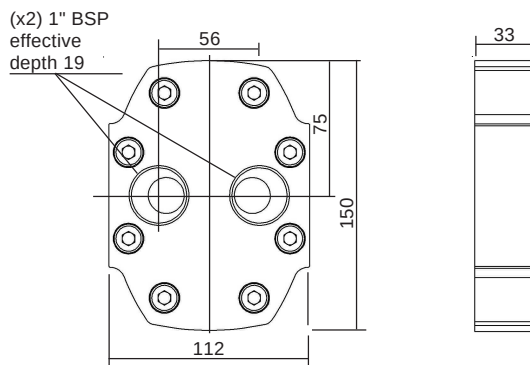
L

Standard



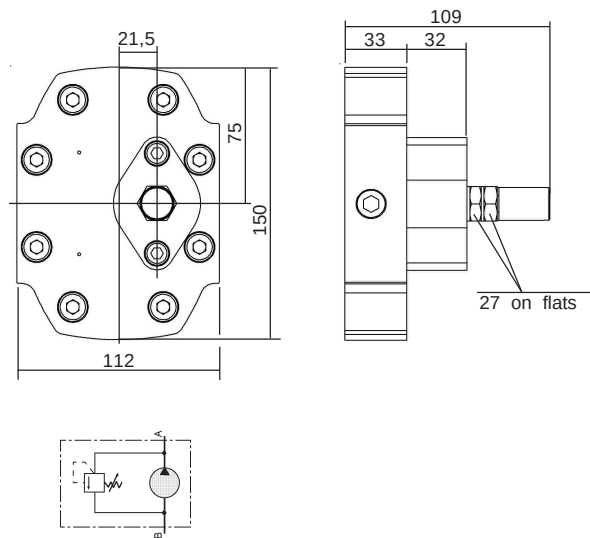
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

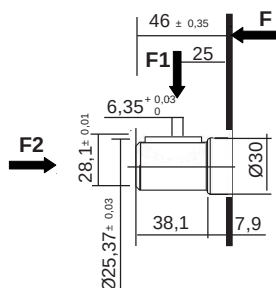
DRIVING SHAFTS

10

Straight keyed

20

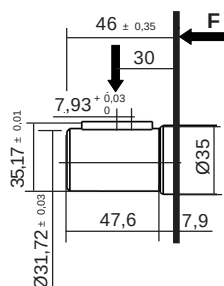
A04 SAE "BB"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

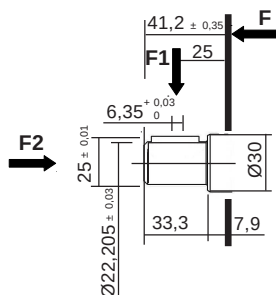
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A07 SAE "B"



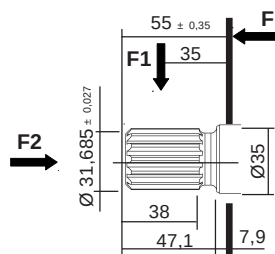
F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

Splined

30

A04

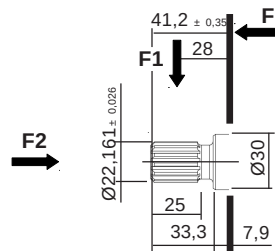


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

A19

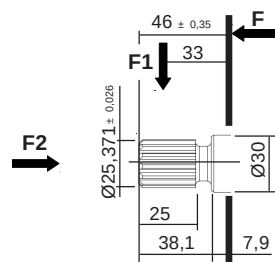


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

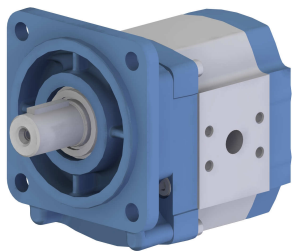
Tang

40

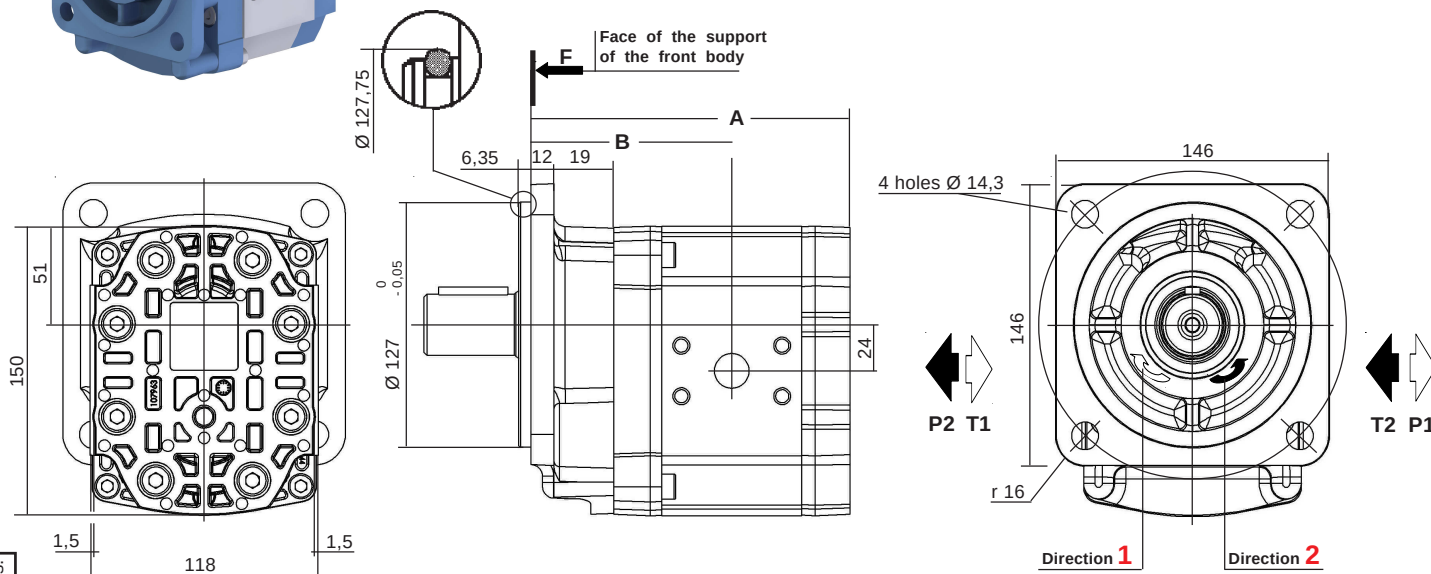
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1371 4/4

Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

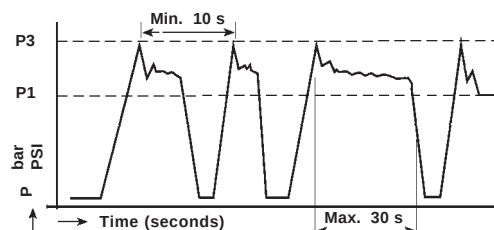
Seal kits:
Nitrile: K5083019 + K5074043 + K107089
Viton: K5083020 + K5074043 + K107090
(For the manufacturings from february 1998)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
	cc / rev	bar	PSI	bar	PSI		l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

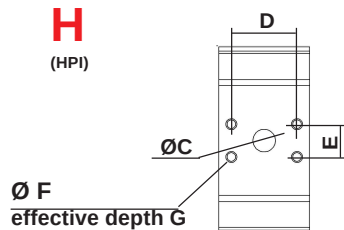
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.

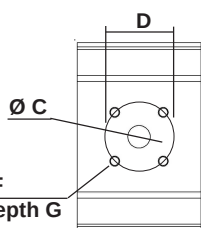


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

Ø F
effective depth G

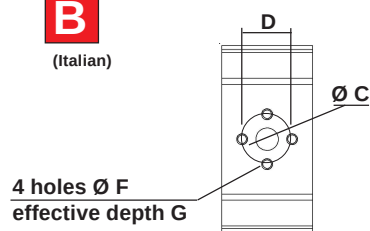
C

(Square)

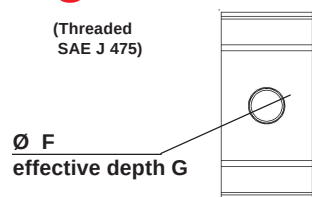

4 holes Ø F
effective depth G

B

(Italian)

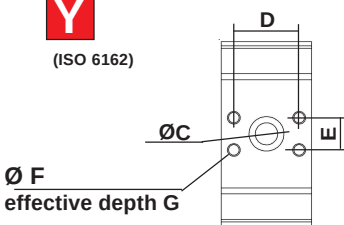

4 holes Ø F
effective depth G

U

(Threated
SAE J 475)

Ø F
effective depth G

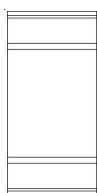
Y

(ISO 6162)


Ø F
effective depth G

X

(without port)



Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
											Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
											INLET (T)		OUTLET (P)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G				
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 BSP V: 3.505058	1/2" N: 3.500070 BSP V: 3.505058
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3025	1" 1/4 N: 3.500103 BSP V: 3.505061	3031 BSP V: 3.505071	3/4" N: 3.500071 BSP V: 3.505060
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3031	1" 1/2 N: 3.500493 BSP V: 3.505066	3040	1" N: 3.500072 BSP V: 3.505060
											3071	1" 1/2 N: 3.500493 BSP V: 3.505067	3071	1" N: 3.500072 BSP V: 3.505060
											3080	1" 1/2 N: 3.500493 BSP V: 3.505067	3080	1" 1/4 N: 3.500103 BSP V: 3.505061
											3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3100	1" 1/4 N: 3.500103 BSP V: 3.505061
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														

Only with rear body Type A

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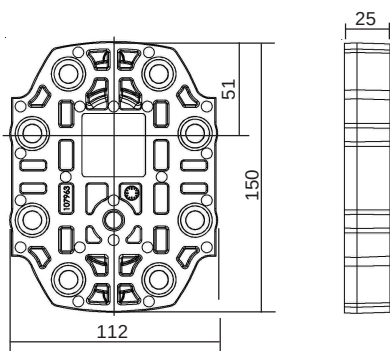
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES

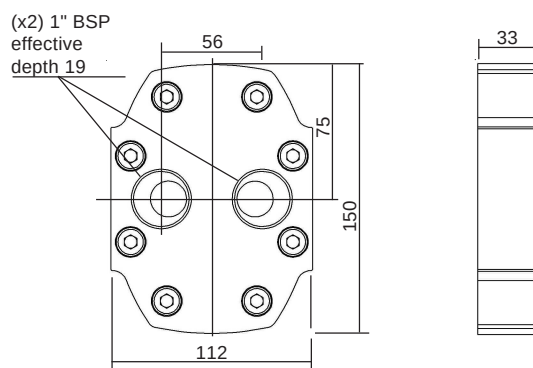
L

Standard



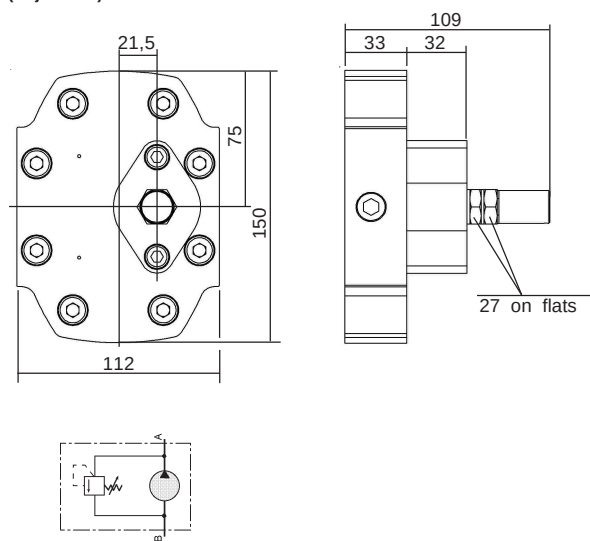
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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DRIVING SHAFTS

Tapered

10

Straight keyed

20

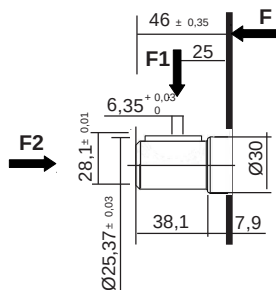
Splined

30

Tang

40

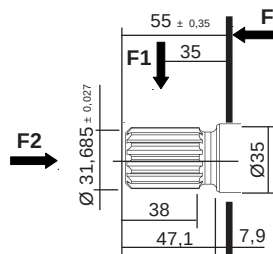
A04 SAE "BB"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

A04

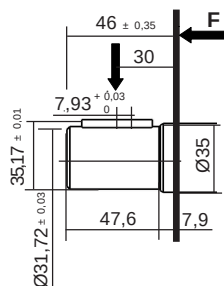


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teeth - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

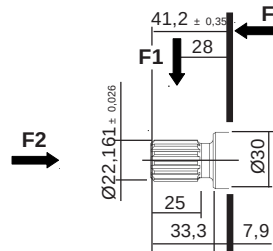
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

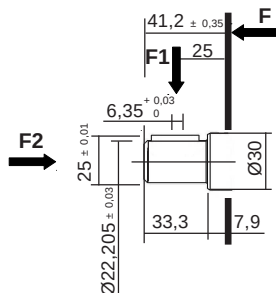


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

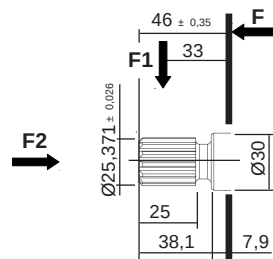
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



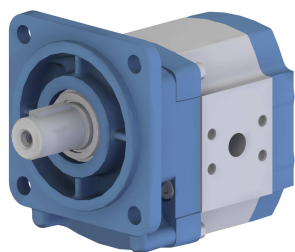
F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

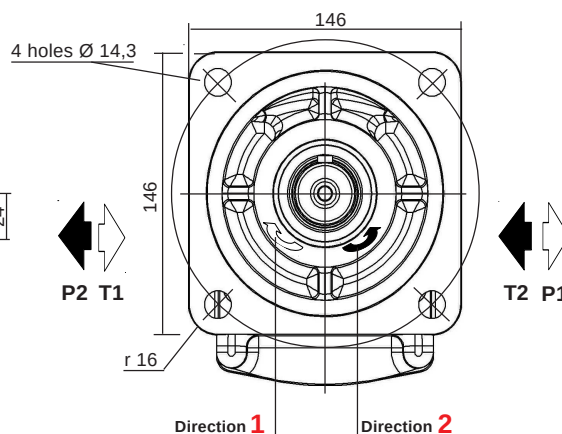
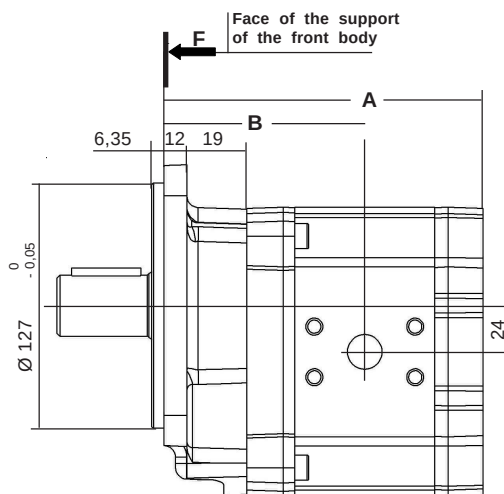
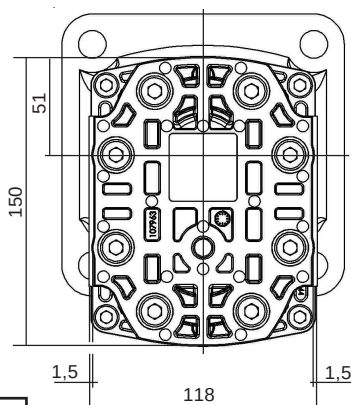
Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1374 4/4



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043**

Viton: **K5083020 + K5074044**

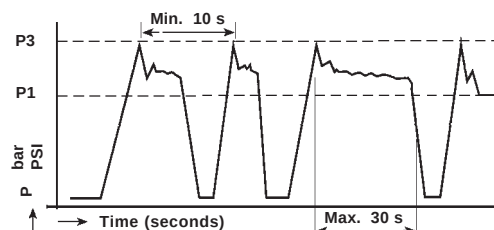
(For the manufacturings from february 1998)

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
							at 1500 RPM	at Maxi speed			
	cc / rev	bar	PSI	bar	PSI		l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

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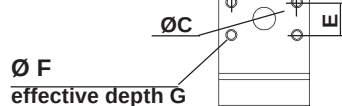
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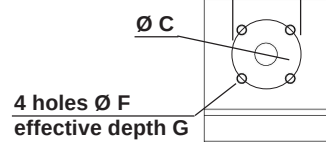
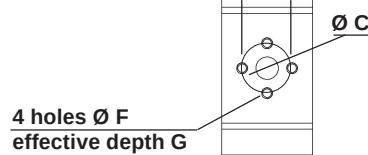
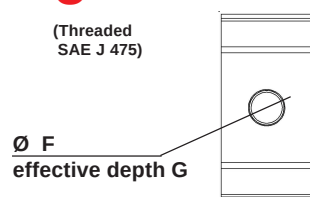
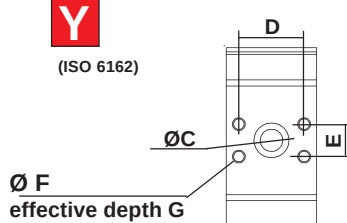
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main dimensions

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CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70			
											Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
											INLET (T)		OUTLET (P)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G				
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072 BSP V: 3.505060	3025 1/2" N: 3.500070 BSP V: 3.505058	3030 1" 1/4 N: 3.500103 BSP V: 3.505061	3035 3/4" N: 3.500071 BSP V: 3.505060
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		1" BSP N: 3.500072 V: 3.505060	
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493 BSP V: 3.505067	3080 1" N: 3.500072 BSP V: 3.505060	3090 1" 1/4 N: 3.500103 BSP V: 3.505061	3100 1" 1/2 N: 3.500493 BSP V: 3.505067
3020 to 3040														
3050 3060	28	55		M8	17	18	55		M8	17				
3071 to 3100														
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														
3020 to 3040														
3050 3060														
3071 to 3100														

C
(Square)

B
(Italian)

U
(Threaded
SAE J 475)

Y
(ISO 6162)

X
(without port)


Only with rear body Type A

Consult us for availability

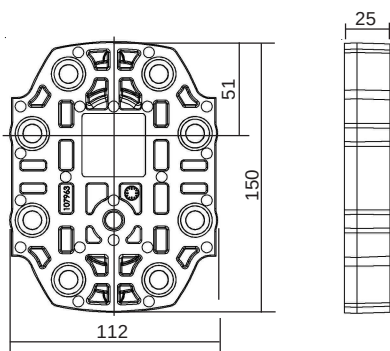
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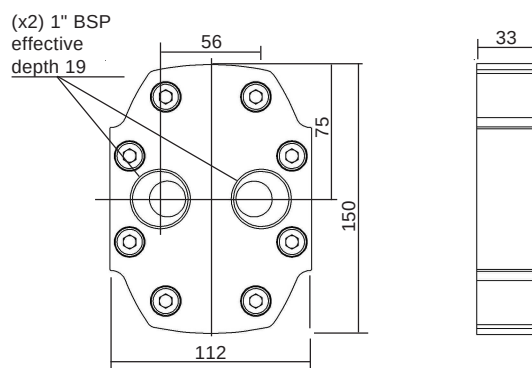
L

Standard



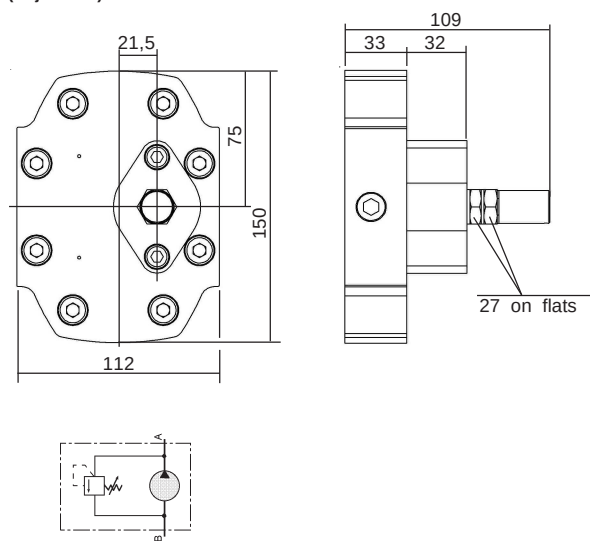
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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PUBLISHING 17 / 03 / 2011

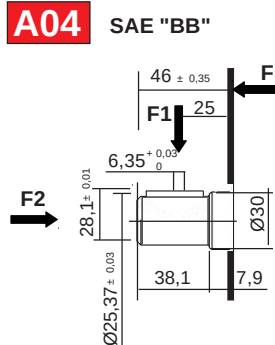
DRIVING SHAFTS

Tapered
10

Straight keyed
20

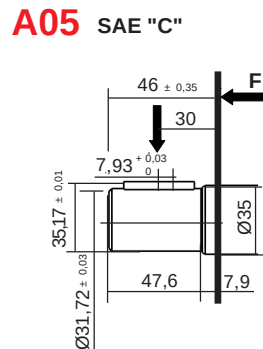
Splined
30

Tang
40



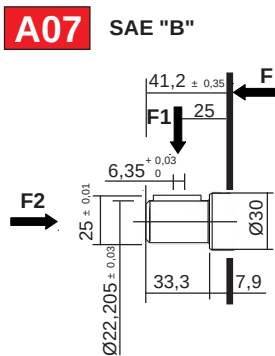
F1 = 0 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m



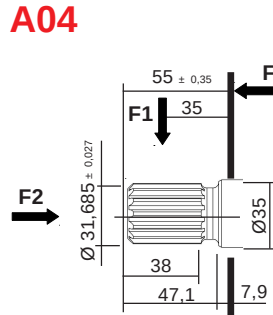
F1 = 0 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m



F1 = 0 daN
F2 = 50 daN

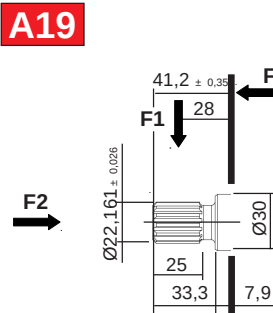
Maxi transmissible torque
290 N.m



F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

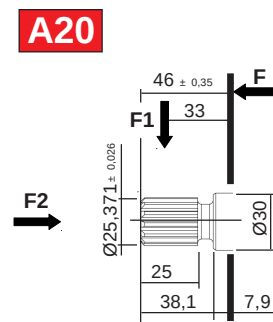
Maxi transmissible torque
500 N.m



F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m



F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

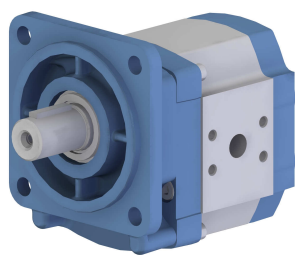
Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

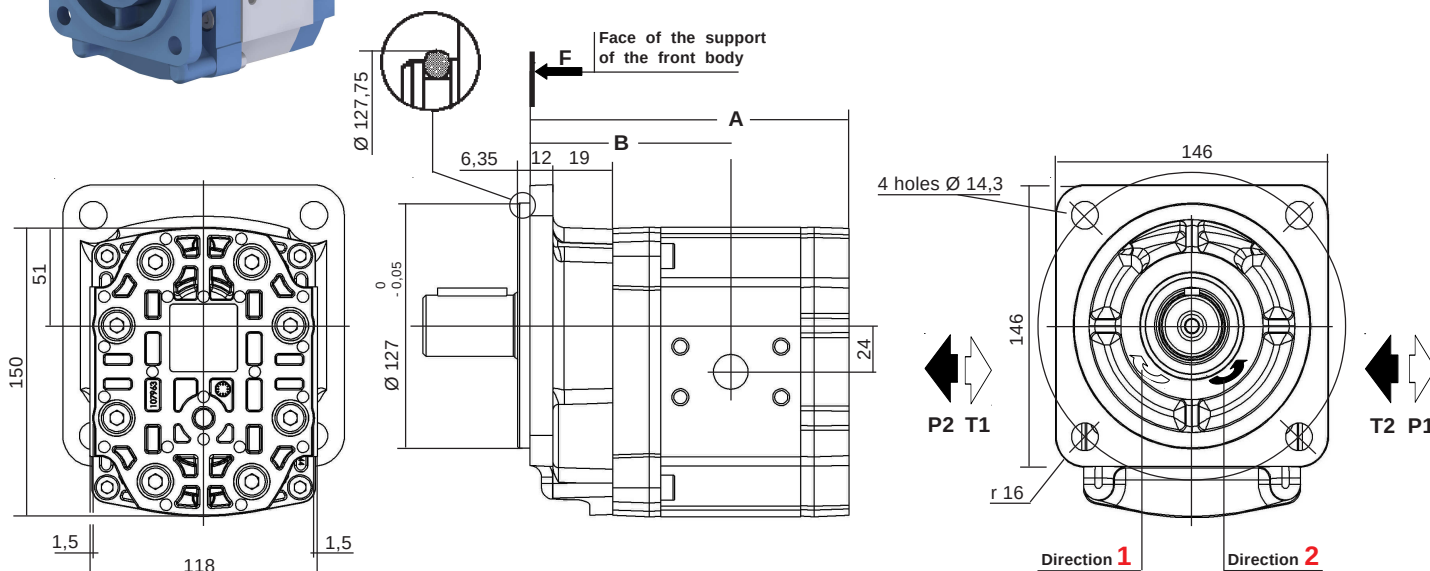
F.T 30 1377 4/4



Consult us for availability



For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
020 - 025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5083019 + K5074043 + K107089**

Viton: **K5083020 + K5074044 + K107090**

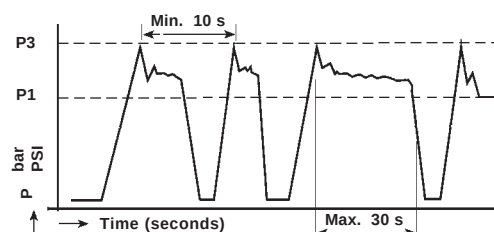
(For the manufacturings from february 1998)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			
3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	11,3
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	11,3
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	11,3
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	11,4
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	12,6
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	12,7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	12,7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	12,8
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	13,5
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	13,7

P1 Maximum pressure in continuous duty.

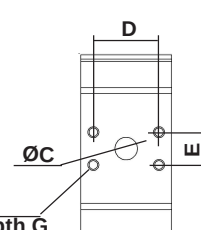
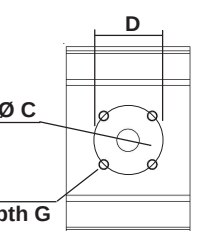
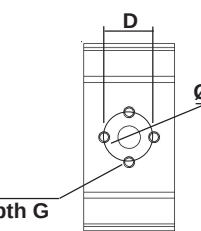
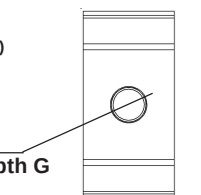
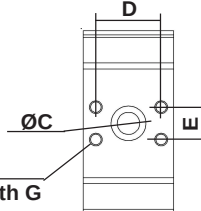
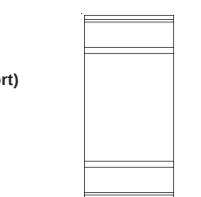
Maximum Pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

		Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)					
													INLET (T)			OUTLET (P)		
			ØC	D	E	ØF	G	ØC	D	E	ØF	G						
			3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 BSP V: 3.505060	1/2" N: 3.500070 BSP V: 3.505058	
H (HPI) 	3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066			1" BSP N: 3.500072 V: 3.505060			
	3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 to 3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3071 BSP V: 3.505060	1" N: 3.500072 BSP V: 3.505060			
												3090 1" 1/2 N: 3.500493 BSP V: 3.505067	3090 1" 1/4 N: 3.500103 BSP V: 3.505061	3090 1" 1/4 N: 3.500103 BSP V: 3.505061				
C (Square) 	3020 to 3040																	
	3050 3060	28	55		M8	17	18	55		M8	17							
	3071 to 3100																	
B (Italian) 	3020 to 3040	27	51		M10	17	18	40		M8	17							
	3050 3060																	
	3071 to 3100																	
U (Threaded SAE J 475) 	3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19							
	3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19							
	3071 to 3100																	
Y (ISO 6162) 	3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17							
	3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17							
	3071 to 3100																	
X (without port) 	3020 to 3040	Only with rear body Type A																
	3050 3060																	
	3071 to 3100																	

Dimensions readings and approximative characteristics subject to modifications.

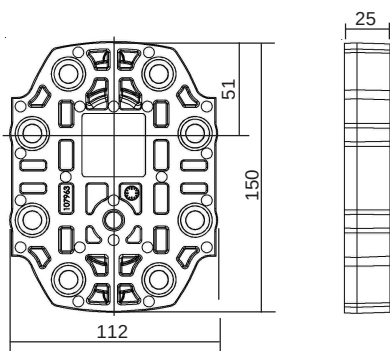
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Consult us for availability

REAR BODIES

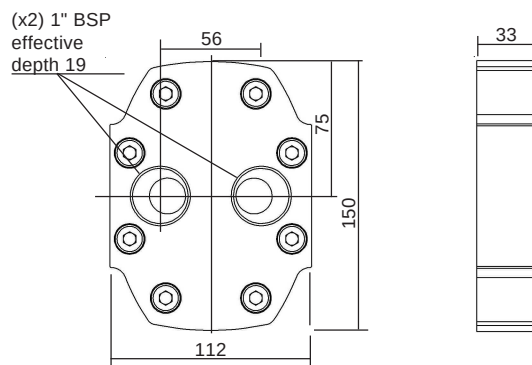
L

Standard



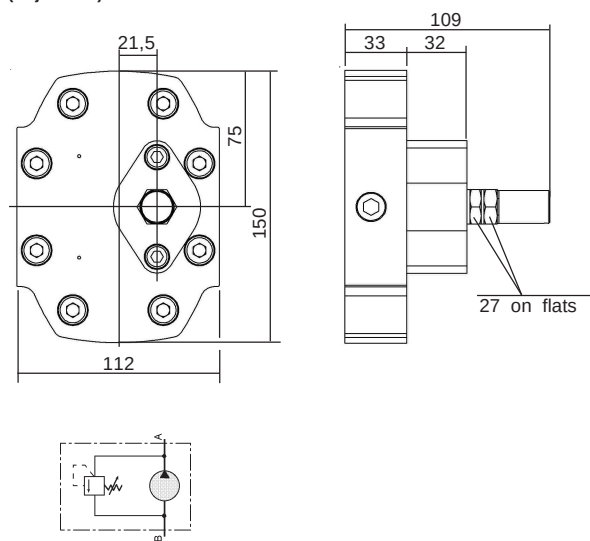
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return



Dimensions readings and approximative characteristics subject to modifications.

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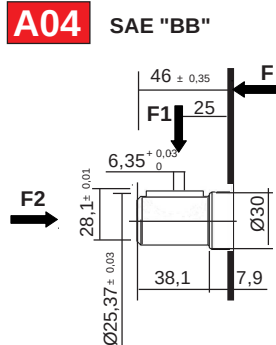
DRIVING SHAFTS

Tapered
10

Straight keyed
20

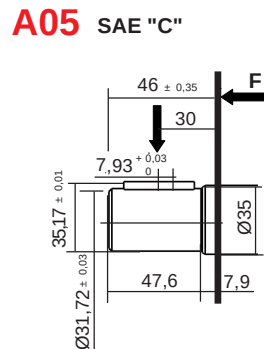
Splined
30

Tang
40



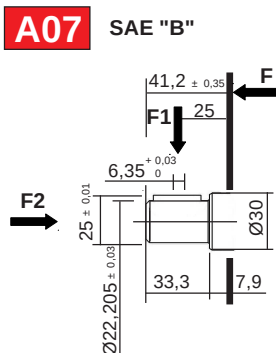
F1 = 0 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m



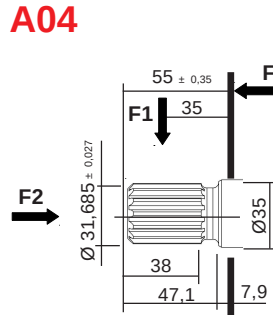
F1 = 0 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m



F1 = 0 daN
F2 = 50 daN

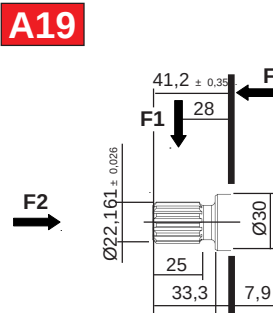
Maxi transmissible torque
290 N.m



F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

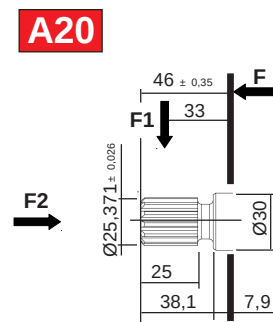
Maxi transmissible torque
500 N.m



F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

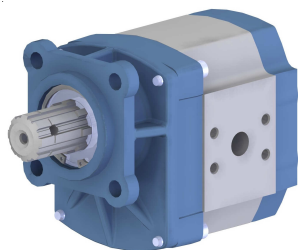


F1 = 0 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

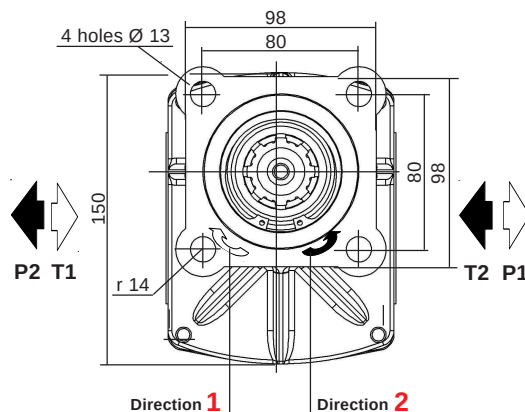
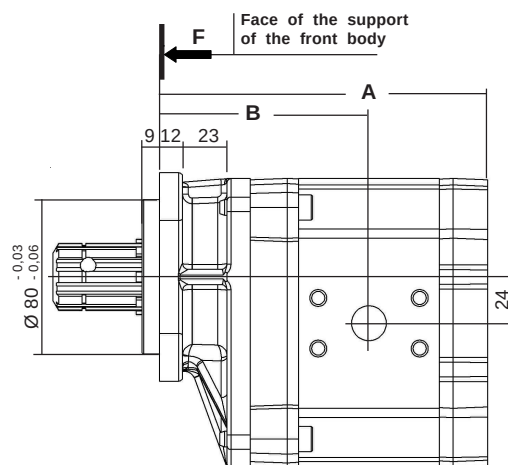
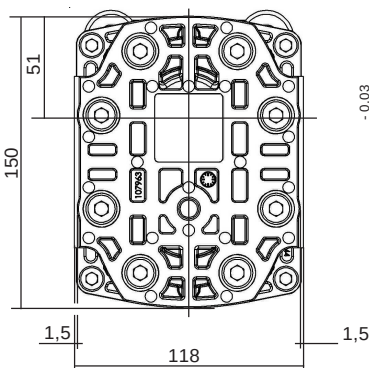
Maxi transmissible torque
490 N.m

Consult us for availability



P **II** **ZF** **C** **3** **VI** **H** **L** **3** **0** **D04** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
020 - 025 - 031 - 040	169,7	
050 - 060	196,2	121,5
071 - 080 - 090 - 100	216,2	131,2

Multiples geared pumps, see data sheet **F.T 30 1356**

Seal kits:

Nitrile: **K5074077 + K5074043**

Viton: **K5074078 + K5074044**

(For the manufacturings from october 1991)

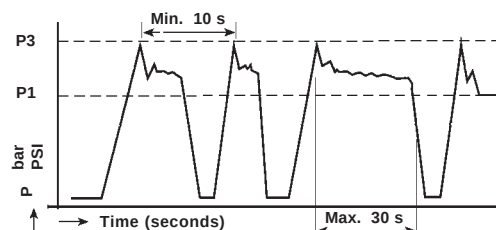
MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM	at Maxi speed			
							l / min	l / min			

3020	21,1	275	3987	235	235	3000	31,65	63,3	4	3,74	5,6
3025	25,8	275	3987	235	235	3000	38,7	77,4	4,90	4,63	5,6
3031	32,1	275	3987	235	235	3000	48,15	96,3	6,10	5,73	5,6
3040	41,5	275	3987	235	235	3000	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	3625	215	215	3000	77,47	154,9	9,77	9,21	6,9
3060	62,6	225	3262	190	190	2500	93,9	156,5	11,85	11,05	7
3071	73,55	225	3262	190	190	2500	110,32	183,8	13,92	13,08	7
3080	82,95	200	2900	170	170	2200	124,42	182,4	15,59	14,60	7,1
3090	92,95	150	2175	130	130	2000	139,42	185,9	17,47	16,47	7,8
3100	103,9	150	2175	130	130	2000	155,85	207,8	19,40	18,17	8

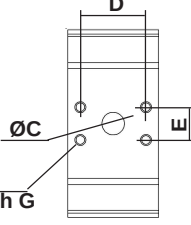
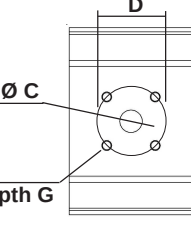
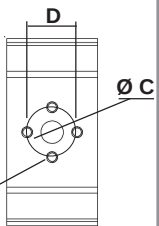
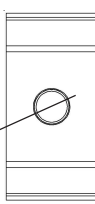
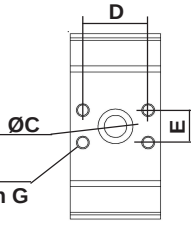
P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES

	Capacity 3020 to 3040 3050 3060 3071 to 3100	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)	
		28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 to 3040	1" N: 3.500072 BSP V: 3.505060	3020 1/2" N: 3.500070 BSP V: 3.505058	3025 3/4" N: 3.500071 BSP V: 3.505060
H (HPI)		42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	1" 1/4 BSP N: 3.500492 V: 3.505066		1" BSP N: 3.500072 V: 3.505060	
		42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 to 3100	1" 1/2 N: 3.500493 BSP V: 3.505067	3071 1" N: 3.500072 BSP V: 3.505060	3080 3/4" N: 3.500103 BSP V: 3.505061
C (Square)															
		28	55		M8	17	18	55		M8	17				
B (Italian)															
		27	51		M10	17	18	40		M8	17				
U (Threaded SAE J 475)					1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
					1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
Y (ISO 6162)		28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
		42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
X (without port)															
															

Only with rear body Type A

Consult us for availability

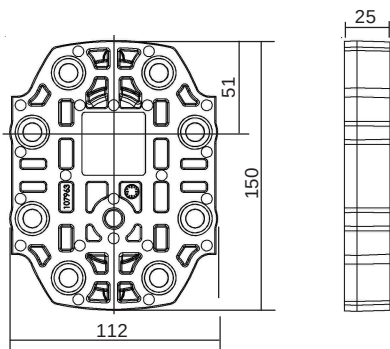
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REAR BODIES

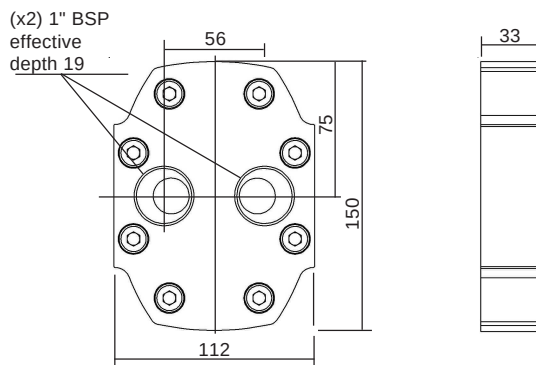
L

Standard



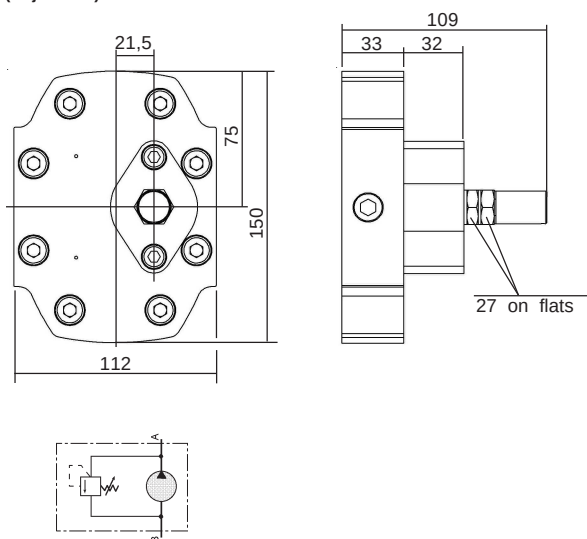
A

with ports



V

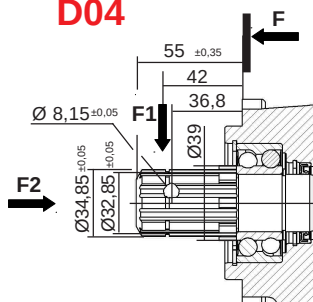
Low pressure relief valve
(Adjustable) Internal return



DRIVING SHAFT (ZFC)

SPLINED **L30**

D04



Parallel spline shaft
8 x 32 x 36 - to Norm NF E 22 141
Pushing minor diameter

Maxi transmissible torque

480 N.m

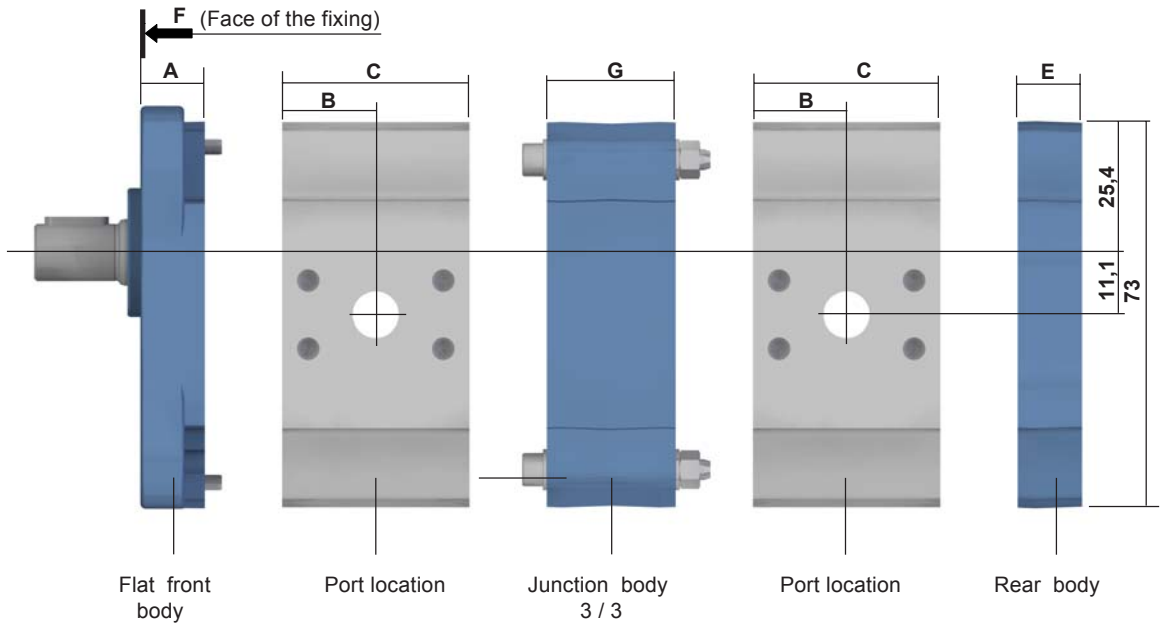
F1 = 140 daN

F2 = 50 daN

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1372 3/3

For CODIFICATION, see data sheet **F.T R 0030**



Dimensions readings and approximative characteristics subject to modifications.

ATTENTION

For common suctions.

The flow of the pump, or pumps preceding or following the section including the suction must not exceed **22 l / min.**

Flat front bodies	A
AAN / AAK - BAN CBN / CBK - DBN / DBK	20

Thick front bodies	A
AAP / AEP - AAR / AER AAZ - ABP / ABR ADP / ADR - ADX / ADZ ZFC	68 72

Capacity	B	C	D	E
3020 to 3040	36,3	72,7		
3050 3060	49,5	99,2	24	25,5
3071 to 3100	59,2	119,2		

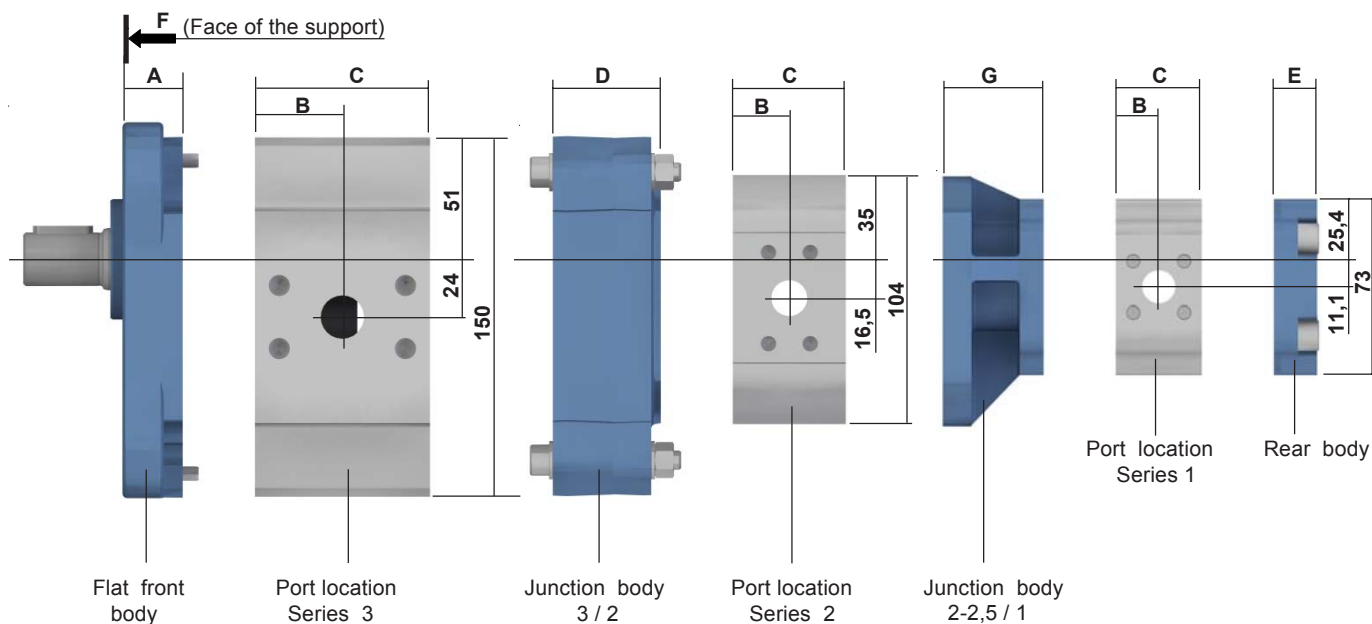
F.T 30 1356 1/2



Consult us for availability



For CODIFICATION, see data sheet **F.T R 0030**



ATTENTION

For common suctions.

The flow of the pump, or pumps preceding or following the section including the suction must not exceed **22 l/min.**

NOTA :

Versions 2 / 1 - 2,5 / 1 only Codes **A - D** and **E**.
Versions 2 / 2 - 2,5 / 2,5 only Codes **A - D** and **X**.

Dimensions readings and approximative characteristics subject to modifications.

	Capacity	B	C	D	E	G
Series 3	3020 to 3040	36,3	72,7			
	3050 - 3060	49,5	99,2	50		
	3071 to 3100	59,2	119,2			
Series 2 - 2,5	2004 to 2012	23,5	47			
	2014 to 2022	31	61,6			42
	2512					
	2026 - 2030	38,8	77,7			
Series 1	1001 to 1003	17,9	35,8		18	
	1004 to 1006	22,7	45,6			

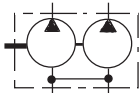
Flat front bodies	A
AAN / AAK - BAN CBN / CBK - DBN / DBK	20
Thick front bodies	A
AAP / AEP - AAR / AER AAZ - ABP / ABR ADP / ADR - ADX / ADZ ZFC	68 72

F.T 30 1356 2/3

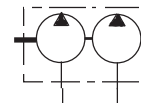
Consult us for availability

JUNCTION BODY (Schematic examples for 2 elements pumps)

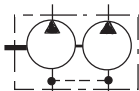
Code A Communication between suction ports
(Capacity of the pump without suction $\geq$ half of the capacity of the front section)



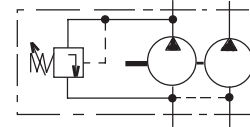
Code E Tightness between ports



Code D Independant inlet side (communication of leaks)
(Oil and tank to be necessarily)



Code X Adjustable relief valve internal return in preceding pump



Possible combinations of junctions up to 5 elements

CALCULATION of the TORQUE

Q Capacity in cc / rev

Calculation of the torque for one pump body : $\frac{1,59 \times Q \times P}{1000 \times \eta_m} = C \text{ (N.m)}$

P Pressure in bar

η_m Mechanical efficiency (see catalogue **C10**)

Example : P 1 CBN 3060 H A 2008 H A 1004 C L 30 A01 Pressure : 3060 200 bar 2008 150 bar 1004 150 bar Speed : 2000 RPM

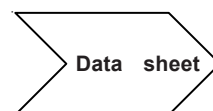
$$\frac{1,59 \times 60 \times 200}{1000 \times 0,88} = 21,68 \text{ N.m}$$

$$\frac{1,59 \times 8 \times 150}{1000 \times 0,87} = 2,24 \text{ N.m}$$

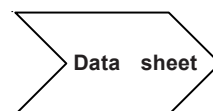
$$\frac{1,59 \times 4 \times 150}{1000 \times 0,87} = 1,09 \text{ N.m}$$

$$= 25,01 \text{ N.m} \rightarrow \text{Total torque}$$

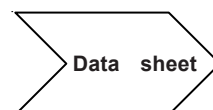
CODIFICATION PUMPS "MODULE 3"


F.T R 0146

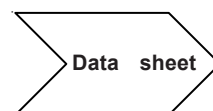
PUMP **Series 1**


F.T 10 1352

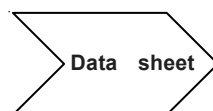
PUMP **Series 2 / 2,5**


F.T 20 1353

PUMP **Series 2,6**


F.T 26 1354

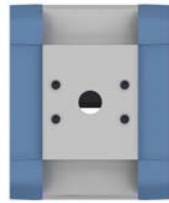
PUMP **Series 3**


F.T 30 1355
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PUBLISHING 17 / 03 / 2011

"MODULE 3"



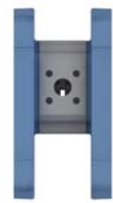
Series 3



Series 2,6

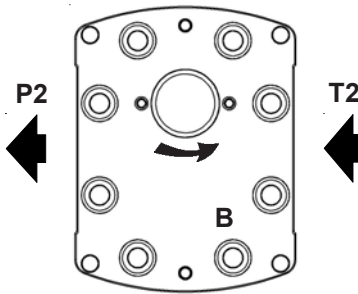


Series 2 - 2,5

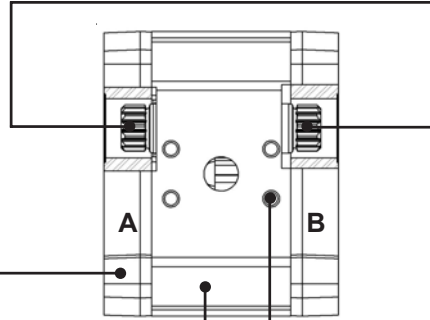
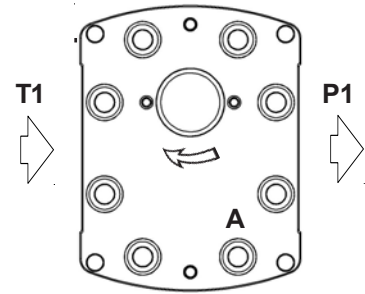


Series 1

Direction of Rotation 2
Drive on Face B



Direction of Rotation 1
Drive onr Face A



SHAFT SEAL
N Nitrile
V Viton

SHAFT CODE

- C24** Series 1
- C05** Series 2 and 2,5
- C25** Series 2,6
- C14** Series 3

33 SPLINNED SHAFT

J INTERFACE

PORT LOCATION

- H** Implantation **HPI**
- C** Square location
- F** Threaded ports
- Y** ISO location (Norm 6162)
- S** SAE location (Norm J518c)
- B** Italian location
- U** SAE threaded location (Norm J475)

TYPE of the SERIES

- Series **1**
- Series **2**
- Series **2,5**
- Series **2,6**
- Series **3**

CAPACITY in the SERIES (cc / rev)

- (00)1 - (00)2 - (00)3 - (00)4 - (00)5 - (00)6
- (00)4 - (00)6 - (00)8 - (0)10 - (0)12 - (0)14 - (0)15 - (0)17 - (0)18 - (0)22 - (0)26 - (0)30
- 12 - 15 - 17 - 18 - 22
- 20 - 25 - 27 - 30 - 35 - 40 - 50
- (0)20 - (0)25 - (0)31 - (0)40 - (0)50 - (0)60 - (0)71 - (0)80 - (0)90 - 100

Prefix(s) 0 - Only for conformity of the Codification

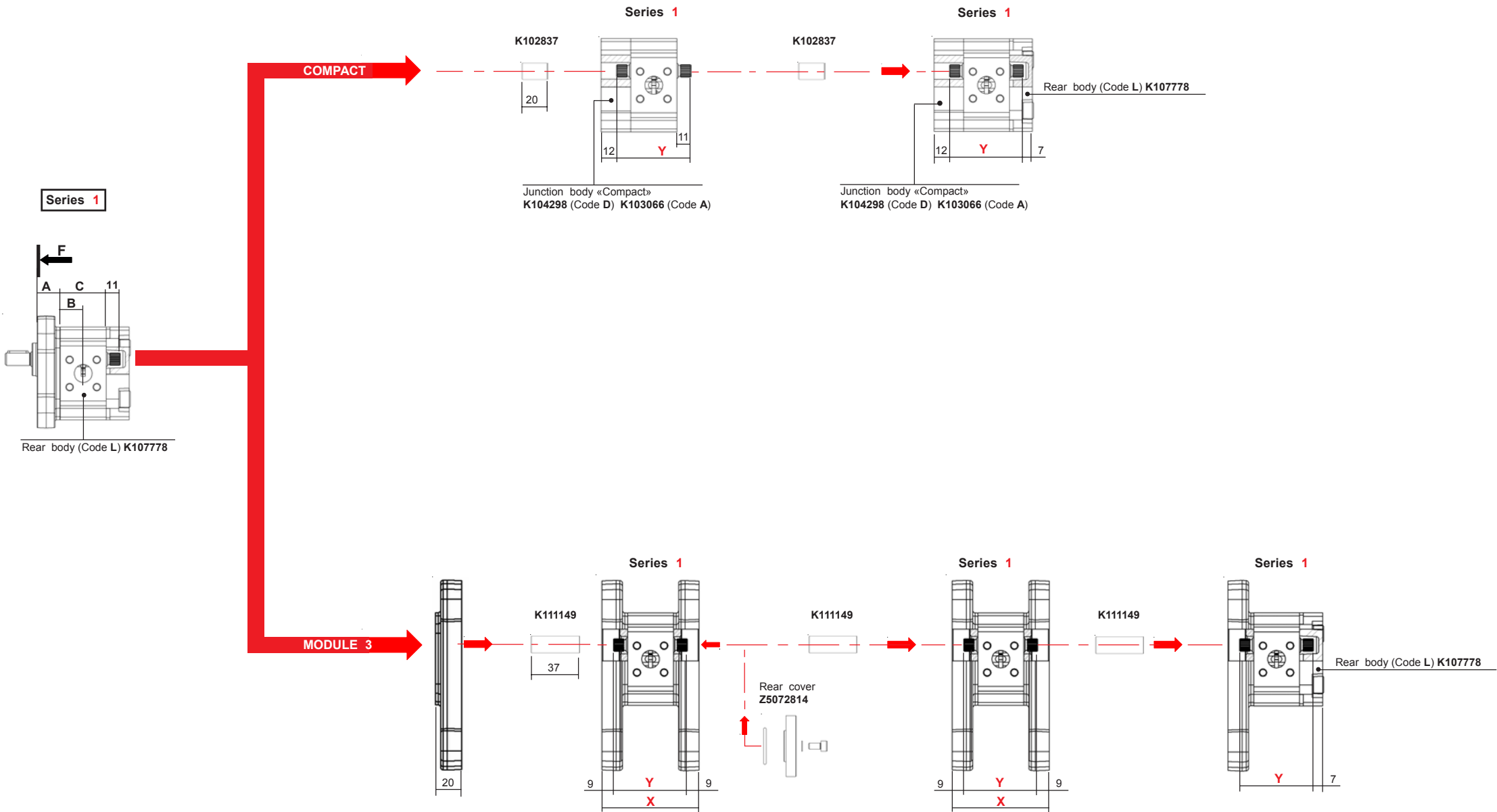
Consult us for availability

Dimension readings and appoxilative characteristics subject to modifications

F.T.R 0146

Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1352 1/3



Flat front body	A
AAN / AAK - BAN	18
CBN / CBK	
DCN / DCK	

Capacity	B	C	X	Y
1001 to 1003	17,9	35,8	75,8	57,8
1004 to 1006	22,7	45,6	85,6	67,6

Driving shaft
33 C24
Involute spline to shaft 10 x 18 x 0,5 to Norm NF E 22 141 - BNA 455
Maxi transmissible torque: 25 N.m

Model	Capacity	Maxi pressure in bar
1001	1,02	300
1002	2,05	300
1003	3,07	300
1004	4,09	250
1005	5,12	200
1006	6,14	200

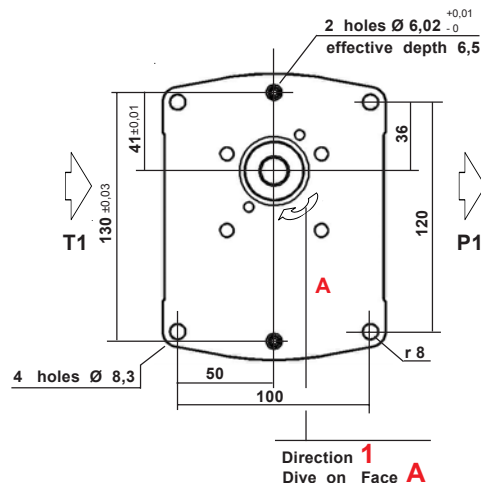
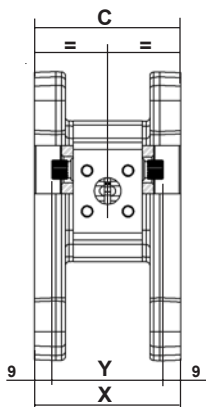
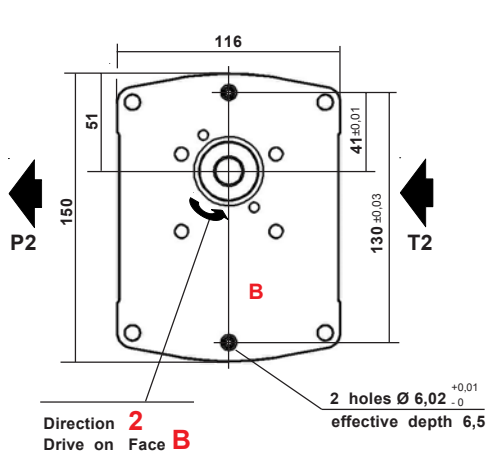
FIXING SCREWS	References
For CONNECTIONS between Module 3 - Series 1 - Module 3 - Series 1	E.5074536

Consult us for availability



P **II** **CJ** **N** **1** **VI** **C** **L** **3** **3** **C24** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0146**



CHOICE of the Capacity	Dimensions		
	C	Y	X
1001 - 1002 - 1003	35,8	57,8	75,8
1004 - 1005 - 1006	45,6	67,6	85,6

Seals kits:

Nitrile: **K5074104**

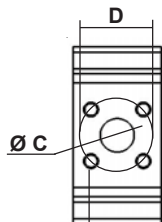
Viton: **K5074105**

(For manufacture to since
October 1994)

CHOICE of IMPLANTATION of PORTS and of RECOMMENDED FLANGES

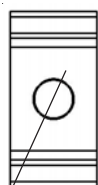
Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMANDÉD FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
1001 to 1003	14	30		M6	13	14	30		M6	13	1 / 4 " BSP N: 1.500292 V: 1.504770	1 / 4 " BSP N: 1.500292 V: 1.504770
1004 to 1006											3 / 8 " BSP N: 1.500293 V: 1.505027	1 / 4 " BSP N: 1.500292 V: 1.504770
1001 to 1003				3/8" BSP	11				3/8" BSP	12		
1004 to 1006				1/2" BSP	14				3/8" BSP	12		

C
(Square)



Ø F
effective depth G

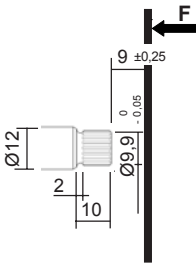
F
(Threaded)



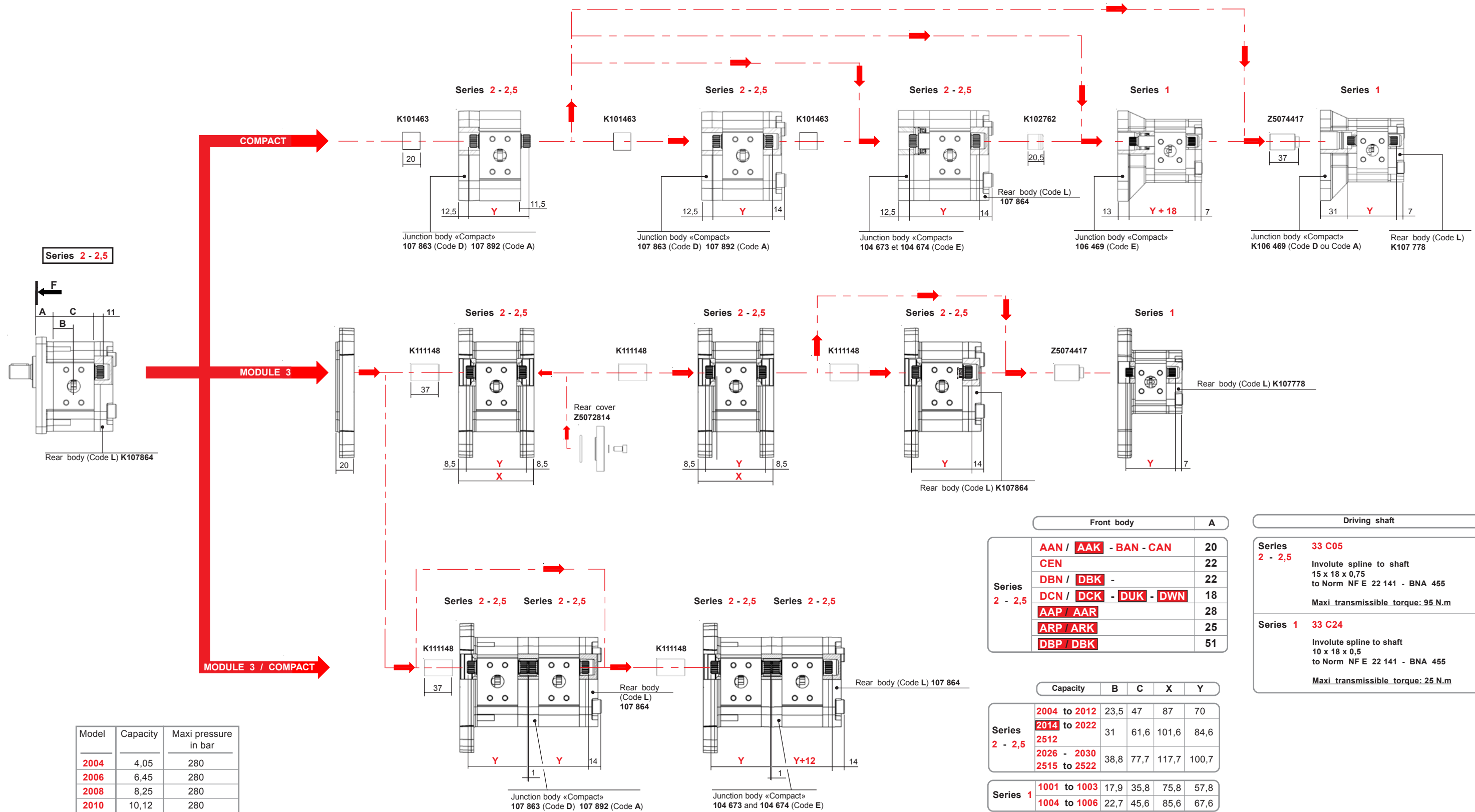
Ø F
effective depth G

F.T 10 1352 2/3

DRIVING SHAFT

Straight keyed	Tightening torque	Splinned	Tang
10	20	30	40
		C24  Involute spline shaft 10 x 18 x 0,5 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque 25 N.m	

Dimensions readings and approximative characteristics subject to modifications.



Model	Capacity	Maxi pressure in bar
2004	4,05	280
2006	6,45	280
2008	8,25	280
2010	10,12	280
2012	12	280
2014	13,8	250
2015	15,52	250
2017	17,3	200
2018	19,12	200
2022	22,87	175
2026	27,6	175
2030	31,2	175
2512	12	300
2515	15,52	280
2517	17,3	250
2518	19,12	250
2522	22,87	225

Model	Capacity	Maxi pressure in bar
1001	1,02	300
1002	2,05	300
1003	3,07	300
1004	4,09	250
1005	5,12	200
1006	6,14	200

FIXING SCREWS

For CONNECTIONS between	References
Module 3 - Series 2 & 2,5 - Module 3 - Series 2 & 2,5	E.5074536
Module 3 - Series 2 & 2,5 - Module 3 - Series 1	E.5074536
Module 3 - Series 1 - Module 3 - Series 1	E.5074536

Front body	A
Series 2 - 2,5	
AAAN / AAK - BAN - CAN	20
CEN	22
DBN / DBK -	22
DCN / DCK - DUK - DWN	18
AAP / AAR	28
ARP / ARK	25
DBP / DBK	51

Capacity	B	C	X	Y
Series 2 - 2,5				
2004 to 2012	23,5	47	87	70
2014 to 2022	31	61,6	101,6	84,6
2512				
2026 - 2030	38,8	77,7	117,7	100,7
2515 to 2522				
Series 1				
1001 to 1003	17,9	35,8	75,8	57,8
1004 to 1006	22,7	45,6	85,6	67,6

Driving shaft	
Series 2 - 2,5	
33 C05	
Involute spline to shaft	
15 x 18 x 0,75	
to Norm NFE 22 141 - BNA 455	
Maxi transmissible torque: 95 N.m	
Series 1	
33 C24	
Involute spline to shaft	
10 x 18 x 0,5	
to Norm NFE 22 141 - BNA 455	
Maxi transmissible torque: 25 N.m	

POSSIBLES COMPOSITION of the «COMPACT» PUMPS :

Series 1 see F.T 10 1298 Page 072 / 00

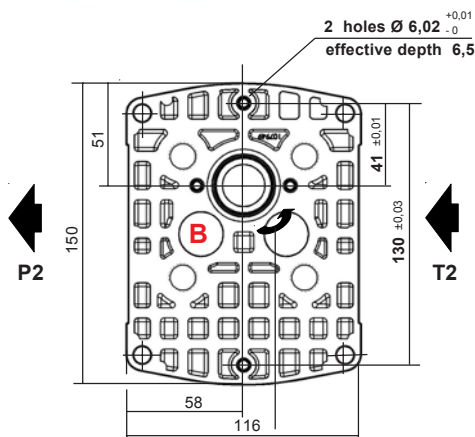
POSSIBLES COMPOSITION of the «COMPACT» PUMPS «MODULE 3» : Series 1 see F.T 10 1352 Page 393 / 00

Consult us for availability

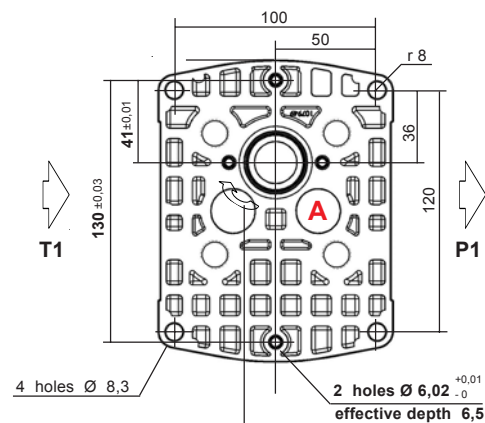
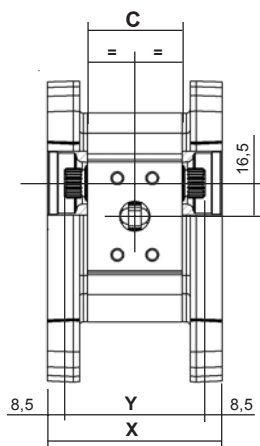


P **II** **CJ** **N** **2** **VI** **HL** **3** **3** **C05** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0146**



Direction **2**
Drive on Face **B**



Direction **1**
Drive on Face **A**

CHOICE of the Capacity	Dimensions		
	C	Y	X
2004 - 2006 - 2008 2010 - 2012	47	70	87
2014 - 2015 - 2017 2018 - 2022 2512	61,6	84,6	101,6
2026 - 2030 - 2515 - 2517 - 2518 2522	77,7	100,7	117,7

Seals kits:

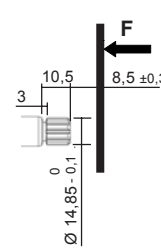
Nitrile: **K5074065**

Viton: **K5074066**

(For manufacture to
since December 1993)

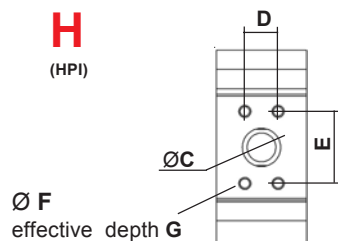
 Consult us for availability

CHOICE of the DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
10	20	30	40
		C05	
		 Involute spline shaft 15 x 18 x 0,75 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque 9,5 N.m	

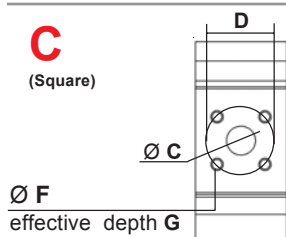
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1353 2/3

CHOICE of the IMPLANTATION of PORTS and RECOMMENDED FLANGES
H
(HPI)

Ø F
effective depth G

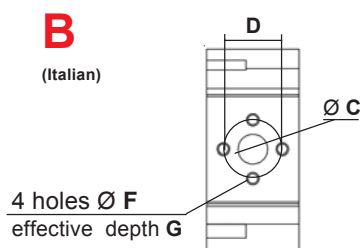
C

(Square)


Ø F
effective depth G

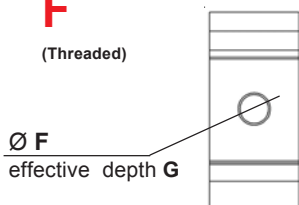
B

(Italian)

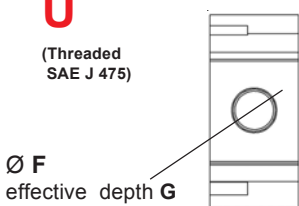

4 holes Ø F
effective depth G

F

(Threaded)

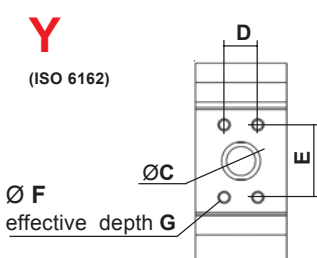

Ø F
effective depth G

U

(Threaded
SAE J 475)

Ø F
effective depth G

Y

(ISO 6162)

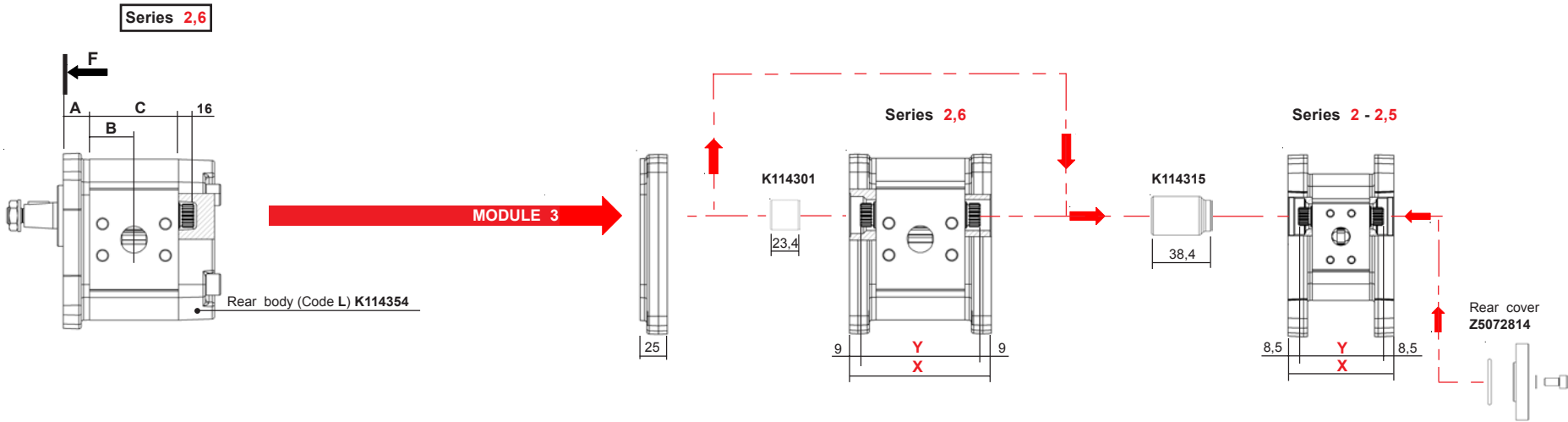

Ø F
effective depth G

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2004 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	1 / 2 " BSP N: 2.500055 V: 2.504126	3 / 8 " BSP N: 2.500054 V: 2.505994
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	1 " BSP N: 2.500496 V: 2.504117	1 / 2 " BSP N: 2.500055 V: 2.504126
2512 to 2522												
2004 to 2012											1 / 2 " BSP N: 367141.502	3 / 8 " BSP N: 367141.702
2014 to 2030	20	40		M6	12	15	35		M6	12	3 / 4 " BSP N: 367141.503	1 / 2 " BSP N: 367141.703
2512 to 2522												
2004 to 2012	15	30		M6	13	15	30		M6	13	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2014 to 2030	20	40		M6	13	15	30		M6	13	1 / 2 " BSP N: X.367508.101 3 / 4 " BSP N: X.367508.102	3 / 8 " BSP N: X.367508.201 1 / 2 " BSP N: X.367508.202
2512 to 2522												
2004 to 2012				3/4" BSP	16				3/8" BSP	12		
2014 to 2030				1" BSP	18				1/2" BSP	14		
2512 to 2522												
2004 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17		
2512 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20		
2004 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14		
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14		
2512 to 2522												
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14		
2515 to 2522												

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PUBLISHING 17 / 03 / 2011



Front body		A
Series 2,6	AAN / AAK BAN - CBN	22

Capacity		B	C	X	Y
Series 2,6	2620	37	74,1	118,2	100,2
	2625	39,3	78,6	122,7	104,7
	2627	41	82	126,1	108,1
	2630	42,5	85,1	129,2	111,2
	2635	44,5	89,1	133,2	115,2
	2640	47,3	94,6	138,7	120,7

Series 2 - 2,5	2004 to 2012	23,5	47	87	70
	2014 to 2022	31	61,6	101,6	84,6
	2512				
	2026 - 2030 2515 to 2522	38,8	77,7	117,7	100,7

Series 1	1001 to 1003	17,9	35,8	75,8	57,8
	1004 to 1006	22,7	45,6	85,6	67,6

Driving shaft	
Series 2,6	33 C25 Involute spline shaft 20 x 18 x 1 to Norm NF E 22 141 - BNA 455 Spigot on free flanks Maxi transmissible torque: 250 N.m
Series 2 - 2,5	33 C05 Involute spline shaft 15 x 18 x 0,75 to Norm NF E 22 141 - BNA 455 Spigot on free flanks Maxi transmissible torque: 95 N.m
Series 1	33 C24 Involute spline shaft 10 x 18 x 0,5 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque: 25 N.m

POSSIBLES COMPOSITION of the «COMPACT» PUMPS :
Series 1 see F.T 10 1298 Page 072 / 00
Series 2 / 2,5 see F.T 20 1306 Page 175 / 00

POSSIBLES COMPOSITION of the «COMPACT» PUMPS «MODULE 3» :
Series 1 see F.T 10 1352 Page 393 / 00
Series 2 / 2,5 see F.T 20 1353 Page 397 / 00

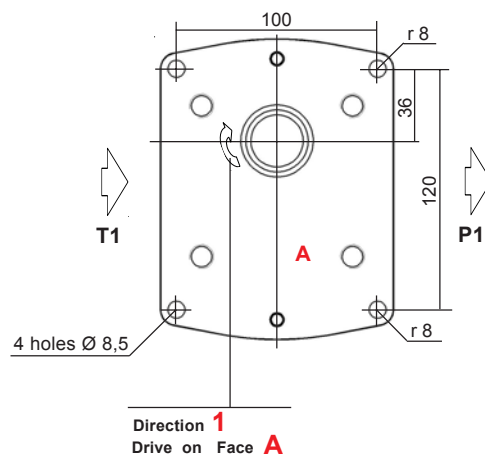
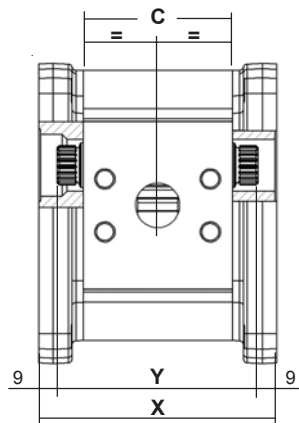
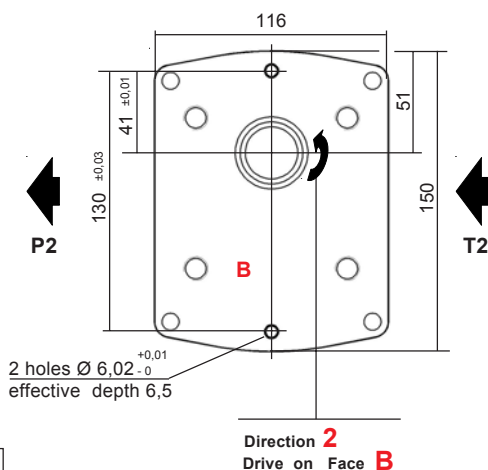
Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.



P 4 C J N 26 VI Y L 3 3 C25 XII
Sign Sign

For CODIFICATION, see data sheet **F.T R 0146**



CHOICE of the Capacity	Dimensions		
	C	Y	X
2620	74,1	100,2	118,2
2625	78,6	104,7	122,7
2627	82	108,1	126,1
2630	85,1	111,2	129,2
2635	89,1	115,2	133,2
2640	94,6	120,7	138,7
2650			

Seals kits:

Nitrile: **K5093203**

Viton: **K5093204**

(For manufacture to since 2002)

Consult us for availability

CHOICE of the IMPLANTATION of PORTS and RECOMMENDED FLANGES

F
(Threaded)

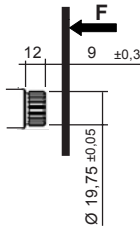
Ø F
effective depth G

Y
(ISO 6162)

Ø F
effective depth G

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
2620 bis 2627				1" BSP	19							
2630 - 2635				1" 1/4 BSP	21				3/4" BSP	16		
2640				1" 1/4 BSP	21							
2620 bis 2627	25	52,4	26,2	M8	14						1" BSP N: 368557.002	
2630 - 2635	30	58,7	30,2	M10	14	22	52,4	26,2	M10	14		1" BSP N: 368557.002
2640	32	58,7	30,2	M10	14						1" 1/4 BSP N: 368557.003	

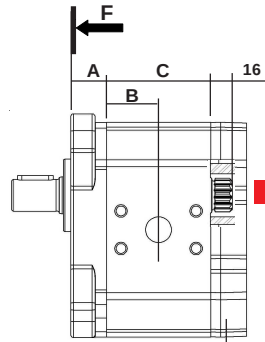
CHOICE of the DRIVING SHAFT

Tapered	Straight keyed	Splinned	Tang
10	20	30	40
		C25  Involute spline shaft 20 x 18 x 1 to Norm NF E 22 141 Maxi transmissible torque 25 N.m	

Dimensions readings and approximative characteristics subject to modifications.

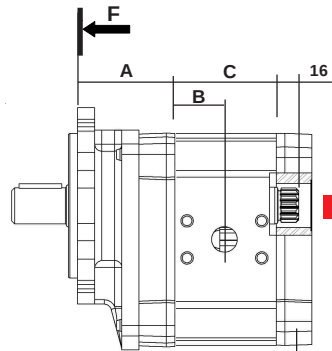
Series 3

Flat front bodies



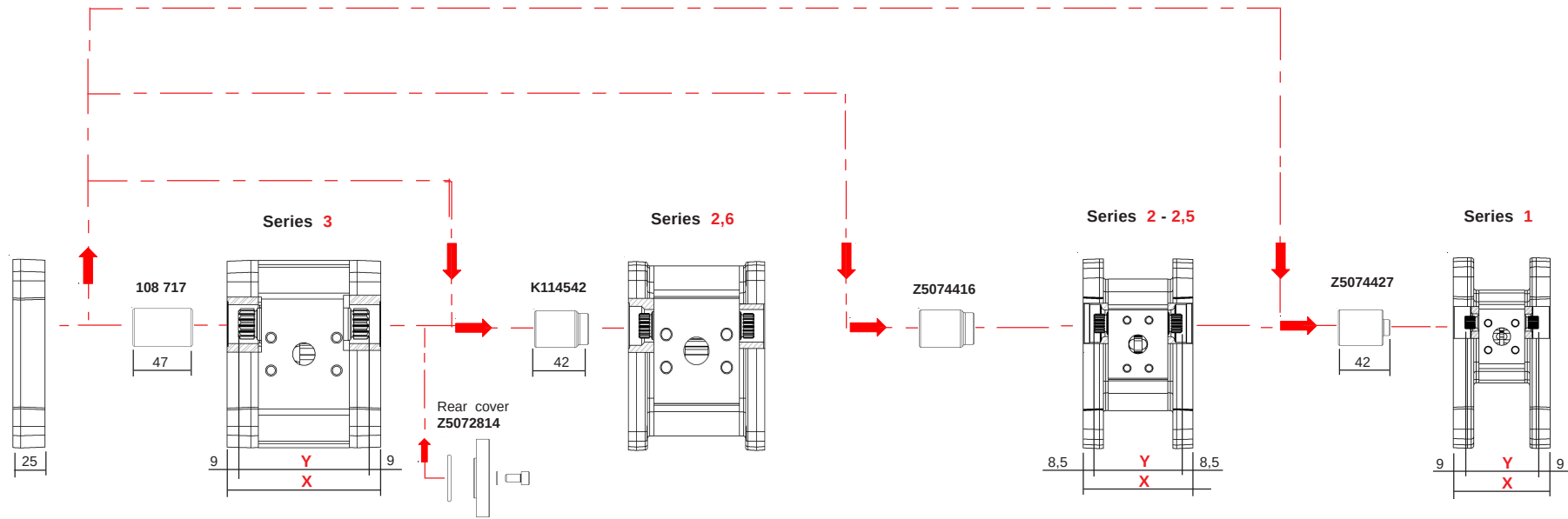
Rear body (Code L) 107 963

Thick front bodies



Rear body (Code L) 107 963

MODULE 3



Model	Capacity	Maxi pressure in bar
3020	21,1	275
3025	25,8	275
3031	32,1	275
3040	41,5	275
3050	51,65	250
3060	62,6	225
3071	73,55	225
3080	82,95	200
3090	92,95	150
3100	103,9	150

Model	Capacity	Maxi pressure in bar
1001	1,02	300
1002	2,05	300
1003	3,07	300
1004	4,09	250
1005	5,12	200
1006	6,14	200

FIXING SCREWS

For CONNECTIONS between	References
CPJ 3 - Module 3 - Series 3	E.5074176
CPJ 3 - Module 3 - Series 2 & 2,5	E.5074497
CPJ 3 - Module 3 - Series 1	E.5074497
Module 3 - Series 3 - Module 3 - Series 3	E.5073867
Module 3 - Series 3 - Module 3 - Series 2 & 2,5	E.5073867
Module 3 - Series 3 - Module 3 - Series 1	E.5073867
Module 3 - Series 2 & 2,5 - Module 3 - Series 2 & 2,5	E.5074536
Module 3 - Series 2 & 2,5 - Module 3 - Series 1	E.5074536
Module 3 - Series 1 - Module 3 - Series 1	E.5074536

POSSIBLES COMPOSITION of the «COMPACT» PUMPS :

Series 1 see F.T 10 1298 Page 072 / 00
Series 2 / 2,5 see F.T 20 1306 Page 175 / 00
Series 2,6 see F.T 26 1318 Page 304 / 00

POSSIBLES COMPOSITION of the «COMPACT» PUMPS «MODULE 3» :

Series 1 see F.T 10 1352 Page 393 / 00
Series 2 / 2,5 see F.T 20 1353 Page 397 / 00
Series 2,6 see F.T 26 1354 Page 401 / 00

Front body	A
Series 3 AAN / AAK - BAN CBN / CBK - DBN / DBK AAP / AEP - AAR / AER ABP / ABR - ADP / ADR ADX / ADZ ZFC	25 68 72

Capacity	B	C	X	Y
Series 3 3020 to 3040	36,3	72,7	122,7	104,7
3050 3060	49,5	99,2	149,2	131,2
3071 to 3100	59,2	119,2	169,2	151,2

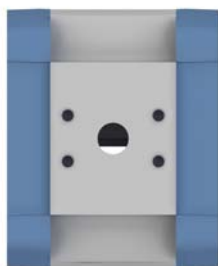
Series 2,6	2620	37	74,1	118,2	100,2
	2625	39,3	78,6	122,7	104,7
	2627	41	82	126,1	108,1
	2630	42,5	85,1	129,2	111,2
	2635	44,5	89,1	133,2	115,2
	2640	47,3	94,6	138,7	120,7
	2650				

Series 2 - 2,5	2004 to 2012	23,5	47	87	70
	2014 to 2022	31	61,6	101,6	84,6
	2512				
	2026 - 2030	38,8	77,7	117,7	100,7
	2515 to 2522				

Series 1	1001 to 1003	17,9	35,8	75,8	57,8
	1004 to 1006	22,7	45,6	85,6	67,6

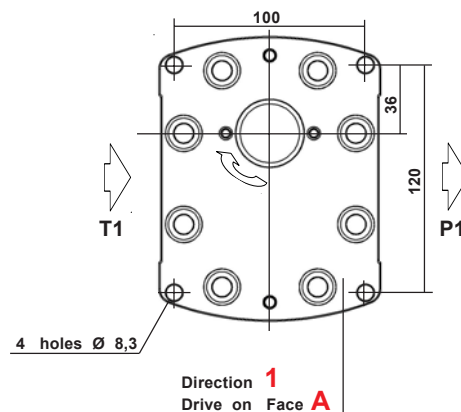
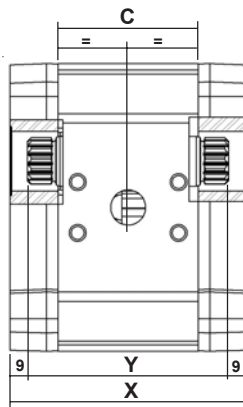
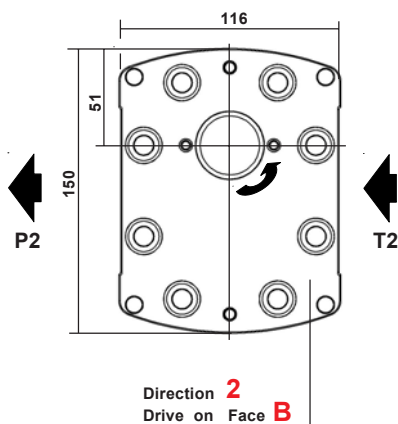
Driving shaft
Series 3 33 C14 Involute spline shaft 25 x 13 x 1,667 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque: 500 N.m
Series 2,6 33 C25 Involute spline shaft 20 x 18 x 1 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque: 250 N.m
Series 2 - 2,5 33 C05 Involute spline shaft 15 x 18 x 0,75 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque: 95 N.m
Series 1 33 C24 Involute spline shaft 10 x 18 x 0,5 to Norm NF E 22 141 - BNA 455 Spigot on free flanks Maxi transmissible torque: 25 N.m

Consult us for availability



P 4 C J N 3 VI Sign **H L 3 3 C14** XII Sign

For CODIFICATION, see data sheet **F.T R 0146**



CHOICE of the Capacity	Dimensions		
	C	Y	X
3020 - 3025 - 3031 - 3040	72,7	104,7	122,7
3050 - 3060	99,2	131,2	149,2
3071 - 3080 - 3090 - 3100	119,2	151,2	169,2

Seals kits:

Nitrile: **K5074071**

Viton: **K5074072**

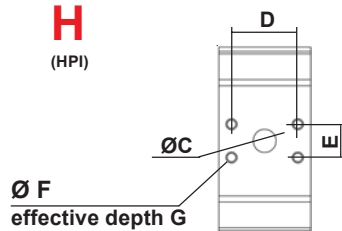
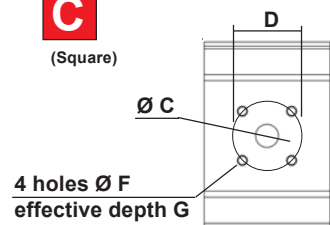
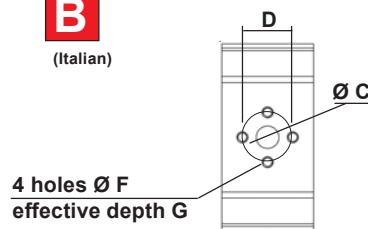
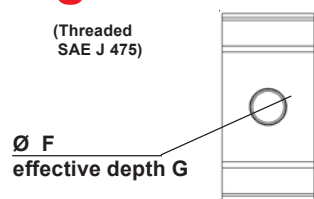
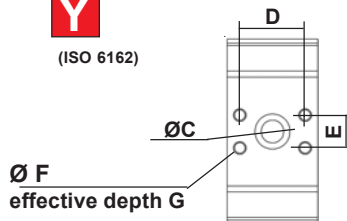
(For manufacture to
since January 1993)

CHOICE of the DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
10	20	30	40
		C14 Involute spline shaft 25 x 13 x 1,667 to Norm NF E 22 141 - BNA 455 Maxi transmissible torque 500 N.m	

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1355 2/3

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES
H
(HPI)

C
(Square)

B
(Italian)

U
(Threaded
SAE J 475)

Y
(ISO 6162)


Capacity	INLET (T)					OUTLET (P)					CATALOGUE ° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)			
											INLET (T)		OUTLET (P)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G				
3020 to 3040	28	52,4	26,2	M8	16	18	52,4	26,2	M8	16	3020 1" N: 3.500072	3020 1/2" N: 3.500070	3025 BSP V: 3.505060	3025 BSP V: 3.505058
3050 3060	42	35,6	69,8	M8	16	22	52,4	26,2	M8	16	3020 1" 1/4 N: 3.500103	3020 3/4" N: 3.500071	3025 BSP V: 3.505061	3025 BSP V: 3.505060
3071 to 3100	42	35,6	69,8	M8	16	24	52,4	26,2	M8	16	3071 1" 1/2 N: 3.500493	3071 1" N: 3.500072	3080 BSP V: 3.505067	3080 BSP V: 3.505060
											3090 1" 1/2 N: 3.500493	3090 1" 1/4 N: 3.500103	3100 BSP V: 3.505067	3100 BSP V: 3.505061
3020 to 3040														
3050 3060	28	55		M8	17	18	55		M8	17				
3071 to 3100														
3020 to 3040	27	51		M10	17	18	40		M8	17				
3050 3060														
3071 to 3100														
3020 to 3040				1' 5/16 -12 UNF	19				1' 1/16 -12 UNF	19				
3050 3060				1' 5/8 -12 UNF	19				1' 5/16 -12 UNF	19				
3071 to 3100														
3020 to 3040	28	52,4	26,2	M10	17	18	52,4	26,2	M10	17				
3050 3060	42	69,8	35,6	M14	17	34	52,4	26,2	M10	17				
3071 to 3100														

Dimensions readings and approximative characteristics subject to modifications.

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PUMPS PRESENTATION SERIES 5

- FLAT FRONT BODY

PUMP

BAN



Data sheet

F.T 50 1364

Data sheet

F.T 50 1365

- THICK FRONT BODIES

PUMP

AAP



Data sheet

F.T 50 1408

PUMP

AAR



Data sheet

F.T 50 1407

PUMP

ADP



Data sheet

F.T 50 1416

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MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
5043	43,06	300	4350	255	3700	3000	64,59	129	8,44	80,55	14,2
5052	52,91	300	4350	255	3700	3000	79,36	158,5	10,37	98,97	14,2
5062	62,75	300	4350	255	3700	3000	94,12	188	12,30	117,38	14,4
5072	72,59	300	4350	255	3700	3000	108,88	217,5	14,23	135,79	14,6
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	15,1
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	15,2
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	15,2
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	15,7
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	15,7
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	16

The pump can only run in one way rotation (Precise the direction of rotation on order).
The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).
The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit .
Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).
Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.
Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).
- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

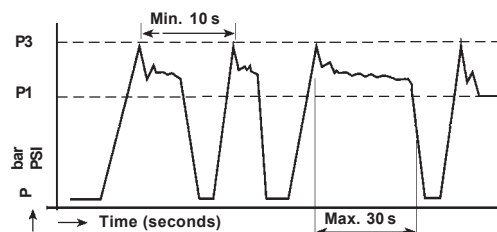
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

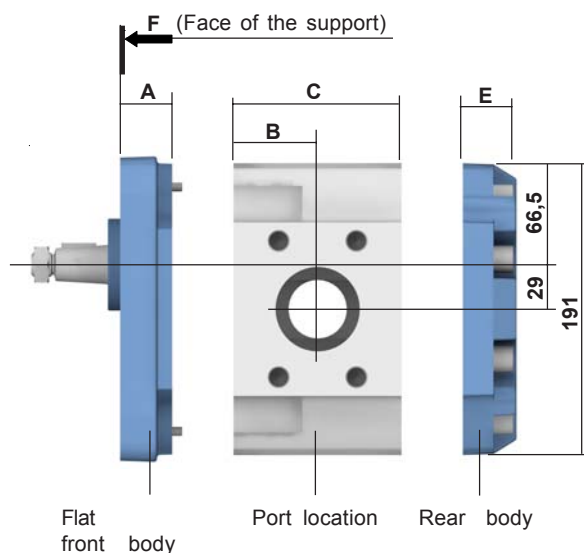
P3 Allowable peak pressure.



FLAT FRONT BODY
Front body: A
BAN 34

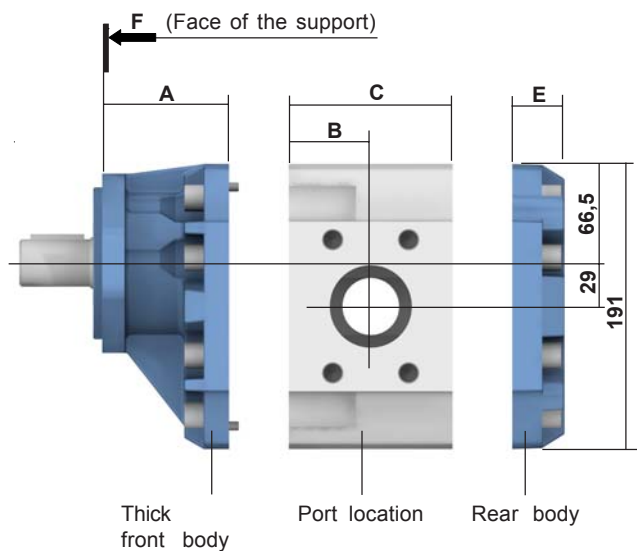
Port location (capacity):

	B	C
5043 - 5052 - 5062 - 5072	54,7	109,7
5083 - 5093 - 5103 -	61	122,2
5125 - 5140 - 5153 -	71,6	143,2

Rear body: E
L 35

THICK FRONT BODY
Front bodies: A
AAP / AAR
ADP 85

Port location (capacity):

	B	C
5043 - 5052 - 5062 - 5072	54,7	109,7
5083 - 5093 - 5103 -	61	122,2
5125 - 5140 - 5153 -	71,6	143,2

Rear body: E
L 35


Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

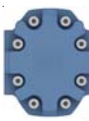
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P	II Sign	III Sign	IV Sign	5	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
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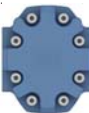
For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)		FRONT BODIES (III and IV Sign)		CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)	REAR BODY (VIII Sign)	DRIVING SHAFTS (IX, X and XI Sign)		
P 1	P 2				H	L	TAPERED	STRAIGHT KEYED	SPLINED
							10	20	30

FLAT FRONT BODY

X	X			BAN 5043 5052 5062 5072 5083 5093 5103 5125 5140 5153					

THICK FRONT BODIES

X	X			AAP / AAR 5043 5052 5062 5072 5083 5093 5103 5125 5140 5153					
X	X			ADP 5043 5052 5062 5072 5083 5093 5103 5125 5140 5153					

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

BA* = Fixing English and Italian

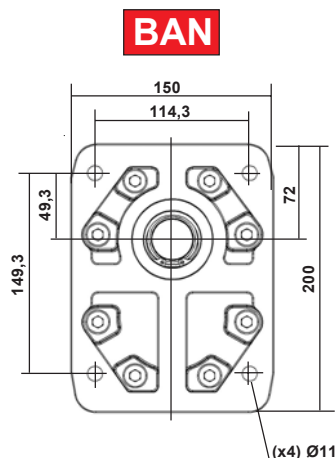
AA*/AD* = Fixing SAE and ISO

PORT LOCATION

H = HPI

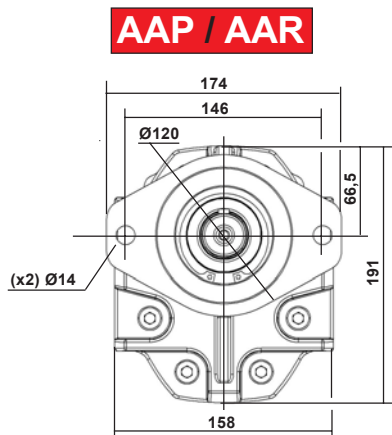
REAR BODY

L = Standard

FRONT BODIES


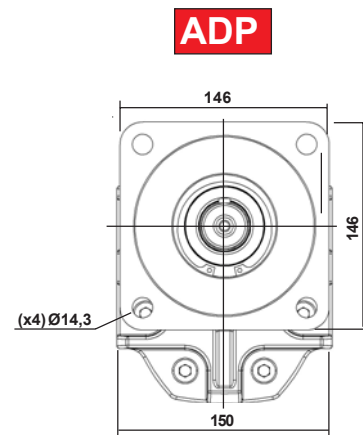
Centering: $\varnothing 60,3 \begin{smallmatrix} -0,03 \\ -0,06 \end{smallmatrix}$
 Thickness: 8

BAN: F.T 35 1365



Centering: $\varnothing 101,6 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
 Thickness: 6

AAP: F.T 35 1408
AAR: F.T 35 1416



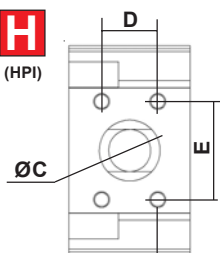
Centering: $\varnothing 127 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
 Thickness: 6

ADP: F.T 35 1416

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G			
											INLET (T)	OUTLET (P)	
5043 to 5072	55	50,8	89	M14	25	38	35,6	69,8	M14	25	5043	1" 1/4 BSP N: 3.550026 V: 3.550397	3/4" BSP N: 3.550022 V: 3.550392
											5052 5062	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5072	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
5083 to 5153	65	50,8	89	M14	25	38	35,6	69,8	M14	25	5083	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5093 5103	1" 1/2 BSP N: 3.550027 V: 3.550398	1" 1/4 BSP N: 3.550026 V: 3.550397
											5125 5140	2" BSP N: 3.550028 V: 3.5510399	1" 1/4 BSP N: 3.550026 V: 3.550397
											5153	2" 1/4 BSP N: 3.550034 V: 3.550400	1" 1/4 BSP N: 3.550026 V: 3.550397

H
(HPI)



ØF
effective depth G

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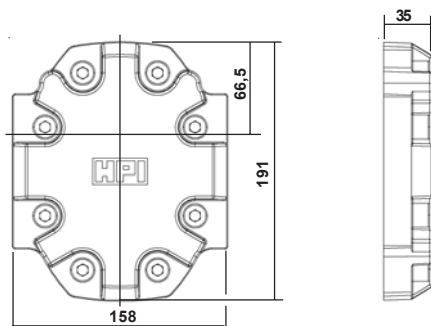
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REAR BODY

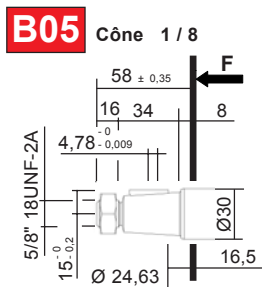
L Standard



DRIVING SHAFTS

Tapered

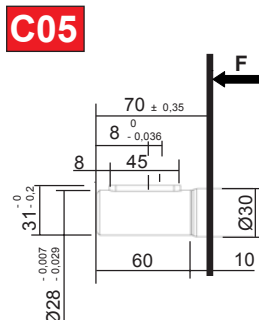
10



Maxi transmissible torque
800 N.m

Straight keyed

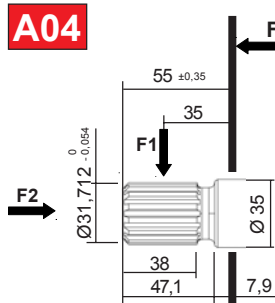
20



Maxi transmissible torque
400 N.m

Splined

30



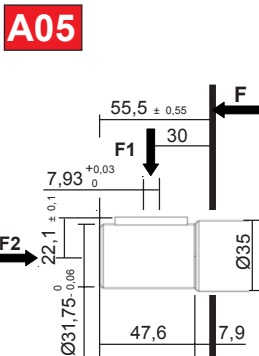
F1 = 150 daN
F2 = 50 daN

Involute spline to SAE
14 teeth - 1" 1/4
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
690 N.m

Tang

40



F1 = 150 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

Dimensions readings and approximative characteristics subject to modifications.

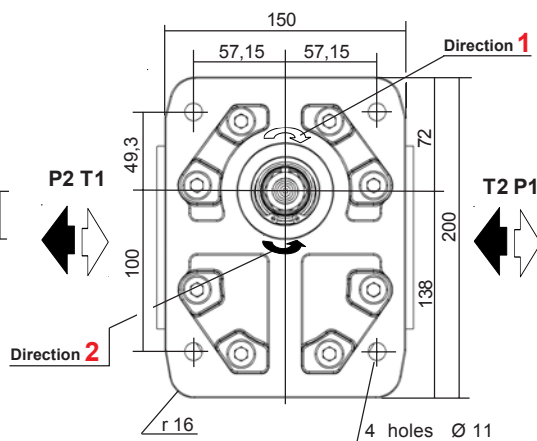
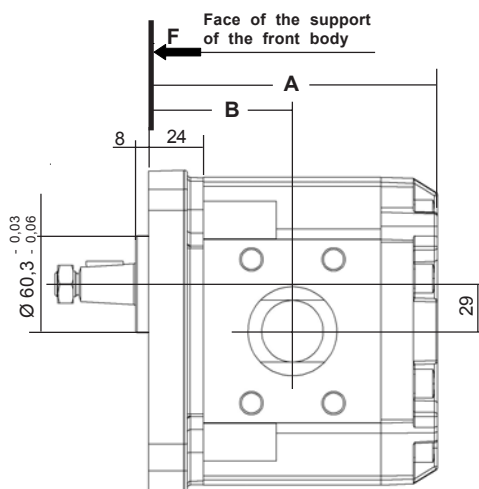
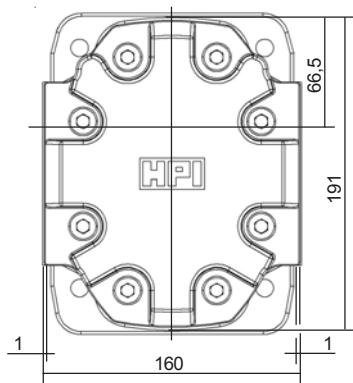
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Consult us for availability



P **II** **BA** **N** **5** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
043 - 052 - 062 - 072	179	88,7
083 - 093 - 103	191	95
125 - 140 - 153	212,2	105,5

Seal kits:

Nitrile: **K5502240**

Viton: **K5502250**

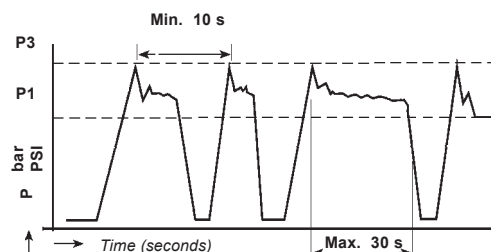
(For the manufacturings from september 1981)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
5043	43,06	300	4350	255	3700	3000	64,59	129	8,44	80,55	13,4
5052	52,91	300	4350	255	3700	3000	79,36	158,5	10,37	98,97	13,4
5062	62,75	300	4350	255	3700	3000	94,12	188	12,30	117,38	13,6
5072	72,59	300	4350	255	3700	3000	108,88	217,5	14,23	135,79	13,8
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	14,3
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	14,4
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	14,4
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	14,9
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	14,9
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	15,2

P1 Maximum pressure in continuous duty.

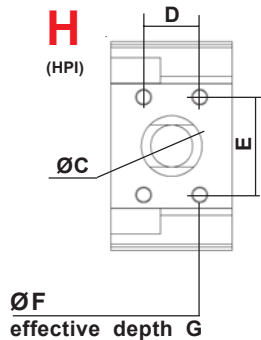
Maximum pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

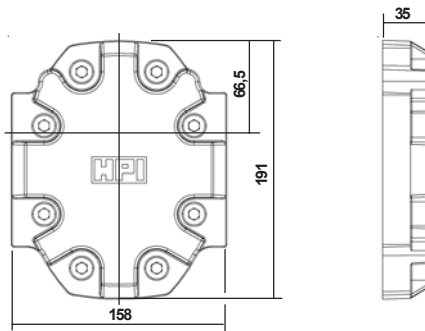
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 RPM)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)
5043 to 5072	55	50,8	89	M14	25	38	35,6	69,8	M14	25	5043	1" 1/4 BSP N: 3.550026 V: 3.550397	3/4" BSP N: 3.550022 V: 3.550392
											5052 5062	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5072	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
5083 to 5153	65	50,8	89	M14	25	38	35,6	69,8	M14	25	5083	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5093 5103	1" 1/2 BSP N: 3.550027 V: 3.550398	1" 1/4 Gaz N: 3.550026 V: 3.550397
											5125 5140	2" BSP N: 3.550028 V: 3.5510399	1" 1/4 BSP N: 3.550026 V: 3.550397
											5153	2" 1/2 BSP N: 3.550034 V: 3.550400	1" 1/4 BSP N: 3.550026 V: 3.550397

REAR BODY

L Standard



DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

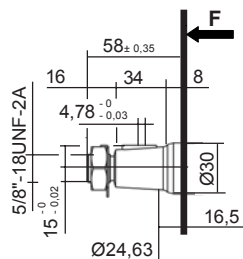
Splined

30

Tang

40

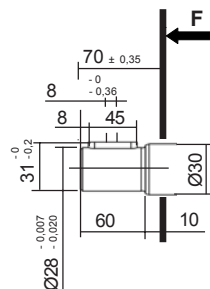
B03 Cône 1 / 8



Delivered with Nut Ref.: K101877

Maxi transmissible torque
800 N.m

A02



Maxi transmissible torque
400 N.m

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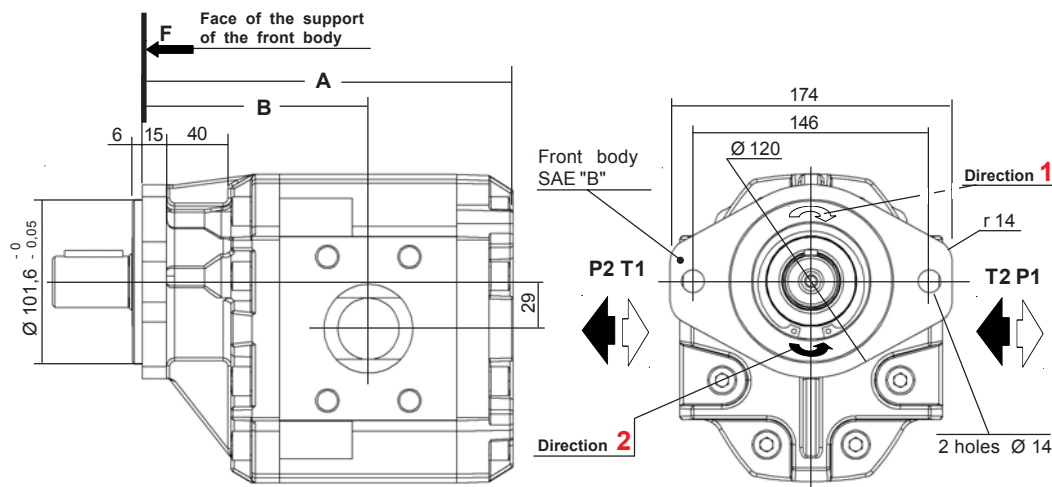
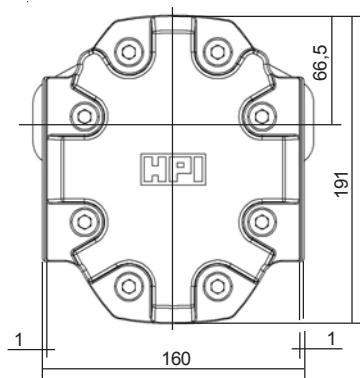
PUBLISHING 17 / 03 / 2011

Dimensions readings and approximative characteristics subject to modifications.

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P **II** **AA** **P** **5** **VI** **HL** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
043 - 052 - 062 - 072	230	139,7
083 - 093 - 103	242	146
125 - 140 - 153	263,2	156,5

Seal kits:

Nitrile: **K5501200 + K5502240**

Viton: **K5501210 + K5502250**

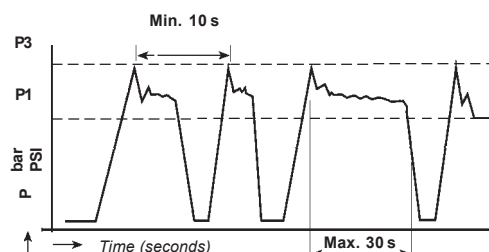
(For the manufacturings from september 1981)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
5043	43,06	300	4350	255	3700	3000	64,59	129	8,44	80,55	14,2
5052	52,91	300	4350	255	3700	3000	79,36	158,5	10,37	98,97	14,2
5062	62,75	300	4350	255	3700	3000	94,12	188	12,30	117,38	14,4
5072	72,59	300	4350	255	3700	3000	108,88	217,5	14,23	135,79	14,6
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	15,1
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	15,2
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	15,2
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	15,7
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	15,7
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	16

P1 Maximum pressure in continuous duty.

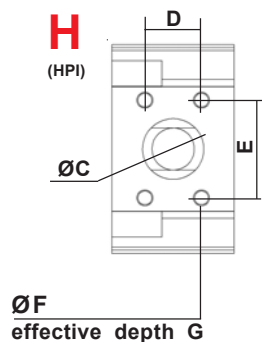
Maximum pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

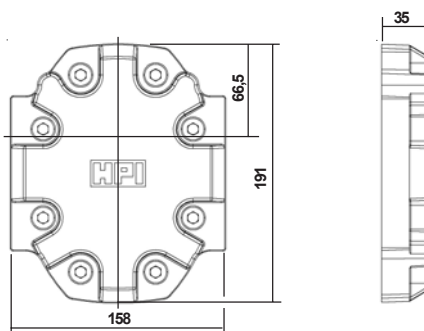
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 RPM)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)
5043 to 5072	55	50,8	89	M14	25	38	35,6	69,8	M14	25	5043	1" 1/4 BSP N: 3.550026 V: 3.550397	3/4" BSP N: 3.550022 V: 3.550392
											5052 5062	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5072	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
5083 to 5153	65	50,8	89	M14	25	38	35,6	69,8	M14	25	5083	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5093 5103	1" 1/2 BSP N: 3.550027 V: 3.550398	1" 1/4 Gaz N: 3.550026 V: 3.550397
											5125 5140	2" BSP N: 3.550028 V: 3.5510399	1" 1/4 BSP N: 3.550026 V: 3.550397
											5153	2" 1/2 BSP N: 3.550034 V: 3.550400	1" 1/4 BSP N: 3.550026 V: 3.550397

REAR BODY

L Standard



DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

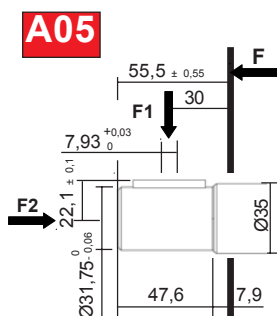
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Splined

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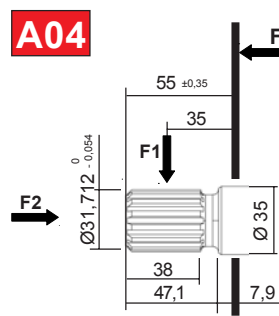
Tang

40



**F1 = 150 daN
F2 = 50 daN**

Maxi transmissible torque
430 N.m



**F1 = 150 daN
F2 = 50 daN**

Maxi transmissible torque
690 N.m
Involute spline to SAE
14 teeth - 1" 1/4
Diametral Pitch 16/32
30° Pressure angle

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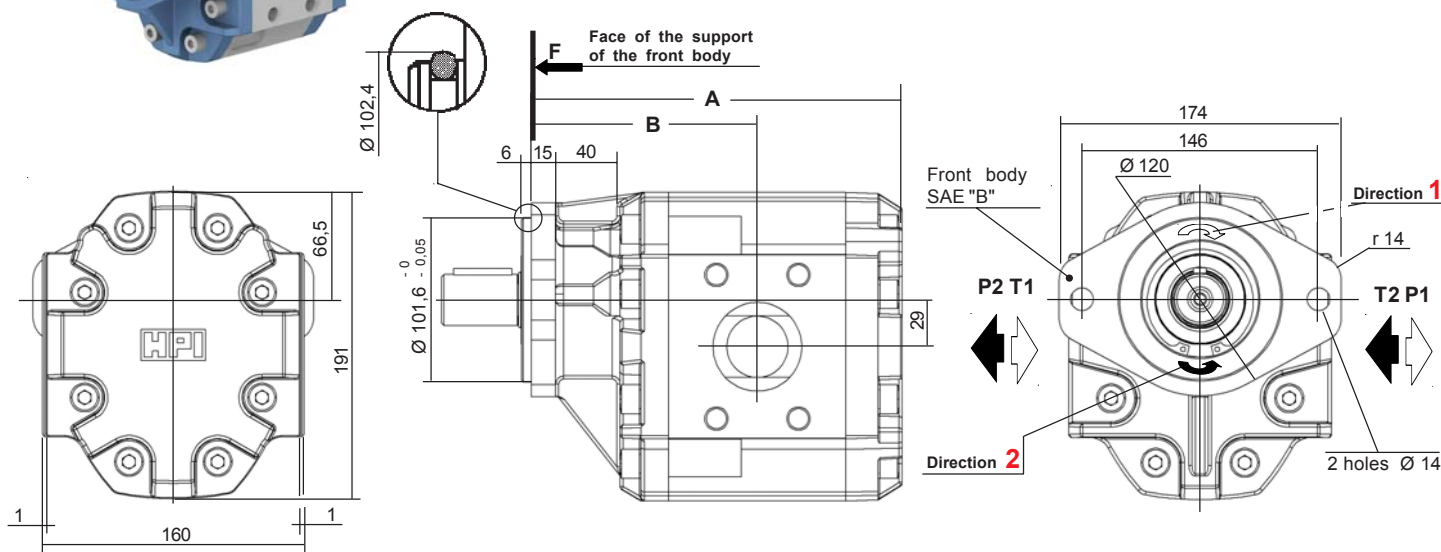
PUBLISHING 17 / 03 / 2011

Dimensions readings and approximative characteristics subject to modifications.

F.T 35 1408 2/2

P **II** **AA** **R** **5** **VI** **HL** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
043 - 052 - 062 - 072	230	139,7
083 - 093 - 103	242	146
125 - 140 - 153	263,2	156,5

Seal kits:

Nitrile: **K5501200 + K5502240**

Viton: **K5501210 + K5502250**

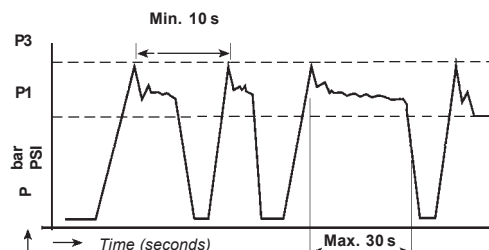
(For the manufacturings from september 1981)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
5043	43,06	300	4350	255	3700	3000	64,59	129	8,44	80,55	14,2
5052	52,91	300	4350	255	3700	3000	79,36	158,5	10,37	98,97	14,2
5062	62,75	300	4350	255	3700	3000	94,12	188	12,30	117,38	14,4
5072	72,59	300	4350	255	3700	3000	108,88	217,5	14,23	135,79	14,6
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	15,1
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	15,2
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	15,2
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	15,7
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	15,7
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	16

P1 Maximum pressure in continuous duty.

Maximum pressure ⇒

P3 Allowable peak pressure.



Consult us for availability

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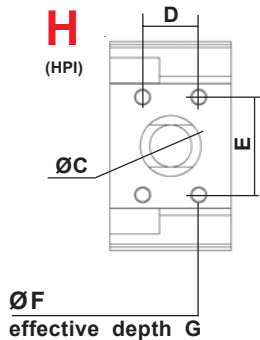
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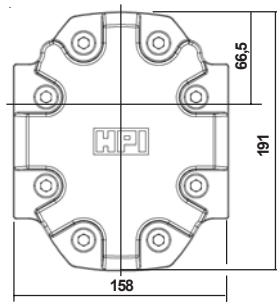
PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 RPM)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)
5043 to 5072	55	50,8	89	M14	25	38	35,6	69,8	M14	25	5043	1" 1/4 BSP N: 3.550026 V: 3.550397	3/4" BSP N: 3.550022 V: 3.550392
											5052 5062	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5072	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
5083 to 5153	65	50,8	89	M14	25	38	35,6	69,8	M14	25	5083	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5093 5103	1" 1/2 BSP N: 3.550027 V: 3.550398	1" 1/4 Gaz N: 3.550026 V: 3.550397
											5125 5140	2" BSP N: 3.550028 V: 3.5510399	1" 1/4 BSP N: 3.550026 V: 3.550397
											5153	2" 1/2 BSP N: 3.550034 V: 3.550400	1" 1/4 BSP N: 3.550026 V: 3.550397

REAR BODY



DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

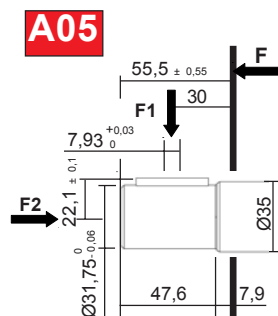
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Splined

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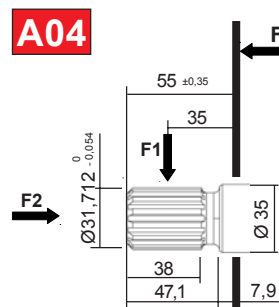
Tang

40



F1 = 150 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m



F1 = 150 daN
F2 = 50 daN

Involute spline to SAE
14 teeth - 1" 1/4
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
690 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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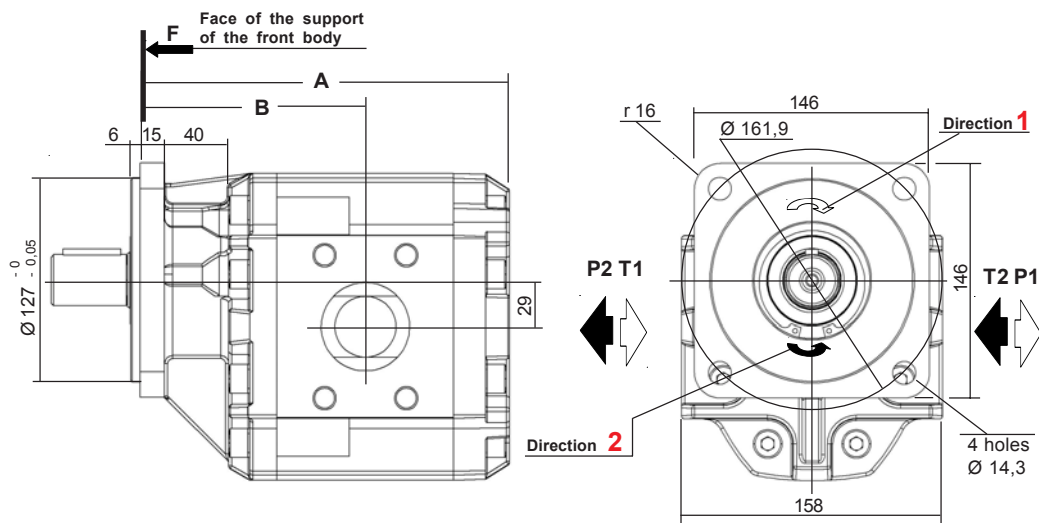
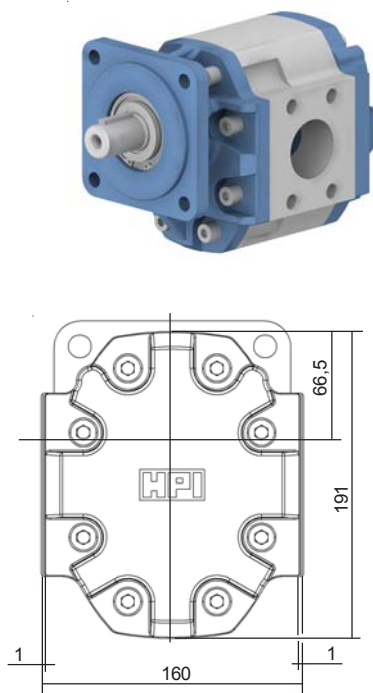
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P **II** **AD** **P** **5** **VI** **HL** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T.R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
043 - 052 - 062 - 072	230	139,7
083 - 093 - 103	242	146
125 - 140 - 153	263,2	156,5

Seal kits:

Nitrile: **K5501200 + K5502240**

Viton: **K5501210 + K5502250**

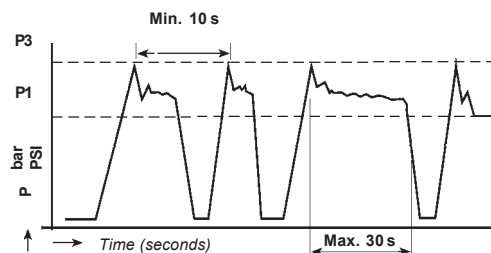
(For the manufacturings from september 1981)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
5043	43,06	300	4350	255	3700	3000	64,59	129	8,44	80,55	14,2
5052	52,91	300	4350	255	3700	3000	79,36	158,5	10,37	98,97	14,2
5062	62,75	300	4350	255	3700	3000	94,12	188	12,30	117,38	14,4
5072	72,59	300	4350	255	3700	3000	108,88	217,5	14,23	135,79	14,6
5083	83,67	280	4060	240	3480	2700	125,50	226	16,41	156,51	15,1
5093	93,51	250	3625	210	3045	2700	140,26	252,5	18,34	174,92	15,2
5103	103,3	250	3625	210	3045	2700	154,95	279	20,25	193,23	15,2
5125	125,5	250	3625	210	3045	2600	188,25	326	24,61	234,76	15,7
5140	140,2	250	3625	210	3045	2500	210,30	350,5	27,49	262,26	15,7
5153	153	250	3625	210	3045	2400	229,50	367,5	30	286,20	16

P1 Maximum pressure in continuous duty.
 $P1 = 0,75 \times P3$

P3 Allowable peak pressure.

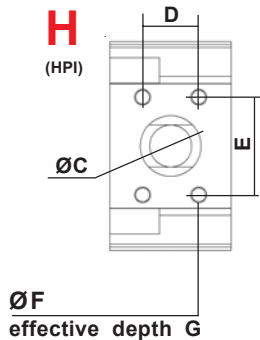
Maximum pressure $\Rightarrow$



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Consult us for availability

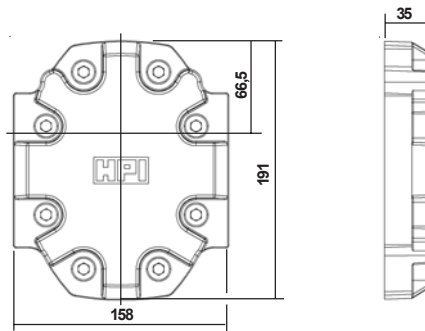
CHOICE of the IMPLANTATIONS of PORTS and RECOMMENDED FLANGES



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 RPM)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G		INLET (T)	OUTLET (P)
5043 to 5072	55	50,8	89	M14	25	38	35,6	69,8	M14	25	5043	1" 1/4 BSP N: 3.550026 V: 3.550397	3/4" BSP N: 3.550022 V: 3.550392
											5052 5062	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5072	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
5083 to 5153	65	50,8	89	M14	25	38	35,6	69,8	M14	25	5083	1" 1/2 BSP N: 3.550027 V: 3.550398	1" BSP N: 3.550023 V: 3.550393
											5093 5103	1" 1/2 BSP N: 3.550027 V: 3.550398	1" 1/4 Gaz N: 3.550026 V: 3.550397
											5125 5140	2" BSP N: 3.550028 V: 3.5510399	1" 1/4 BSP N: 3.550026 V: 3.550397
											5153	2" 1/2 BSP N: 3.550034 V: 3.550400	1" 1/4 BSP N: 3.550026 V: 3.550397

REAR BODY

L Standard



DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

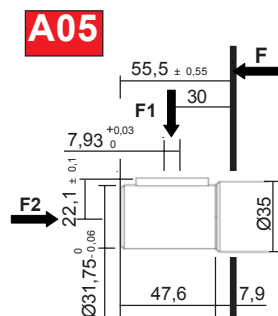
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Splined

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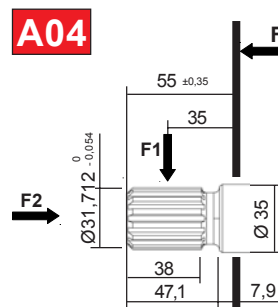
Tang

40



F1 = 150 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m



F1 = 150 daN
F2 = 50 daN

Involute spline to SAE
14 teeth - 1" 1/4
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
690 N.m

Consult us for availability

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Dimensions readings and approximative characteristics subject to modifications.

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PUMPS PRESENTATION

SERIES 4



F.T 40 1417

- FLAT FRONT BODY

PUMP

CBN



F.T 40 1416

PUMP

CBK



F.T 40 1419

- THICK FRONT BODY

PUMP

ADP



F.T 40 1418



Consult us for availability

MODEL	Capacity	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
	cc / rev	bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
4075	075	200	2900	170	2465	2500	112,5	187,5	19,37	141	17
4110	110	200	2900	170	2465	2500	165	275	28,42	206	17,2
4150	150	200	2900	170	2465	2500	225	375	28,60	281	17,4
4175	175	175	2625	150	2175	2500	262,5	437,5	34,31	327,35	19
4212	212	150	2175	130	1885	2500	318	530	41,57	396,56	19,4
4250	250	125	1812	105	1522	2000	375	500	49,02	467,65	20

The pump can only run in one way rotation (Precise the direction of rotation on order).

The working cycles hereunder are possible with hydraulic mineral oil for viscosities between 12 and 150 cSt (65,2 and 700 SUS).

The minimum viscosity of 12 cSt (65,2 SUS) is available for a maximum temperature in the hydraulic circuit . Working temperature: - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C (284 °F) with Viton shaft seal).

Full flow filtration: 10 to 15 microns at the pressure port of the pump or on the return circuit.

Filtration on the suction side: 125 microns.

Pressure at the inlet of the pump:

- Minimum 0,7 bar absolute (Maxi depressure 300 millibar with regard to the air pressure).
- Maximum 2 bar absolute or 1 bar over the air pressure.

The hereabove characteristics concern the pumps driven by elastic couplings perfectly aligned without any external radial or axial force.

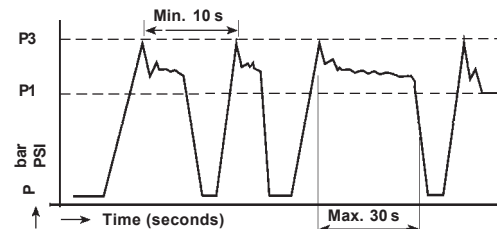
For any other coupling, see technical data sheet F.T R 0009.

For use at maximum working conditions and/or intensive cycles, thanks to consult our technical sales service for validation.

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.

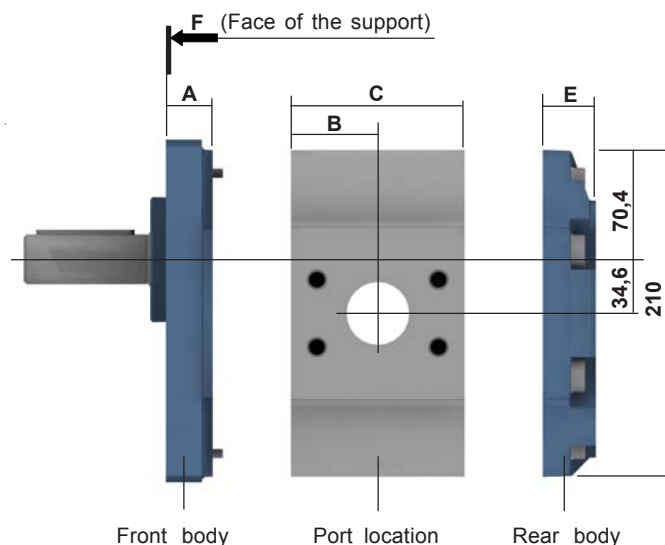


FLAT FRONT BODY

Front body: **A**
CBN / CBK 30

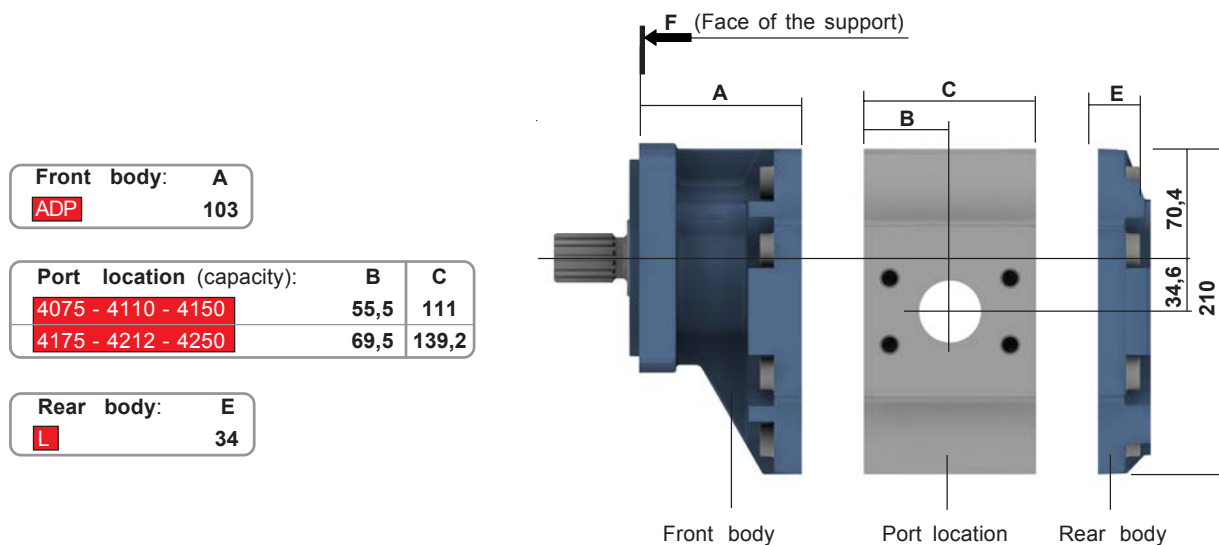
Port location (capacity):	B	C
4075 - 4110 - 4150	55,5	111
4175 - 4212 - 4250	69,5	139,2

Rear body: **E**
L 34



Consult us for availability

THICK FRONT BODY

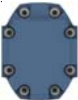


P	II Sign	III Sign	IV Sign	4	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0011**

DIRECTION of ROTATION (II Sign)	FLAT / THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)	REAR BODY (VIII Sign)	DRIVING SHAFTS (IX, X and XI Sign)	
P 1 ↻	P 2 ↺		H	L	STRAIGHT KEYED 20	SPLINED 30

FLAT FRONT BODY								
X	X	 	CBN 4075 4110 4150 4175 4212 4250					20 C06 30 C06

THICK FRONT BODY								
X	X	 	ADP 4075 4110 4150 4175 4212 4250					30 A07

LEGENDES

DIRECTION of ROTATION

P1 = Clockwise
P2 = Anti clockwise

FRONT BODIES

CB* = Fixing French
AD* = Fixing SAE and ISO

PORT LOCATION

H = HPI

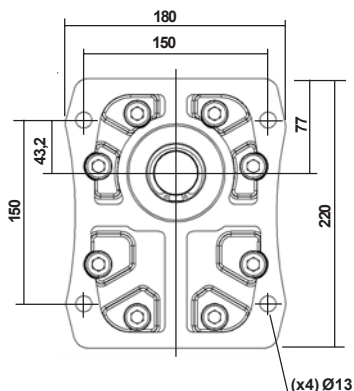
REAR BODY

L = Standard

Consult us for availability

FRONT BODIES

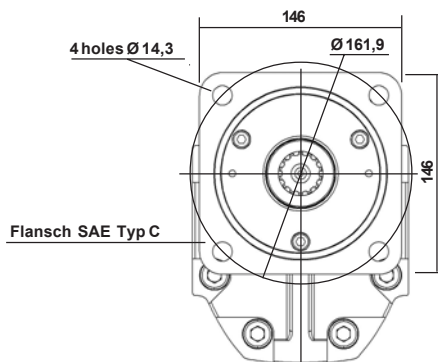
CBN / CBK



Centering: $\varnothing 80 \begin{smallmatrix} -0,03 \\ -0,06 \end{smallmatrix}$
Thickness: 10

CBN: F.T 40 1416
CBK: F.T 40 1419

ADP

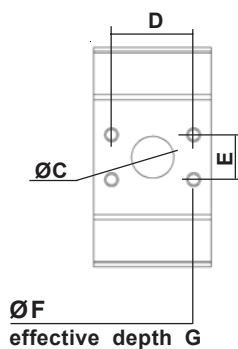


Centering: $\varnothing 127 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

ADP: F.T 40 418

CHOICE of IMPLANTATIONS of PORTS and of RECOMMENDED FLANGES

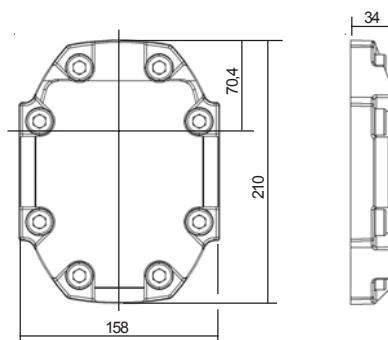
H
(HPI)



Capacity	INLET (T)					OUTLET (P)						CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G		INLET (T)	OUTLET (P)
4075 to 4150	60	77,8	42,6	M12	45	40	77,8	42,9	M12	22	4075	1" 1/4 BSP N: 4.500438 V: 4.505071	1" BSP N: 4.500437 V: 4.505070
											4110	1" 1/2 BSP N: 4.500439 V: 4.504871	1" 1/4 BSP N: 4.500438 V: 4.505071
											4150	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
4175 to 4250	70	89	50,8	M12	45	38	77,8	42,9	M12	22	4175	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
											4212	2" 1/2 BSP N: 4.500443 V: 4.505074	1" 1/2 BSP N: 4.500439 V: 4.504871
											4250	2" 1/2 BSP N: 4.500443 V: 4.505074	2" BSP N: 4.500440 V: 4.505072

CORPS ARRIERE

L
Standard

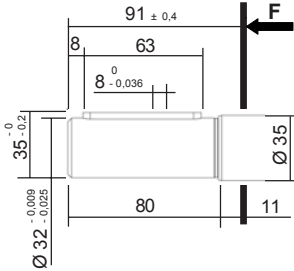
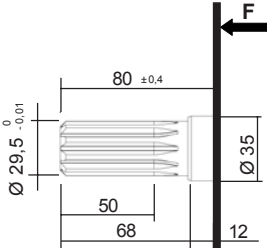
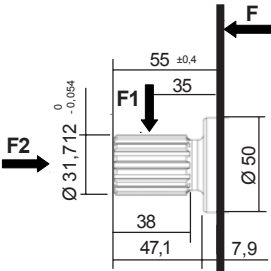


Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 40 1417 3/4

DRIVING SHAFTS

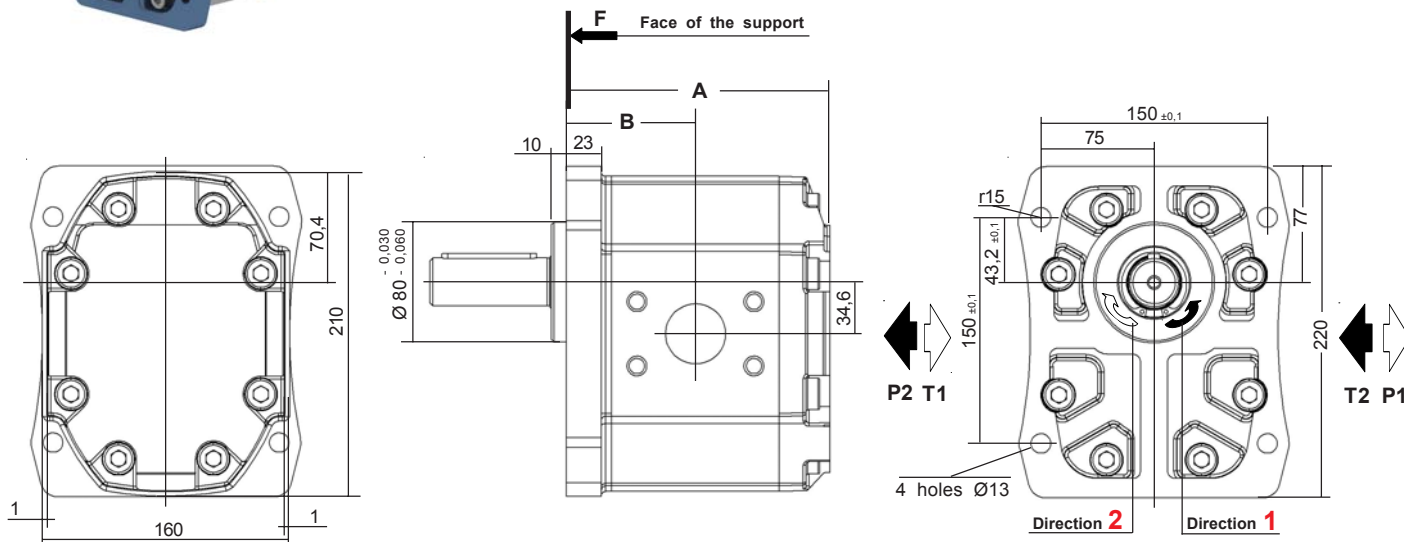
Tapered	Straight keyed	Splined	Tang
10	20	30	40
	C06  <u>Couple maxi transmissible</u> 700 N.m	C06  Involute spline shaft 30 x 10 x 2,5 to standard NF E 22 141 - BNA 455 Spigot on free flanks <u>Maxi transmissible torque</u> 140 N.m A07  F1 = 280 daN F2 = 100 daN Involute spline to SAE Standard - 14 teeth 1" 1/4 - Pitch 16/32 - Flat root 30° Pressure angle <u>Maxi transmissible torque</u> 700 N.m	

Dimensions readings and approximative characteristics subject to modifications.



P **II** **CB** **N** **4** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see Data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
075 - 110 - 150	175	85,5
175 - 212 - 250	203	99,5

Seal kits:

Nitrile: **K5008900**

Viton: **K5015730**

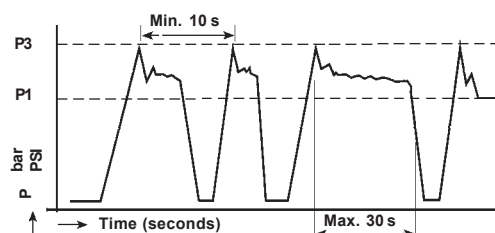
(For the manufacturings from 1978)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
4075	075	200	2900	170	2465	2500	112,5	187,5	19,37	141	17
4110	110	200	2900	170	2465	2500	165	275	28,42	206	17,2
4150	150	200	2900	170	2465	2500	225	375	28,60	281	17,4
4175	175	175	2625	150	2175	2500	262,5	437,5	34,31	327,35	19
4212	212	150	2175	130	1885	2500	318	530	41,57	396,56	19,4
4250	250	125	1812	105	1522	2000	375	500	49,02	467,65	20

P1 Maximum pressure in continuous duty.

P3 Allowable peak pressure.

Maximum Pressure ⇒



F.T 40 1416 1/2

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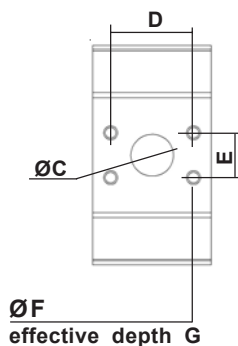
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[main dimensions](#)

PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATION of PORTS and RECOMMENDED FLANGES

H
(HPI)

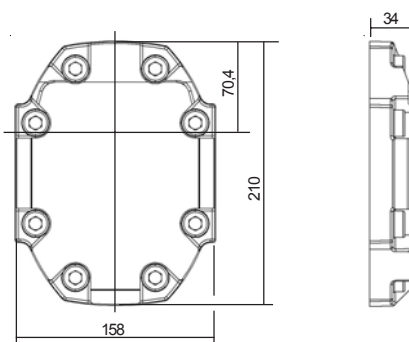


Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)		OUTLET (P)
4075 to 4150	60	77,8	42,6	M12	45	40	77,8	42,9	M12	22	4075	1" 1/4 BSP N: 4.500438 V: 4.505071	1" BSP N: 4.500437 V: 4.505070
											4110	1" 1/2 BSP N: 4.500439 V: 4.504871	1" 1/4 BSP N: 4.500438 V: 4.505071
											4150	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
4175 to 4250	70	89	50,8	M12	45	38	77,8	42,9	M12	22	4175	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
											4212	2" 1/2 BSP N: 4.500443 V: 4.505074	1" 1/2 BSP N: 4.500439 V: 4.504871
											4250	2" 1/2 BSP N: 4.500443 V: 4.505074	2" BSP N: 4.500440 V: 4.505072

REAR BODY

L

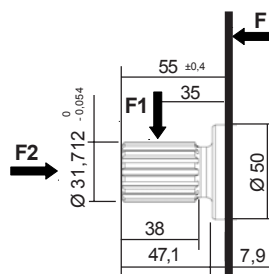
Standard



DRIVING SHAFTS

Tapered	Straight keyed	Splined	Tang
10	20	30	40

A07



F1 = 280 daN

F2 = 100 daN

Involute spline to SAE
Standard - 14 teeth - 1" 1/4 SAE
Pitch 16 / 32 - Flat root
30° Pressure angle

Maxi transmissible torque

700 N.m

Consult us for availability

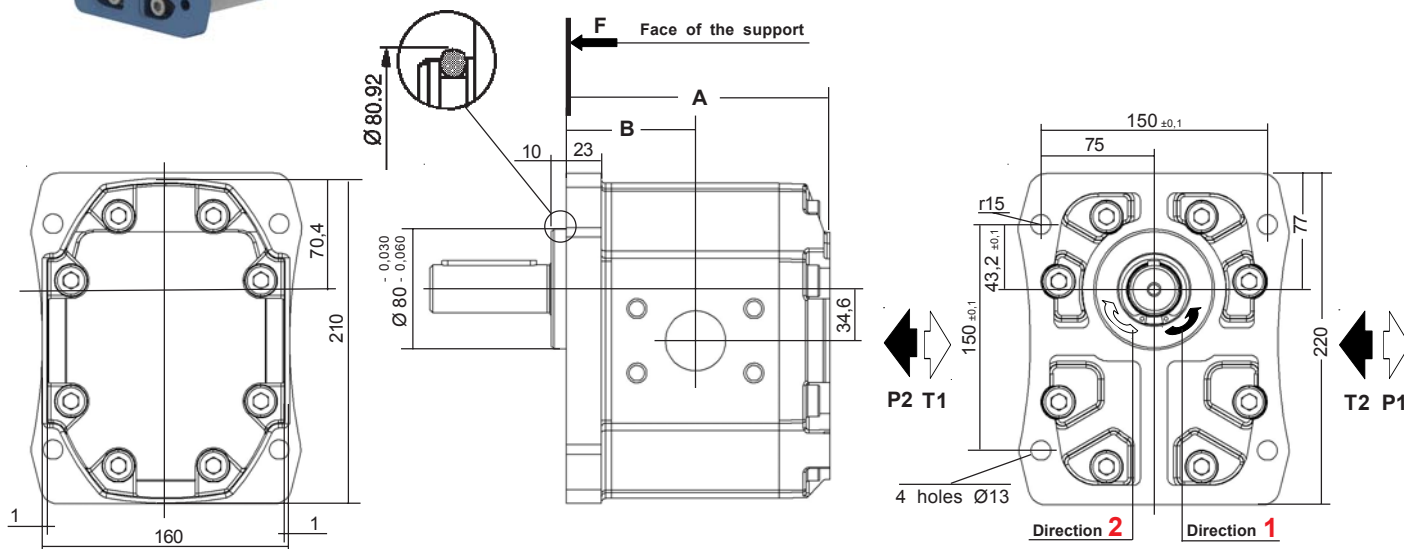
Dimensions readings and approximative characteristics subject to modifications.

F.T 40 1416 2/2



P **II** **CB** **K** **4** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see Data sheet **F.T R 0011**



CHOICE of the Capacity	Dimensions	
	A	B
075 - 110 - 150	175	85,5
175 - 212 - 250	203	99,5

Seal kits:

Nitrile: **K5008900 + K101517**

Viton: **K5015730 + K104406**

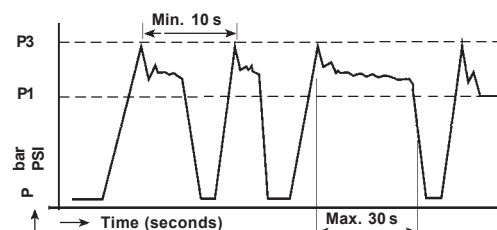
(For the manufacturings
from 1978)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
4075	075	200	2900	170	2465	2500	112,5	187,5	19,37	141	17
4110	110	200	2900	170	2465	2500	165	275	28,42	206	17,2
4150	150	200	2900	170	2465	2500	225	375	28,60	281	17,4
4175	175	175	2625	150	2175	2500	262,5	437,5	34,31	327,35	19
4212	212	150	2175	130	1885	2500	318	530	41,57	396,56	19,4
4250	250	125	1812	105	1522	2000	375	500	49,02	467,65	20

P1 Maximum pressure in continuous duty.

Maximum Pressure ⇒

P3 Allowable peak pressure.



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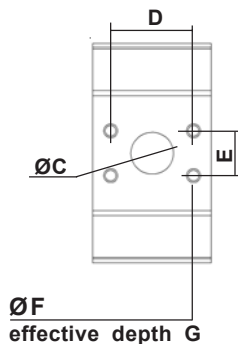
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PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATION of PORTS and RECOMMENDED FLANGES

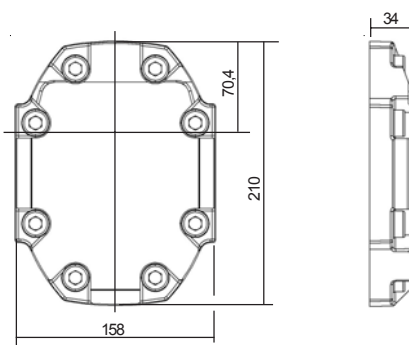
H
(HPI)



Capacity	INLET (T)					OUTLET (P)						CATALOGUE N° 70	
												Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G		INLET (T)	OUTLET (P)
4075 to 4150	60	77,8	42,6	M12	45	40	77,8	42,9	M12	22	4075	1" 1/4 BSP N: 4.500438 V: 4.505071	1" BSP N: 4.500437 V: 4.505070
											4110	1" 1/2 BSP N: 4.500439 V: 4.504871	1" 1/4 BSP N: 4.500438 V: 4.505071
											4150	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
4175 to 4250	70	89	50,8	M12	45	38	77,8	42,9	M12	22	4175	2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
											4212	2" 1/2 BSP N: 4.500443 V: 4.505074	1" 1/2 BSP N: 4.500439 V: 4.504871
											4250	2" 1/2 BSP N: 4.500443 V: 4.505074	2" BSP N: 4.500440 V: 4.505072

REAR BODY

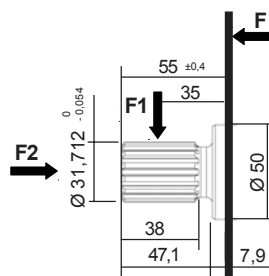
L
Standard



DRIVING SHAFTS

Tapered	Straight keyed	Splined	Tang
10	20	30	40

A07



F1 = 280 daN

F2 = 100 daN

Involute spline to SAE
Standard - 14 teeth - 1" 1/4 SAE
Pitch 16 / 32 - Flat root
30° Pressure angle

Maxi transmissible torque

700 N.m

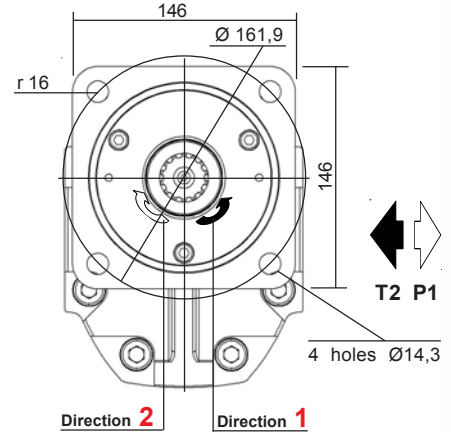
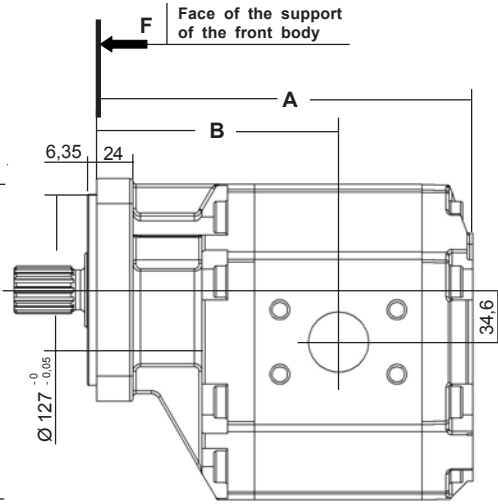
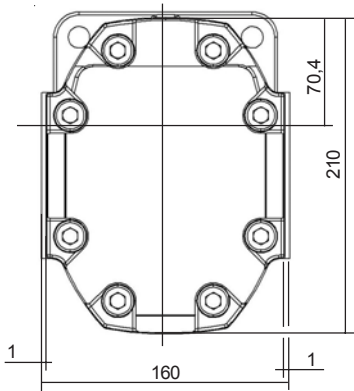
Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 40 1419 2/2

P **II** **AD** **P** **4** **VI** **H** **L** **IX** **X** **XI** **XII**
Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see Data sheet **F.T R 0011**



CHOICE of the Capacity

Dimensions

	A	B
075 - 110 - 150	248	158,5
175 - 212 - 250	276	174,5

Seal kits:

Nitrile: **K5044880 + K5008910**

Viton: **K5044890 + K5044840**

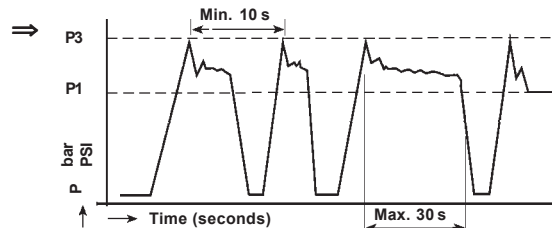
(From manufacturings
from 1978)

MODEL	Capacity cc / rev	PEACK PRESSURE		MAX WORKING PRESSURE		Maxi speed RPM	NOMINAL FLOW		Input power (kW) at 1000 RPM and 100 bar	Input torque at 100 bar and N.m	Approx. weight Kg
		bar	PSI	bar	PSI		at 1500 RPM l / min	at Maxi speed l / min			
4075	075	200	2900	170	2465	2500	112,5	187,5	19,37	141	19,5
4110	110	200	2900	170	2465	2500	165	275	28,42	206	19,7
4150	150	200	2900	170	2465	2500	225	375	28,60	281	20
4175	175	175	2625	150	2175	2500	262,5	437,5	34,31	327,35	21,5
4212	212	150	2175	130	1885	2500	318	530	41,57	396,56	22
4250	250	125	1812	105	1522	2000	375	500	49,02	467,65	22,5

P1 Maximum pressure in continuous duty.

Maximum Pressure

P3 Allowable peak pressure.



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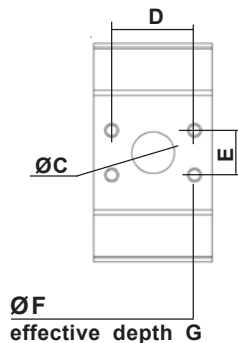
next

main dimensions

PUBLISHING 17 / 03 / 2011

CHOICE of the IMPLANTATION of PORTS and RECOMMENDED FLANGES

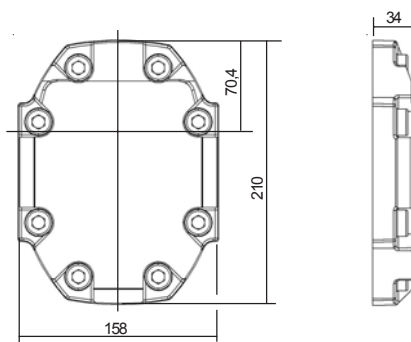
H
(HPI)



Capacity	INLET (T)					OUTLET (P)					CATALOGUE N° 70 Ref. of RECOMMENDED FLANGES (for speed 1500 rev / min)	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET (T)	OUTLET (P)
4075 to 4150	60	77,8	42,6	M12	45	40	77,8	42,9	M12	22	4075 1" 1/4 BSP N: 4.500438 V: 4.505071	1" BSP N: 4.500437 V: 4.505070
											4110 1" 1/2 BSP N: 4.500439 V: 4.504871	1" 1/4 BSP N: 4.500438 V: 4.505071
											4150 2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
4175 to 4250	70	89	50,8	M12	45	38	77,8	42,9	M12	22	4175 2" BSP N: 4.500440 V: 4.505072	1" 1/2 BSP N: 4.500439 V: 4.504871
											4212 2" 1/2 BSP N: 4.500443 V: 4.505074	1" 1/2 BSP N: 4.500439 V: 4.504871
											4250 2" 1/2 BSP N: 4.500443 V: 4.505074	2" BSP N: 4.500440 V: 4.505072

REAR BODY

L
Standard



DRIVING SHAFTS

Tapered	Straight keyed	Splined	Tang
10	20	30	40
		A07 F1 = 280 daN F2 = 100 daN Involute spline to SAE Standard - 14 teeth - 1" 1/4 SAE Pitch 16 / 32 - Flat root 30° Pressure angle <u>Maxi transmissible torque</u> 700 N.m	

Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 40 1418 2/2



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