



# MOTORS CATALOGUE



Motors Series 0



Motors Series 1



Motors Series 2



Motors Series 2,5



Motors Series 3



**Characteristics and Codification**

Hydraulic gear motors  
**Series 0 Flat front body**



Hydraulic gear motors  
**Series 1 Flat front body**



Hydraulic gear motors  
**Series 2 Flat front body**



Hydraulic gear motors  
**Series 2 Thick front body**



Hydraulic gear motors  
Series 2,5 Flat front body



Hydraulic gear motors  
Series 2,5 Thick front body



Hydraulic gear motors  
Serie 3 Flat front body

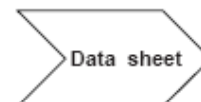


Hydraulic gear motors  
series 3 Thick front body



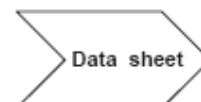
## Characteristics and Codifications

Recommendations for installing and maintenance Motors



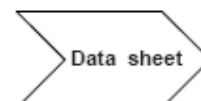
**F.T R 0152**

Oil recommendations



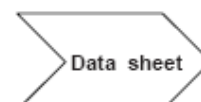
**F.T R 0003**

Recommendation concerning the drive type of Motors



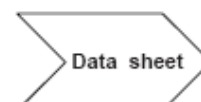
**F.T R 0009**

Codification of Motors



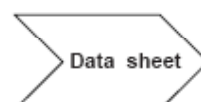
**F.T R 0243**

Motors Characteristics



**F.T R 0054**

Compensation CIP 3G



**F.T R 0269**

Our motors 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.  
Motor can be placed in whatever position.

### **2- Driving**

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

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

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

When the motor 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.

All 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 motor oil loss.

Consequences are always damaging to the motor: 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 motor a good efficiency and a long life duration, the filtration of the hydraulic fluid is indispensabl .

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  $\mu$ .

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

Flow capacity: 1 dm<sup>2</sup> for a flow of 10 l / min.

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

### **6- Air filtration**

Most of the motors 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  $\mu$  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 motor, 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).

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

Also make sure that no external heat supply disturbs the functioning of the motor. 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 motor 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 motor 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
<b>HM</b>	32	HYPIN AWS 32	ELFOLNA DS 32	NU TO H 32	HYDRAN TS 32
	46	HYPIN AWS 46	ELFOLNA DS 46	NU TO H 46	HYDRAN TS 46
	68	HYPIN AWS 68	ELFOLNA DS 68	NU TO H 68	HYDRAN TS 68
<b>HV</b>	32	HYPIN AWH 32	HYDRELF DS 32	UNIVIS N 32	HYDRAN TSX 32
	46	HYPIN AWH 46	HYDRELF DS 46	UNIVIS N 46	HYDRAN TSX 46
	68	HYPIN AWH 68	ELFOLNA DS 68	UNIVIS N 68	HYDRAN TSX 68
<b>HE</b>	32	CARELUBE HTG 32			BIOHYDRAN TMP 32
	46			UNIVIS BIO SHP 46	BIOHYDRAN TMP 46
	68				BIOHYDRAN TMP 68
<b>OILS DIESELS MOTORS</b>			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
<b>HM</b>	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
<b>HV</b>	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
<b>HE</b>	46			NATURELLE HFE	HYDROBIO 46
<b>OILS DIESELS MOTORS</b>		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-oxidation 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 speeds).

**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 definition must be subject to an agreement between the supplier and the final customer.

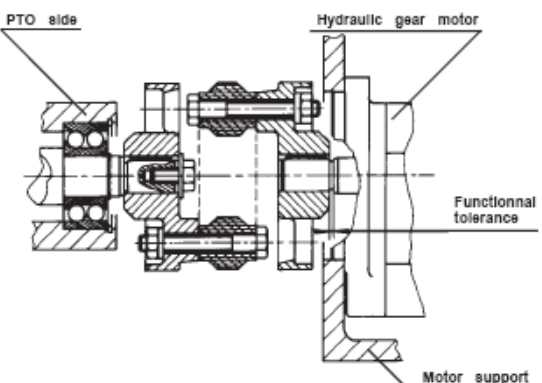
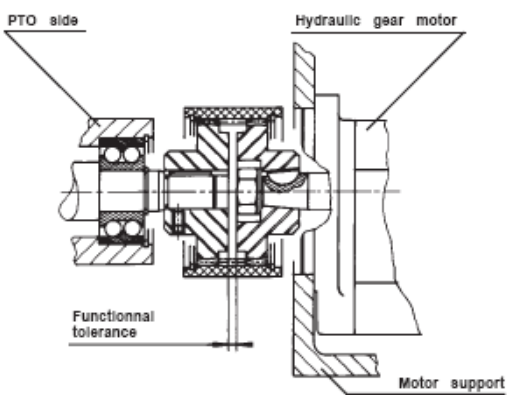
As the JTEKT-HPI hydraulic motors are designed with shafts on bush bearings, it is necessary to avoid any axial or radial load and, in order to obtain the best performances and a longer life time, to pay some keen attention to the transmission driving type.

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

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	
	<p>Mounting with elastic 3 parts coupling.</p> <p>The motor shafts can be:</p> <ul style="list-style-type: none"> <li>- Straight keyed shafts</li> <li>- Tapered shafts</li> <li>- Splined shafts</li> </ul>
	<p>Mounting with 3 parts coupling with bulged gear.</p> <p>The motor shafts can be:</p> <ul style="list-style-type: none"> <li>- Straight keyed shafts</li> <li>- Tapered shafts</li> <li>- Splined shafts</li> </ul>

### RECOMMENDED COUPLINGS

Mounting with coupling and Oldham coupling.

The motor shafts can be:

- Straight keyed shafts
- Tapered shafts
- Splined shafts

**RECOMMENDED LUBRICATION.**

---

Mounting with Oldham coupling.

Tang drive shaft on PTO and motor shaft.

**RECOMMENDED LUBRICATION.**

---

Mounting with Oldham coupling.

Tang drive shaft on PTO and motor shaft.

**RECOMMENDED LUBRICATION.**

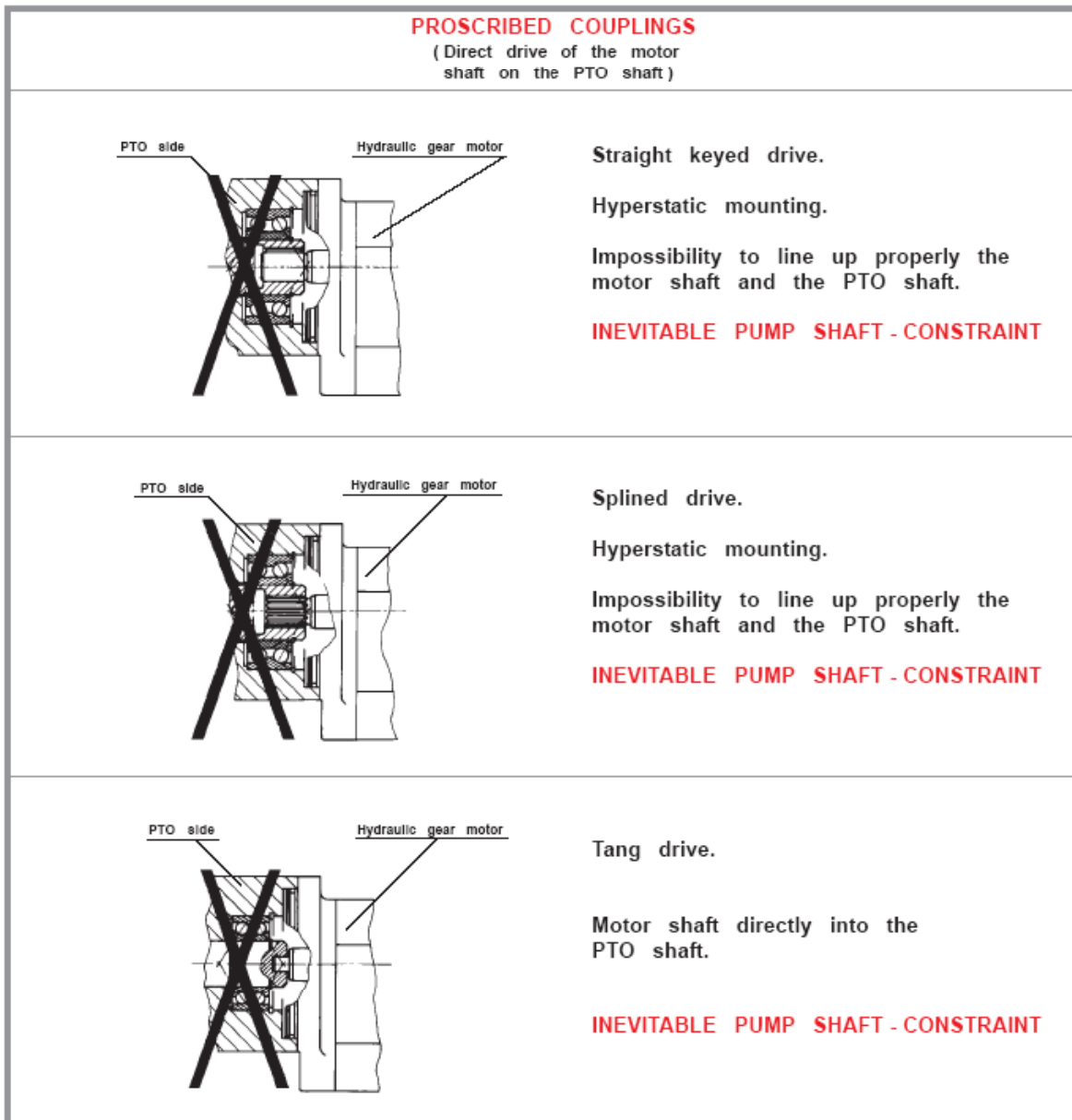
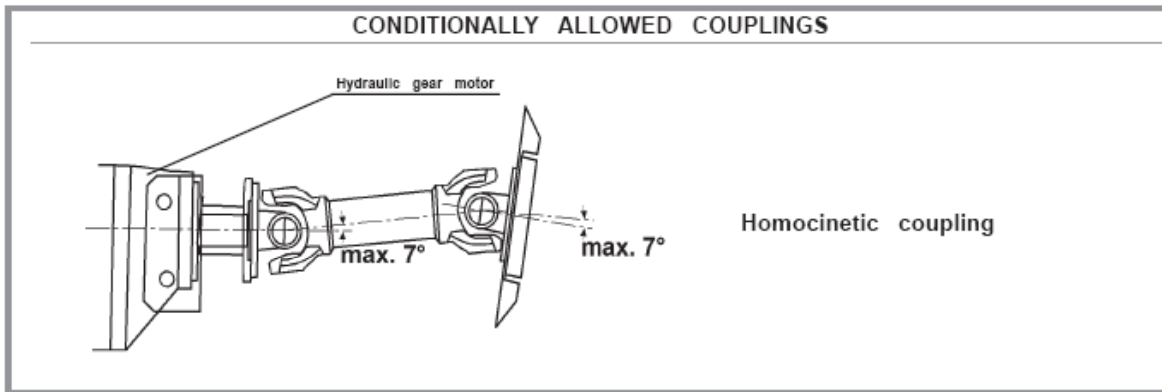
### CONDITIONALLY ALLOWED COUPLINGS

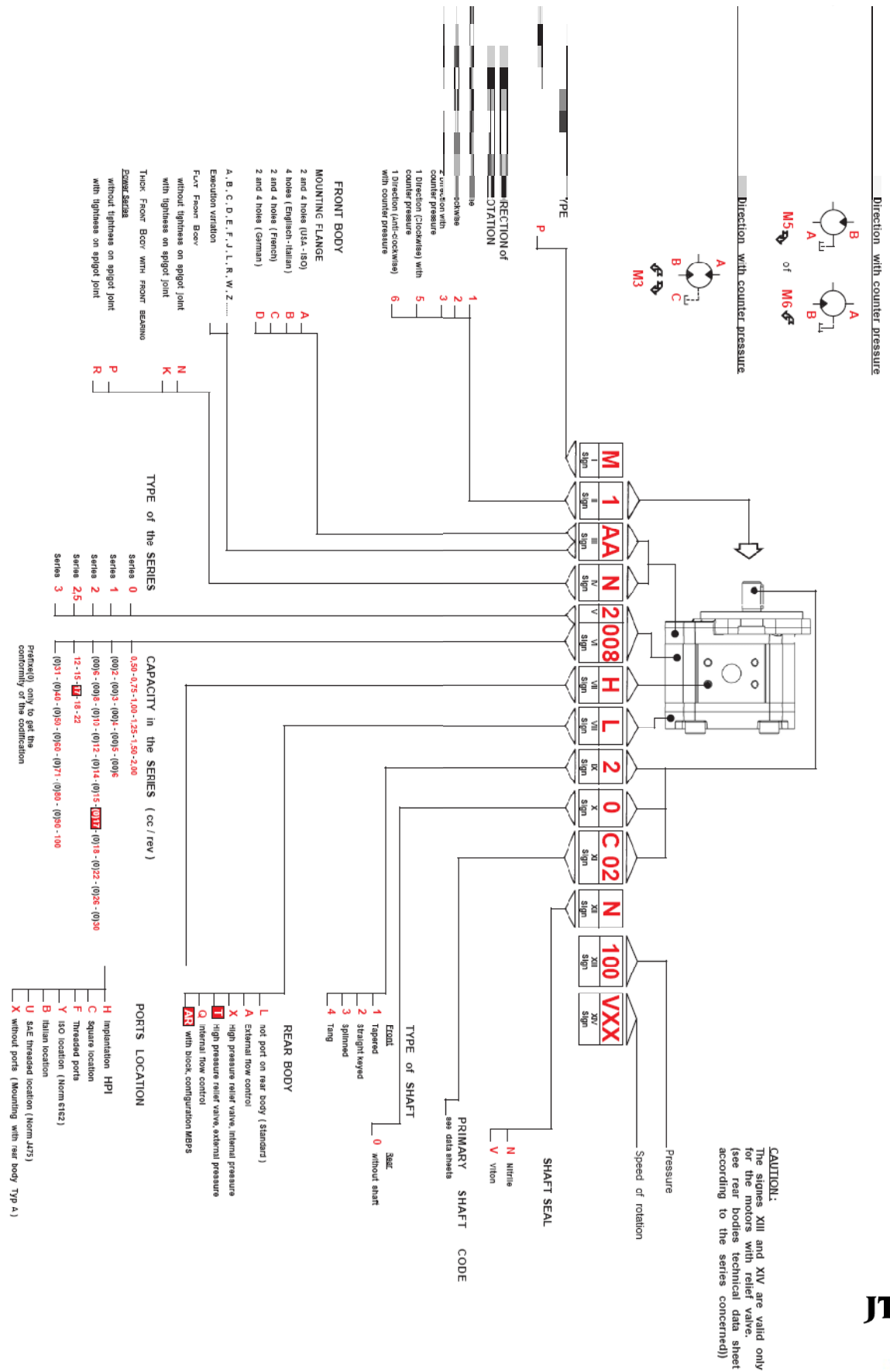
Mounting with splined coupling (Spigot on free flank).

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

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








Non Standard Product. Contact us

SERIES	MODEL	Capacity cc / rev	MINI SPEED RPM	MAXI PRESSURE at MINI SPEED		MAXI SPEED RPM	MAXI PRESSURE at MAXI SPEED		NOMINAL FLOW		Input power in kW at 1000 RPM and 100 bar	Input torque at 100 bar in m.daN	approx. weight Kg
				bar	PSI		bar	PSI	at 1500	at maxi			
									rev / min	speed			

<b>0</b>	<b>0050</b>	0,50	500	100	1450	8000	250	3625	0,75	4	0,10	0,54	0,42
	<b>0075</b>	0,75	500	100	1450	8000	220	3190	1,12	6	0,15	1,40	
	<b>0100</b>	1	500	100	1450	8000	200	2900	1,50	8	0,20	1,87	0,45
	<b>0125</b>	1,25	500	100	1450	6000	150	2175	1,87	7,5	0,25	2,34	
	<b>0150</b>	1,50	500	100	1450	6000	120	1740	2,25	9	0,29	2,81	
	<b>0200</b>	2	500	100	1450	5000	100	1450	3	10	0,39	3,74	0,50

<b>1</b>	<b>1002</b>	2,05	1000	200	2900	8000	250	3625	3,07	16,4	0,40	3,83	0,9
	<b>1003</b>	3,07	1000	200	2900	7000	250	3625	4,60	21,4	0,60	5,74	
	<b>1004</b>	4,09	800	175	2537	6000	200	2900	6,13	24,5	0,80	7,65	1,1
	<b>1005</b>	5,12	500	150	2175	6000	175	2537	7,68	30,7	1	9,58	
	<b>1006</b>	6,14	400	150	2175	6000	175	2537	9,21	30,7	1,20	11,49	

<b>2</b>	<b>2006</b>	6,45	300	150	2175	4000	250	3625	9,67	22,5	1,26	12,07	1,6
	<b>2008</b>	8,25	300	150	2175	4000	250	3625	12,37	28,8	1,62	15,43	1,7
	<b>2010</b>	10,12	300	150	2175	4000	250	3625	15,18	35,3	1,98	18,93	1,7
	<b>2012</b>	12	250	150	2175	4000	250	3625	18	42	2,35	22,45	1,7
	<b>2014</b>	13,8	200	200	2900	3500	225	3260	20,7	48,3	2,71	25,81	2
	<b>2015</b>	15,52	200	200	2900	3500	225	3260	23,25	52,5	3,04	29,03	2,1
	<b>2017</b>	17,3	200	200	2900	3500	225	3260	25,95	60,55	3,39	32,36	2,1
	<b>2018</b>	19,12	200	150	2175	3500	175	2537	28,65	66,8	3,75	35,77	2,2
	<b>2022</b>	22,87	200	150	2175	3500	150	2175	34,2	79,8	4,48	42,78	2,3
	<b>2026</b>	27,6	200	150	2175	3000	150	2175	41,4	82,8	5,41	51,63	2,7
<b>2030</b>	31,2	200	150	2175	3000	150	2175	46,8	93,6	6,12	58,36	2,8	

 Consult us for availability

SERIES	MODEL	Capacity cc / rev	MINI SPEED RPM	MAXI PRESSURE at MINI SPEED		MAXI SPEED RPM	MAXI PRESSURE at MAXI SPEED		NOMINAL FLOW		Input power in kW at 1000 RPM and 100 bar	Input torque at 100 bar in N.m	approx. weight Kg
				bar	PSI		bar	PSI	at 1500	at maxi			
									rev / min	speed			

2,5

<b>2512</b>	12	250	200	2900	4000	225	3260	18	48	2,35	22,45	2,3
<b>2515</b>	15,52	200	200	2900	3500	225	3260	23,25	52,5	3,04	29,03	2,6
<b>2517</b>	17,3	200	200	2900	3500	225	3260	25,95	60,55	3,39	32,36	2,6
<b>2518</b>	19,12	200	150	2175	3500	175	2537	28,65	66,8	3,75	35,77	2,7
<b>2522</b>	22,87	200	150	2175	3500	150	2175	34,2	79,8	4,48	42,78	2,8

3

<b>3025</b>	25,8	300	200	2900	3000	250	3625	38,7	77,4	4,90	4,63	5,6
<b>3031</b>	32,1	300	200	2900	3000	225	3260	48,15	96,3	6,10	5,73	5,6
<b>3040</b>	41,5	250	200	2900	3000	225	3260	62,25	124,5	7,85	7,37	5,7
<b>3050</b>	51,65	250	200	2900	3000	225	3260	77,47	154,9	9,77	9,21	6,9
<b>3060</b>	62,6	200	175	2537	3000	200	2900	93,9	156,5	11,85	11,05	7
<b>3071</b>	73,55	200	150	2175	2500	200	2900	110,32	183,8	13,92	13,08	7
<b>3080</b>	82,95	200	125	1812	2500	175	2537	124,42	182,4	15,59	14,60	7,1
<b>3090</b>	92,95	200	125	1812	2000	175	2537	139,42	185,9	17,47	16,47	7,8
<b>3100</b>	103,9	200	125	1812	2000	175	2537	155,85	207,8	19,40	18,17	8

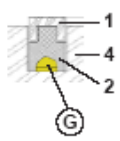


Consult us for availability



## WORKING PRINCIPLES OF THE INTEGRAL PROPORTIONAL COMPENSATION

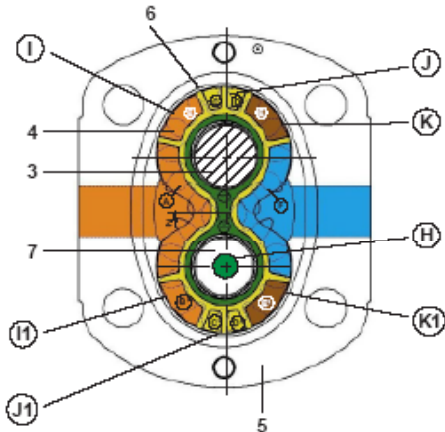
**Section ZZ**



- P1 A B B1
- G C D C1 D1
- E E1
- P2 F
- H

**Balanced system zones**

- High pressure (primary pressure)
- Median pressure
- Average pressure
- Counter pressure from 0 to P max (secondary pressure)
- Low pressure (communication with tank)



- 1 Anti-extrusion seal of the integral compensation
- 2 Tightness seal of the integral compensation
- 3 Driving shaft
- 4 Monoblock bearing
- 5 Body of motor
- 6 Tightness seal in between bodies
- 7 Driven shaft

**FUNCTIONS:** I (I1) Feeding canal of zone B (B1)  
 J (J1) Bi-operation feeding canal of zones C-D (C1 - D1) and G  
 M (M1) Feeding canal of zone E

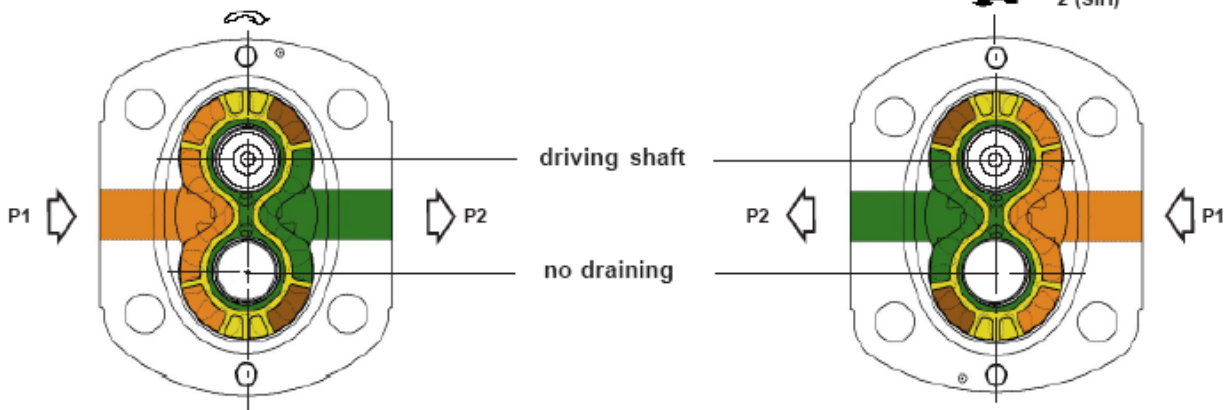
**C.I.P 3G - M1 / M5**

**1 way rotation without counter-pressure**

**C.I.P 3G - M2 / M6**

Clockwise 1 (SH)

Anti-Clockwise 2 (SIH)



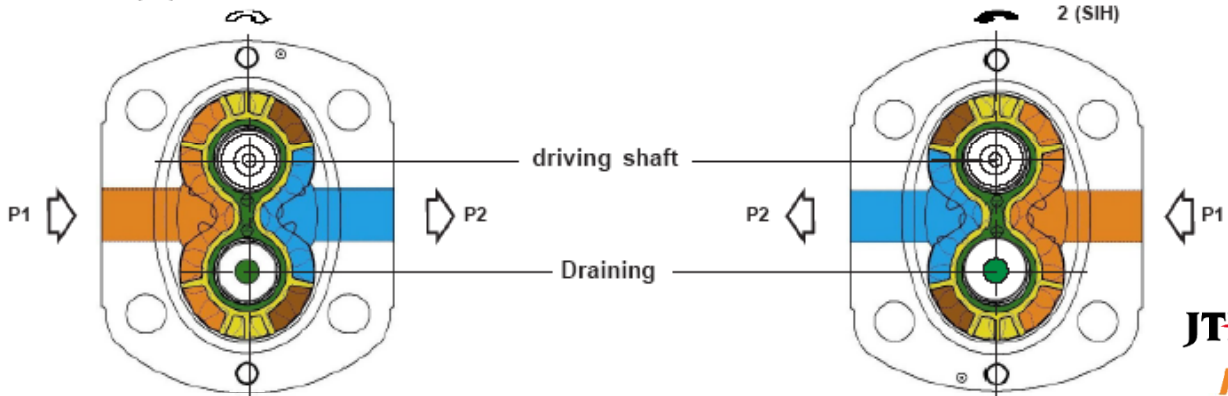
**C.I.P 3G - M3**

**1 or 2 ways rotation with counter-pressure**

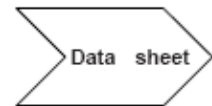
**C.I.P 3G - M3**

Clockwise 1 (SH)

Anti-Clockwise 2 (SIH)



MOTORS PRESENTATION  
**SERIES 0**



F.T 00 1420

MOTOR **AAN**



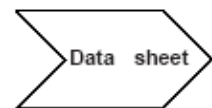
F.T 00 1421

MOTOR **AAK**



F.T 00 1422

MOTOR **DCN**



F.T 00 1423

MOTOR **DCK**



F.T 00 1424



Consult us for availability

TYP	Förder- volumen cm <sup>3</sup> / U	HÖCHSTDRUCK			Drehzahl Max. unter		Drehzahl min. bei			HÖCHSTDRUCK für ΔP ≤ 100 bar	Gewicht ungefähr Kg
		P1 bar	P2 bar	P3 bar	P1 U/min	P2 U/min	100 bar U/min	210 bar U/min	300 bar U/min		
<b>0050</b>	0,50	200	230	250	5000	6000	800	1200	1500	5000	0,42
<b>0075</b>	0,75	175	200	220	5000	6000	800	1200	1500 <sup>220 bar</sup>	5000	
<b>0100</b>	1	160	180	200	5000	6000	800	1200	1500 <sup>200 bar</sup>	5000	0,45
<b>0125</b>	1,25	100	120	150	3500	4500	500	1000 <sup>150 bar</sup>		3500	
<b>0150</b>	1,50	70	90	120	3500	4500	500	1000 <sup>150 bar</sup>		3500	
<b>0200</b>	2	70	85	100	3000	4000	500	1000 <sup>150 bar</sup>		3000	0,50

Nachstehende Belastungszyklen sind zulässig: für Mineralöle mit einer Viskosität zwischen 12 und 150 cSt. Die min. Viskosität von 12 cSt versteht sich bei max. Temperatur der Hydraulikanlage. Betriebstemperatur: - 20 °C bis + 80 °C (140 °C mit Viton Wellendichtring).

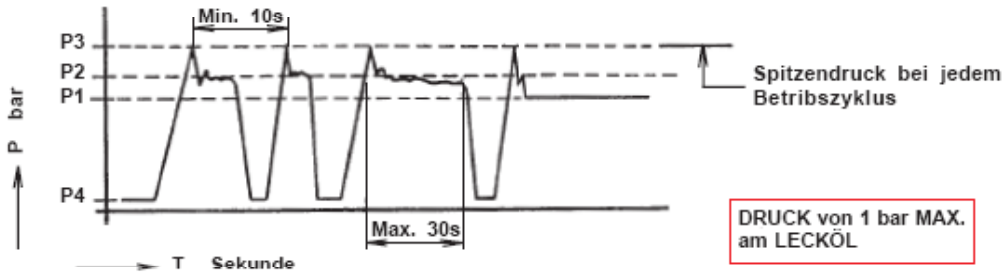
Filtrierung: 10 bis 15 Mikrons bei vollem Ölstrom an der Druckseite der Pumpe oder am Rücklauf der Anlage. MAX.DRUCK:

Für die MOTOREN mit 1 Drehrichtung (M1 / M2) darf der Druck am Ausgang 1 bar nicht überschreiten. Für die MOTOREN mit 1 Drehrichtung (M5 / M6) darf der Druck in der Leckölleitung 1 bar nicht überschreiten. Für die MOTOREN mit 2 Drehrichtungen (M3) darf der Druck in der Leckölleitung 1 bar nicht überschreiten. Für alle Betriebsbedingungen, die höher sind als o.a. Zyklen, oder bei Übertragung des Drehmoments durch Riemen, Kette oder Zahnräder, bitten wir um Rücksprache mit unserer Verkaufsabteilung (Versuche wurden mit Oil SHELL Tellus T46 gefahren).

O.a. Kennwerte gelten für Motoren, die ihr Drehmoment durch eine einwandfrei fluchtende elastische Kupplung ohne äusseren Radial und Axialkräfte am Motor übertragen.

Aus dem nachstehenden Diagramm sind die Höchstdrücke für jedes Motorenmodell ersichtlich

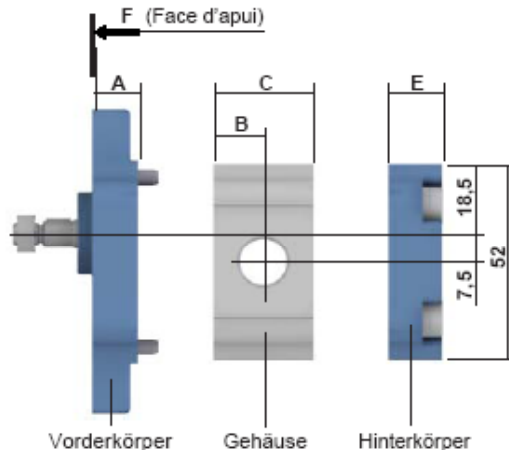
- P1 Max. Dauerdruck
- P2 Max. Betriebsdruck (Kurzzeilig)
- P3 Maximal Zulässiger Spitzendruck
- P4 Druck am Motransgang  $\Sigma$  P ( Nur in M3 )



Vorderkörper:	A
AAN / <b>AAK</b> - DCN / <b>DCK</b>	12

Gehäusen (Fördervolumen):	B	C
<b>0050 - 0075</b>	13,2	26,4
<b>0100 - 0125 - 0150</b>	16,4	32,8
<b>0200</b>	20,6	41,2

Hinterkörper:	E
<b>L</b>	14



Auf Anfrage verfügbar

**M** III Zeichen III Zeichen IV Zeichen **O** VI Zeichen VII Zeichen VIII Zeichen IX Zeichen X Zeichen XI Zeichen XII Zeichen

Für BEZEICHNUNG, siehe datenblatt **F.T.R 0243**

DREHRICHTUNG (II Zeichen)					FLACHER VORDERKÖRPER (III und IV Zeichen)		FÖRDER- VOLUMEN (V und VI Zeichen)	GEHÄUSE (VII Zeichen)	HINTER- KÖRPER (VIII Zeichen)	ARBRES D' ENTRAINEMENT (IX , X und XI Zeichen)	
M 1	M 2	M 3	M 5	M 6				F	L	ZYLINDRISCH 20	MITNEH- MERZAPFEN 40

X	X	X	X	X	  <b>AAN / AAK</b>	0050			 20 B01	 40 C01 40 C15
X	X	X	X	X		  <b>DCN / DCK</b>				

**LEGENDEN**

**SENS de ROTATION**

P1 = Rechts  
P2 = Links

**VORDERKÖRPER**

AA\* = Befestigung SAE und ISO  
DC\* = Fixation Allemande

**GEHÄUSE**

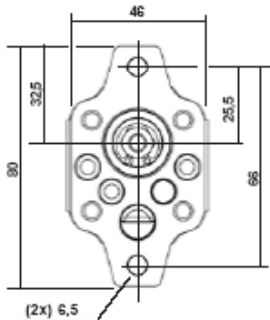
F = Gewindebohrungen

**HINTERKÖRPER**

L = Standard

**VORDERKÖRPER**

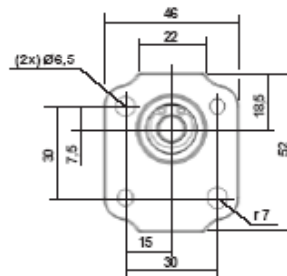
**AAN / AAK**



Zentrierung:  $\varnothing 22 \begin{matrix} -0,02 \\ -0,041 \end{matrix}$   
Dicke: 4

AAN : F.T 00 1421  
AAK : F.T 00 1422

**DCN / DCK**



Zentrierung:  $\varnothing 22 \begin{matrix} -0,02 \\ -0,041 \end{matrix}$   
Dicke: 4

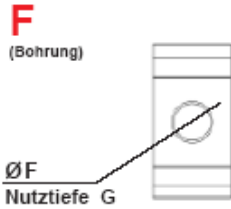
DCN : F.T 00 1423  
DCK : F.T 00 1424



Auf Anfrage verfügbar



LOCHBILD der FLANSCHANSCHLÜSSE



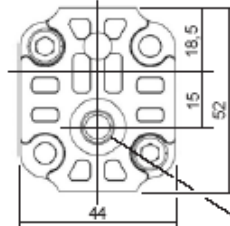
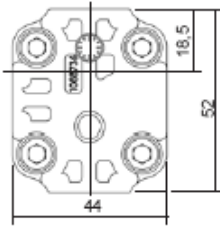
Förder- volumen	ZULAUF					ABLAUF				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
<b>0050 bei 0200</b>				M14 x150	12				M14 x150	12

VORDERKÖRPER

MOTOREN M1 - M2

MOTOREN M3 - M5 - M6

**L**  
Standard



Leckklanschluss R 1/8" Nutztiefe 7 für  
Motor mit 2 Drehrichtungen oder mit 1  
Drehrichtung nel betrieb mit Gegendruck  
In der Rücklauföffnung

Max. anzugsdrehmoment des Anschlusses

**30<sup>+5</sup><sub>0</sub> N.m**

ANTRIEBSWELLEN

Könisch

Zylindrisch

Zahnwellen Profil

Mitnehmerzapfen

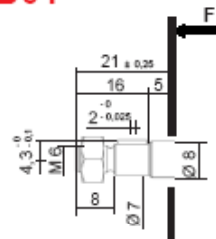
**10**

**20**

**30**

**40**

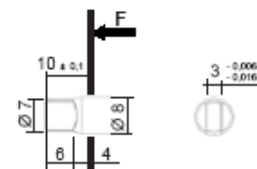
**B01**



Geliefert mit Mutter Ref.: K108326

**Maximale übertragbares  
Drehmoment  
5 N.m**

**C01**



**Maximale übertragbares  
Drehmoment  
6 N.m**



Auf Anfrage verfügbar

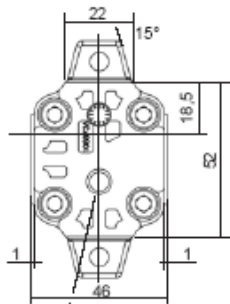


**SERIES O TYPE AAN**



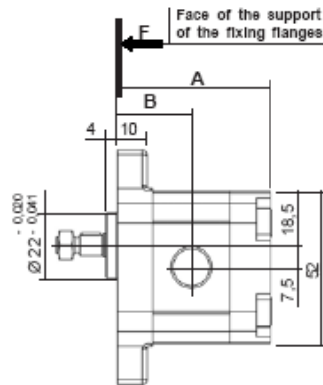
**M** II Sign **AA** **N** **O** VI Sign **F** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

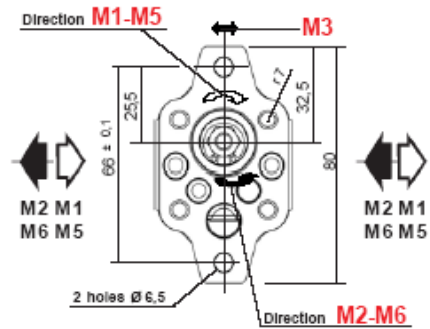


Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **30 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



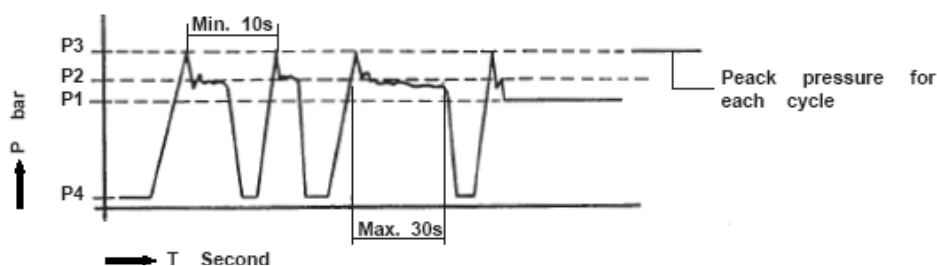
CHOICE of the Capacity	Dimensions	
	A	B
0050	52,6	25,2
0075		
0100	59	28,4
0125		
0150		
0200	67,5	32,6

**Seal kits:**  
**M1 - M2**  
Nitrile: **K5073819** Viton: **K5073820**  
(For manufacture to since march 1991)  
**M3 - M5 - M6**  
Nitrile: **K5071063** Viton: **K5071064**  
(For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 <sup>220 bar</sup>	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 <sup>200 bar</sup>	5000	
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 <sup>150 bar</sup>	1500 <sup>200 bar</sup>	3500	0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 <sup>150 bar</sup>	1500 <sup>200 bar</sup>	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 <sup>150 bar</sup>	1500 <sup>200 bar</sup>	3000	0,50

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet & P (Only in M3)



**SERIES O TYPE AAN**

**CHOICE of the IMPLANTATION of PORTS**

**F**  
(Threaded)

$\varnothing F$   
effective  
depth G



Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

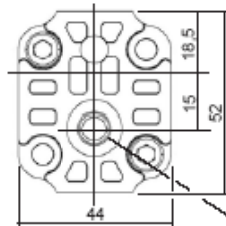
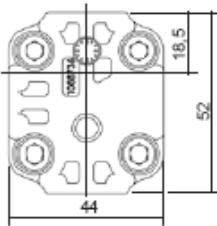
**REAR BODY**

MOTORS M1 - M2

MOTORS M3 - M5 - M6

**L**

Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**

**DRIVING SHAFTS**

Tapered

**10**

Straight keyed

**20**

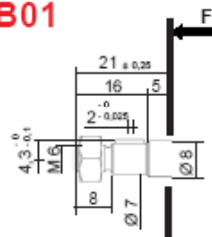
Splinned

**30**

Tang

**40**

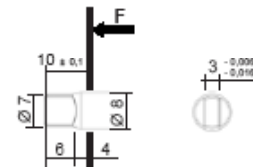
**B01**



Delivered with Nut Ref.: K108328

Maxi transmissible torque  
**5 N.m**

**C01**



Maxi transmissible torque  
**6 N.m**

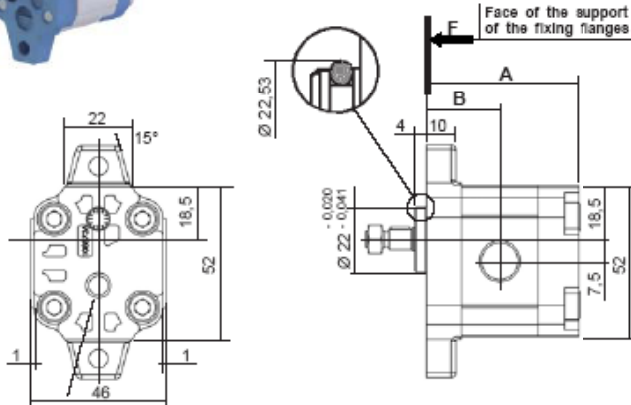


**SERIES O TYPE AAK**



**M** II Sign **AAK** O VI Sign **FL** IX Sign X Sign XI Sign XII Sign

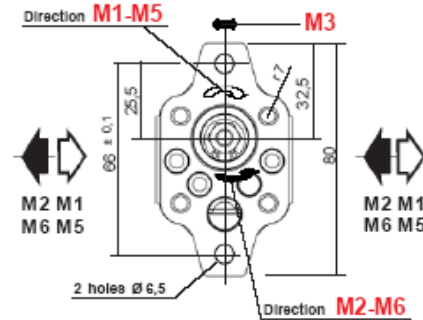
For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **30 N.m**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



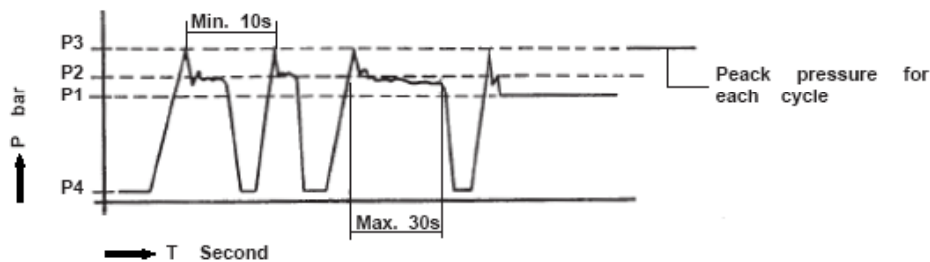
CHOICE of the Capacity	Dimensions	
	A	B
0050	52,6	25,2
0075		
0100	59	28,4
0125		
0150		
0200	67,5	32,6

**Seal kits:**  
**M1 - M2**  
Nitrile: K5073819 + K100256  
Viton: K5073820 + K105494  
(For manufacture to since march 1991)  
**M3 - M5 - M6**  
Nitrile: K5071063 + K100256  
Viton: K5071064 + K105494  
(For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 <sup>220 bar</sup>	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 <sup>200 bar</sup>	5000	
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000	150 bar	3500	0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000	150 bar	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000	150 bar	3000	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet & P (Only in M3)



Consult us for availability



**SERIES 0 TYPE AAK**

CHOICE of the IMPLANTATION of PORTS

**F**  
(Threaded)

$\varnothing F$   
effective  
depth G



Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

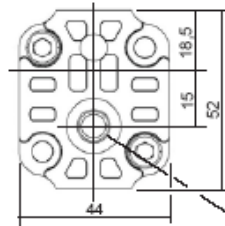
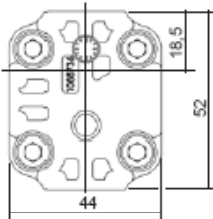
REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

**L**

Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**

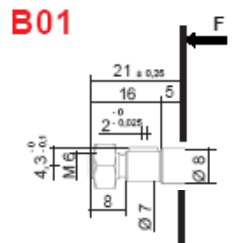
DRIVING SHAFTS

Tapered  
**10**

Straight keyed  
**20**

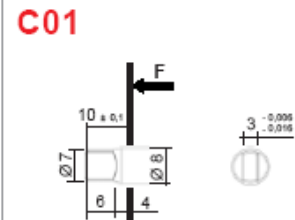
Splinned  
**30**

Tang  
**40**



Delivered with Nut Ref.: K108328

Maxi transmissible torque  
**5 N.m**



Maxi transmissible torque  
**6 N.m**



Consult us for availability

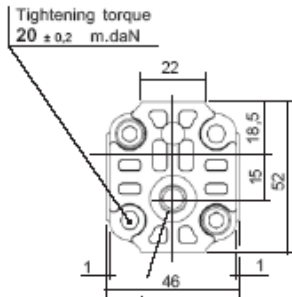


**SERIES O TYPE DCN**



**M** II Sign **DCN0** I VI Sign **FL** IX Sign X Sign I XI Sign XII Sign

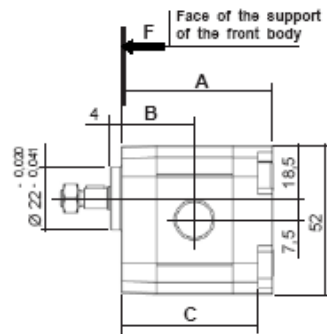
For CODIFICATION, see data sheet **F.T.R 0243**



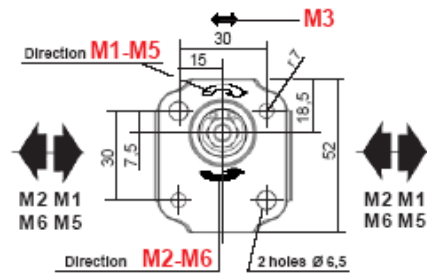
Tightening torque  
**20 ± 0.2 m.daN**

Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



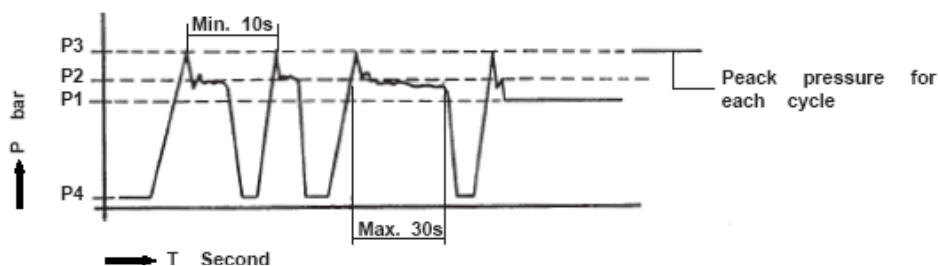
CHOICE of the Capacity	Dimensions		
	A	B	C
0050			
0075	52,6	25,2	46
0100			
0125	59	28,4	52,5
0150			
0200	67,5	32,6	70

**Seal kits:**  
**M1 - M2**  
Nitrile: **K5073819** Viton: **K5073820**  
(For manufacture to since march 1991)  
**M3 - M5 - M6**  
Nitrile: **K5071063** Viton: **K5071064**  
(For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 <sup>220</sup> bar	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 <sup>200</sup> bar	5000	
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 <sup>150</sup> bar	1500 <sup>200</sup> bar	3500	0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 <sup>150</sup> bar	1500 <sup>200</sup> bar	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 <sup>150</sup> bar	1500 <sup>200</sup> bar	3000	0,50

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ε P (Only in M3)



**SERIES 0 TYPE DCN**

CHOICE of the IMPLANTATION of PORTS

**F**  
(Threaded)

$\varnothing F$   
effective  
depth G



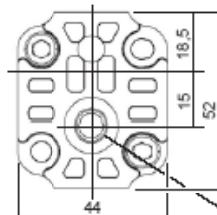
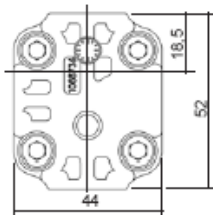
Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

**L**  
Standard



Drain port: 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**

DRIVING SHAFTS

Tapered

**10**

Straight keyed

**20**

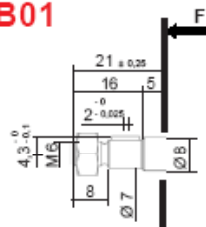
Splinned

**30**

Tang

**40**

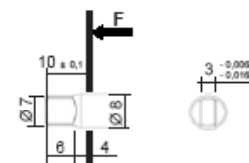
**B01**



Delivered with Nut Ref.: K108328

Maxi transmissible torque  
**5 N.m**

**C01**



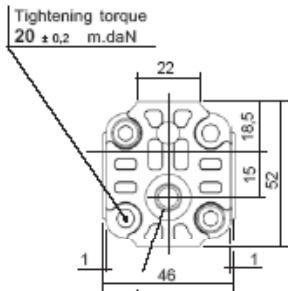
Maxi transmissible torque  
**6 N.m**



SERIES O TYPE DCK



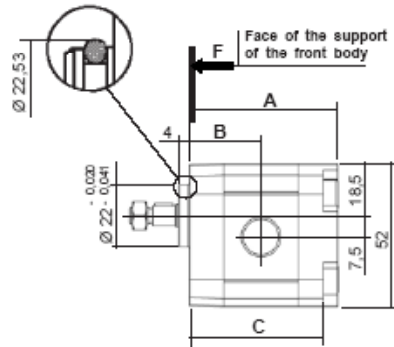
**M** II Sign **DC** **K** **O** VI Sign **F** **L** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



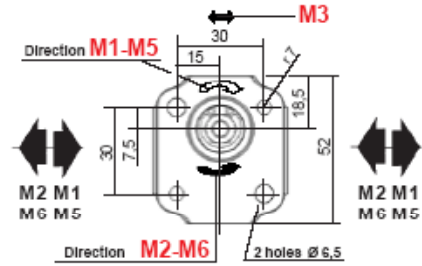
Tightening torque  
**20 ± 0.2 m.daN**

Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



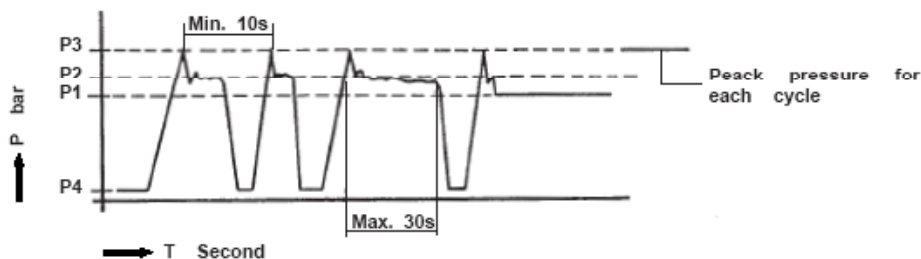
CHOICE of the Capacity	Dimensions		
	A	B	C
0050	52,6	25,2	46
0075			
0100	59	28,4	52,5
0125			
0150			
0200	67,5	32,6	70

**Seal kits:**  
**M1 - M2**  
 Nitrile: K5073819 + K100256  
 Viton: K5073820 + K105434  
 (For manufacture to since march 1991)  
**M3 - M5 - M6**  
 Nitrile: K5071063 + K100256  
 Viton: K5071064 + K105434  
 (For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 <sup>220 bar</sup>	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 <sup>200 bar</sup>	5000	
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3000	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet & P (Only in M3)



Consult us for availability



**SERIES 0 TYPE DCK**

**CHOICE of the IMPLANTATION of PORTS**

**F**  
(Threaded)

$\varnothing F$   
effective  
depth G



Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

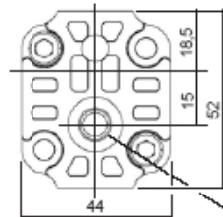
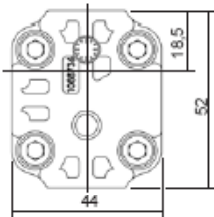
**REAR BODY**

MOTORS M1 - M2

MOTORS M3 - M5 - M6

**L**

Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 N.m**

**DRIVING SHAFTS**

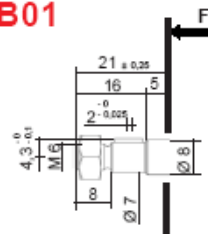
Tapered  
**10**

Straight keyed  
**20**

Splined  
**30**

Tang  
**40**

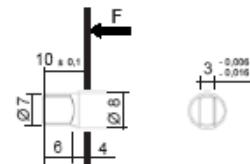
**B01**



Delivered with Nut Ref.: K108328

Maxi transmissible torque  
**5 N.m**

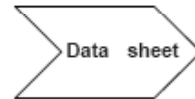
**C01**



Maxi transmissible torque  
**6 N.m**

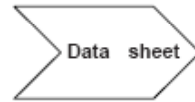
Consult us for availability

MOTORS PRESENTATION  
SERIES 1



F.T 10 1425

MOTOR **AAN**



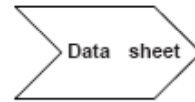
F.T 10 1426

MOTOR **AAK**



F.T 10 1427

MOTOR **BAN**



F.T 10 1428

MOTOR **CBN**



F.T 10 1429

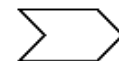
MOTOR **CBK**



F.T 10 1430



Consult us for availability



**JTEKT**  
**HPI**

MOTOR

**DCN**



F.T 10 1431

MOTOR

**DCK**



F.T 10 1432

## MAIN CHARACTERISTICS SERIES 1

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>1002</b>	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
<b>1003</b>	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
<b>1004</b>	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 <sup>200 bar</sup>	6000	1,1
<b>1005</b>	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 <sup>175 bar</sup>		5000	
<b>1006</b>	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 <sup>175 bar</sup>		4500	

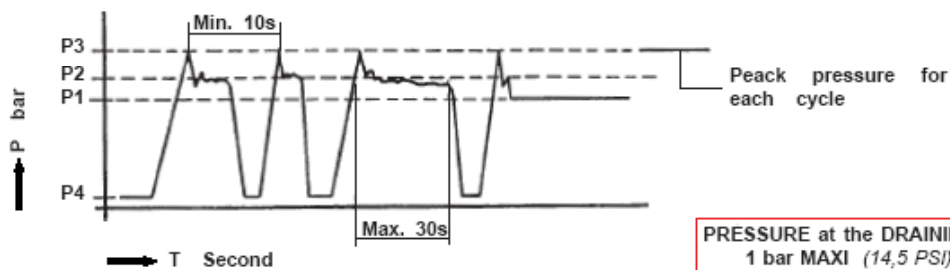
The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 65,2 and 700 SUS..  
 The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit.  
 Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).  
 Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.

**MAXIMUM PRESSURE:**

For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.  
 For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.  
 For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.  
 For the working conditions exceeding the above mentioned cycles or in case of torque transmission by drivin belt, chain or toothed wheel, please contact our sales department.  
 (The tests are effected with the oil SHELL Tellus T 46)  
 The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

On the hereunder indicated diagram, the maximum duty pressure are the following.

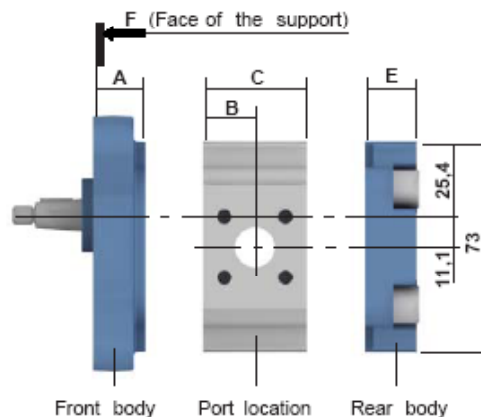
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Front bodies:	A
<b>AAN / AAK - BAN - CBN / CBK</b>	18
<b>DCN - DCK</b>	

Port location (Capacity):	B	C
<b>1001 - 1002 - 1003</b>	17,9	35,8
<b>1004 - 1005 - 1006</b>	22,7	45,6

Rear bodies:	E
<b>L - A -</b>	18



Consult us for availability

# MAIN CHARACTERISTICS SERIES 1

<b>M</b>	II	III	IV	<b>1</b>	VI	VII	VIII	IX	X	XI	XII
Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign

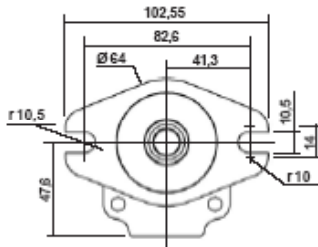
For CODIFICATION, see data sheet **F.T.R.0243**

DIRECTION of ROTATION (I Sign)	FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VI Sign)	REAR BODIES (VIII Sign)	TAPERED	STRAIGHT KEYS	SPLINED	TANG
M1   M2   N3   M3   M6	AAN / <b>AAK</b>	1002 1003 1004 1005 1006	C   F   X	I   A	10 B01 <b>10 C01</b>	20 C01	30 C01	<b>40 F01</b> 40 C02
X	<b>3AN</b>							
X	<b>CBN / CBK</b>							
X	<b>DCN / DCK</b>							

**LEGENDES**

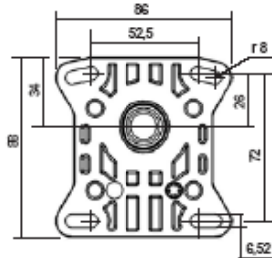
- |  |  |   |  |
|--|--|---|--|
| <p><b>DIRECTION of ROTATION</b></p> <p>M1 = Clockwise<br/> M2 = Anti clockwise<br/> M3 = 2 Direction with Counter Pressure<br/> M5 = 1 Direction with Counter Pressure<br/> M6 = 1 Direction with Counter Pressure</p> | <p><b>FRONT BODIES</b></p> <p>AA+ = Fixing SAE and ISO<br/> BA+ = Fixing English and Italian<br/> CB+ = Fixing French<br/> DC+ = Fixing German</p> | <p><b>PORT LOCATION</b></p> <p>C = Square location<br/> F = Threaded ports<br/> X = without ports</p> | <p><b>REAR BODIES</b></p> <p>L = Standard<br/> A = with rear ports</p> |
|--|--|---|--|

## FRONT BODIES

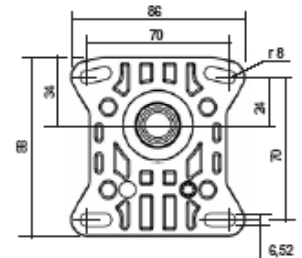
**AAN / AAK**

Centering:  $\varnothing 50,8^{+0,05}$   
 Thickness: 6  
 AAN: F.T 10 1294

**AAK: F.T 10 1326**

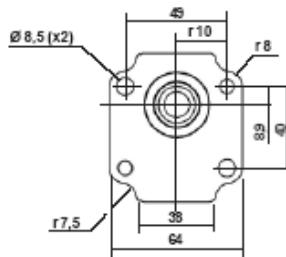
**BAN**

Centering:  $\varnothing 25,35^{+0,02}_{-0,04}$   
 Thickness: 4  
 BAN: F.T 10 1295

**CBN / CBK**

Centering:  $\varnothing 35^{+0,05}_{-0,05}$   
 Thickness: 4  
 CBN: F.T 10 1296

**CBK: F.T 10 1327**

**DCN / DCK**

Centering:  $\varnothing 32^{+0,025}_{-0,05}$   
 Thickness: 4  
 DCN: F.T 10 1297

**DCK: F.T 10 1328**



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

	Capacity	DIMENSIONS								AFFECTATION					
		INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure <b>M1</b>		pressure <b>M2</b>		2 ways rotation with counter pressure	
		ØC	D	ØF	G	ØC	D	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE	<b>M3</b>	
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p><b>C</b> (Square)</p> <p>Ø F effective depth G</p> </div> </div>	1002														
	1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1004 to 1006														
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p><b>F</b> (Threaded)</p> <p>Ø F effective depth G</p> </div> </div>	1002			3/8" BSP	12			3/8" BSP	12						
	1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p><b>X</b> (with ports)</p> </div> </div>	1002 to 1006	Only with rear body Type A													

**REAR BODIES**

**L**  
Standard

Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**35 N.m**

**A**  
Rear ports

(4x) M6  
prof. utile 9,5

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**30 <sup>+5</sup>/<sub>0</sub> N.m**

**DRIVING SHAFTS**

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B01</b> Taper 1 / 8</p> <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> <b>40 N.m</b></p>	<p><b>C01</b></p> <p><u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p><b>C01</b></p> <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p><b>A01</b></p> <p><u>Max. transmissible torque</u> <b>30 N.m</b></p>
<p><b>C01</b> Taper 1 / 5</p> <p>Delivered with nut: K105990</p> <p><u>Max. transmissible torque</u> <b>50 N.m</b></p>			<p><b>C02</b></p> <p><u>Max. transmissible torque</u> <b>30 N.m</b></p>

■ Consult us for availability

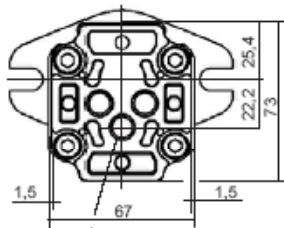


**SERIES 1 TYPE AAN**



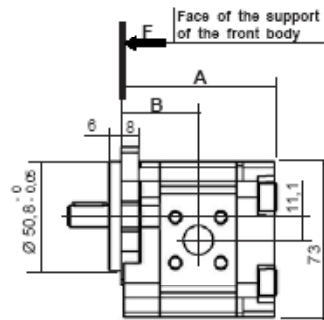
**M** II Sign **AA** N 1 VI Sign VII Sign **L** IX Sign X Sign XII Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

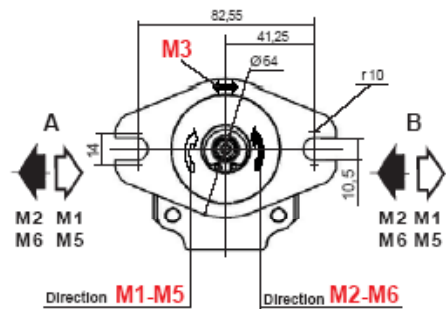


Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



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

Seal kits:

**M1 - M2**

Nitrile: K5074037 Viton: K5074038  
(For manufacture to since October 1991)

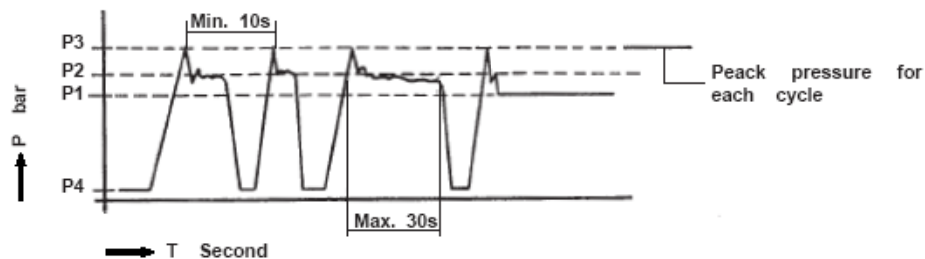
**M3 - M5/M6**

Nitrile: K5070976 Viton: K5070977  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 200 bar	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 175 bar	1200 175 bar	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 175 bar	1200 175 bar	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

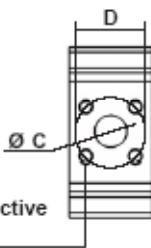

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



SERIES 1 TYPE AAN

CHOICE of the IMPLANTATIONS of PORTS

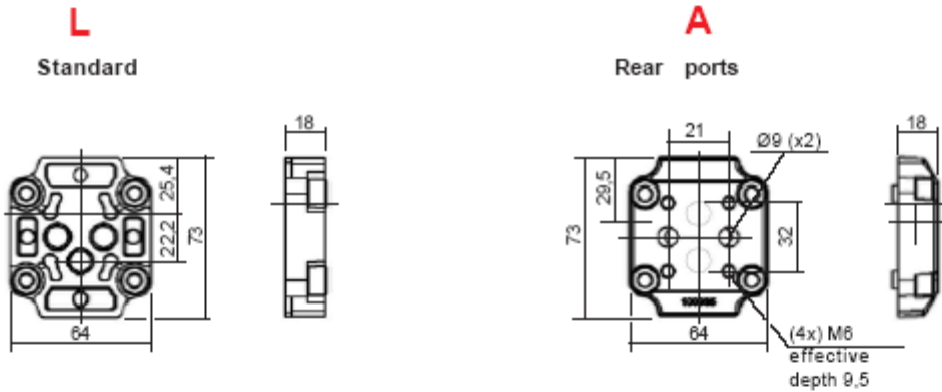
Port connector, see our Catalogue N° 70

Capacity	DIMENSIONS								AFFECTATION						
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure				2 ways rotation with counter pressure		
									M1		M2				
	ØC	D	ØF	G	ØC	D	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE	M3		
								M5		M6		INLET	OUTLET		
<b>C</b> (Square)  Ø F effective depth G	1002														
	1003														
	1004 to 1006	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
<b>F</b> (Threaded)  ØF effective depth G	1002														
	1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports) 	1002 to 1006	Only with rear body Type A													

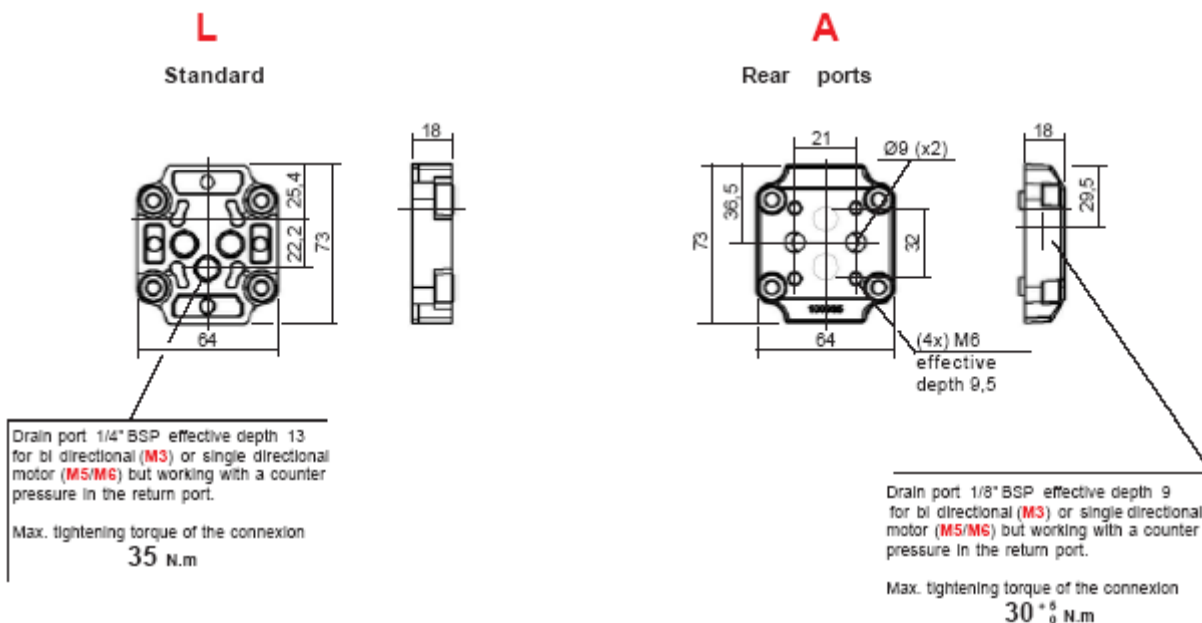
**SERIES 1 TYPE AAN**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**



**MOTORS M3 - M5 - M6 (with drain)**



SERIES 1 TYPE AAN

DRIVING SHAFTS

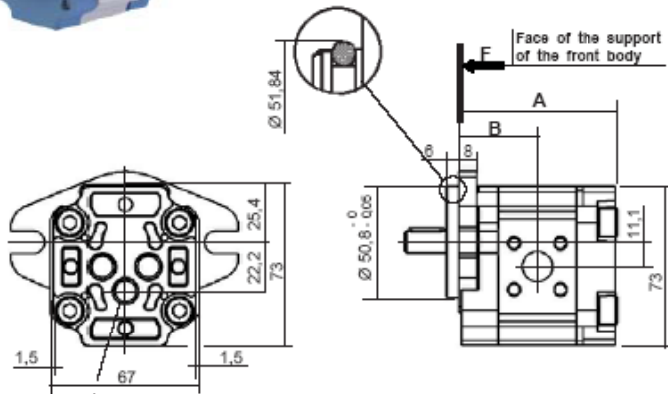
Tapered	Straight keyed	Splined	Tang
10	20	30	40
<p><b>B01</b> Taper 1 / 8</p> <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> 40 N.m</p>	<p><b>C01</b></p> <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>C01</b></p> <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455</p> <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>A01</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p>
<p><b>C01</b> Taper 1 / 5</p> <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> 50 N.m</p>			<p><b>C02</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p>

**SERIES 1 TYPE AAK**

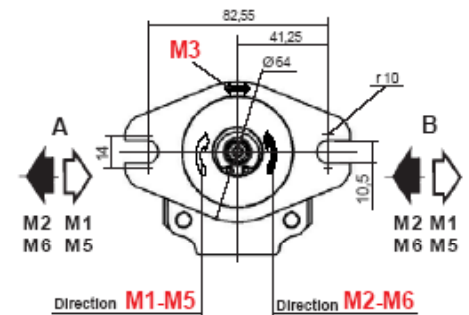


**M** II Sign **AAK** **1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**

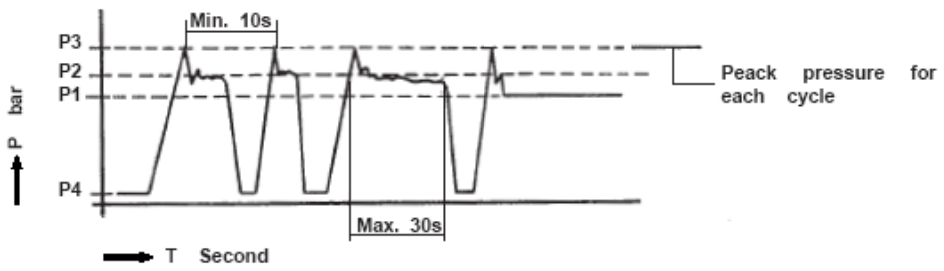
CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

**Seal kits:**  
**M1 - M2**  
Nitrile: K5070976 + K102539  
Viton: K5070977 + K107116  
(For manufacture to since March 1985)  
**M3 - M5/M6**  
Nitrile: K5070976 + K102539  
Viton: K5070977 + K107116  
(For manufacture to since March 1985)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 200 bar	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 175 bar	5000	4500	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 175 bar	4500	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



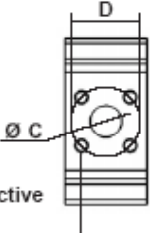


Consult us for availability



SERIES 1 TYPE AAK

CHOICE of the IMPLANTATIONS of PORTS

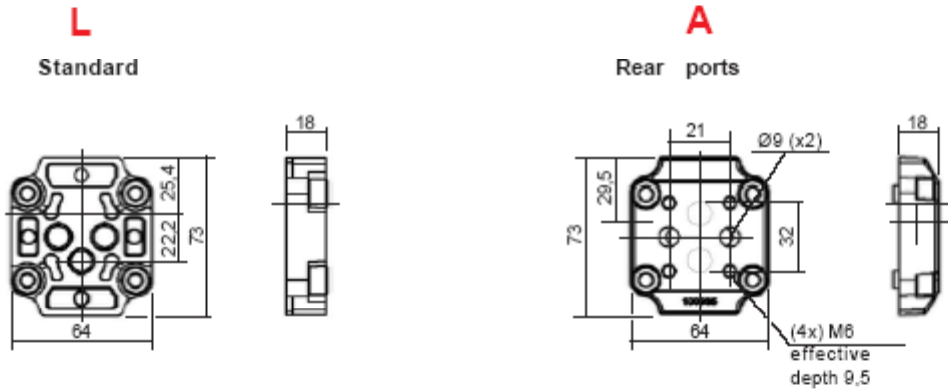
Port connector, see our Catalogue N° 70

Capacity	DIMENSIONS								AFFECTATION						
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure				2 ways rotation with counter pressure		
	ØC	D	ØF	G	ØC	D	ØF	G	M1		M2		M3		
									ENTREE	SORTIE	ENTREE	SORTIE			
								1 way rotation with counter pressure							
								M5		M6					
								INLET	OUTLET	INLET	OUTLET	INLET	OUTLET		
<b>C</b> (Square)   Ø F effective depth G	1002														
	1003														
	1004 to 1006	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
<b>F</b> (Threaded)   ØF effective depth G	1002														
	1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports)  	1002 to 1006	Only with rear body Type A													

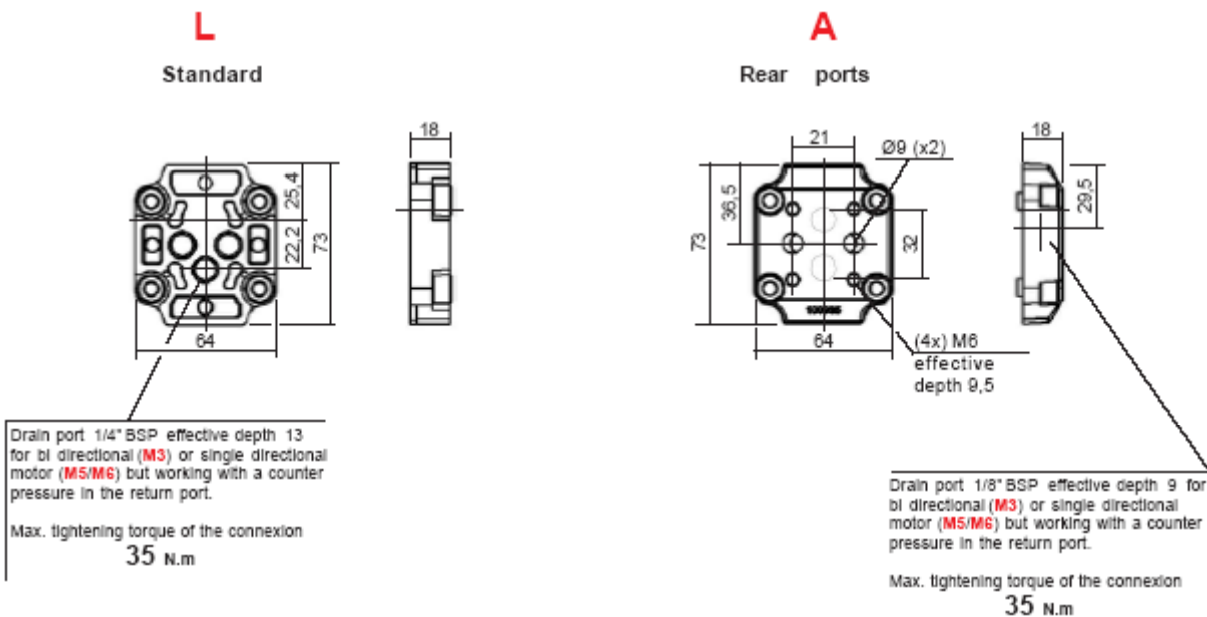
**SERIES 1 TYPE AAK**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**

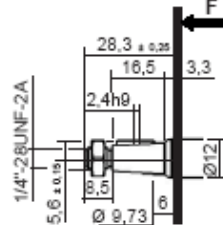
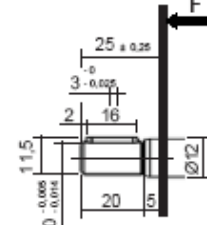
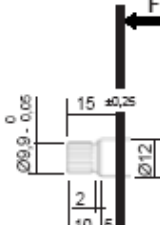
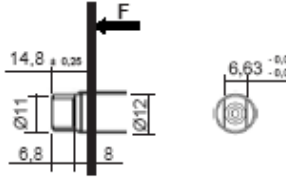
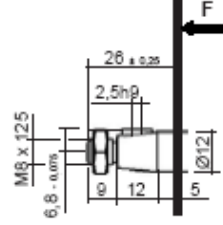
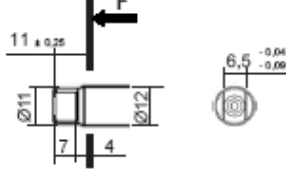


**MOTORS M3 - M5 - M6 (with drain)**



SERIES 1 TYPE AAK

DRIVING SHAFTS

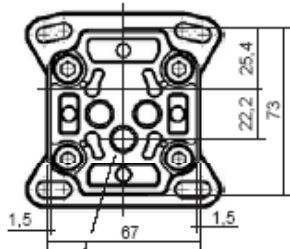
Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B01</b> Taper 1 / 8</p>  <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> 40 N.m</p>	<p><b>C01</b></p>  <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>C01</b></p>  <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> 25 N.m</p>	<p><b>A01</b></p>  <p><u>Max. transmissible torque</u> 30 N.m</p>
<p><b>C01</b> Taper 1 / 5</p>  <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> 50 N.m</p>			<p><b>C02</b></p>  <p><u>Max. transmissible torque</u> 30 N.m</p>

**SERIES 1 TYPE BAN**



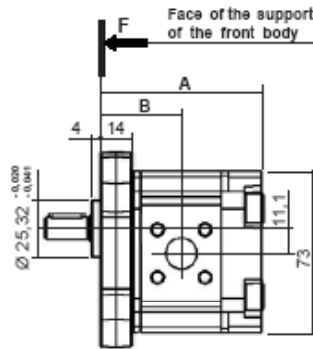
**M** II Sign **BAN 1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

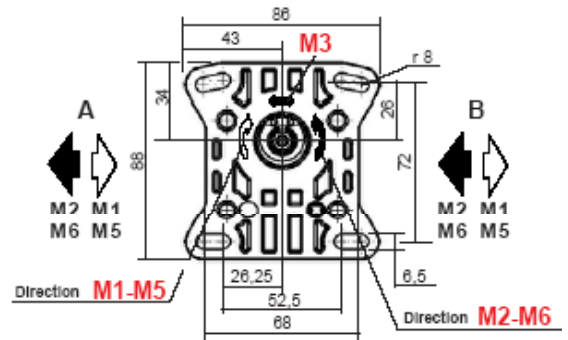


Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSION at the DRAINING:**  
1 bar MAXI (14,5 PSI)



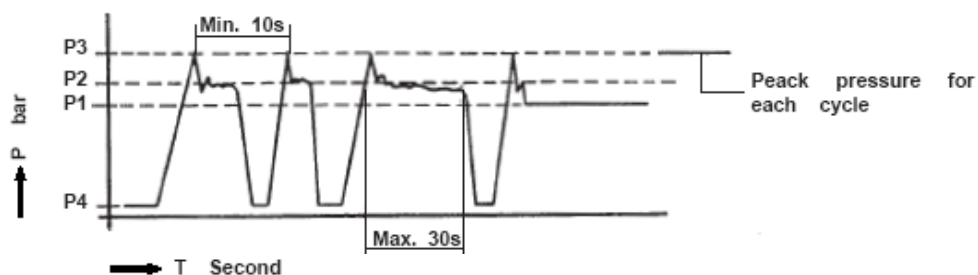
CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

**Seals kits:**  
**M1 - M2**  
Nitrile: K5074037 Viton: K5074038  
(For manufacture to since October 1991)  
**M3 - M5/M6**  
Nitrile: K5070976 Viton: K5070977  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg	
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9	
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000		
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200	200 bar	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900	175 bar	5000		
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900	175 bar	4500		

On the hereunder indicated diagram, the maximum duty pressure are the following.

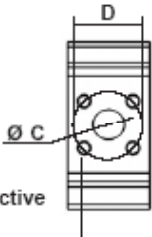


- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



## SERIES 1 TYPE BAN

CHOICE of the IMPLANTATIONS of PORTS

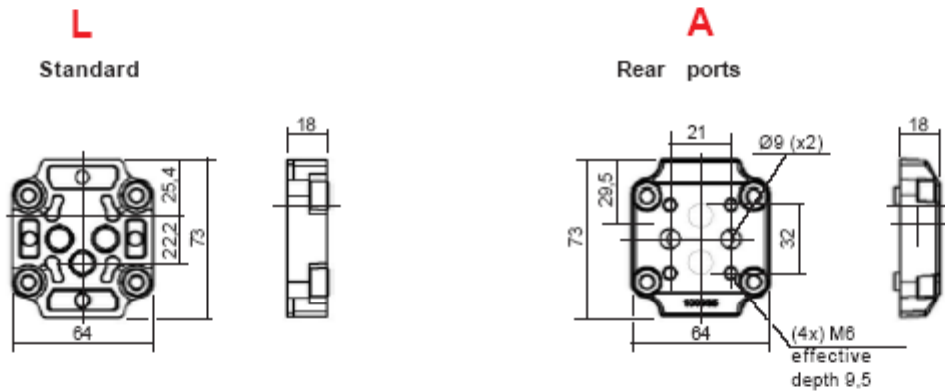
Port connector, see our Catalogue N° 70

Capacity	DIMENSIONS								AFFECTATION						
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure			2 ways rotation with counter pressure			
	ØC	D	ØF	G	ØC	D	ØF	G	M1		M2		M3		
									ENTREE	SORTIE	ENTREE	SORTIE			
		1 way rotation with counter pressure													
		M5		M6											
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
<b>C</b> (Square)  Ø F effective depth G	1002	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1003														
	1004 to 1006														
<b>F</b> (Threaded)  ØF effective depth G	1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1003														
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports) 	1002 to 1006	Only with rear body Type A													

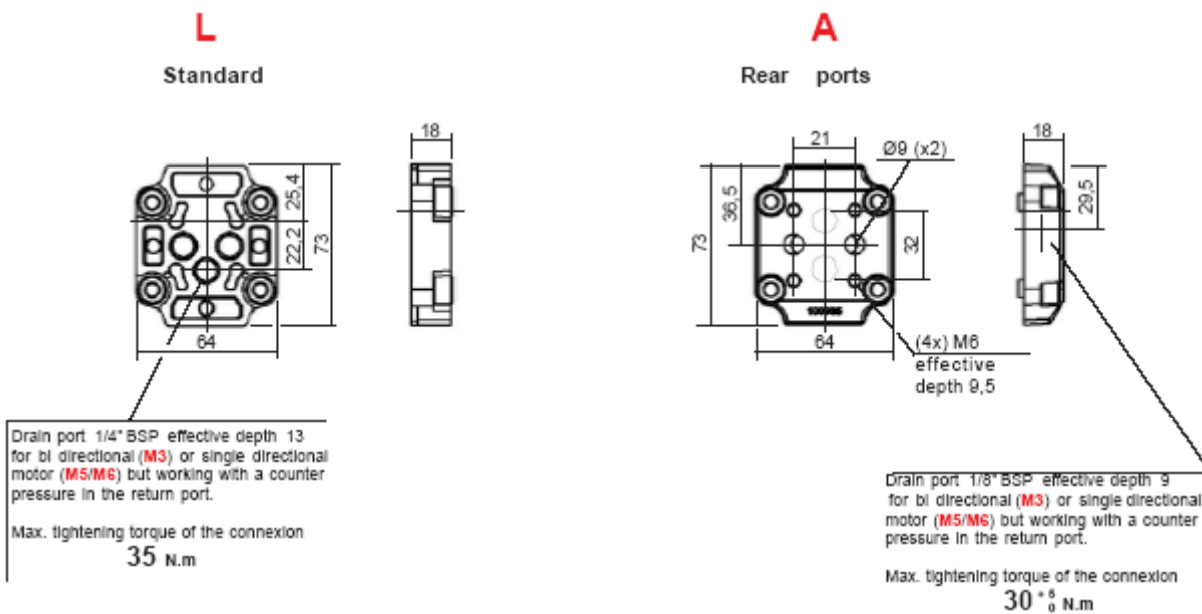
**SERIES 1 TYPE BAN**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**

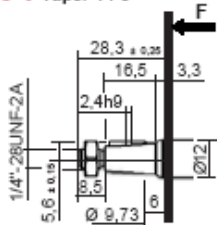
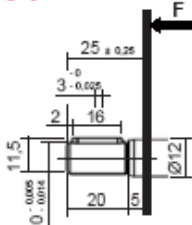
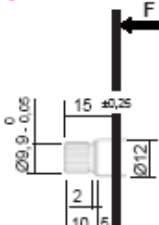
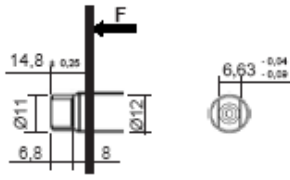
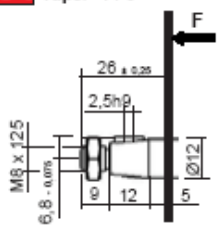
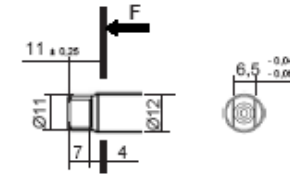


**MOTORS M3 - M5 - M6 (with drain)**



**SERIES 1 TYPE BAN**

**DRIVING SHAFTS**

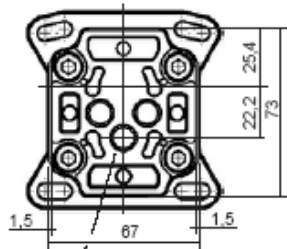
Tapered	Straight keyed	Splined	Tang
10	20	30	40
<p><b>B01</b> Taper 1 / 8</p>  <p>Delivered with nut: K101719</p>	<p><b>C01</b></p> 	<p><b>C01</b></p> 	<p><b>A01</b></p> 
<p><u>Max. transmissible torque</u> <b>40 N.m</b></p>	<p><u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p><u>Max. transmissible torque</u> <b>30 N.m</b></p>
<p><b>C01</b> Taper 1 / 5</p>  <p>Delivered with nut: K105890</p>			<p><b>C02</b></p> 
<p><u>Max. transmissible torque</u> <b>50 N.m</b></p>			<p><u>Max. transmissible torque</u> <b>30 N.m</b></p>

**SERIES 1 TYPE CBN**

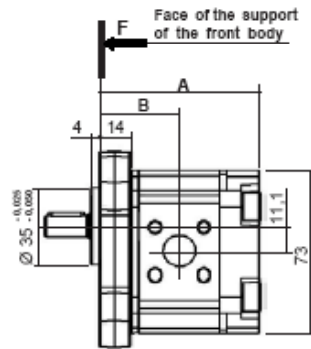


**M** II Sign **CB N 1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

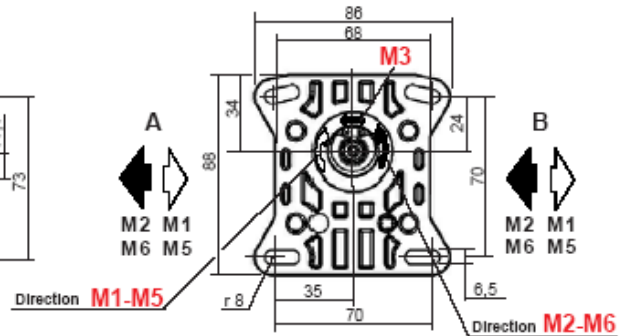
For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



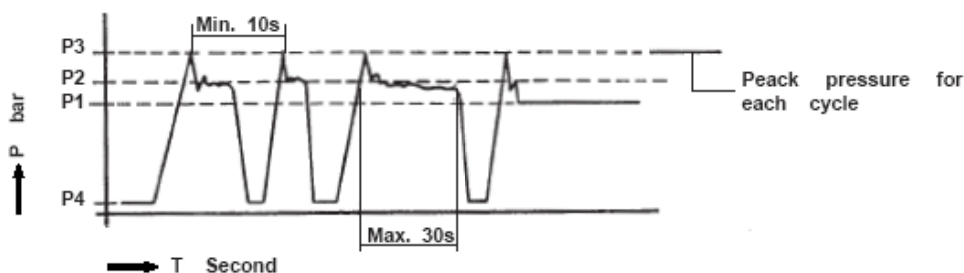
CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

**Seals kits:**  
**M1 - M2**  
Nitrile: K5074037 Viton: K5074038  
(For manufacture to since October 1991)  
**M3 - M5/M6**  
Nitrile: K5070976 Viton: K5070977  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 200 bar	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 175 bar	5000		
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 175 bar	4500		

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



**SERIES 1 TYPE CBN**

**CHOICE of the IMPLANTATIONS of PORTS**

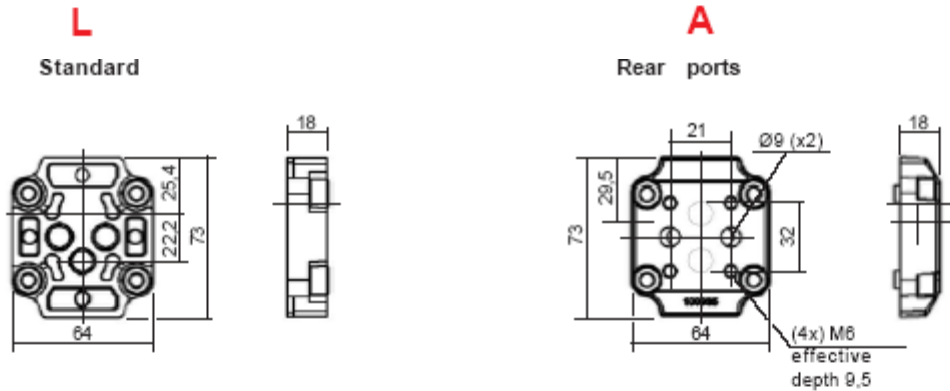
Port connector, see our Catalogue N° 70

	Capacity	DIMENSIONS								AFFECTATION					
		INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
		ØC	D	ØF	G	ØC	D	ØF	G	M1 ENTREE	M2 SORTIE	M5 INLET	M6 OUTLET	M3 INLET	M3 OUTLET
<b>C</b> (Square)  	1002	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1003														
	1004 to 1006														
<b>F</b> (Threaded)  	1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1003														
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports)  	1002 to 1006	Only with rear body Type A													

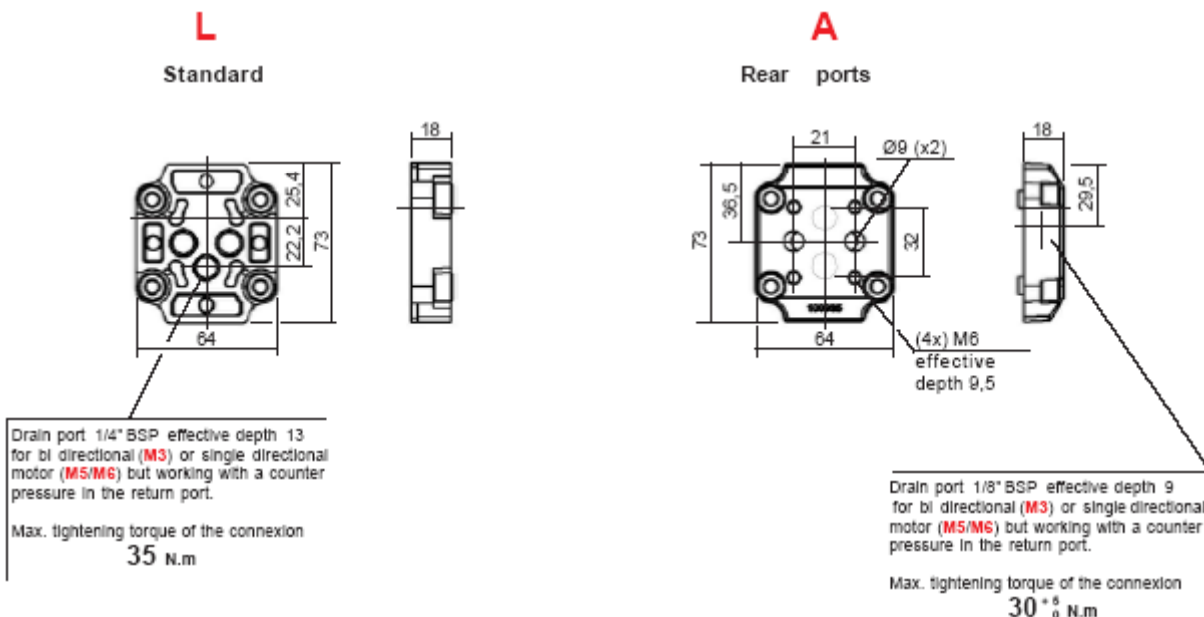
**SERIES 1 TYPE CBN**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**



**MOTORS M3 - M5 - M6 (with drain)**



SERIES 1 TYPE CBN

DRIVING SHAFTS

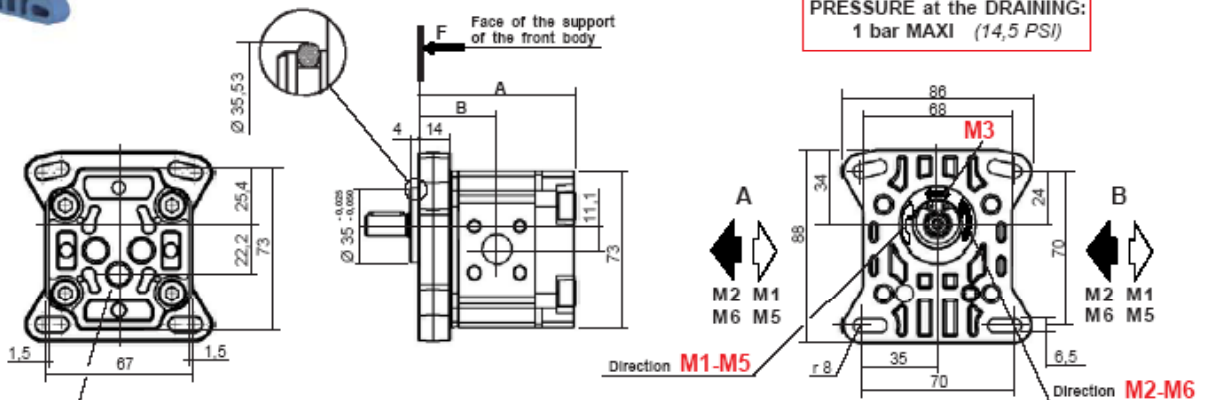
Tapered	Straight keyed	Splined	Tang
10	20	30	40
<p><b>B01</b> Taper 1 / 8</p> <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> 40 N.m</p> <p><b>C01</b> Taper 1 / 5</p> <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> 50 N.m</p>	<p><b>C01</b></p> <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>C01</b></p> <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> 25 N.m</p>	<p><b>A01</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p> <p><b>C02</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p>

SERIES 1 TYPE CBK



**M** II Sign **CBK** **1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



CHOICE of the Capacity	Dimensions	
	A	B
<b>1002</b> <b>1003</b>	71,8	35,9
<b>1004</b> <b>1005</b> <b>1006</b>	81,5	40,7

**Seals kits:**

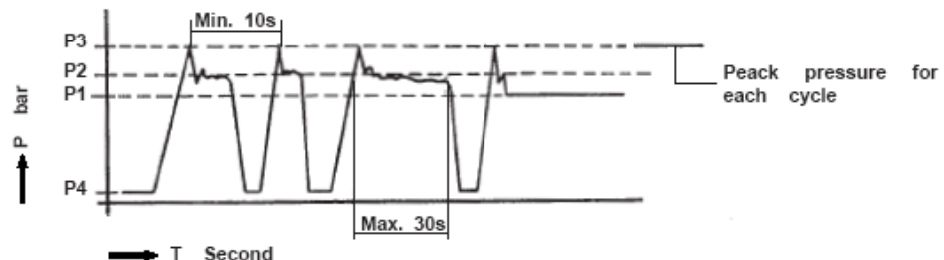
**M1 - M2**  
Nitrile: K5074037 + K100240  
Viton: K5074038 + K103279  
(For manufacture to since October 1991)

**M3 - M5/M6**  
Nitrile: K5070976 + K100240  
Viton: K5070977 + K103279  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>1002</b>	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
<b>1003</b>	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
<b>1004</b>	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200	6000	1,1
<b>1005</b>	5,12	125	1812	150	2175	175	2537	3500	4500	500	900	1200	5000	
<b>1006</b>	6,14	125	1812	140	2030	175	2537	3000	4000	500	900	1200	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 1 TYPE CBK**

**CHOICE of the IMPLANTATIONS of PORTS**

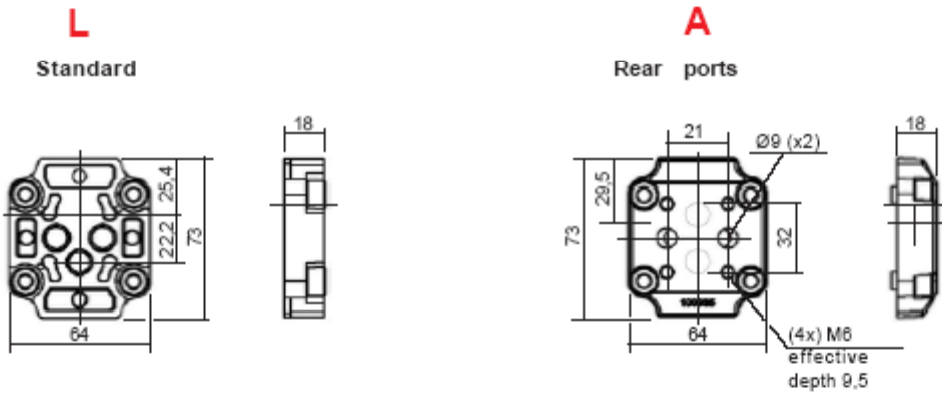
Port connector, see our Catalogue N° 70

Capacity	DIMENSIONS								AFFECTATION						
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure <b>M1</b>		1 way rotation with counter pressure <b>M5</b>		2 ways rotation with counter pressure <b>M3</b>		
	ØC	D	ØF	G	ØC	D	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET	
									INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
<b>C</b> (Square)   Ø F effective depth G	1002														
	1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1004 to 1006														
<b>F</b> (Threaded)   ØF effective depth G	1002														
	1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports)  	1002 to 1006	Only with rear body Type A													

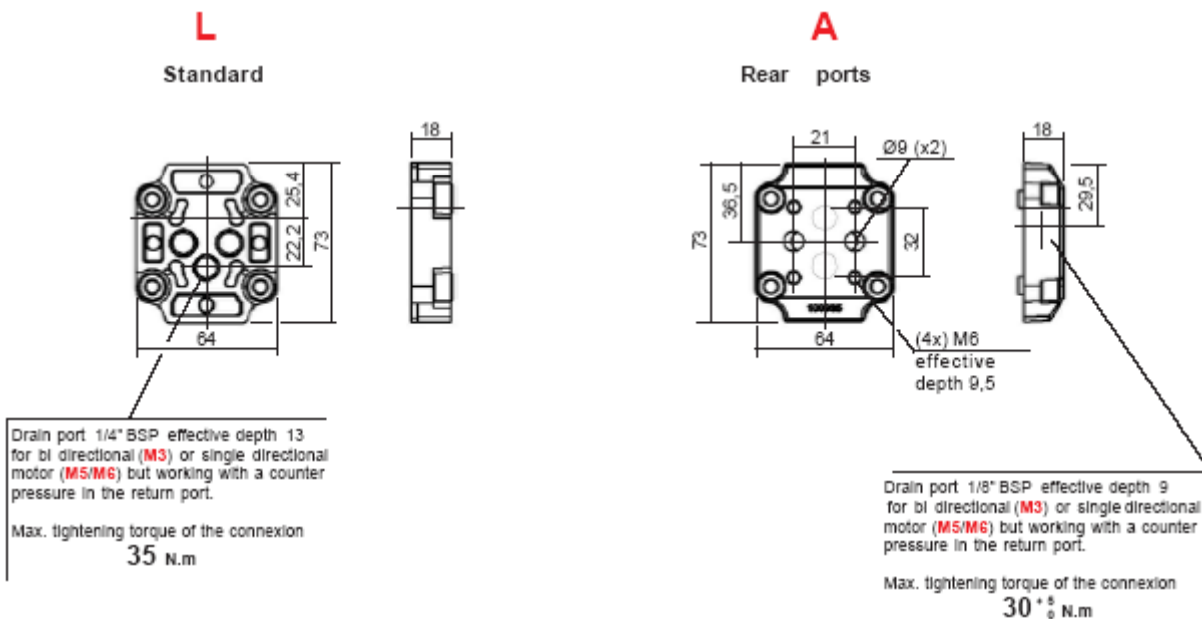
**SERIES 1 TYPE CBK**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**



**MOTORS M3 - M5 - M6 (with drain)**



SERIES 1 TYPE CBK

DRIVING SHAFTS

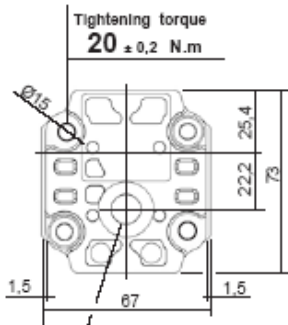
Tapered	Straight keyed	Splined	Tang
10	20	30	40
<p><b>B01</b> Taper 1 / 8</p> <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> 40 N.m</p>	<p><b>C01</b></p> <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>C01</b></p> <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> 25 N.m</p>	<p><b>A01</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p>
<p><b>C01</b> Taper 1 / 5</p> <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> 50 N.m</p>			<p><b>C02</b></p> <p><u>Max. transmissible torque</u> 30 N.m</p>

**SERIES 1 TYPE DCN**



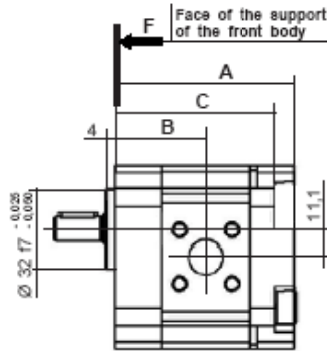
**M** II Sign **DC** **N** **1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

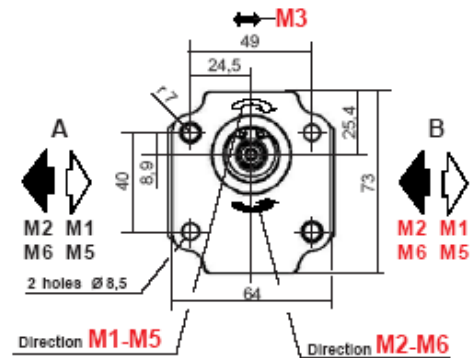


Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



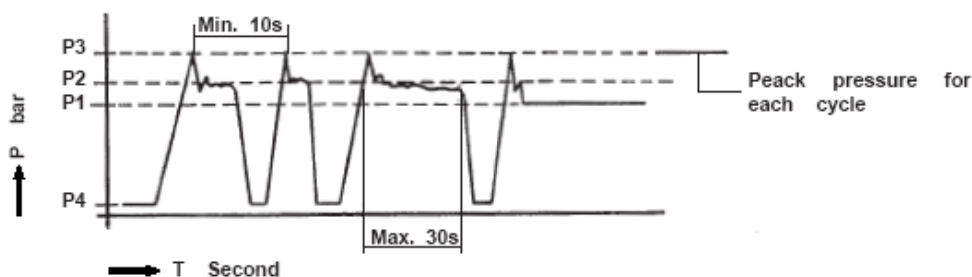
CHOICE of the Capacity	Dimensions		
	A	B	C
<b>1002</b> <b>1003</b>	71,8	35,9	63,8
<b>1004</b> <b>1005</b> <b>1006</b>	81,5	40,7	73,5

**Seale kits:**  
**M1-M2**  
Nitrile: **K5074037** Viton: **K5074038**  
(For manufacture to since October 1991)  
**M3**  
Nitrile: **K5070976** Viton: **K5070977**  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>1002</b>	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
<b>1003</b>	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
<b>1004</b>	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 <sup>200 bar</sup>	6000	1,1
<b>1005</b>	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 <sup>175 bar</sup>	1200 <sup>175 bar</sup>	5000	
<b>1006</b>	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 <sup>175 bar</sup>	1200 <sup>175 bar</sup>	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

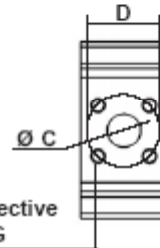


- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



**SERIES 1 TYPE DCN**

**CHOICE of the IMPLANTATIONS of PORTS**

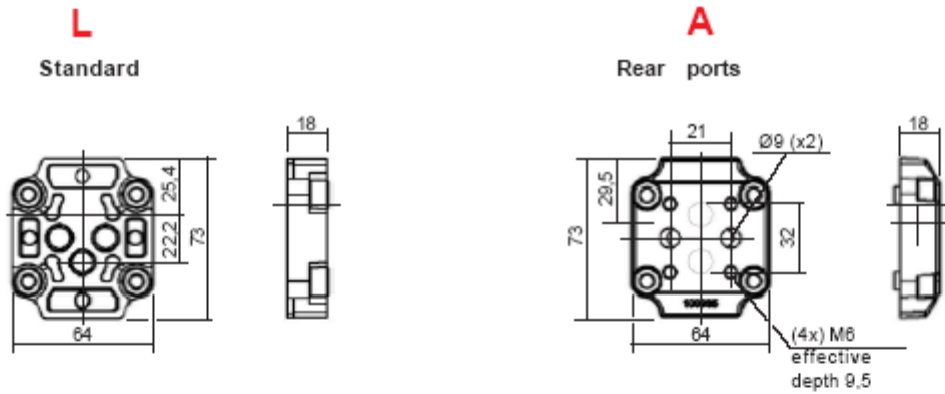
Port connector, see our Catalogue N° 70

	Capacity	DIMENSIONS								AFFECTATION					
		INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
		ØC	D	ØF	G	ØC	D	ØF	G	M1	M2	M5	M6	M3	
		ENTREE		SORTIE		ENTREE		SORTIE		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<b>C</b> (Square)  	1002	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1003														
	1004 to 1006														
<b>F</b> (Threaded)  	1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1003														
	1004 to 1006			1/2" BSP	14			3/8" BSP	12						
<b>X</b> (with ports)  	1002 to 1006	Only with rear body Type A													

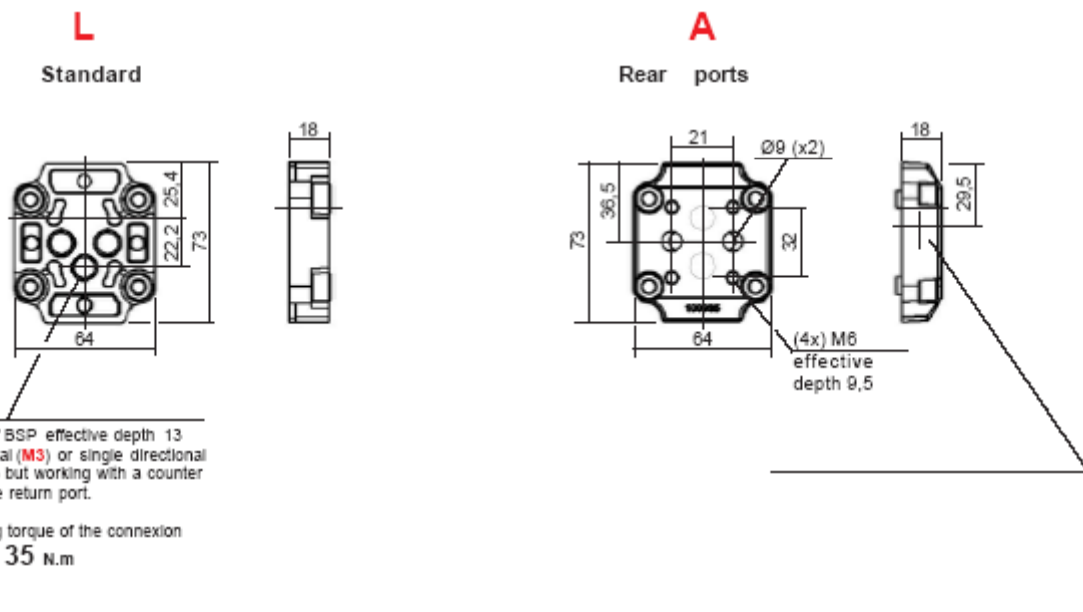
SERIES 1 TYPE DCN

CHOICE of the REAR BODY

**MOTORS M1 - M2 (without drain)**

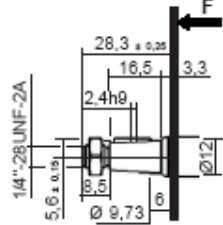
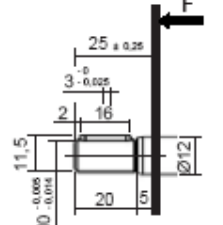
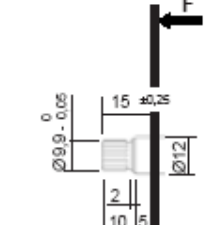
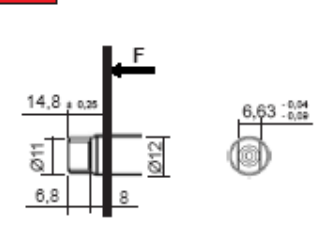
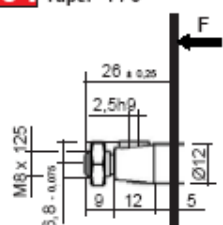
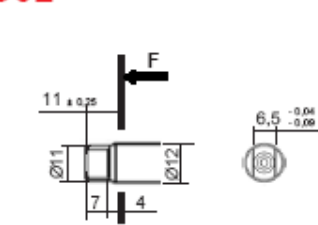


**MOTORS M3 - M5 - M6 (with drain)**



SERIES 1 TYPE DCN

DRIVING SHAFTS

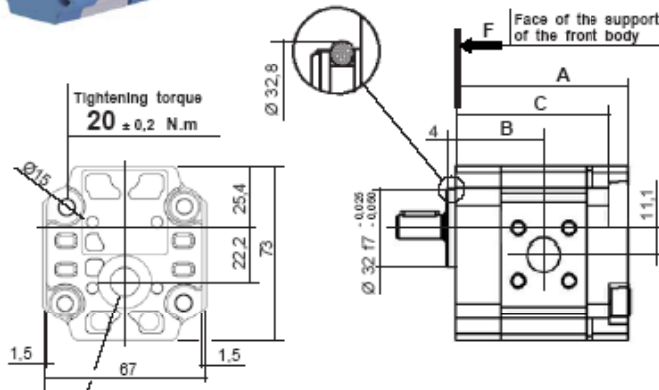
Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B01</b> Taper 1 / 8</p>  <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> 40 N.m</p>	<p><b>C01</b></p>  <p><u>Max. transmissible torque</u> 25 N.m</p>	<p><b>C01</b></p>  <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> 25 N.m</p>	<p><b>A01</b></p>  <p><u>Max. transmissible torque</u> 30 N.m</p>
<p><b>C01</b> Taper 1 / 5</p>  <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> 50 N.m</p>			<p><b>C02</b></p>  <p><u>Max. transmissible torque</u> 30 N.m</p>

**SERIES 1 TYPE DCK**



**M** II Sign **DC K 1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

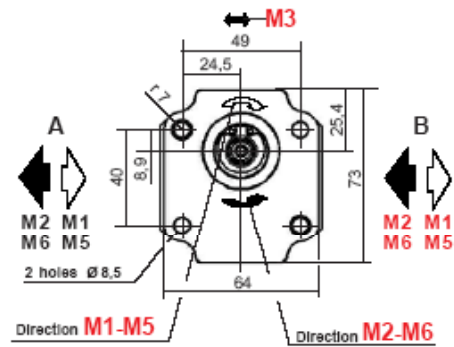
For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



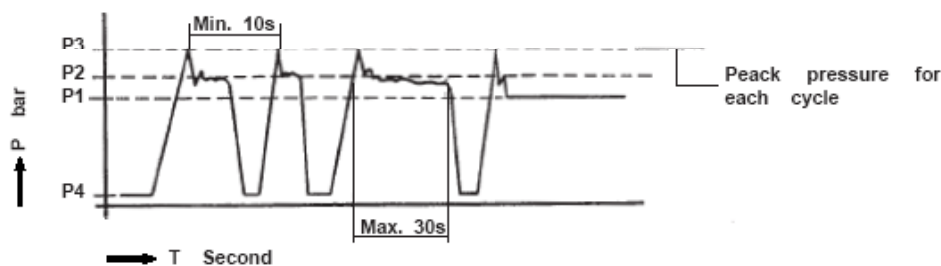
CHOICE of the Capacity	Dimensions		
	A	B	C
<b>1002</b> <b>1003</b>	71,8	35,9	63,8
<b>1004</b> <b>1005</b> <b>1006</b>	81,5	40,7	73,5

**Seals kits:**  
**M1 - M2**  
Nitrile: **K5074037 + K108227**  
Viton: **K5074038 + K108228**  
(For manufacture to since October 1991)  
**M3**  
Nitrile: **K5070976 + K108227**  
Viton: **K5070977 + K108228**  
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>1002</b>	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
<b>1003</b>	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
<b>1004</b>	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 <sup>200 bar</sup>	6000	1,1
<b>1005</b>	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 <sup>175 bar</sup>	1200 <sup>175 bar</sup>	5000	
<b>1006</b>	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 <sup>175 bar</sup>	1200 <sup>175 bar</sup>	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



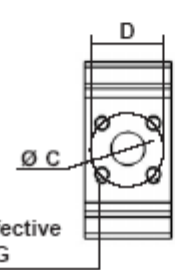
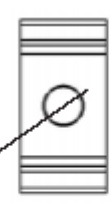

Consult us for availability



SERIES 1 TYPE DCK

CHOICE of the IMPLANTATIONS of PORTS

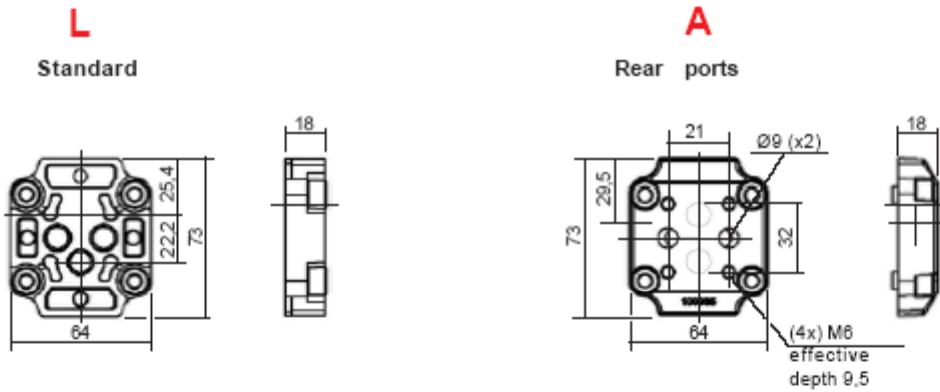
Port connector, see our Catalogue N° 70

	Capacity	DIMENSIONS								AFFECTATION					
		INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure			2 ways rotation with counter pressure		
		M1		M2		M5			M6			M3			
		ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
<b>C</b> (Square)   Ø F effective depth G	1002	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
	1003														
	1004 to 1006														
<b>F</b> (Threaded)   Ø F effective depth G	1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
	1003														
	1004 to 1006														
<b>X</b> (with ports)  	1002 to 1006	Only with rear body Type A													

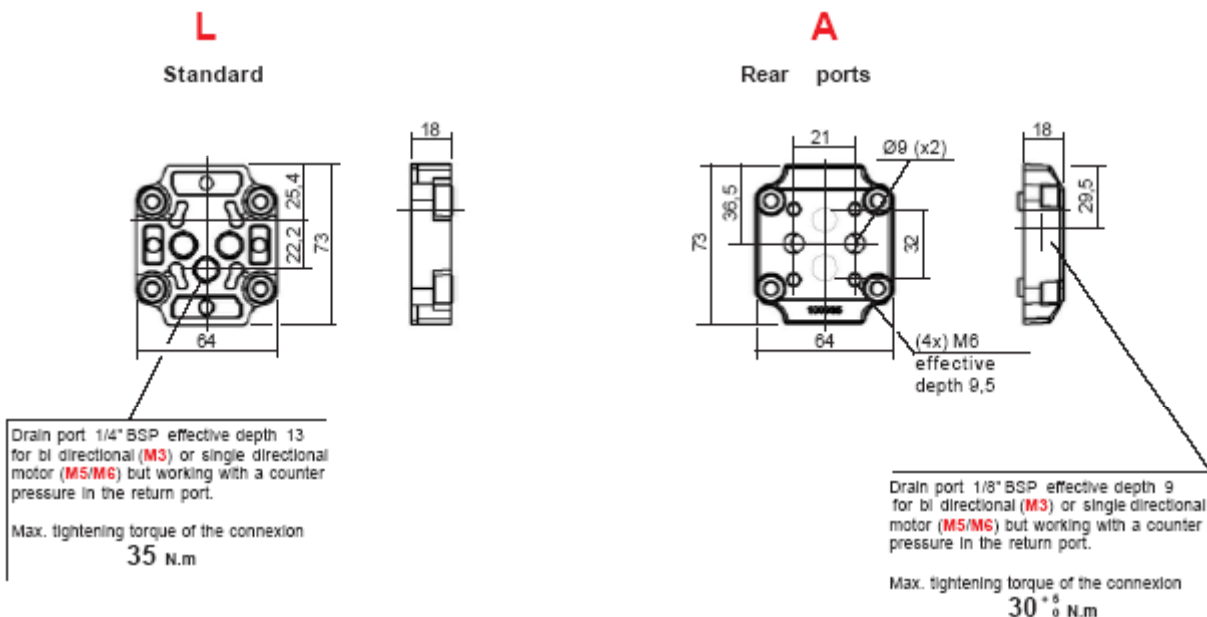
**SERIES 1 TYPE DCK**

**CHOICE of the REAR BODY**

**MOTORS M1 - M2 (without drain)**

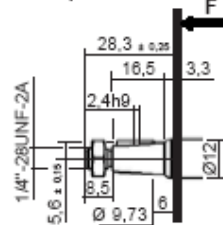
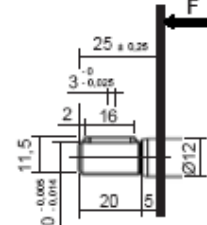
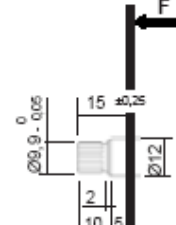
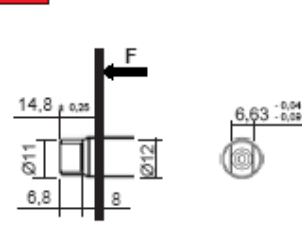
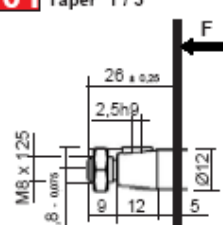
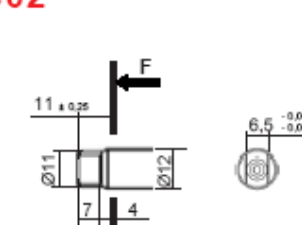


**MOTORS M3 - M5 - M6 (with drain)**

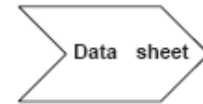


SERIES 1 TYPE DCK

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B01</b> Taper 1 / 8</p>  <p>Delivered with nut: K101719</p> <p><u>Max. transmissible torque</u> <b>40 N.m</b></p>	<p><b>C01</b></p>  <p><u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p><b>C01</b></p>  <p>Cannelures en développante 10 x 18 x 0,5 NF E 22 141 - BNA 455 <u>Max. transmissible torque</u> <b>25 N.m</b></p>	<p><b>A01</b></p>  <p><u>Max. transmissible torque</u> <b>30 N.m</b></p>
<p><b>C01</b> Taper 1 / 5</p>  <p>Delivered with nut: K105890</p> <p><u>Max. transmissible torque</u> <b>50 N.m</b></p>			<p><b>C02</b></p>  <p><u>Max. transmissible torque</u> <b>30 N.m</b></p>

MOTORS PRESENTATION  
**SERIES 2 and 2,5**



F.T 20 1433

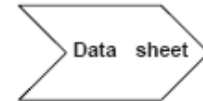
HIGHT PRESSURE SHAFT RING



F.T 20 1493

- FLAT FRONT BODIES

MOTOR **AAN**



F.T 20 1434

MOTOR **AAK**



F.T 20 1435

MOTOR **AFN**



F.T 20 1436

MOTOR **APK**



F.T 20 1437



Consult us for availability



- FLAT FRONT BODIES (rest)

MOTOR

**BAN**



Data sheet

F.T 20 1438

MOTOR

**CAN**



Data sheet

F.T 20 1439

MOTOR

**CEN**



Data sheet

F.T 20 1440

MOTOR

**CEK**



Data sheet

F.T 20 1441

MOTOR

**DBN**



Data sheet

F.T 20 1442

MOTOR

**DBK**



Data sheet

F.T 20 1443



Consult us for availability



**JTEKT**  
HPI

- FLAT FRONT BODIES (rest)

MOTOR

**DCN**



F.T 20 1444

MOTOR

**DCK**



F.T 20 1445

MOTOR

**DUK**



F.T 20 1446

MOTOR

**DWN**



F.T 20 1447

MOTOR

**DZK**



F.T 20 1448

**Series 2 and 2,5 pressure shaft ring only for flat front cover**

**Applications:** 1 Direction of rotation (M1 / M2) with counter-pressure  
2 Direction of rotation (M3 - M5 / M6) with counter-pressure on drain line  
Pump with feeding pressure

**Description:** Sealing ring with radial effect, single lip with dust lip  
VITON external coating  
Small sealing lip with spring

**Mounting:** Mounting in front cover (special machining) of high pressure ring and washer

**Running**

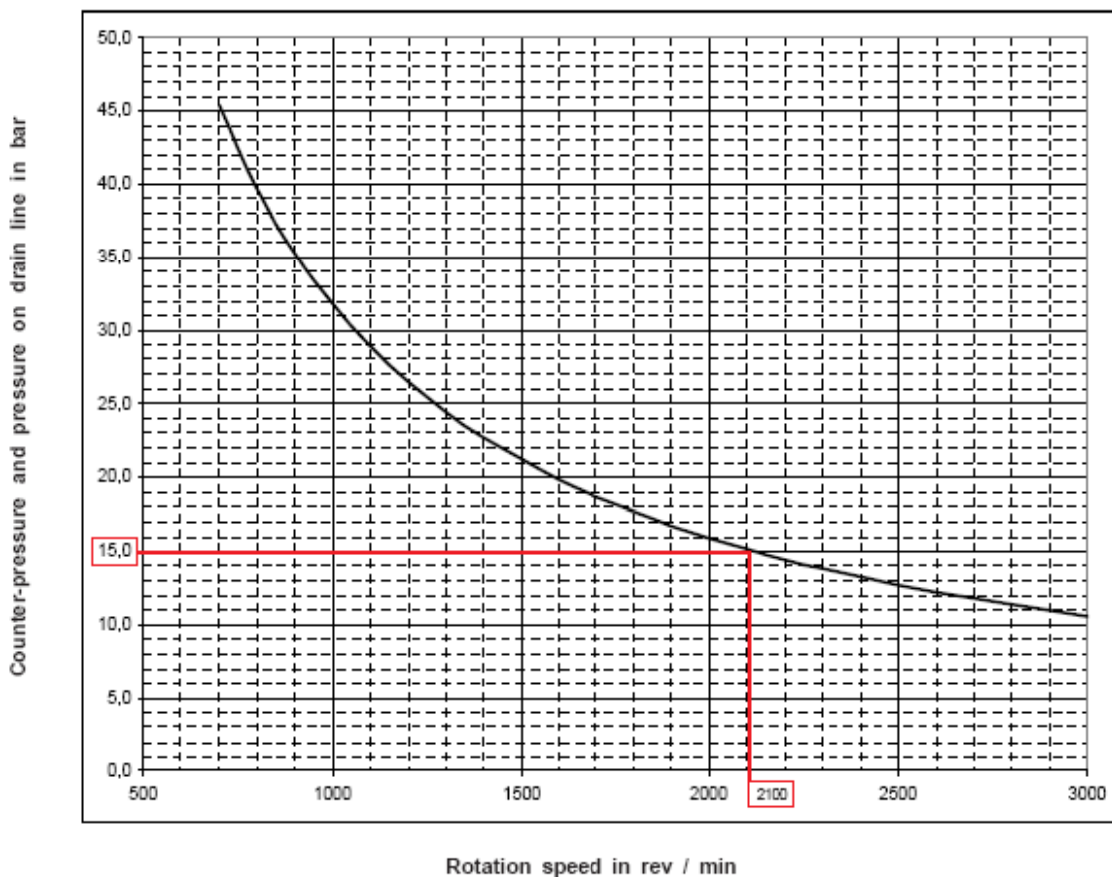
**conditions:**  $P \text{ (bar)} \times V \text{ (rev/min)} < 31.800$  (see below graphic)

P (bar): Pressure on ring

V (rev/min): Shaft rotation speed

Fluids: mineral oils, huiles synthetic oils

Running temperatures: - 40°C to + 100°C



**Example:** At 2100 rev/min rotation speed, max pressure on the ring is 15 bar.

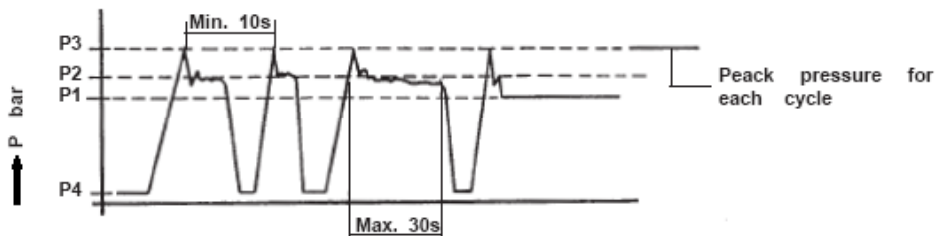
## MAIN CHARACTERISTICS SERIES 2

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>Series 2</b>														
<b>2006</b>	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
<b>2008</b>	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
<b>2010</b>	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2012</b>	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2014</b>	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
<b>2015</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
<b>2017</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
<b>2018</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
<b>2022</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
<b>2026</b>	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
<b>2030</b>	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7
<b>Series 2,5</b>														
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8

The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 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 temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).  
 Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.  
**MAXIMUM PRESSURE:**  
 For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.  
 For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.  
 For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.  
 For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.  
 (The tests are effected with the oil SHELL Tellus T 46)  
 The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



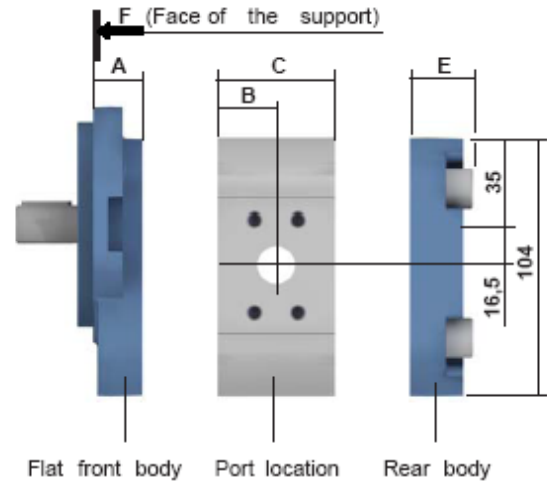
## MAIN DIMENSIONS SERIES 2

### FLAT FRONT BODY

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

Port location (capacity):	B	C
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 -	24
Q	50,5
<b>AR</b>	24

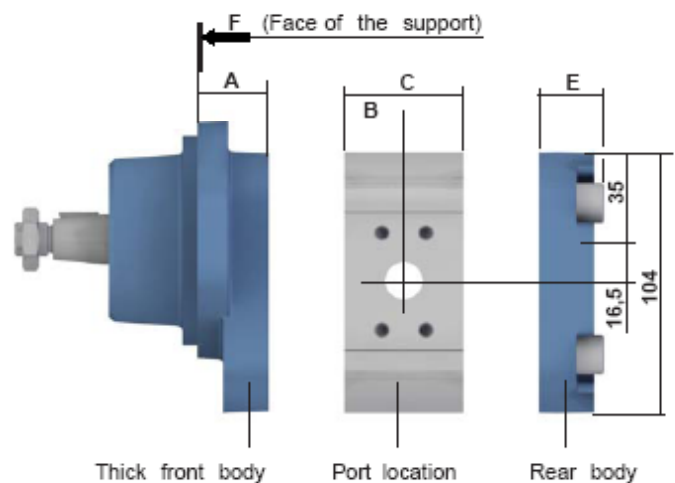


### THICK FRONT BODY

Thick front bodies:	A
AAP / <b>AAR</b>	28
ARP / <b>ARK</b>	25
AVP	28
DBP / <b>DBR</b>	51

Port location (capacity):	B	C
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 - <b>T</b>	24
Q	50,5
<b>AR</b>	24



### AVAILABILITIES SERIES 2

DIRECTION of ROTATION (I 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)	TANGS	
M1	M2	M3	M4	H	C	B	F	U	X	Y	L	A	X**	T**	Q**	AR	10	20	30	40	
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		
X	X	X	X																		

M
II
III
IV
V
VI
VII
VIII
IX
X
XI
XII

For CODIFICATION, see data sheet F-TR 0243

\*\* Not available in Motors M3

#### LEGENDS

##### DIRECTION of ROTATION

- M1 = Clockwise without counter pressure
- M2 = Anti clockwise without counter pressure
- M3 = Bi directional with counter pressure
- M4 = With counter pressure without counter pressure
- M5 = Anti clockwise with counter pressure

##### FRONT BODIES

- AR\*\* = Fixing SAE and ISO
- BR\*\* = Fixing english and Italian
- CR\*\* = Fixing French
- DR\*\* = Fixing German

##### PORT LOCATION

- H = HPI Location
- C = Square location
- B = Italian location
- F = Threaded ports
- U = SAE location (SAE J475)
- X = without port

##### REAR BODIES

- L = Standard
- A = with parts
- X = high pressure relief valve Internal return
- T = high pressure relief valve External return
- Q = Internal flow control
- AR = with block configuration MBPS



## AVAILABILITIES SERIES 2

<b>M</b>	II	III	IV	V	VII	VIII	IX	X	XI	XII
Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign

For CONFIGURATION, see data sheet **F.T.R 0243**

DIRECTION of ROTATION (II Sign)	FLAT and THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)												DRIVING SHAFT (X, X and XI Sign)																																																																																					
			H	C	3	F	U	X	Y	L	A	X**	I**	Q**		RE																																																																																				

\*\* Not available in Motors M3

### DIRECTION of ROTATION

- M1 = Clockwise without counter pressure
- M2 = Anti clockwise without counter pressure
- M3 = Bi directional with counter pressure
- M5 = Clockwise with counter pressure
- M6 = Anti clockwise with counter pressure

### FRONT BODIES

- A\*\* = Fitting SAE
- D\*\* = Fitting German

### PORT LOCATION

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

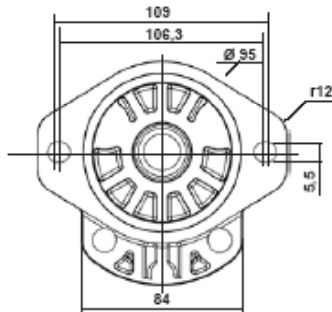
### REAR BODIES

- L = Standard
- A = with ports
- X = high pressure relief valve
- I = internal return
- F = high pressure relief valve
- Q = External return
- O = Internal flow control
- AS = with shock configuration MBPS

Consult us for availability

FLAT FRONT BODIES

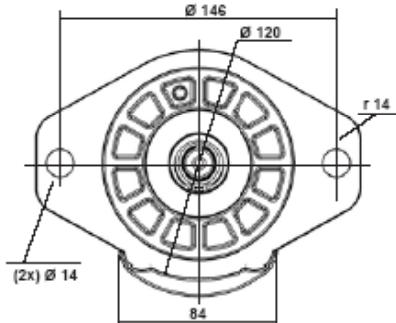
**AAN / AAK**



Centering:  $\varnothing 92,35 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
Thickness: 6

**AAN** : Serie 2 F.T 20 1434  
Serie 2,5 F.T 25 1456  
**AAK** : Serie 2 F.T 20 1435  
Serie 2,5 F.T 25 1457

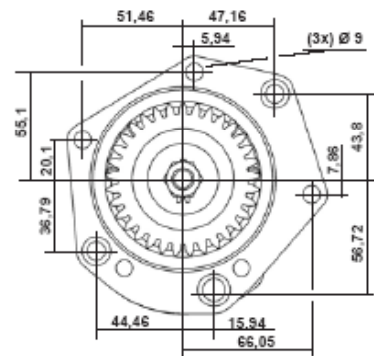
**AFN**



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

**AFN** : Serie 2 F.T 20 1436  
Serie 2,5 F.T 25 1458

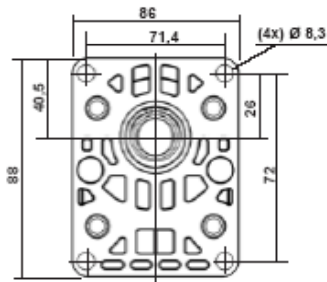
**APK**



Centering:  $\varnothing 55 \begin{smallmatrix} 0,036 \\ -0,071 \end{smallmatrix}$   
Thickness: 10

**APK** : Serie 2 F.T 20 1437  
Serie 2,5 F.T 25 1459

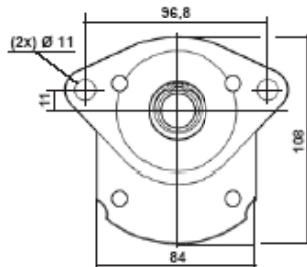
**BAN**



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

**BAN** : Serie 2 F.T 20 1438  
Serie 2,5 F.T 25 1460

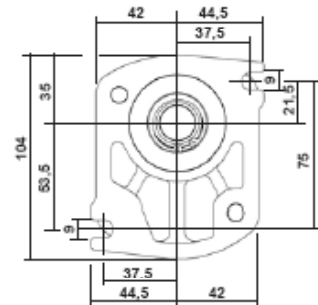
**CAN**



Centering:  $\varnothing 63,5 \begin{smallmatrix} -0,020 \\ -0,076 \end{smallmatrix}$   
Thickness: 3,2

**CAN** : Serie 2 F.T 20 1439  
Serie 2,5 F.T 25 1461

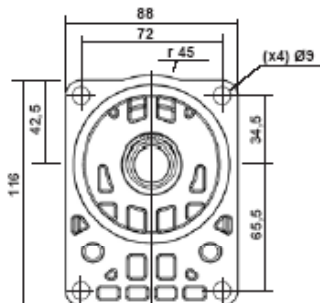
**CEN / CEK**



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

**CEN** : Serie 2 F.T 20 1440  
Serie 2,5 F.T 25 1462  
**CEK** : Serie 2 F.T 20 1441  
Serie 2,5 F.T 25 1463

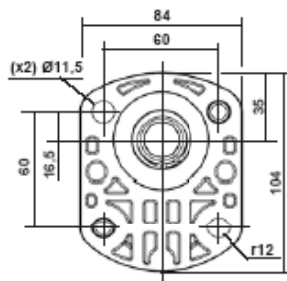
**DBN / DBK**



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

**DBN** : Serie 2 F.T 20 1442  
Serie 2,5 F.T 25 1464  
**DBK** : Serie 2 F.T 20 1443  
Serie 2,5 F.T 25 1465

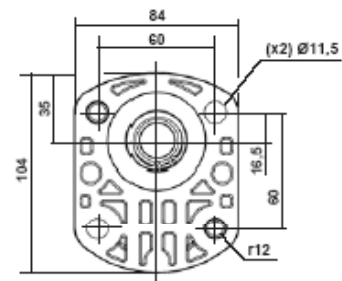
**DCN / DCK**



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

**DCN** : Serie 2 F.T 20 1444  
Serie 2,5 F.T 25 1466  
**DCK** : Serie 2 F.T 20 1445  
Serie 2,5 F.T 25 1467

**DWN**

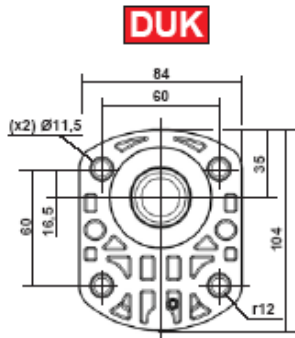


Centering:  $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$   
Thickness: 6

**DWN** : Serie 2 F.T 20 1447  
Serie 2,5 F.T 25 1469

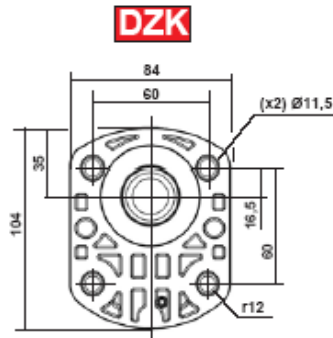
Consult us for availability

FLAT FRONT BODIES



Centering:  $\varnothing 52 \begin{smallmatrix} -0.030 \\ -0.060 \end{smallmatrix}$   
Thickness: 6

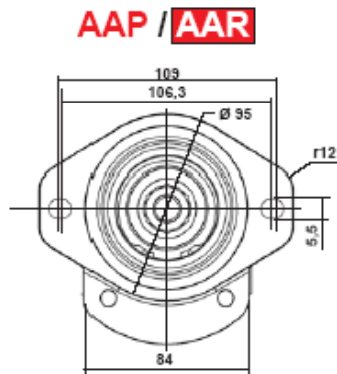
**DUK** : Serie 2 F.T 20 1446  
Serie 2,5 F.T 25 1468



Centering:  $\varnothing 52 \begin{smallmatrix} -0.030 \\ -0.060 \end{smallmatrix}$   
Thickness: 6

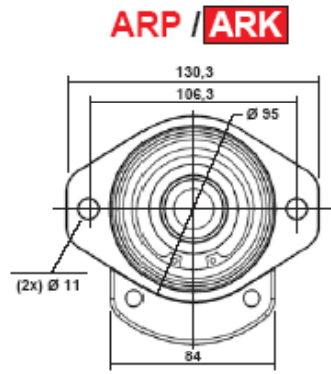
**DZK** : Serie 2 F.T 20 1448  
Serie 2,5 F.T 25 1470

THICK FRONT BODIES



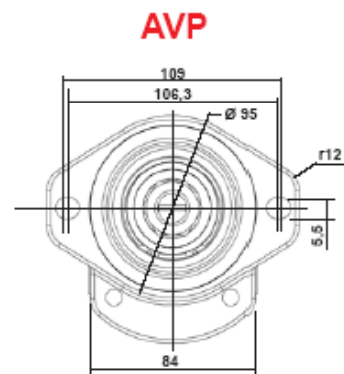
Centering:  $\varnothing 82.55 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$   
Thickness: 6

**AAP** : Serie 2 F.T 20 1449  
Serie 2,5 F.T 25 1471  
**AAR** : Serie 2 F.T 20 1450  
Serie 2,5 F.T 25 1472



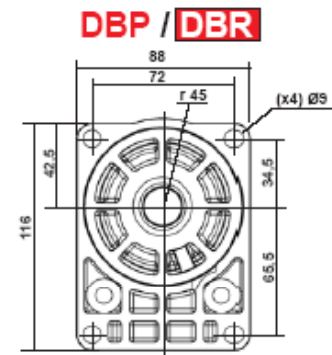
Centering:  $\varnothing 85 \begin{smallmatrix} -0.036 \\ -0.071 \end{smallmatrix}$   
Thickness: 14

**ARP** : Serie 2 F.T 20 1451  
Serie 2,5 F.T 25 1473  
**ARK** : Serie 2 F.T 20 1452  
Serie 2,5 F.T 25 1474




Centering:  $\varnothing 82.55 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$   
Epaisseur: 6

**AVP** : Serie 2 F.T 20 1453  
Serie 2,5 F.T 25 1475



Centering:  $\varnothing 80 \begin{smallmatrix} -0.03 \\ -0.05 \end{smallmatrix}$   
Thickness: 8

**DBP** : Serie 2 F.T 20 1454  
Serie 2,5 F.T 25 1476  
**DBR** : Serie 2 F.T 20 1455  
Serie 2,5 F.T 25 1477

 Consult us for availability

**CHOICE of the IMPLANTATIONS of PORTS**

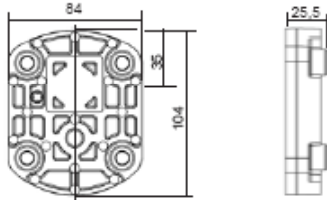
Port connector, see our Catalogue N° 70

		Capacity	INLET					OUTLET					AFFECTATION					
			ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
													M1 ENTREE	M2 SORTIE	M5 INLET	M6 OUTLET	M3	
<b>H</b> (HPI)		2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
		2014 to 2030 2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
<b>C</b> (Square)		2006 to 2030 2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
<b>B</b> (Italian)		2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
		2014 to 2030 2512 to 2522	20	40		M6	13	15	30		M6	13						
<b>F</b> (Threaded)		2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
		2014 to 2022 2512				1" BSP	18				1/2" BSP	14						
<b>U</b> (Threaded SAE J 475)		2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
		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						
<b>Y</b> (ISO 6162)		2006 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14	A	B	B	A	B	A
		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						
<b>X</b> (without ports)		2006 to 2030 2512 to 2522	Only with rear body Type A															

REAR BODIES for MOTORS M1 - M2

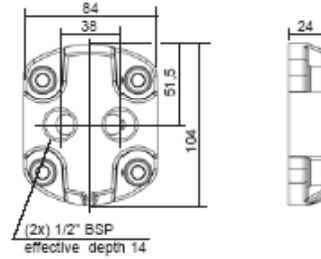
**L**

Standard



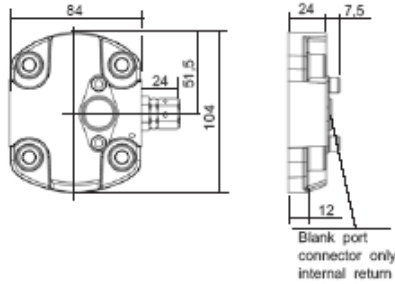
**A**

with ports



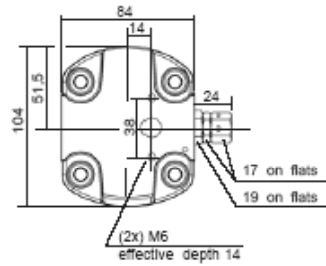
**X**

High pressure relief valve (Adjustable) Internal return



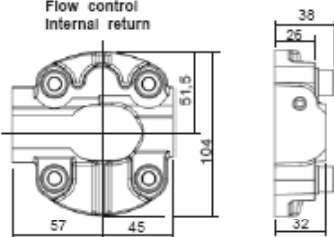
**T**

High pressure relief valve (Adjustable) External return



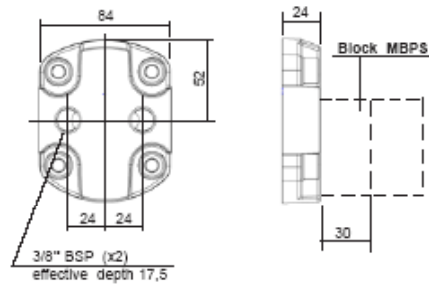
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS

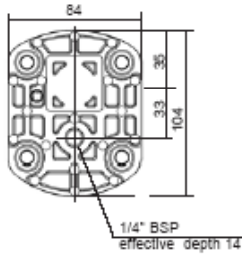


Consult us for availability

**REAR BODIES for MOTORS M3 - M5 - M6**

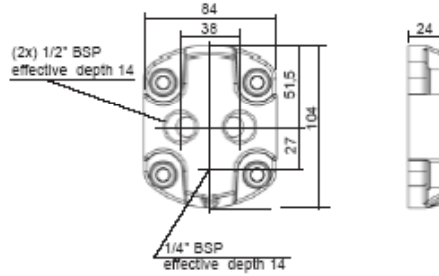
**L**

Standard



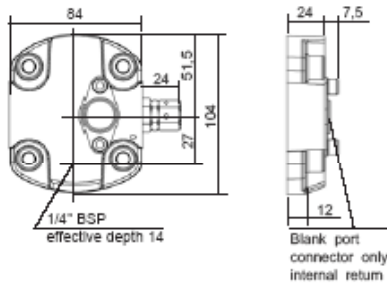
**A**

with ports



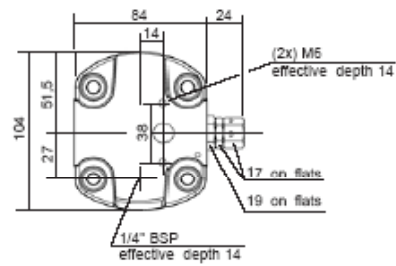
**X**

High pressure relief valve  
(Adjustable) Internal return



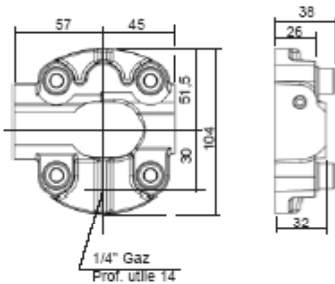
**T**

High pressure relief valve  
(Adjustable) External return



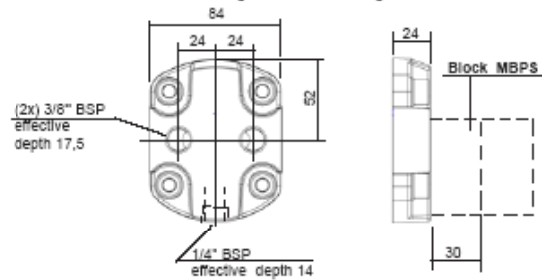
**Q**

Flow control  
Internal return



**AR**

Mounting with block configuration MBPS



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 3 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling: 9 teeth / 13 teeth Ref.: <b>K.5041310</b> Mounting with splined shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spligot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>D02</b></p> <p><u>Max tightening torque</u> <b>70 N.m</b></p>
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		<p>Coupling on request: Ref. K102947</p>
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spligot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability



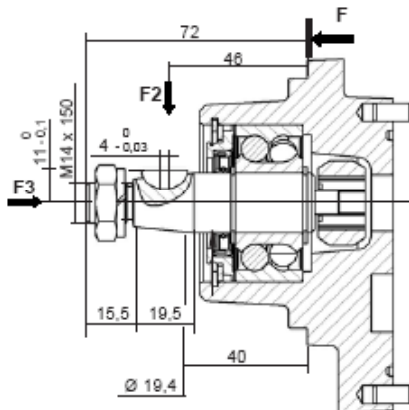
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

**AAP / AAR**

**C03** Taper 1 / 5



F2 Maxi: 120 daN  
F3 Maxi: 50 daN

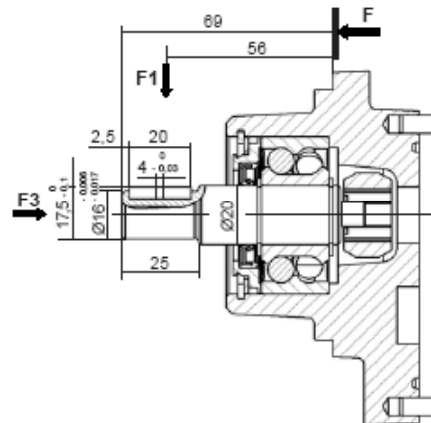
Maxi transmissible torque  
70 N.m

Straight keyed

20

**AAP / AAR**

**C03**

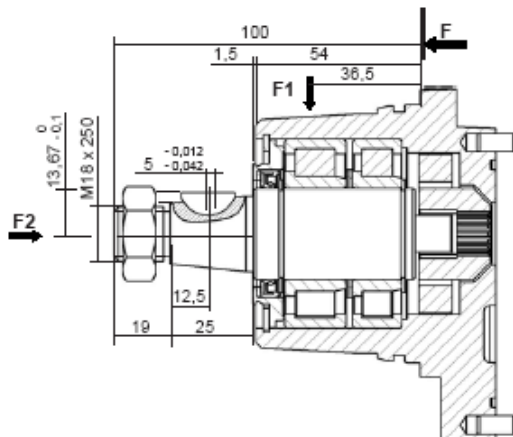


F1 Maxi: 120 daN  
F3 Maxi: 50 daN

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

Consult us for availability

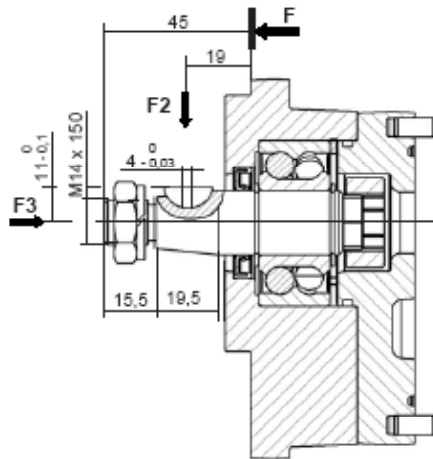
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

**DBP / DBR**

**C07** Taper 1/5



Delivered with Nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

Maxi transmissible torque

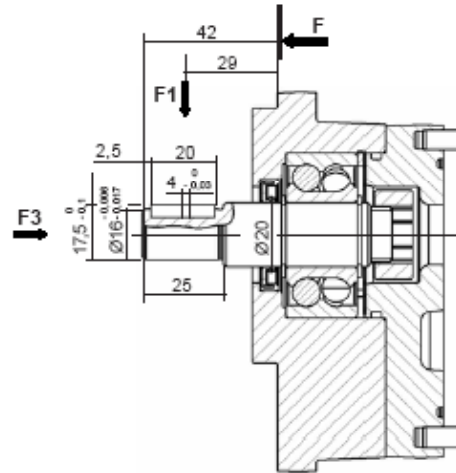
50 N.m

Straight keyed

20

**DBP / DBR**

**C15**



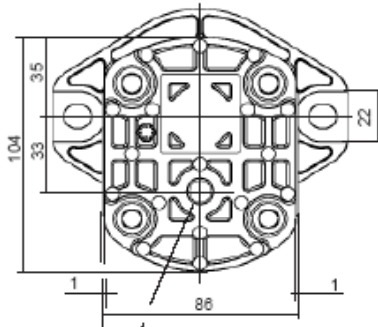
F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

**SERIES 2 TYPE AAN**

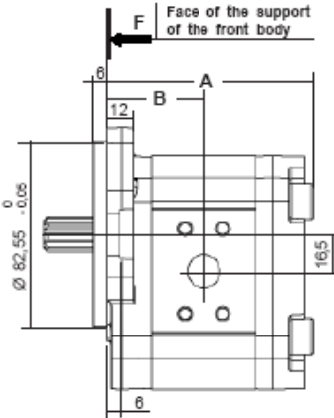


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

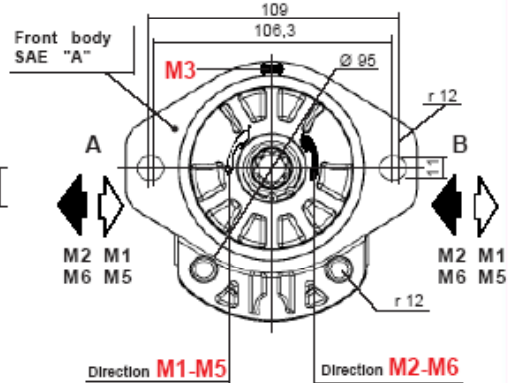
Max. tightening torque of the connexion **35 N.m**

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

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



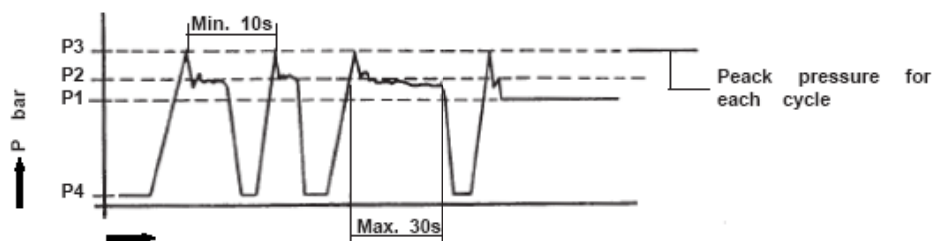
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071067 Viton: K5071068  
(For manufacturer to since February 1985)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI) Kg	approx. weight
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



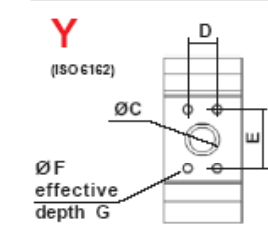
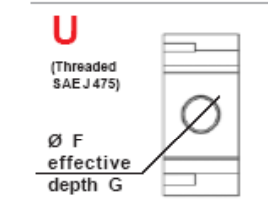
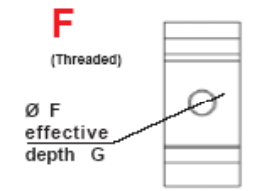
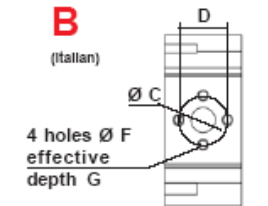
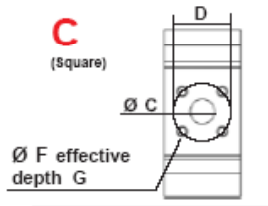
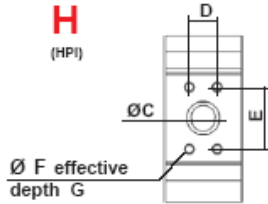
Consult us for availability



**SERIES 2 TYPE AAN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET		OUTLET					AFFECTATION								
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure M1 M2 ENTREE SORTIE ENTREE SORTIE		2 ways rotation with counter pressure M3			
											1 way rotation with counter pressure M5 M6 INLET OUTLET INLET OUTLET		INLET OUTLET			
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2006 to 2012	15	30		M6	13	15	30		M6	13						
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
2014 to 2022				1" BSP	18				1/2" BSP	14						
2006 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	A	B	B	A	B	A
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
2006 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	A	B	B	A	B	A
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
2006 to 2030	Only with rear body Type A															

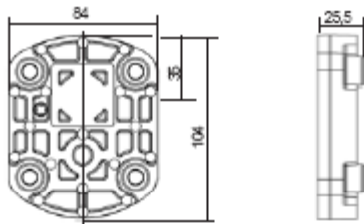


**SERIES 2 TYPE AAN**

**REAR BODIES for MOTORS M1 - M2**

**L**

standard



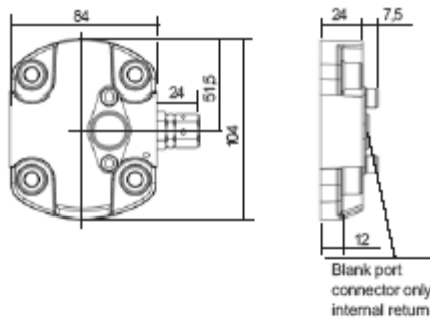
**A**

with ports



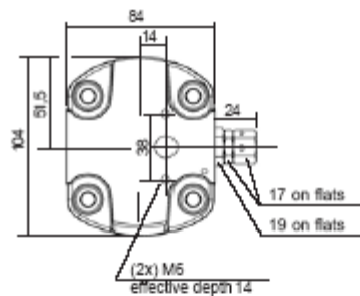
**X**

High pressure relief valve  
(Adjustable) Internal return



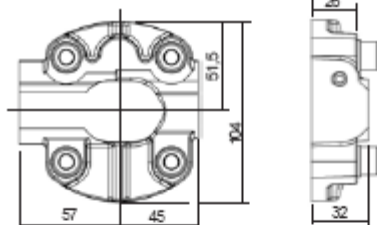
**T**

High pressure relief valve  
(Adjustable) External return



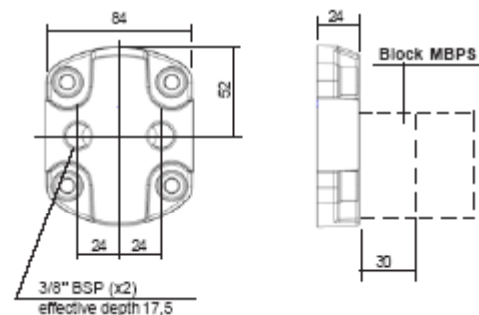
**Q**

Flow control  
Internal return



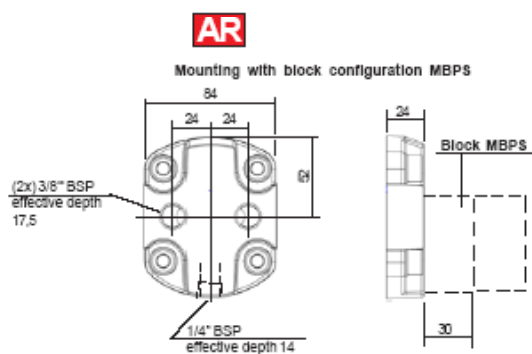
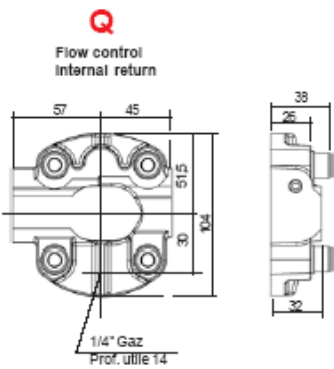
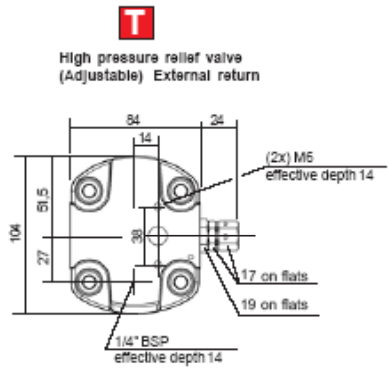
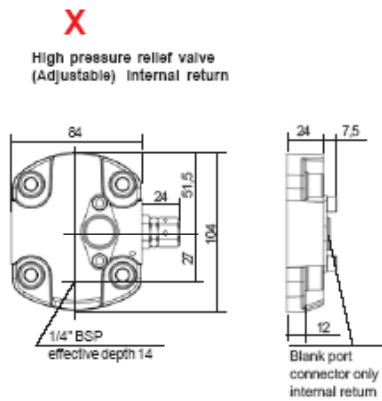
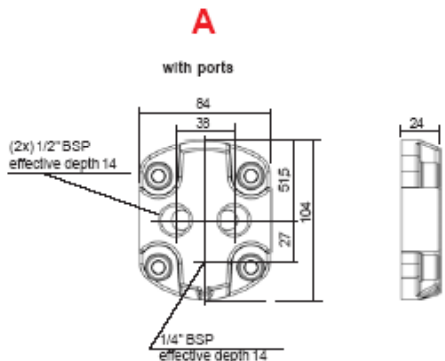
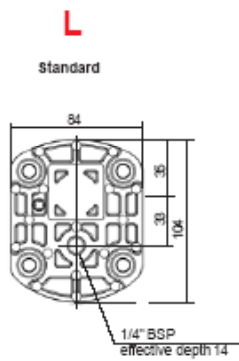
**AR**

Mounting with block configuration MBPS



**SERIES 2 TYPE AAN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE AAN

DRIVING SHAFT

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1 / 8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1 / 5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		
<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability

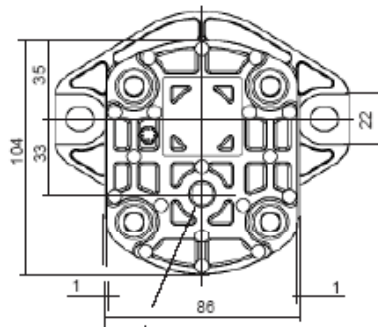


SERIES 2 TYPE AAN



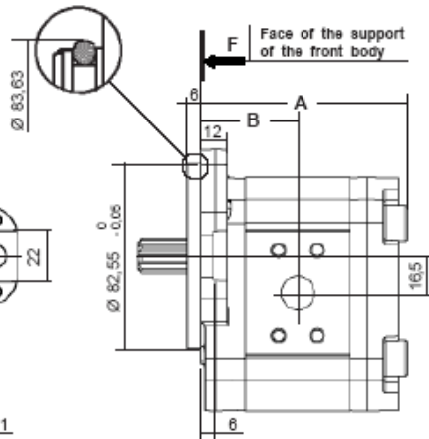
**M** II Sign **AAK 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243

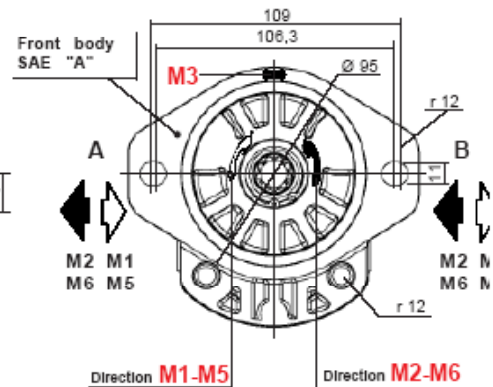


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**



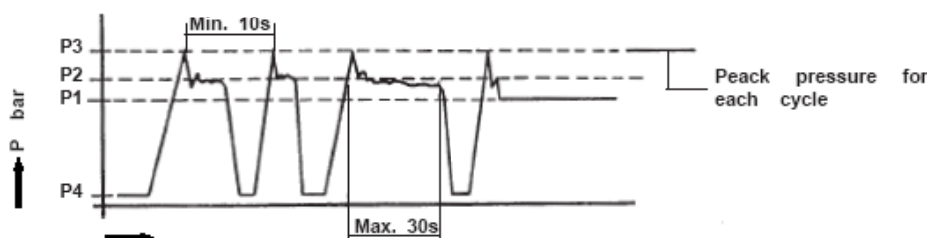
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069810 + K102901  
 Viton: K5069820 + K104093  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K102901  
 Viton: K5071068 + K104093  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

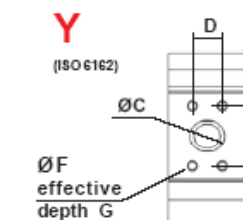
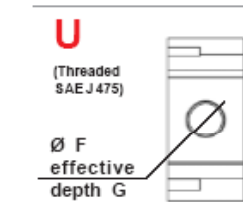
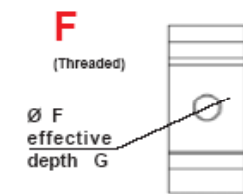
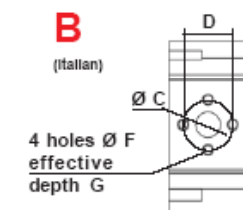
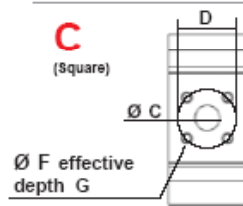
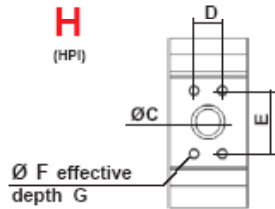


Consult us for availability



**SERIES 2 TYPE AAK**
**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	M1	M2	M3	M3								
											ENTREE		SORTIE		ENTREE		SORTIE									
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A	B	A								
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A								
2006 to 2012	15	30		M6	13	15	30		M6	13																
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A								
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A	B	A								
2014 to 2022				1" BSP	18				1/2" BSP	14																
2006 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	A	B	B	A	B	A	B	A								
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2006 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	A	B	B	A	B	A	B	A								
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2006 to 2030	Only with rear body Type A																									

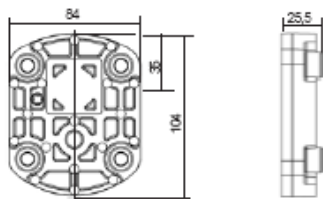
Consult us for availability  
 PUBLISHING 02 / 2012

SERIES 2 TYPE AAK

REAR BODIES for MOTORS M1 - M2

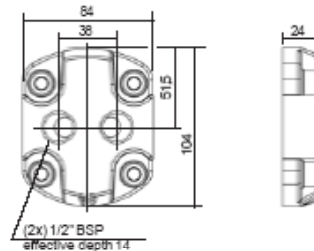
**L**

standard



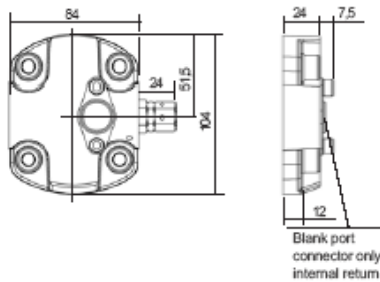
**A**

with ports



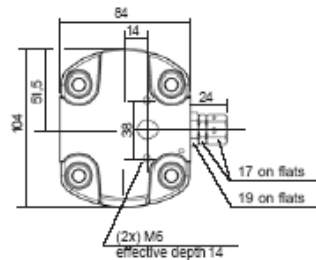
**X**

High pressure relief valve (Adjustable) Internal return



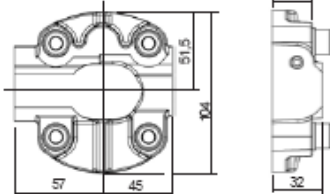
**T**

High pressure relief valve (Adjustable) External return



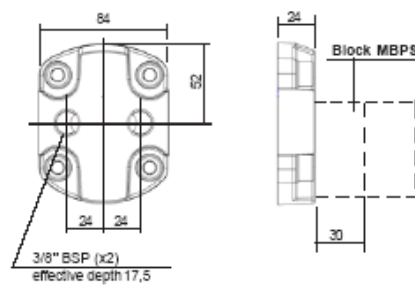
**Q**

Flow control Internal return



**AR**

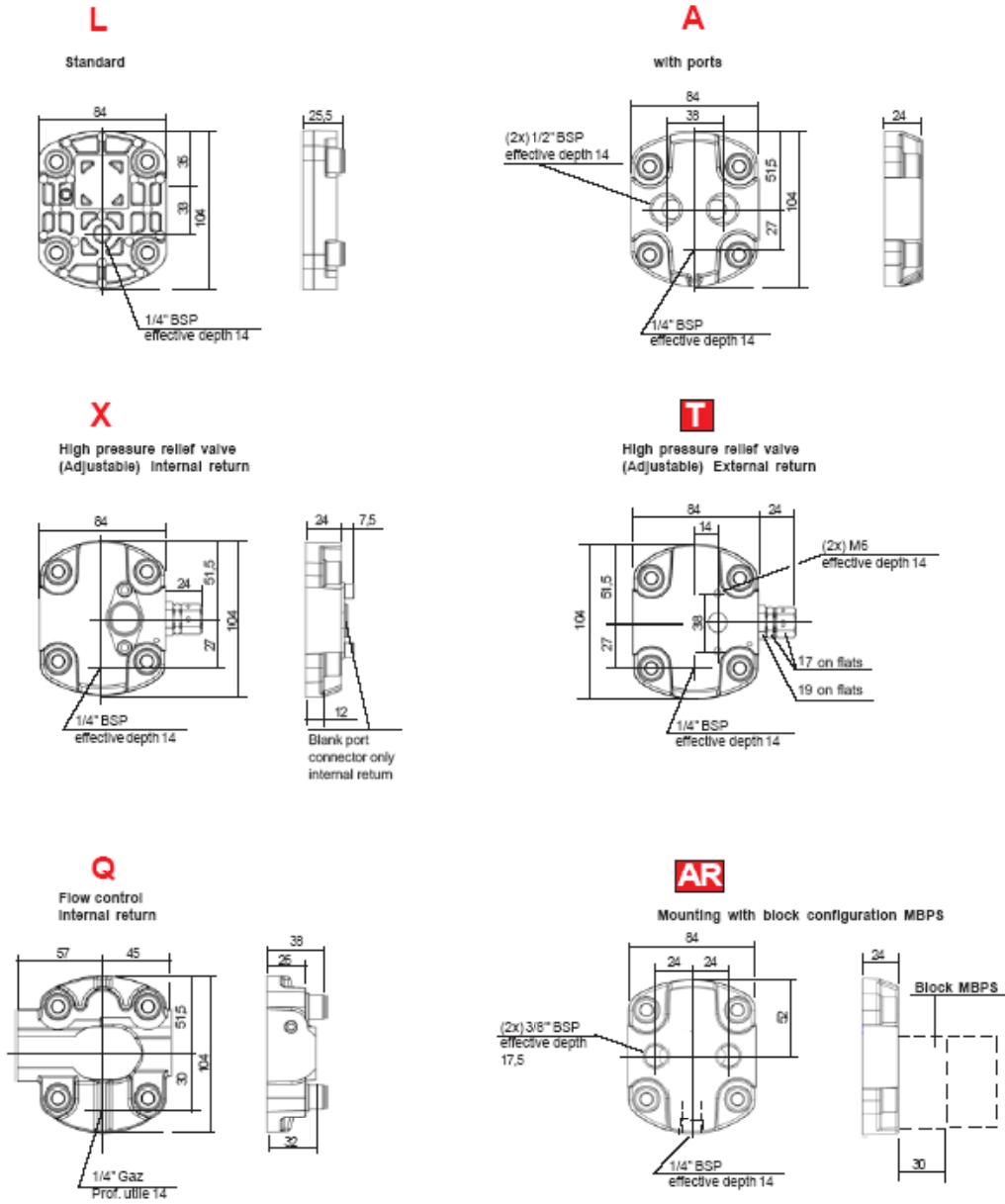
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE AAK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability



SERIES 2 TYPE AAK

DRIVING SHAFT

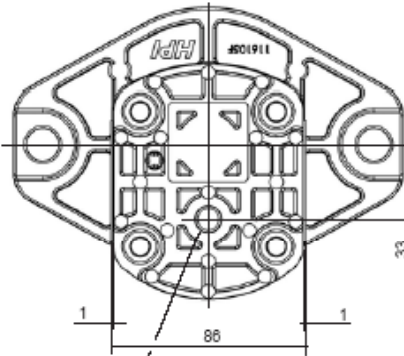
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft 30.A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	
<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NFE 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
<p>Consult us for availability</p>		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



SERIES 2 TYPE AFN

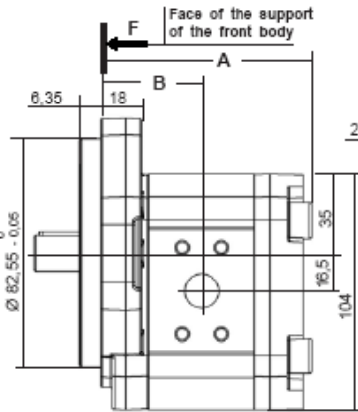
**M** II Sign **AFN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

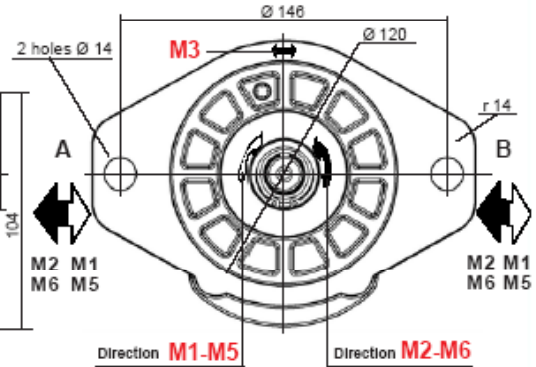


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/MS) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**



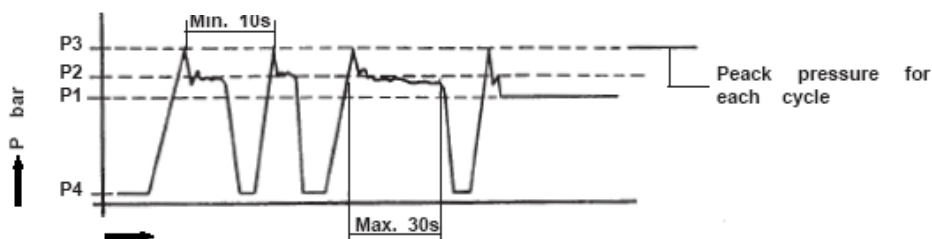
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069810 Viton: K5069820  
 (For manufacture to since January 1984)  
**M3 - M5/MS**  
 Nitrile: K5071067 Viton: K5071068  
 (For manufacture to since February 1985)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2006</b>	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
<b>2008</b>	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
<b>2010</b>	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2012</b>	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2014</b>	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2
<b>2015</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,1
<b>2017</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,1
<b>2018</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	///	3500	2,2
<b>2022</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	///	3500	2,3
<b>2026</b>	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150</sup> bar	///	3500	2,8
<b>2030</b>	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150</sup> bar	///	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2 TYPE AFN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION					
																						1 way rotation without counter pressure		2 ways rotation with counter pressure			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1		M2		M3		M5		M6							
		ENTREE		SORTIE		ENTREE		SORTIE		ENTREE		SORTIE		ENTREE		SORTIE		ENTREE		SORTIE							
<b>H</b> (HPI)  Ø F effective depth G	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A										
	2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
<b>C</b> (Square)  Ø F effective depth G	2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
<b>B</b> (Italian)  4 holes Ø F effective depth G	2006 to 2012	15	30		M6	13	15	30		M6	13																
	2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
<b>F</b> (Threaded)  Ø F effective depth G	2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A										
	2014 to 2022				1" BSP	18				1/2" BSP	14																
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2006 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	A	B	B	A	B	A										
	2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
<b>Y</b> (ISO 6162)  Ø F effective depth G	2006 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	A	B	B	A	B	A										
	2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
<b>X</b> (without ports) 	2006 to 2030	Only with rear body Type A																									

Consult us for availability

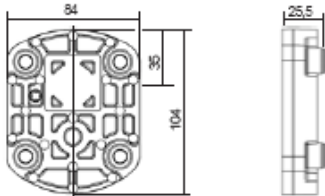


**SERIES 2 TYPE AFN**

**REAR BODIES for MOTORS M1 - M2**

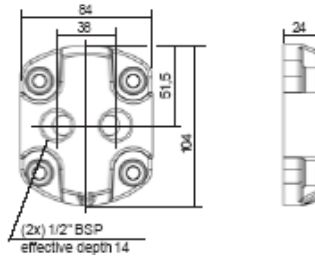
**L**

Standard



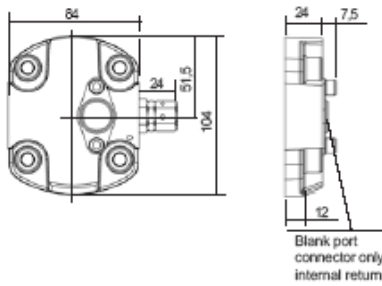
**A**

with ports



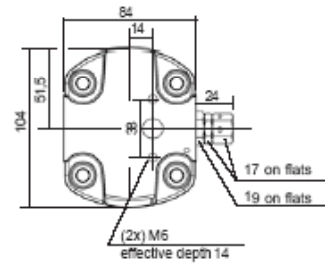
**X**

High pressure relief valve (Adjustable) Internal return



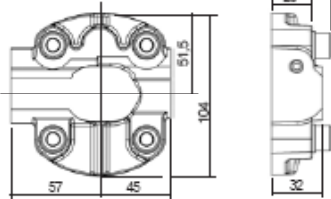
**T**

High pressure relief valve (Adjustable) External return



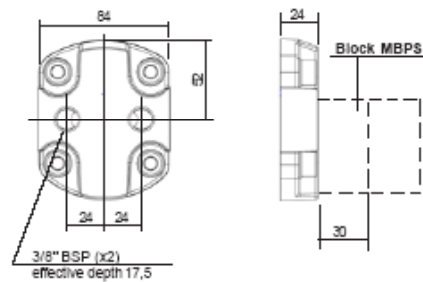
**Q**

Flow control Internal return



**AR**

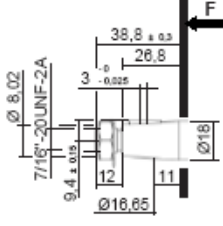
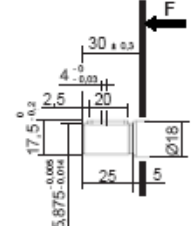
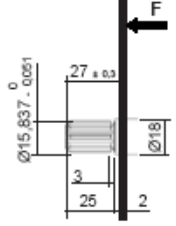
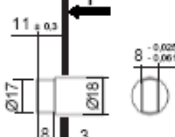
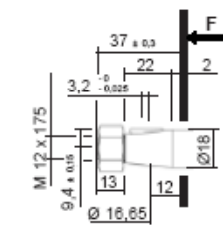
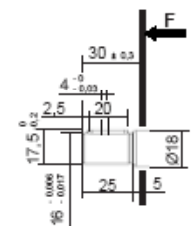
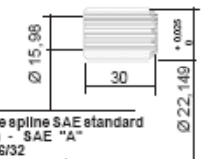
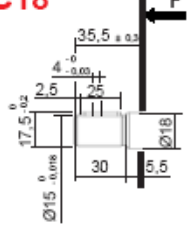
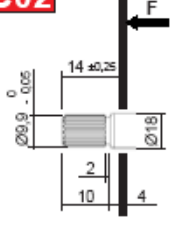

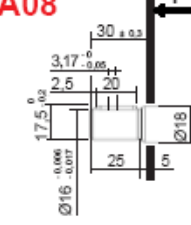
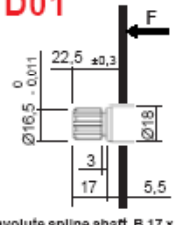
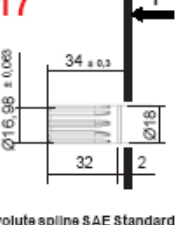
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE AFN**

**DRIVING SHAFT (FLAT FRONT BODY)**

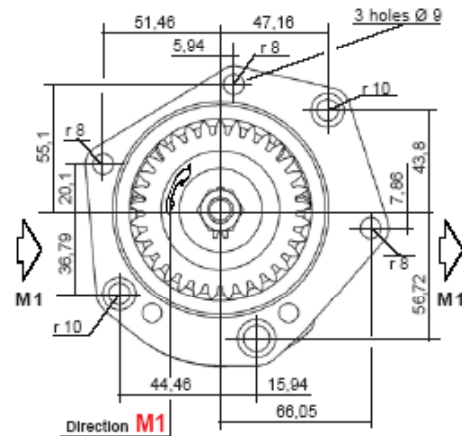
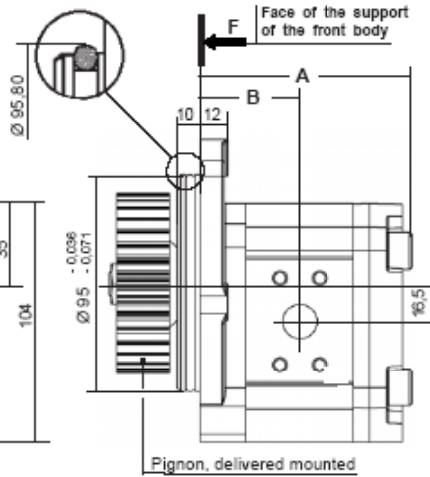
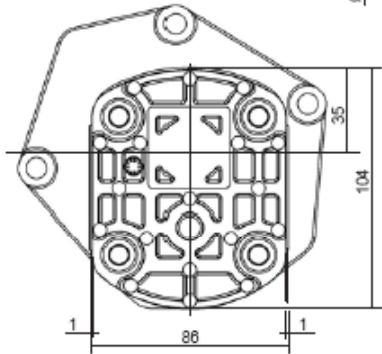
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1 / 8</p>  <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p>  <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p>  <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle <u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>C03</b></p>  <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1 / 5</p>  <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p>  <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p>  <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	
	<p><b>C18 *</b></p>  <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>	<p><b>C02</b></p>  <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks <u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
<p></p> <p>Consult us for availability</p>	<p><b>A08</b></p>  <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p>  <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks <u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p>  <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle <u>Maxi transmissible torque</u> <b>100 N.m</b></p>



SERIES 2 TYPE APK

**M 1** **APK 2** | VI Sign | **H L P** **P100** \* | XI Sign

For CODIFICATION, see data sheet **F.T.R 0243**

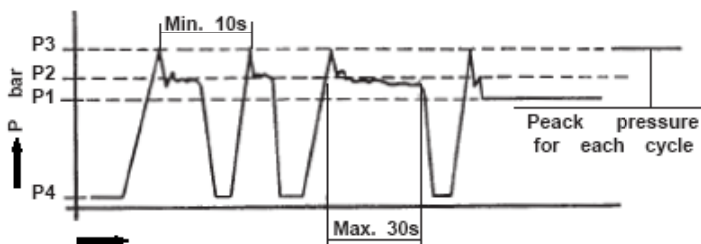


CHOICE of the PIGNONS		
	Type 1000	Type 1100
Nb teeth:	28	33
Module:	2,54	2,17
Pressure angle:	20°	17°
Angle of the helix:	14°8'	14°
Way of the helix:	left	left

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

**Seals kits:**  
**M1**  
 Nitrile: **K5069810 + X368928**  
 Viton: **K5069820**  
 (For manufacturer to since January 1984)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2006</b>	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
<b>2008</b>	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
<b>2010</b>	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2012</b>	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
<b>2014</b>	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
<b>2015</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
<b>2017</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
<b>2018</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
<b>2022</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
<b>2026</b>	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
<b>2030</b>	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7



On the hereunder indicated diagram, the maximum duty pressure are the following.  
 P1 Maximum pressure in continuous duty  
 P2 Maximum pressure in intermittent duty  
 P3 Max. Allowable peak pressure  
 P4 Pressure at Motor outlet ≤ P (Only in M2)

Consult us for availability



**SERIES 2 TYPE APK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET				
		ØC	D	E	ØF	G	ØC	D	E	ØF	G
<b>H</b> (HPI)  Ø F effective depth G	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15
	2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12
<b>C</b> (Square)  Ø F effective depth G	2006 to 2030	20	40		M6	12	15	35		M6	12
<b>B</b> (Italian)  4 holes Ø F effective depth G	2006 to 2012	15	30		M6	13	15	30		M6	13
	2014 to 2030	20	40		M6	13	15	30		M6	13
<b>F</b> (Threaded)  Ø F effective depth G	2006 to 2012				3/4" DSP	16				3/8" DSP	12
	2014 to 2022				1" BSP	18				1/2" BSP	14
<b>U</b> (Threaded SAE J 475)  Ø F effective depth G	2006 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
<b>Y</b> (ISO 6162)  Ø F effective depth G	2006 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



Consult us for availability

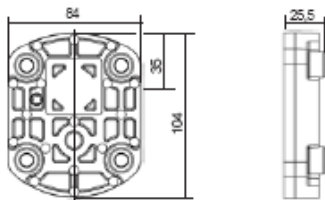


**SERIES 2 TYPE APK**

**REAR BODIES for MOTORS M1**

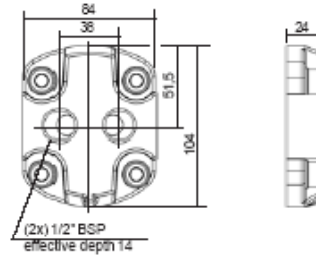
**L**

Standard



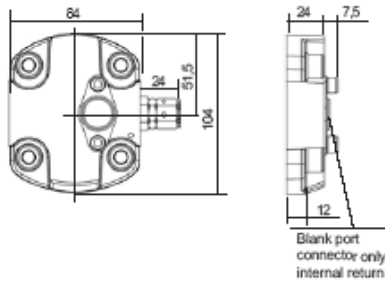
**A**

with ports



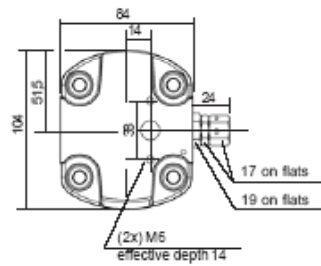
**X**

High pressure relief valve (Adjustable) Internal return



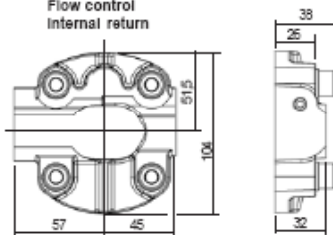
**T**

High pressure relief valve (Adjustable) External return



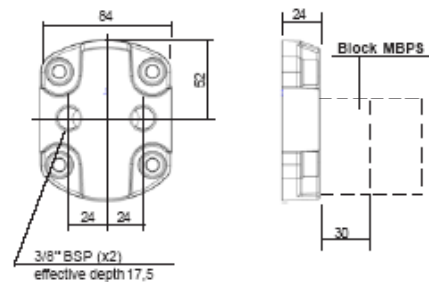
**Q**


Flow control Internal return



**AR**

Mounting with block configuration MBPS



 Consult us for availability

SERIES 2 TYPE APK

DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>

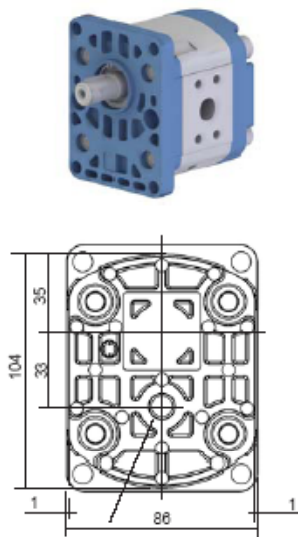
**B02** Cône 1 / 8



Delivered with nut: K100841

MaxI transmissible torque  
**250 N.m**

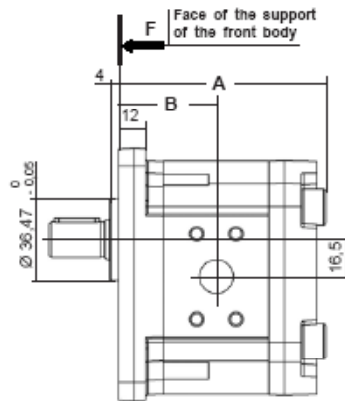
**SERIES 2 TYPE BAN**



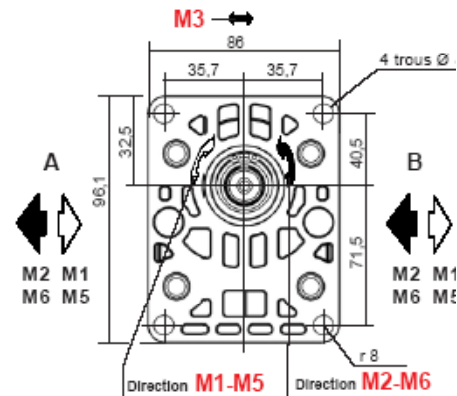
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**

**M** II Sign **BAN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



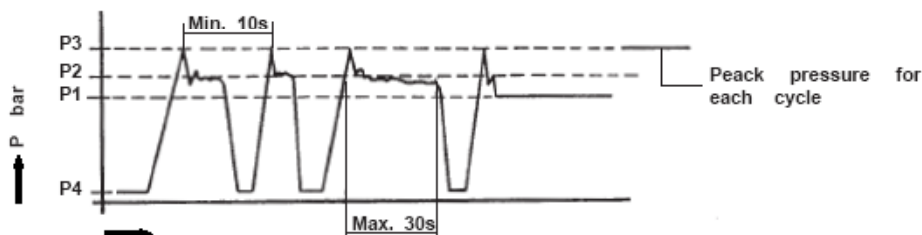
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacturer to since january 1984)  
**M3**  
Nitrile: K5071067 Viton: K5071068  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet  $\leq P$  (Only in M3)



Consult us for availability



**SERIES 2 TYPE BAN**

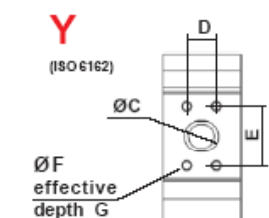
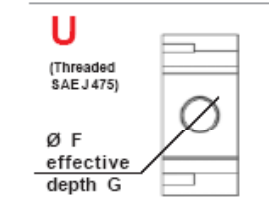
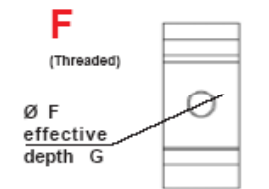
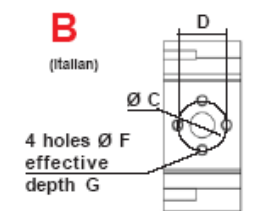
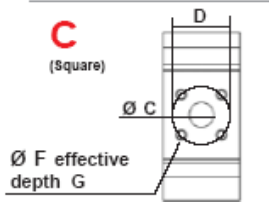
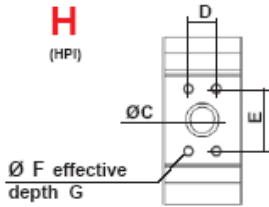
**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

**AFFECTATION**

1 way rotation without counter pressure		2 ways rotation with counter pressure	
<b>M1</b>	<b>M2</b>	<b>M3</b>	
ENTREE	SORTIE	ENTREE	SORTIE

1 way rotation with counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
<b>M5</b>	<b>M6</b>	<b>M3</b>			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET



Capacity	INLET					OUTLET					M1		M2		M3	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2006 to 2012	15	30		M6	13	15	30		M6	13						
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
2014 to 2022				1" BSP	18				1/2" BSP	14						
2006 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	A	B	B	A	B	A
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
2006 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	A	B	B	A	B	A
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
2006 to 2030	Only with rear body Type A															

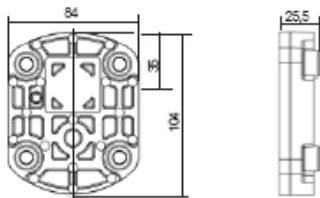


SERIES 2 TYPE BAN

REAR BODIES for MOTORS M1 - M2

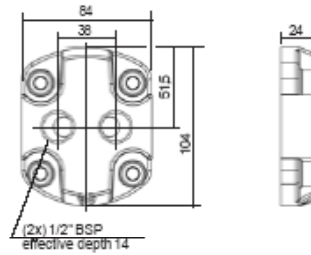
**L**

Standard



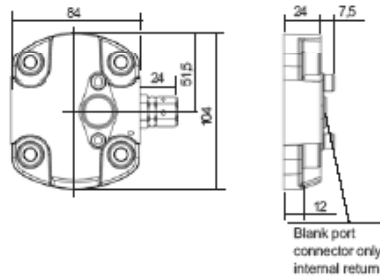
**A**

with ports



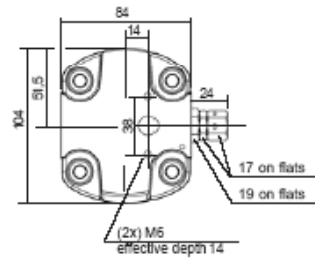
**X**

High pressure relief valve  
(Adjustable) Internal return



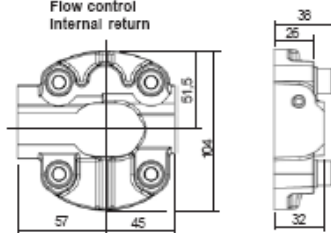
**T**

High pressure relief valve  
(Adjustable) External return



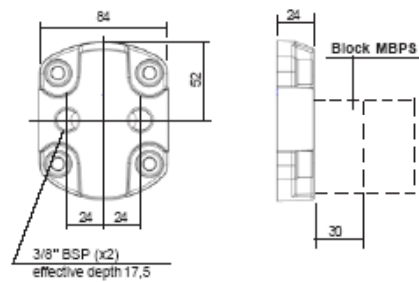
**Q**

Flow control  
Internal return



**AR**

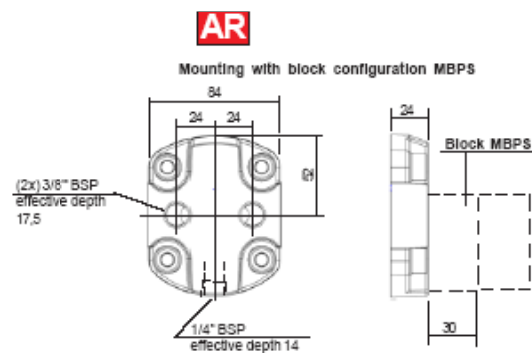
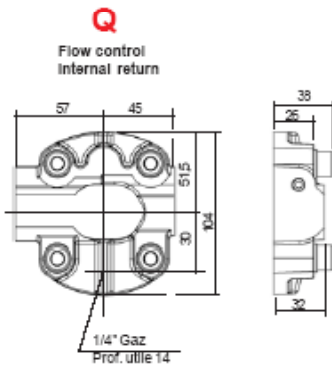
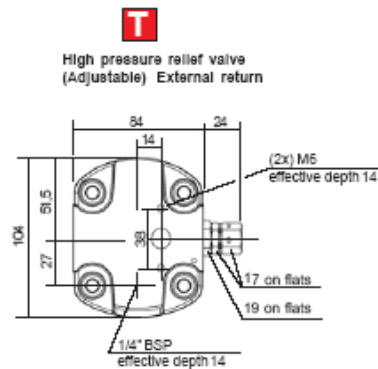
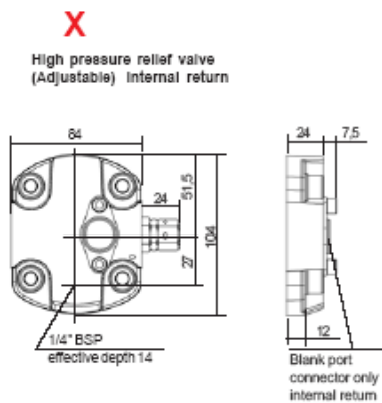
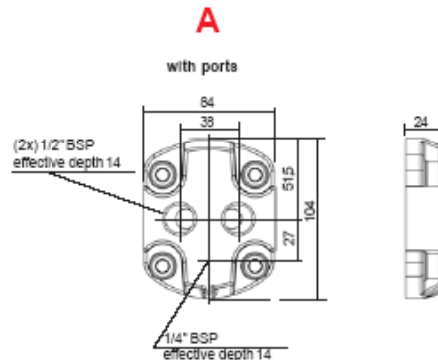
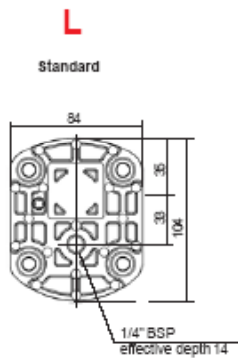
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE BAN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

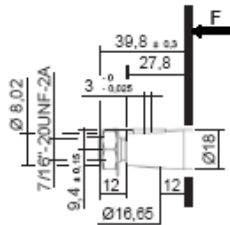
Consult us for availability

**SERIES 2 TYPE BAN**

**DRIVING SHAFT**

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
----------------------	-----------------------------	----------------------	-------------------

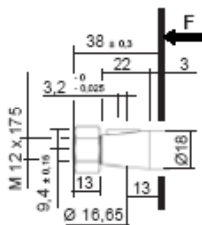
**B02** Cône 1/8



Delivered with nut: K100841

Maxi transmissible torque  
**250 N.m**

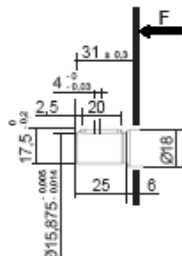
**C02** Cône 1/5



Delivered with nut: K106317

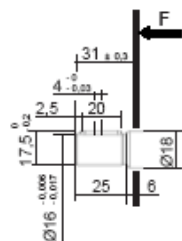
Maxi transmissible torque  
**220 N.m**

**A01**



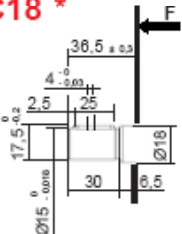
Maxi transmissible torque  
**50 N.m**

**C02**



Maxi transmissible torque  
**50 N.m**

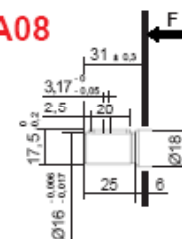
**C18 \***



Maxi transmissible torque  
**40 N.m**

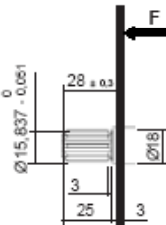
**\* ONLY 2006 to 2012**

**A08**



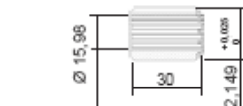
Maxi transmissible torque  
**50 N.m**

**A01**



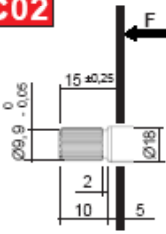
Involute spline SAE Standard  
5 teeth - Pitch 16/32 - Flat root  
30° Pressure angle  
Maxi transmissible torque  
**100 N.m**

Sleeve coupling 3 teeth / 13 teeth  
Ref.: K.5041310  
Mounting with splined shaft 30 A01



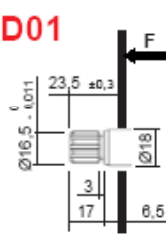
Involute spline SAE standard  
9 teeth - SAE "A"  
Pitch 16/32  
30° Pressure angle  
Involute spline SAE Standard  
13 teeth - SAE "B"  
Pitch 16/32  
30° Pressure angle

**C02**



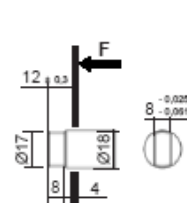
Involute spline shaft 17x15x1  
Standard NFE 22 141 - BNA 455  
Spigot on free flanks  
Maxi transmissible torque  
**100 N.m**

**D01**



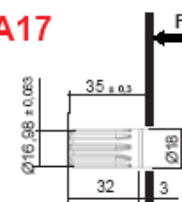
Involute spline shaft B 17 x 14  
9 teeth - Standard DIN 5482 - Module 1,6  
Spigot on free flanks  
Maxi transmissible torque  
**100 N.m**

**C03**



Maxi transmissible torque  
**70 N.m**

**A17**



Involute spline SAE Standard  
12 teeth - Pitch 16/32 - Flat root  
20° Pressure angle  
Maxi transmissible torque  
**100 N.m**

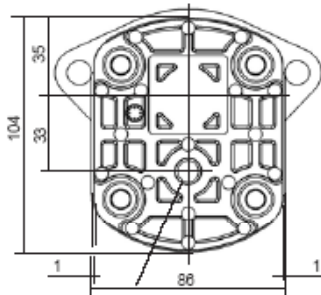
Consult us for availability



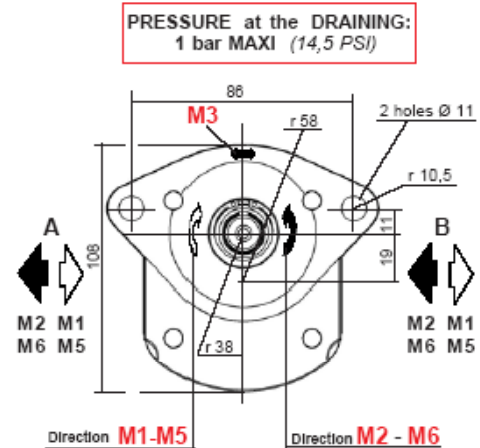
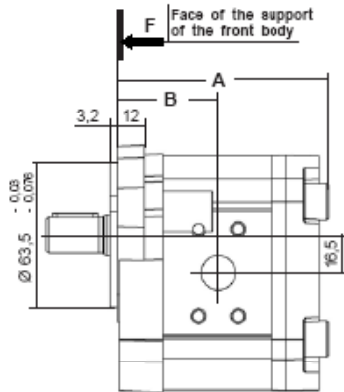
SERIES 2 TYPE CAN

**M** II Sign **CAN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**

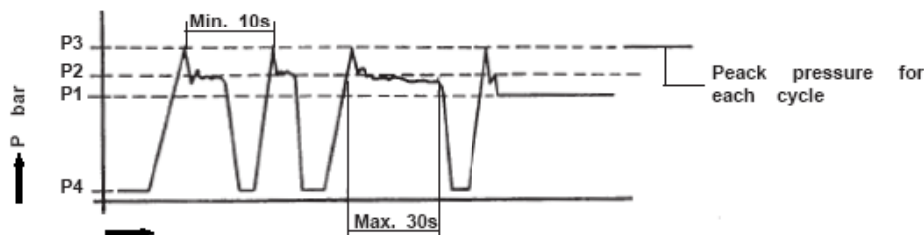
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071067 Viton: K5071068  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

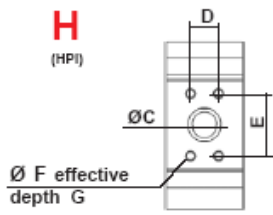
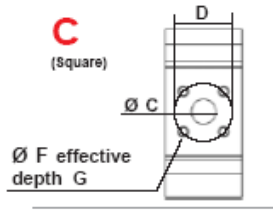
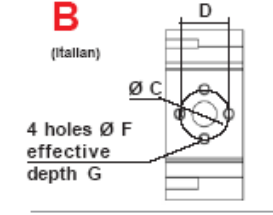
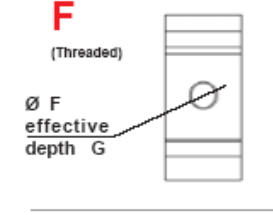
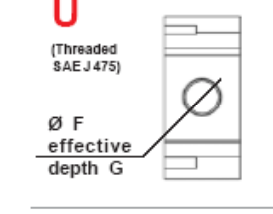
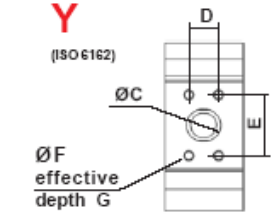

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



  Consult us for availability



**SERIES 2 TYPE CAN**

		CHOICE of the IMPLANTATIONS of PORTS										AFFECTATION						
		Port connector, see our Catalogue N° 70										1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure		
H (HPI)	 Ø F effective depth G	Capacity	INLET					OUTLET					M1		M2		M3	
			ØC	D	E	ØF	G	ØC	D	E	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET
C (Square)	 Ø F effective depth G	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
		2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
B (Italian)	 4 holes Ø F effective depth G	2006 to 2012	15	30		M6	13	15	30		M6	13						
		2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
F (Threaded)	 Ø F effective depth G	2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
		2014 to 2022				1" BSP	18				1/2" BSP	14						
U (Threaded SAE J475)	 Ø F effective depth G	2006 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	A	B	B	A	B	A
		2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
Y (ISO 6162)	 Ø F effective depth G	2006 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	A	B	B	A	B	A
		2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
X (without ports)		2006 to 2030	Only with rear body Type A															

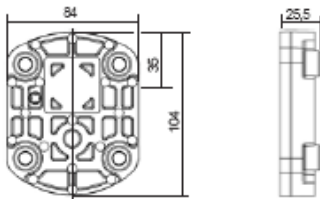
 Consult us for availability
 

SERIES 2 TYPE CAN

REAR BODIES for MOTORS M1 - M2

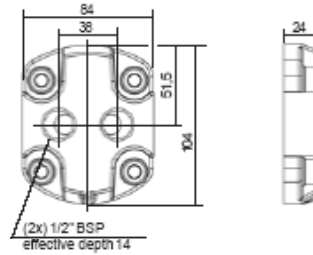
**L**

Standard



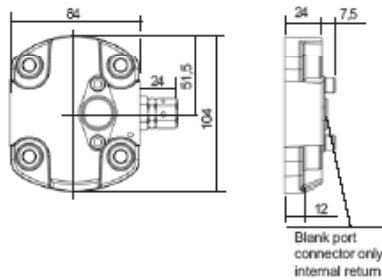
**A**

with ports



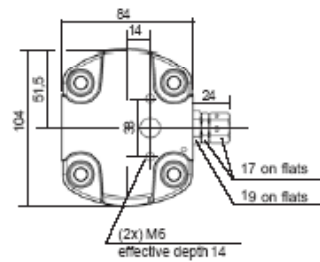
**X**

High pressure relief valve (Adjustable) internal return



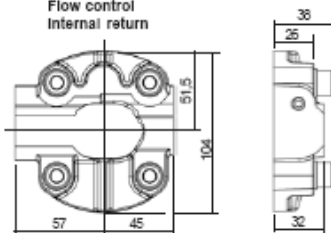
**T**

High pressure relief valve (Adjustable) External return



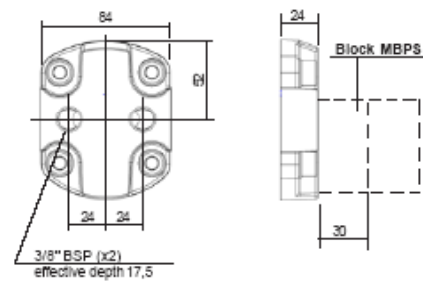
**Q**

Flow control internal return



**AR**

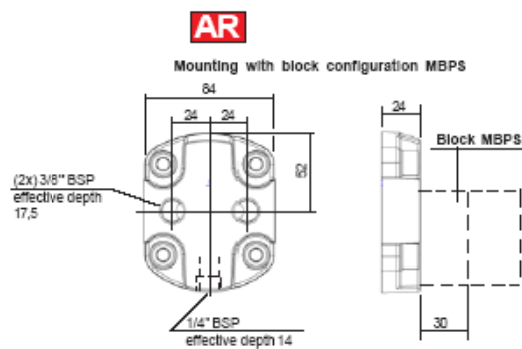
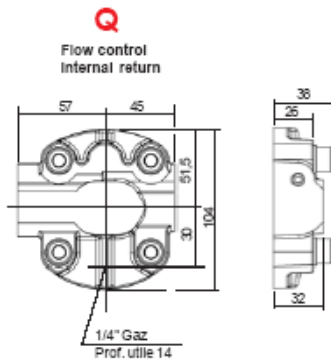
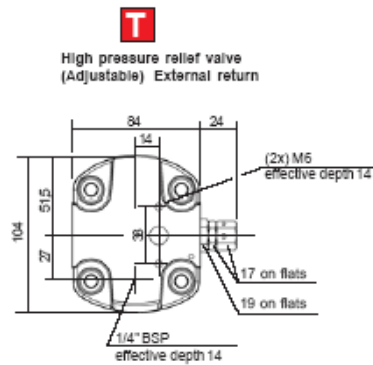
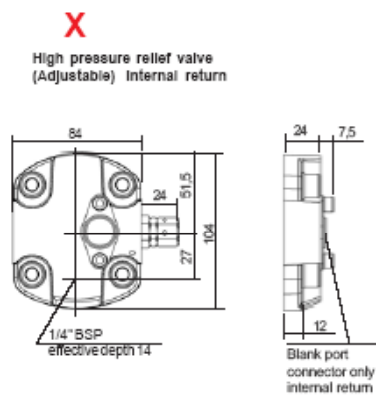
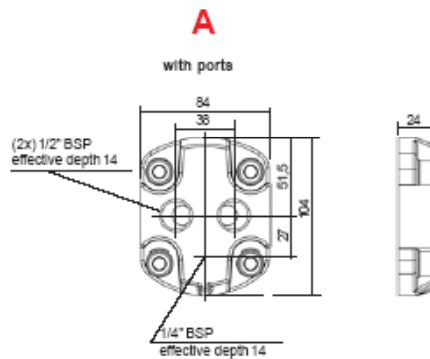
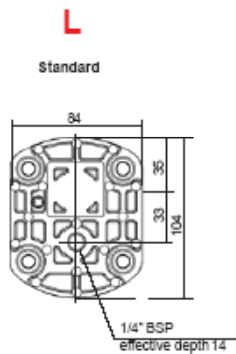
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE CAN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE CAN

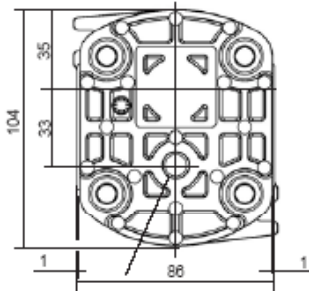
DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1 / 8</p> <p>Delivered with nut: K100641</p> <p><b>Maxi transmissible torque</b> 250 N.m</p>	<p><b>A01</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 3 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> 100 N.m</p> <p>Sleeve coupling 5 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft 30 A01</p> <p>Involute spline SAE standard 5 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>C02</b> Cône 1 / 5</p> <p>Delivered with nut: K106317</p> <p><b>Maxi transmissible torque</b> 220 N.m</p>	<p><b>C02</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><b>Maxi transmissible torque</b> 100 N.m</p>	
	<p><b>C18 *</b></p> <p><b>Maxi transmissible torque</b> 40 N.m</p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 3 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><b>Maxi transmissible torque</b> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><b>Maxi transmissible torque</b> 100 N.m</p>

Consult us for availability



SERIES 2 TYPE CEN

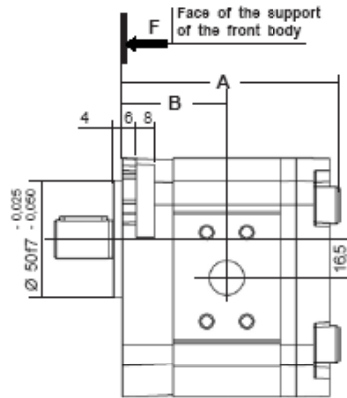


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

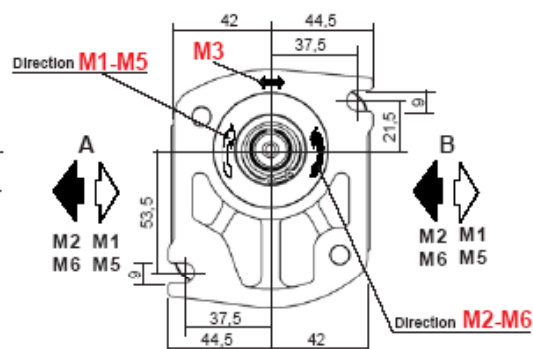
Max. tightening torque of the connexion **35 N.m**

**M** II Sign **CEN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



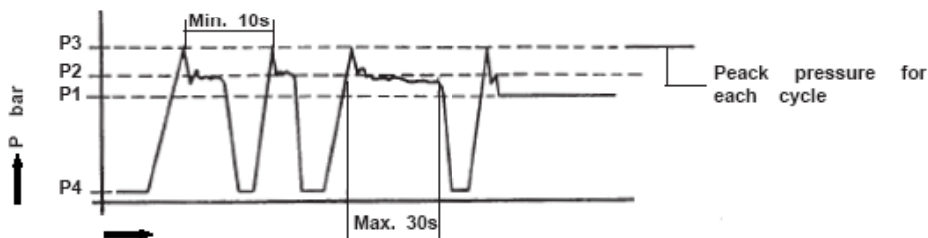
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacturer to since january 1984)  
**M3 - M5/M6**  
Nitrile: K5071067 Viton: K5071068  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



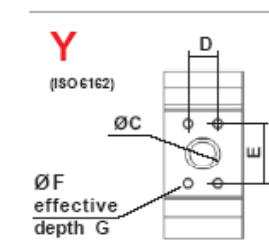
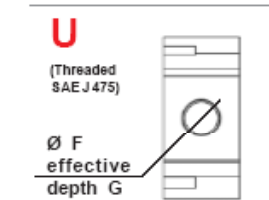
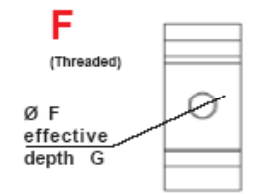
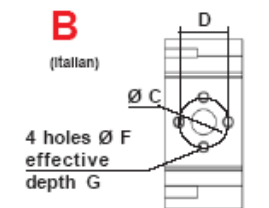
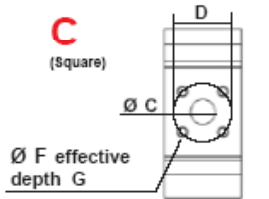
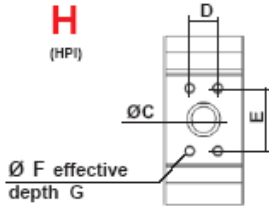
Consult us for availability



**SERIES 2 TYPE CEN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET					AFFECTATION					
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
											M1 ENTREE	M2 SORTIE	M5 INLET	M6 OUTLET	M3	
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2006 to 2012	15	30		M6	13	15	30		M6	13						
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
2014 to 2022				1" BSP	18				1/2" BSP	14						
2006 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	A	B	B	A	B	A
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
2006 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	A	B	B	A	B	A
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
2006 to 2030	Only with rear body Type A															



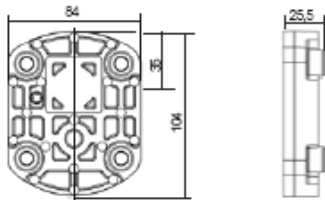
PUBLISHING 02 / 2012

SERIES 2 TYPE CEN

REAR BODIES for MOTORS M1 - M2

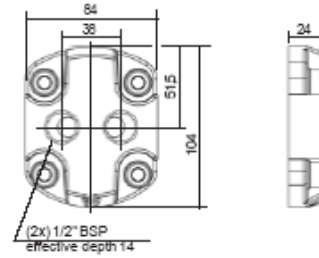
**L**

Standard



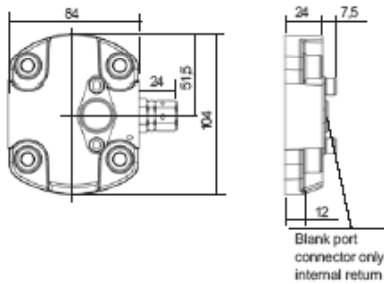
**A**

with ports



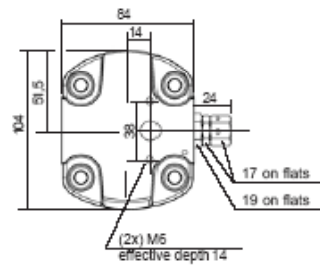
**X**

High pressure relief valve (Adjustable) Internal return



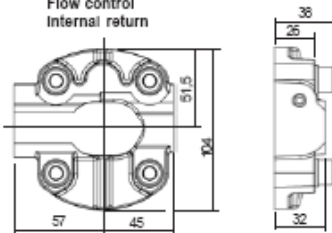
**T**

High pressure relief valve (Adjustable) External return



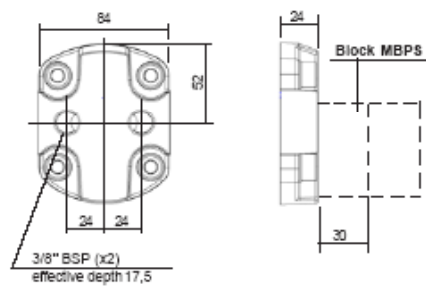
**Q**

Flow control Internal return



**AR**

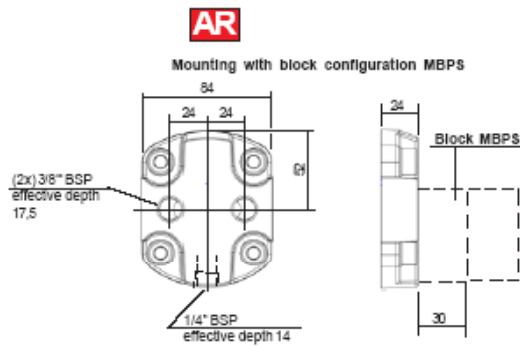
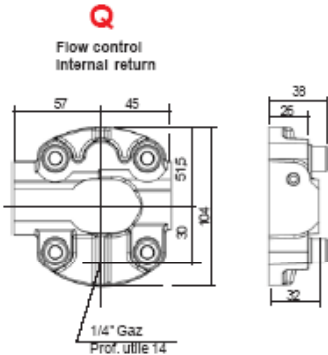
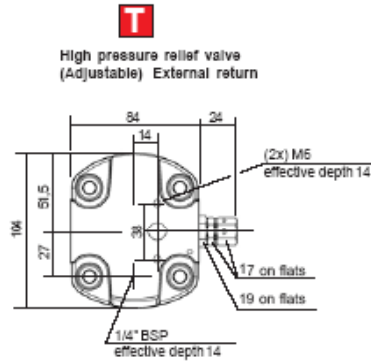
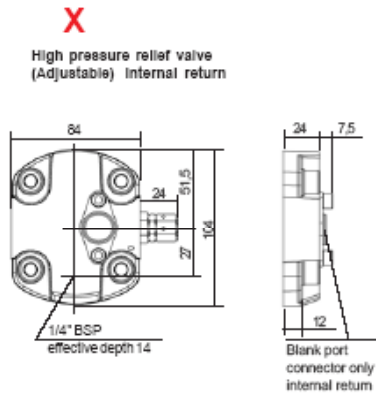
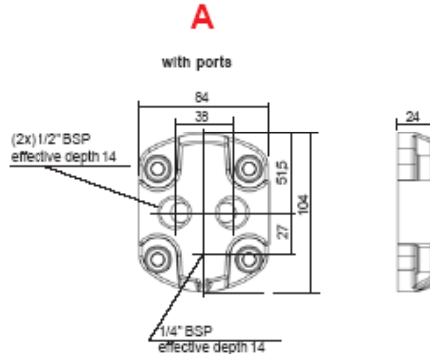
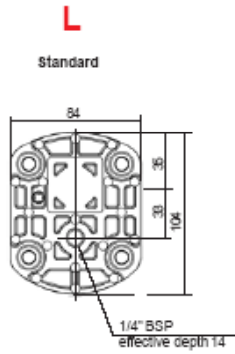
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE CEN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE CEN

DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p>Maxi transmissible torque <b>250 N.m</b></p>	<p><b>A01</b></p> <p>Maxi transmissible torque <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 3 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p>Maxi transmissible torque <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p>Maxi transmissible torque <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p>Maxi transmissible torque <b>220 N.m</b></p>	<p><b>C02</b></p> <p>Maxi transmissible torque <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p>Maxi transmissible torque <b>100 N.m</b></p>	
	<p><b>C18 *</b></p> <p>Maxi transmissible torque <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p>Maxi transmissible torque <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p>Maxi transmissible torque <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p>Maxi transmissible torque <b>100 N.m</b></p>

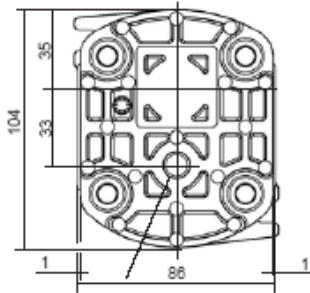
Consult us for availability



SERIES 2 TYPE CEK

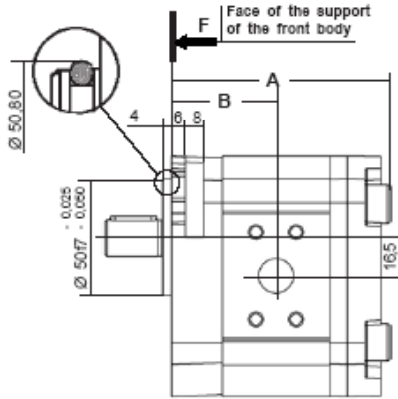
**M** II Sign **CE K 2** I VI I Sign **H L** IX Sign X Sign I XI I Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

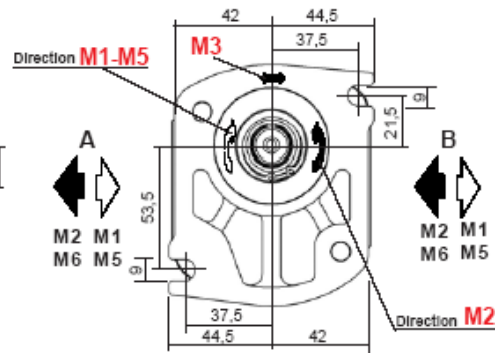


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



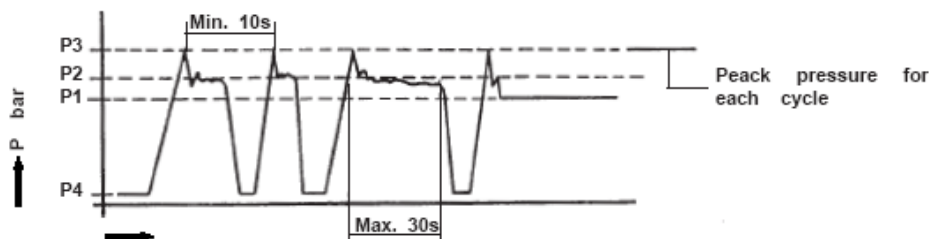
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	94,5	45,5
014 - 015 - 017 018 - 022	109	53
026 - 030	125	61

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069810 + K102238  
 Viton: K5069820  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K102238  
 Viton: K5071068  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



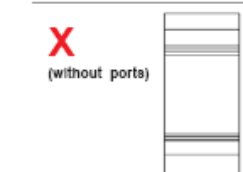
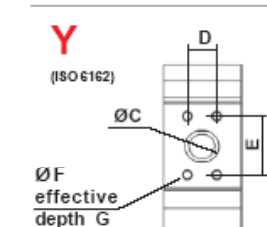
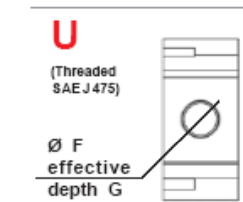
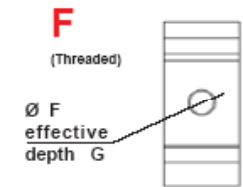
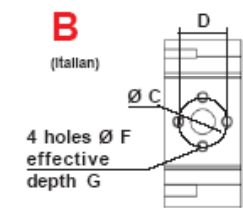
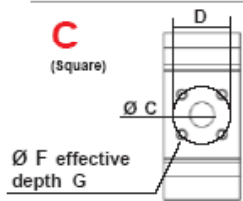
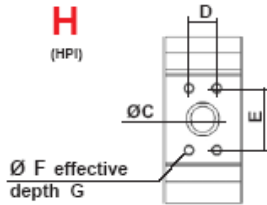
Consult us for availability



**SERIES 2 TYPE CEK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET					AFFECTATION					
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		2 ways rotation with counter pressure		M3	
											M1	M2	M5	M6	INLET	OUTLET
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12						
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2006 to 2012	15	30		M6	13	15	30		M6	13						
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
2014 to 2022				1" BSP	18				1/2" BSP	14						
2006 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	A	B	B	A	B	A
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
2006 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	A	B	B	A	B	A
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
2006 to 2030	Only with rear body Type A															

Consult us for availability

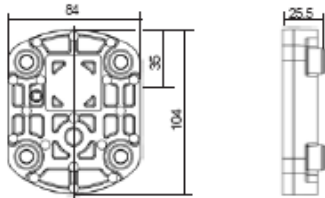


SERIES 2 TYPE CEK

REAR BODIES for MOTORS M1 - M2

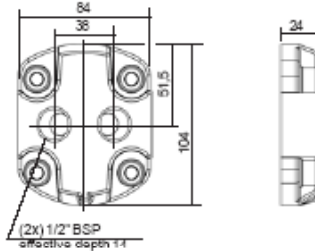
**L**

Standard



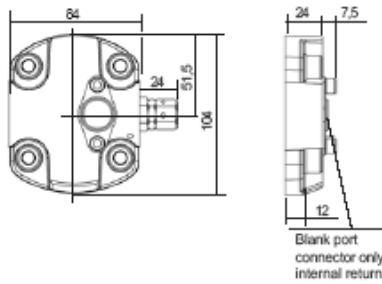
**A**

with ports



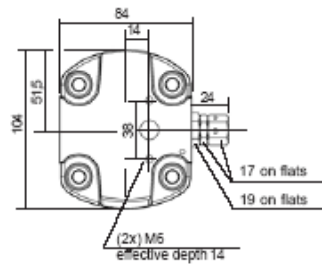
**X**

High pressure relief valve (Adjustable) Internal return



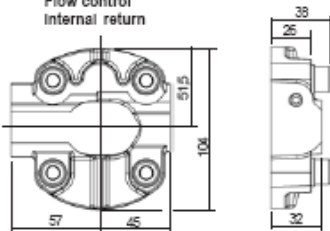
**T**

High pressure relief valve (Adjustable) External return



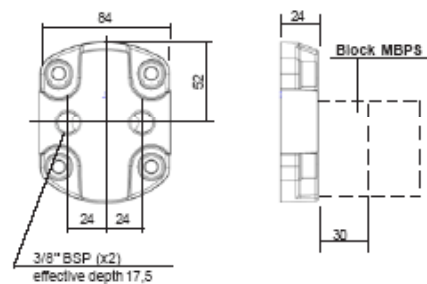
**Q**

Flow control Internal return



**AR**

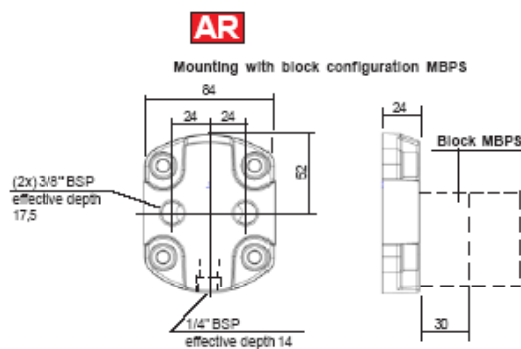
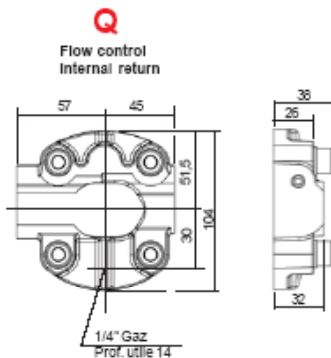
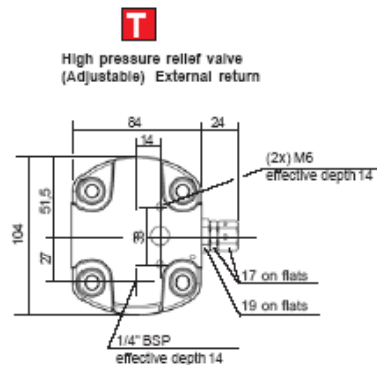
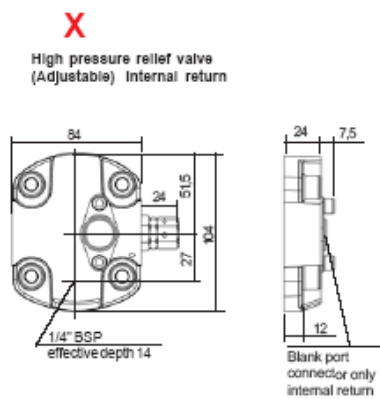
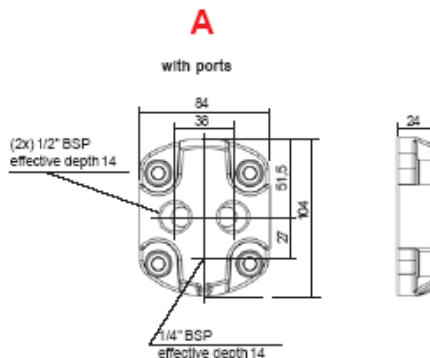
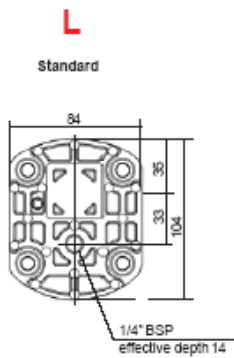
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE CEK**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE CEK

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NFE 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability

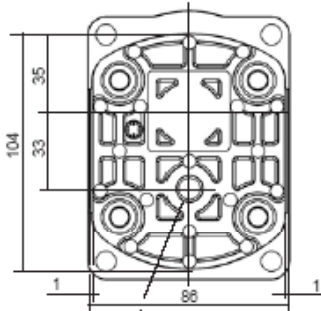


**SERIES 2 TYPE DBN**



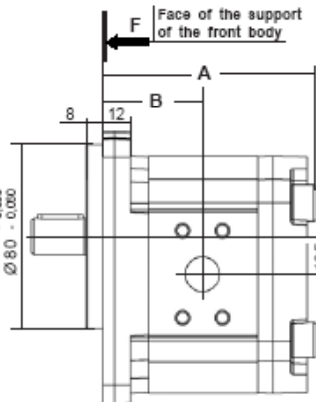
**M** II Sign **DB N 2** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

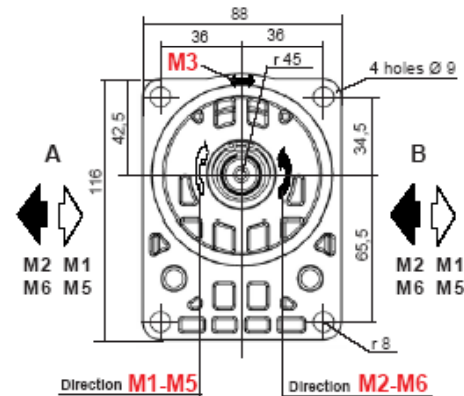


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**



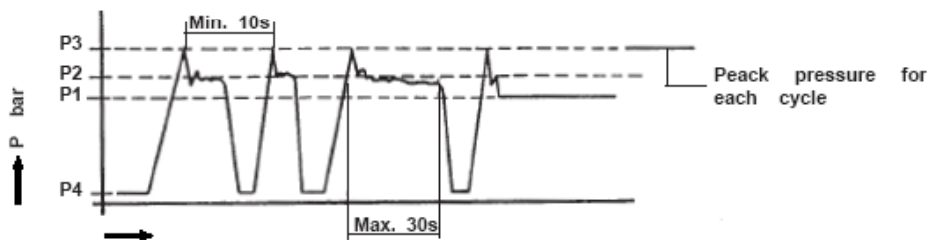
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5063810 Viton: K5069820  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 Viton: K5071068  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	///	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	///	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



  Consult us for availability



**SERIES 2 TYPE DBN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION																						
																						1 way rotation without counter pressure		2 ways rotation with counter pressure																				
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M3	M4	M5	M6	ENTREE	SORTIE	ENTREE	SORTIE	M5	M6	M3	M4	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET													
<b>H</b> (HPI)  Ø F effective depth G	2006 to 2012 2014 to 2030	20	17,4	38	M6	12	15	17,4	38	M6	15							A	B	B	A	B	A			B	A																	
<b>C</b> (Square)  Ø F effective depth G	2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A																											
<b>B</b> (Italian)  4 holes Ø F effective depth G	2006 to 2012 2014 to 2030	15	30		M6	13	15	30		M6	13							A	B	B	A	B	A																					
<b>F</b> (Threaded)  Ø F effective depth G	2006 to 2012 2014 to 2022				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A																											
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2006 to 2012 2014 to 2022 2026-2030				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A																											
<b>Y</b> (ISO 6162)  Ø F effective depth G	2006 to 2012 2014 to 2022 2026-2030	20	17,4	38	M8	14	15	17,4	38	M8	14							A	B	B	A	B	A																					
<b>X</b> (without ports) 	2006 to 2030	Only with rear body Type A																																										

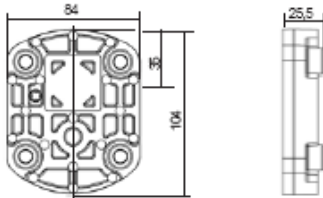


**SERIES 2 TYPE DBN**

**REAR BODIES for MOTORS M1 - M2**

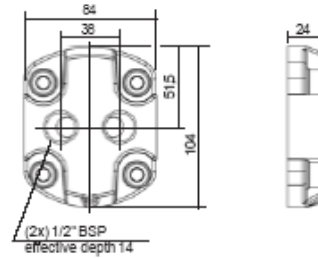
**L**

Standard



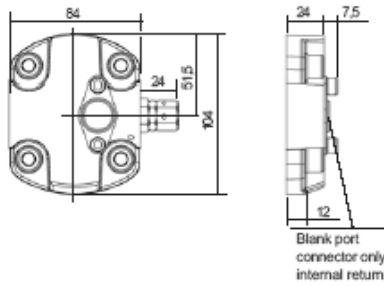
**A**

with ports



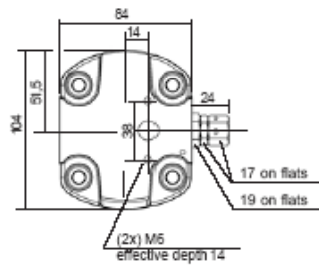
**X**

High pressure relief valve (Adjustable) Internal return



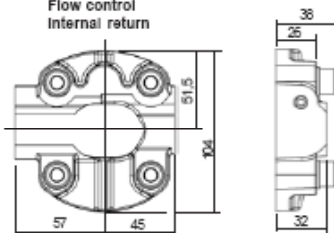
**T**

High pressure relief valve (Adjustable) External return



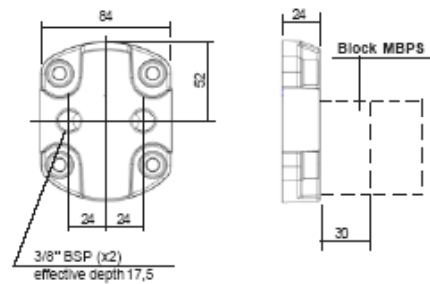
**Q**


Flow control Internal return



**AR**

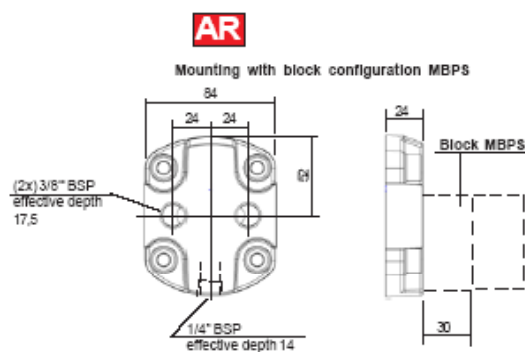
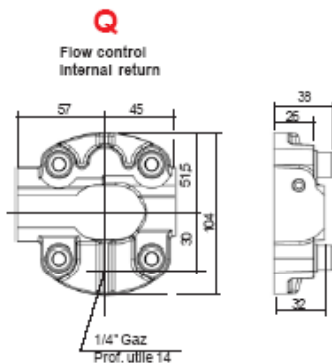
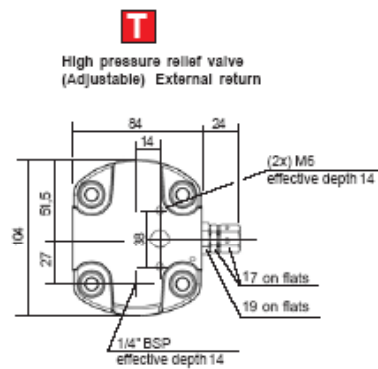
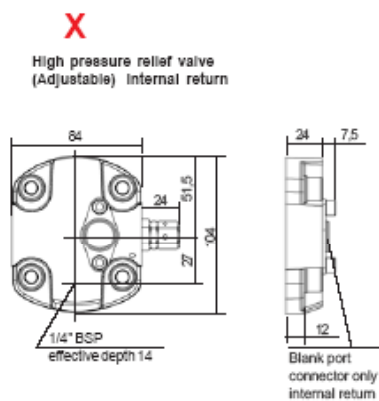
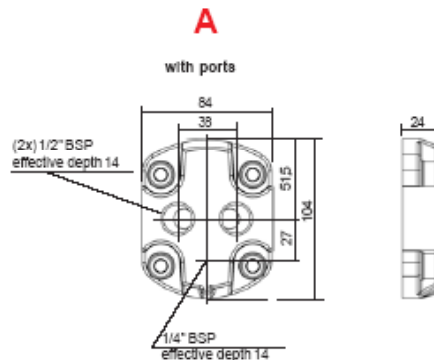
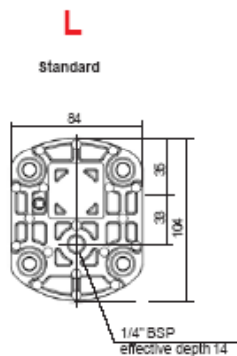
Mounting with block configuration MBPS



 Consult us for availability

**SERIES 2 TYPE DBN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE DBN

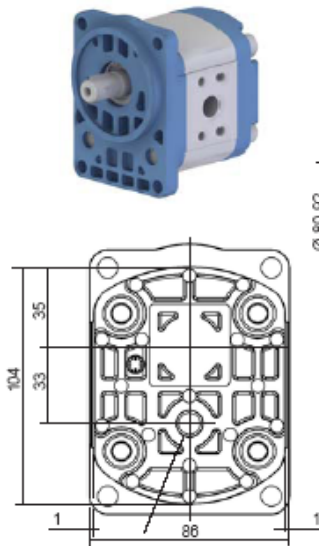
DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE standard 3 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 3 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

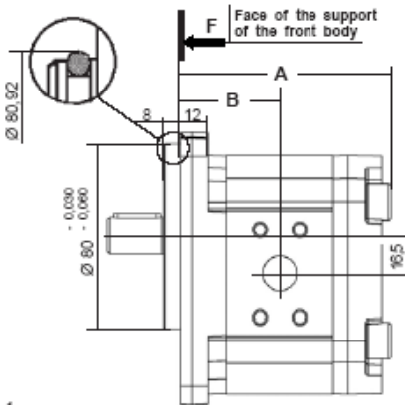
Consult us for availability



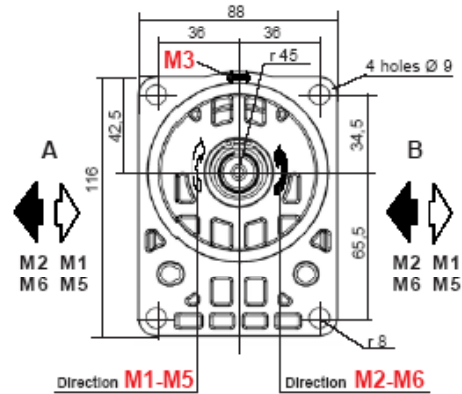
SERIES 2 TYPE DBK



**M** II Sign **DBK 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
 Max. tightening torque of the connexion **35 N.m**

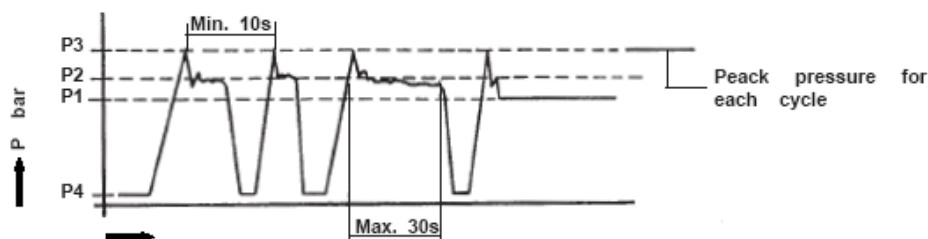
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069810 + K101517  
 Viton: K5069820 + K104406  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K101517  
 Viton: K5071068 + K104406  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



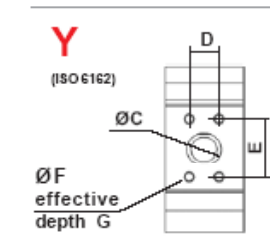
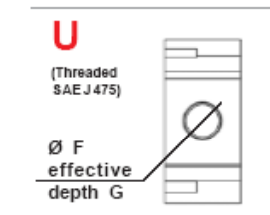
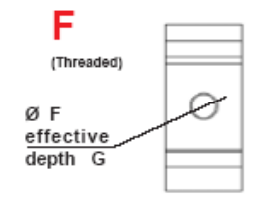
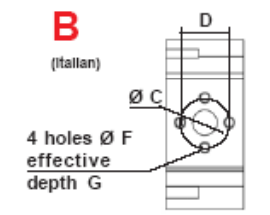
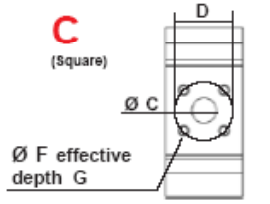
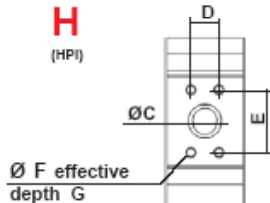
Consult us for availability



**SERIES 2 TYPE DBK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET						AFFECTATION					
	INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure			1 way rotation with counter pressure			M3		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE	M1 SORTIE	M2 ENTREE	M2 SORTIE	M5 INLET	M5 OUTLET	M6 INLET	M6 OUTLET	M3 INLET	M3 OUTLET		
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A	B	A	B	A		
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12												
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A	B	A		
2006 to 2012	15	30		M6	13	15	30		M6	13												
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A		
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A	B	A	B	A		
2014 to 2022				1" BSP	18				1/2" BSP	14												
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A		
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												
2006 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A		
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												
2006 to 2030	Only with rear body Type A																					

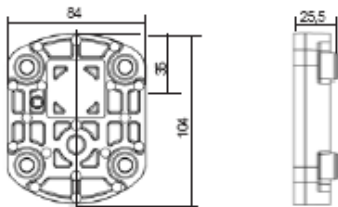


**SERIES 2 TYPE DBK**

REAR BODIES for MOTORS M1 - M2

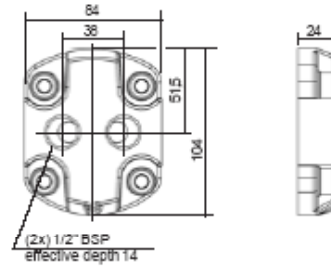
**L**

Standard



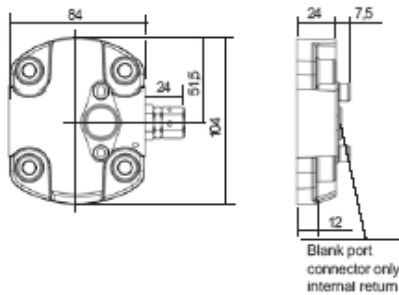
**A**

with ports



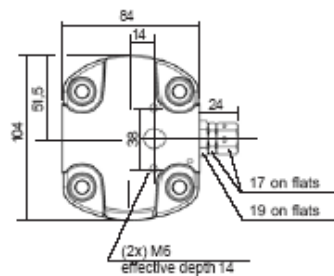
**X**

High pressure relief valve (Adjustable) Internal return



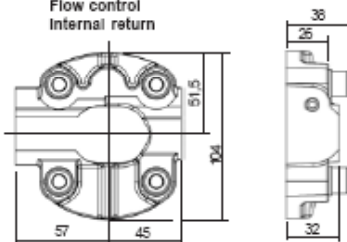
**T**

High pressure relief valve (Adjustable) External return



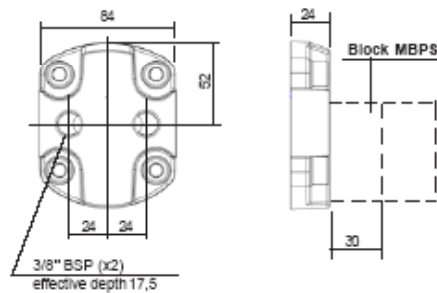
**Q**

Flow control Internal return



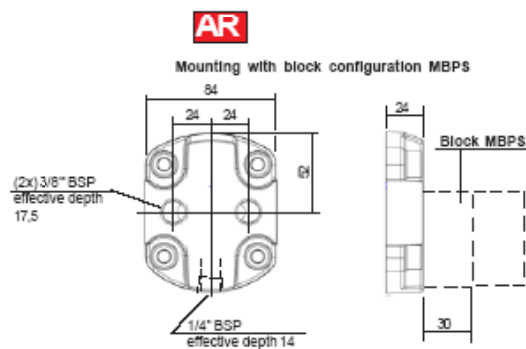
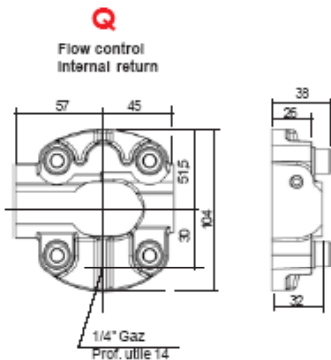
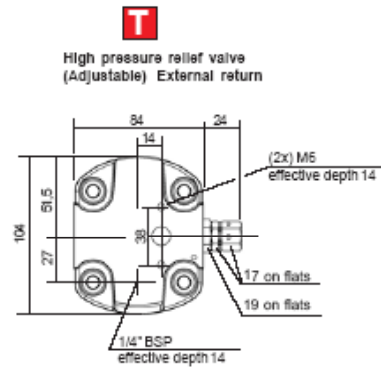
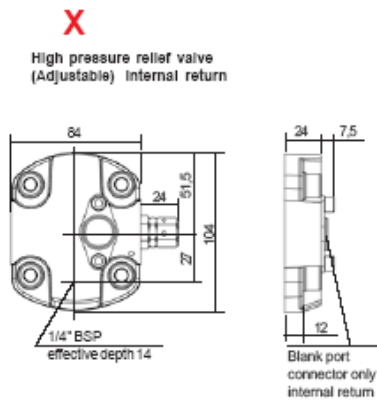
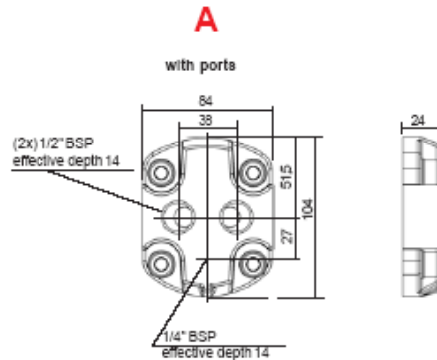
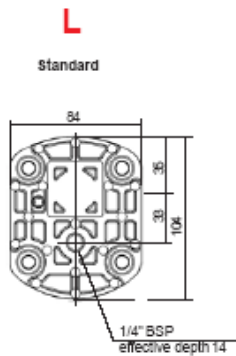
**AR**

Mounting with block configuration MBPS



**SERIES 2 TYPE DBK**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE DBK

DRIVING SHAFT

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1 / 8</p> <p>Delivered with nut: K100641</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1 / 5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability

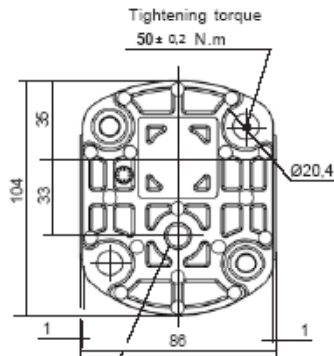


SERIES 2 TYPE DCN



**M** II Sign **DCN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

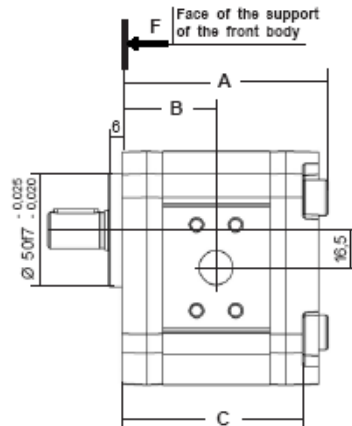
For CODIFICATION, see data sheet **F.T.R 0243**



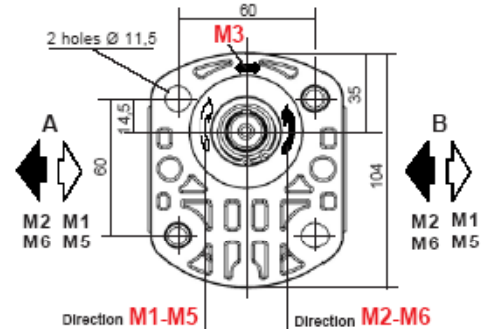
Tightening torque  
50 ± 0.2 N.m

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



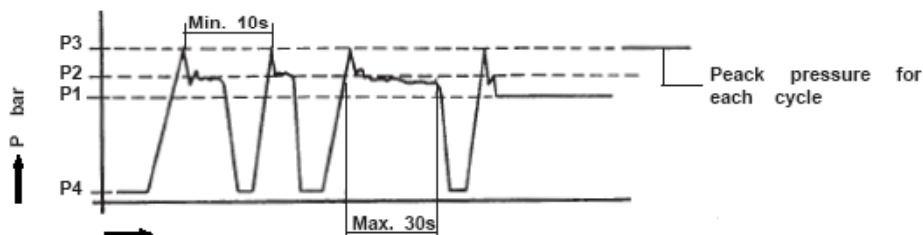
CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069890  
Viton: K5069820  
(For manufacturer to since january 1984)  
**M3 - M5/M6**  
Nitrile: K5073287  
Viton: K5071068  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	/	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	/	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	/	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	/	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



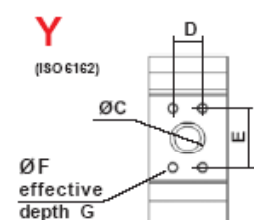
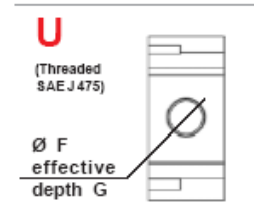
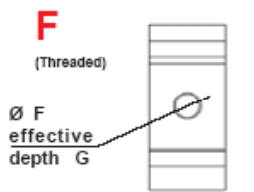
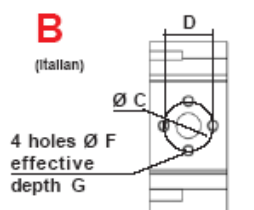
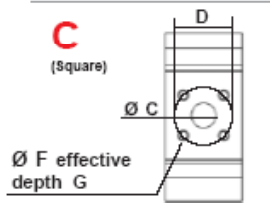
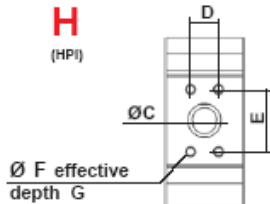
Consult us for availability



**SERIES 2 TYPE DBN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE		M2 ENTREE SORTIE		M5 ENTREE SORTIE		M6 ENTREE SORTIE		M3							
											INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A	B	A	B	A						
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	B	A	B	A						
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A	B	A						
2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A						
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A						
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A	B	A	B	A						
2014 to 2022				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	B	A	B	A						
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A						
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A						
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20	A	B	B	A	B	A	B	A	B	A						
2006 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A						
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A						
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A						
2006 to 2030	Only with rear body Type A																									

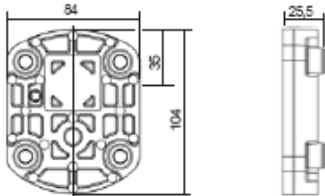


**SERIES 2 TYPE DBN**

**REAR BODIES for MOTORS M1 - M2**

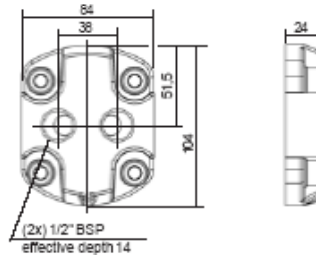
**L**

Standard



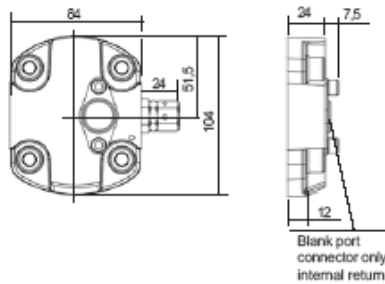
**A**

with ports



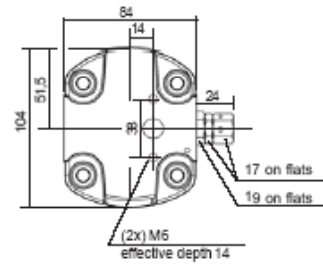
**X**

High pressure relief valve (Adjustable) Internal return



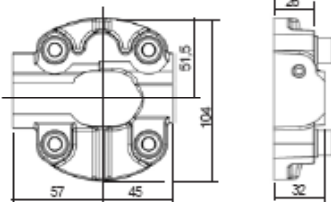
**T**

High pressure relief valve (Adjustable) External return



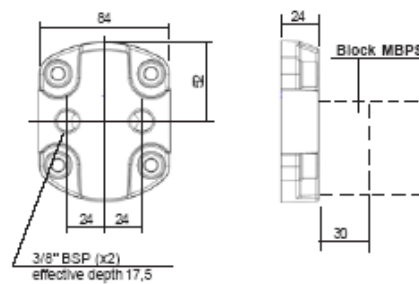
**Q**

Flow control Internal return



**AR**

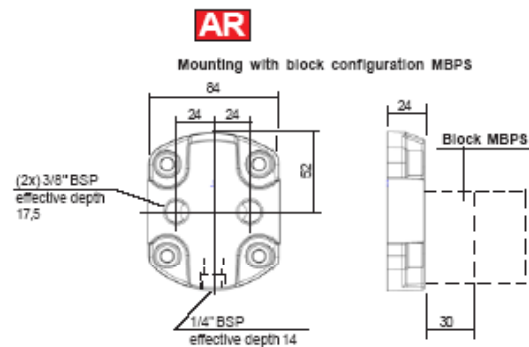
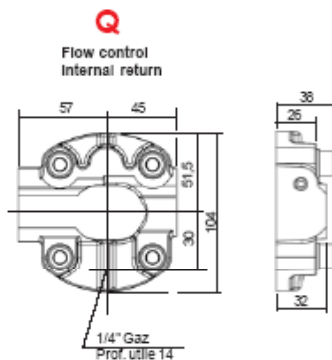
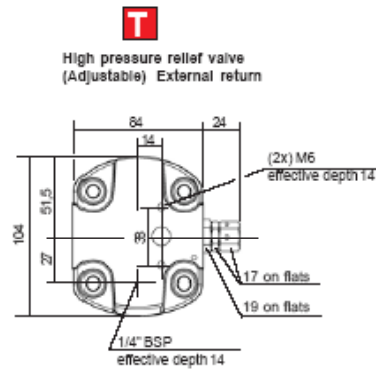
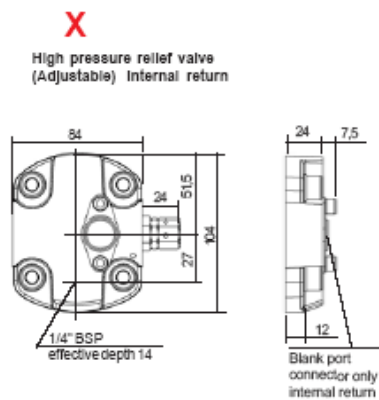
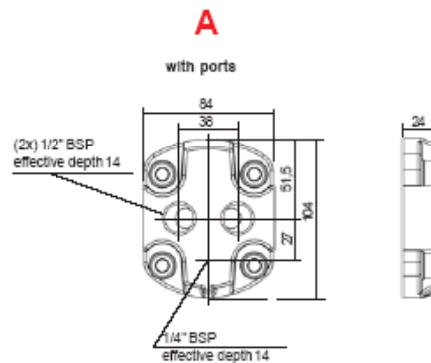
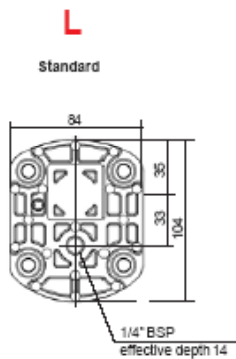
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE DBN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE DBN

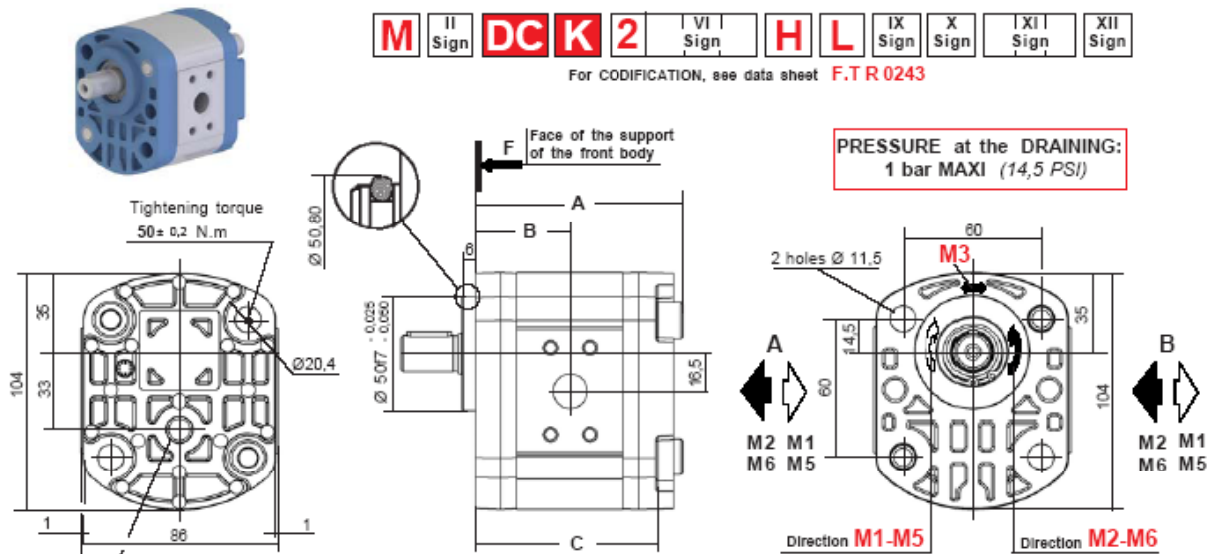
DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><b>Maxi transmissible torque</b> 250 N.m</p>	<p><b>A01</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle <b>Maxi transmissible torque</b> 100 N.m</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><b>Maxi transmissible torque</b> 220 N.m</p>	<p><b>C02</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 spigot on free flanks <b>Maxi transmissible torque</b> 100 N.m</p>	
	<p><b>C18 *</b></p> <p><b>Maxi transmissible torque</b> 40 N.m</p> <p><b>* ONLY 2006 to 2012</b></p>		
	<p><b>A08</b></p> <p><b>Maxi transmissible torque</b> 50 N.m</p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks <b>Maxi transmissible torque</b> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle <b>Maxi transmissible torque</b> 100 N.m</p>

Consult us for availability



**SERIES 2 TYPE DCK**



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**

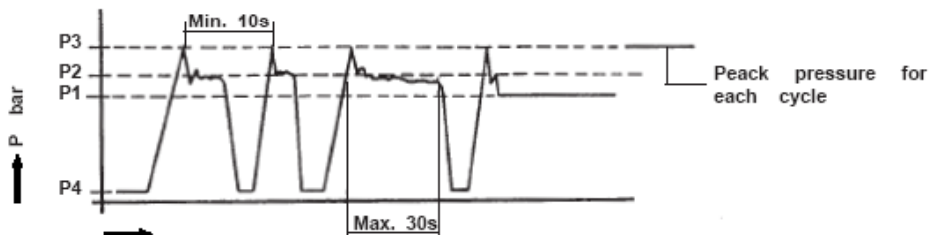
CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069890 + K101513  
Viton: K5069820 + K101326  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5073287 + K101513  
Viton: K5071068 + K101326  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



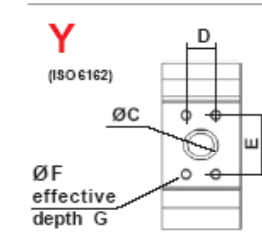
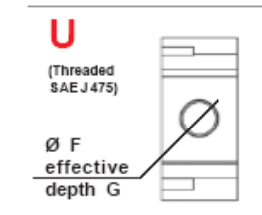
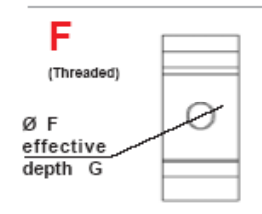
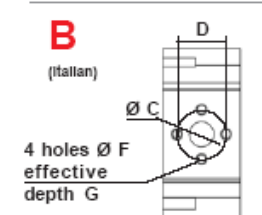
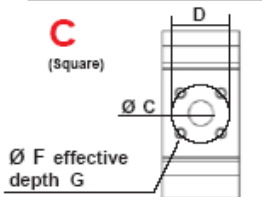
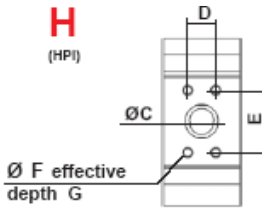
Consult us for availability



**SERIES 2 TYPE DCK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12
2006 to 2030	20	40		M6	12	15	35		M6	12
2006 to 2012	15	30		M6	13	15	30		M6	13
2014 to 2030	20	40		M6	13	15	30		M6	13
2006 to 2012				3/4" BSP	16				3/8" BSP	12
2014 to 2022				1" BSP	18				1/2" BSP	14
2006 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
2006 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
2006 to 2030	Only with rear body Type A									

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1 ENTREE SORTIE		M2 ENTREE SORTIE		M3	
1 way rotation with counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A

Consult us for availability

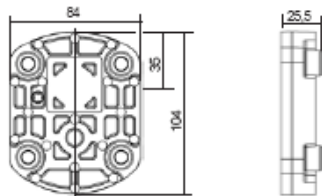
**JTEKT**  
**HPI**

**SERIES 2 TYPE DCK**

REAR BODIES for MOTORS M1 - M2

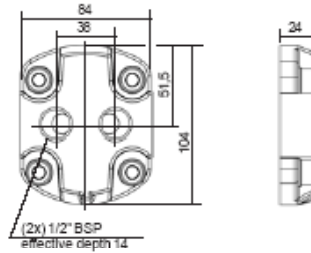
**L**

Standard



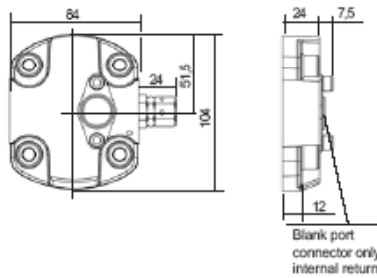
**A**

with ports



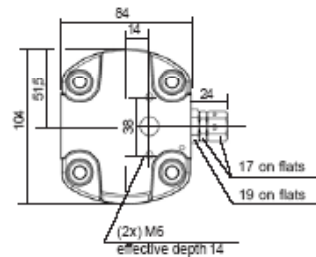
**X**

High pressure relief valve (Adjustable) Internal return



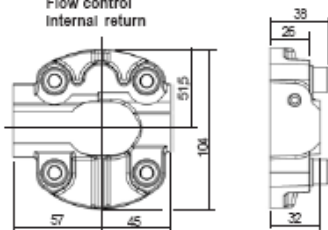
**T**

High pressure relief valve (Adjustable) External return



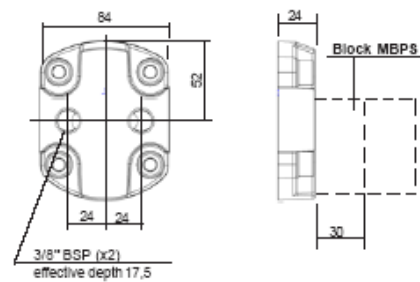
**Q**


Flow control Internal return



**AR**

Mounting with block configuration MBPS



 Consult us for availability

SERIES 2 TYPE DCK

DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> 250 N.m</p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> 70 N.m</p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> 220 N.m</p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> 40 N.m</p> <p>* ONLY 2006 to 2012</p>		
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>

Consult us for availability

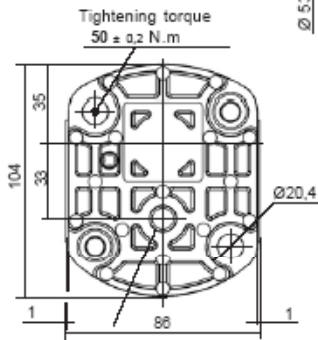


SERIES 2 TYPE DCK



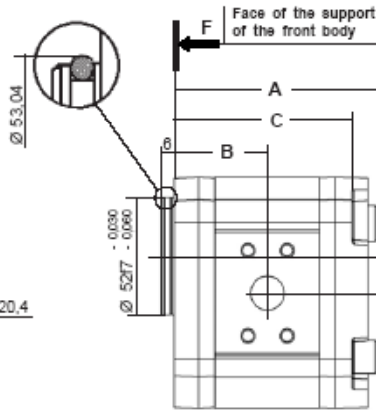
**M** II Sign **DU K 2** VI Sign **H L 4 0 D02** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



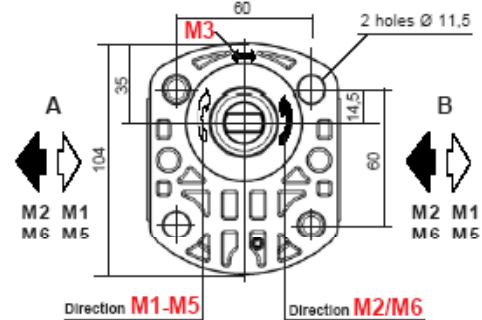
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

**ATTENTION:**  
Mounting without tightness seal



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

Seals kits:

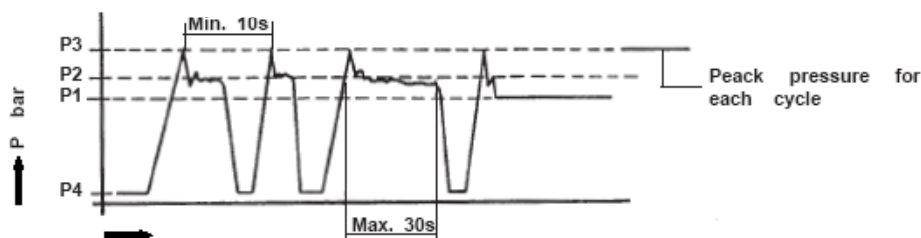
**M1 - M2**  
Nitrile: K5069890 + K102539  
Viton: K5069820 + K107013  
(For manufacturer to since January 1984)

**M3 - M5/M6**  
Nitrile: K5073287 + K102539  
Viton: K5071068 + K107013  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> Bar	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> Bar	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> Bar	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> Bar	///	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> Bar	///	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150</sup> Bar	///	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150</sup> Bar	///	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



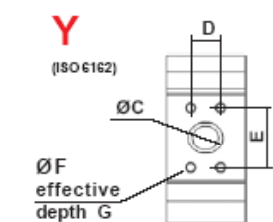
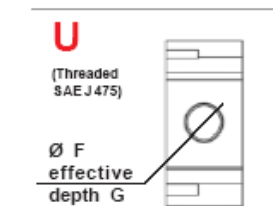
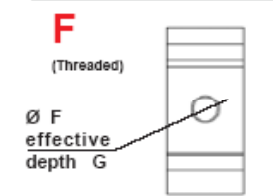
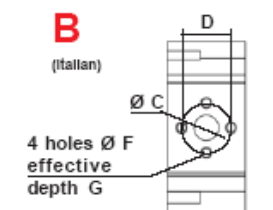
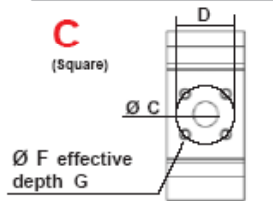
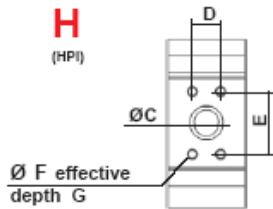
Consult us for availability



**SERIES 2 TYPE DCK**

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12
2006 to 2012	20	40		M6	12	15	35		M6	12
2014 to 2030	20	40		M6	13	15	30		M6	13
2006 to 2012	15	30		M6	13	15	30		M6	13
2014 to 2030	20	40		M6	13	15	30		M6	13
2006 to 2012				3/4" BSP	16				3/8" BSP	12
2014 to 2022				1" BSP	18				1/2" BSP	14
2006 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
2006 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
2006 to 2030	Only with rear body Type A									

AFFECTATION					
1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
M1	M2	M5	M6	M3	
ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A



Consult us for availability

**JTEKT**



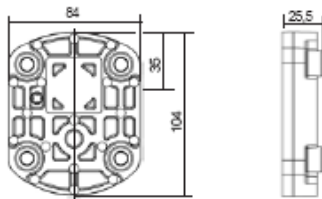
PUBLISHING 02 / 2012

SERIES 2 TYPE DUK

REAR BODIES for MOTORS M1 - M2

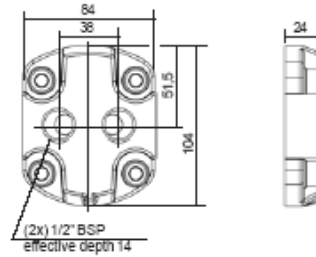
**L**

Standard



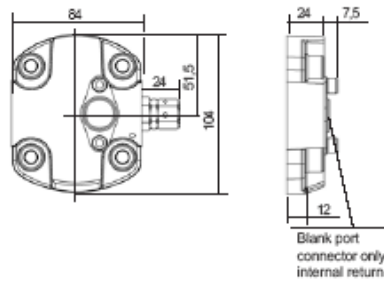
**A**

with ports



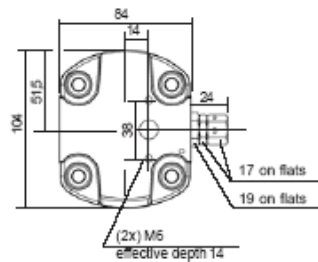
**X**

High pressure relief valve (Adjustable) Internal return



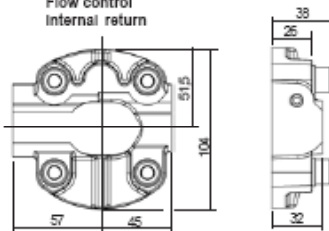
**T**

High pressure relief valve (Adjustable) External return



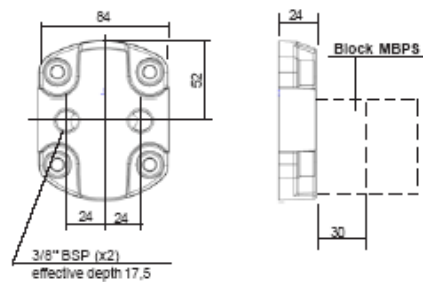
**Q**

Flow control Internal return



**AR**

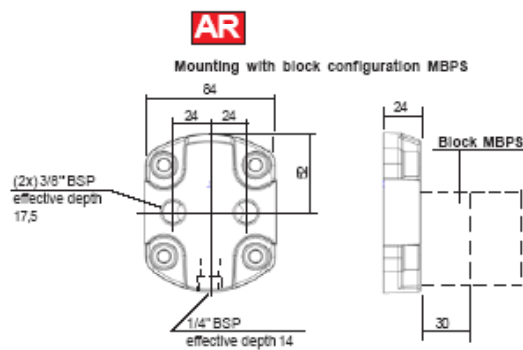
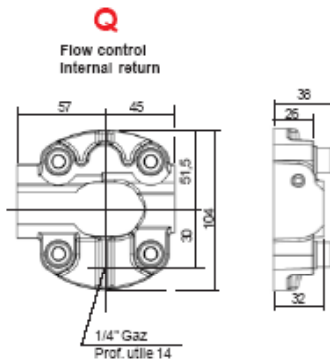
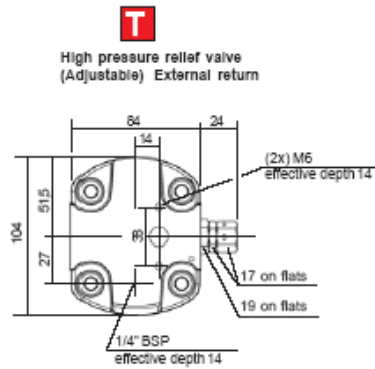
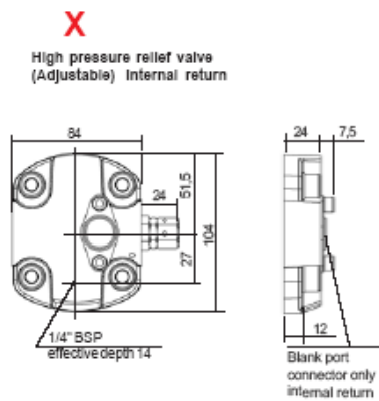
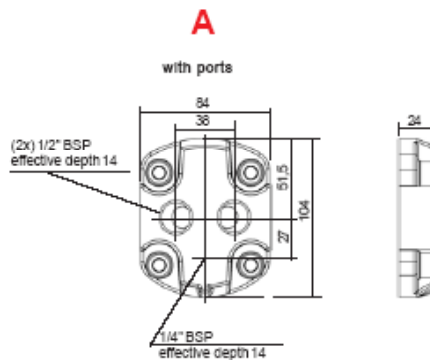
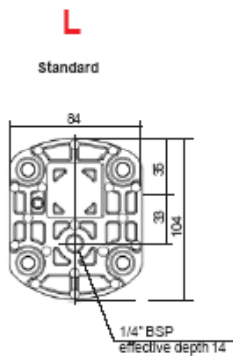
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE DUK**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

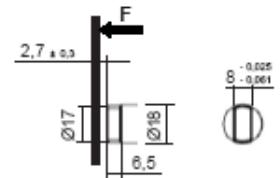
Consult us for availability

**SERIES 2 TYPE DUK**

**DRIVING SHAFT (DUK)**

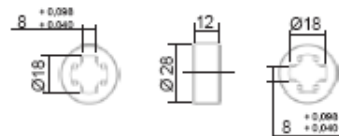
Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>

**D02**

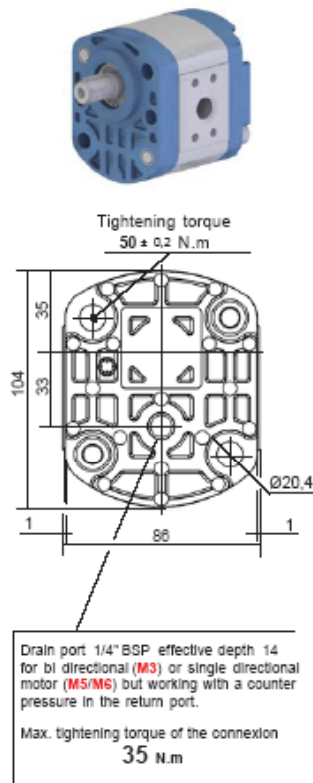


**Max tightening torque  
70 N.m**

Coupling on request: Ref. K102947

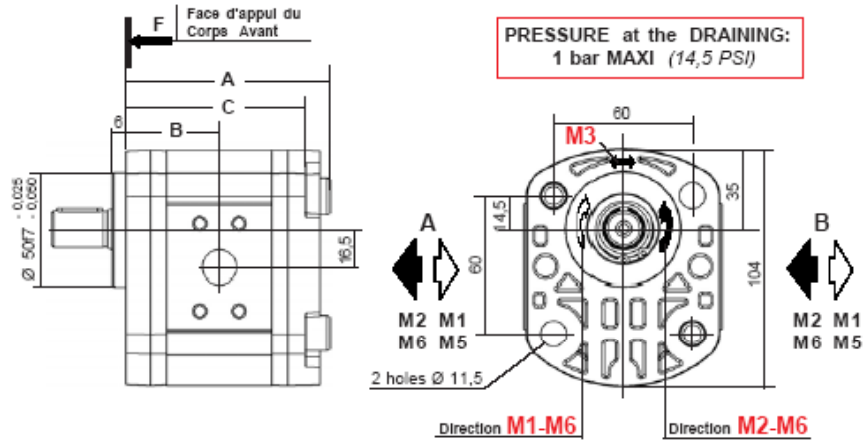


**SERIES 2 TYPE DWN**



**M** II Sign **DW** **N** **2** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



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

Seals kits:

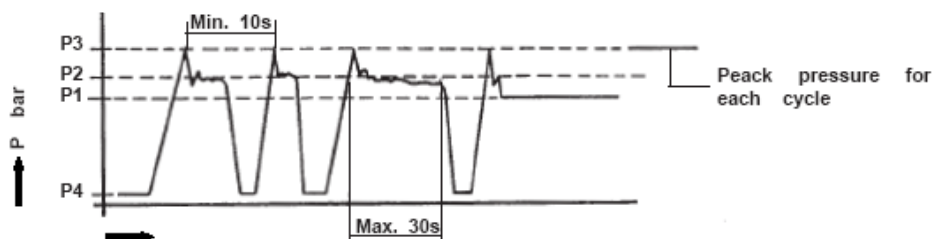
**M1 - M2**  
Nitrile: K5069890 Viton: K5069820  
(For manufacturer to since January 1984)

**M3 - M5/M6**  
Nitrile: K5073287 Viton: K5071068  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	///	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	///	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



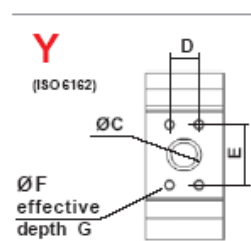
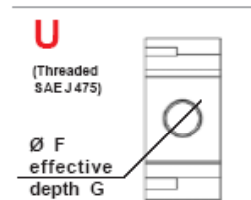
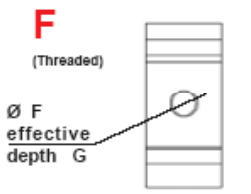
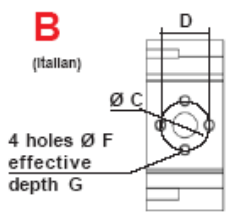
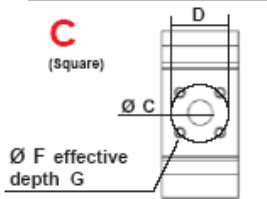
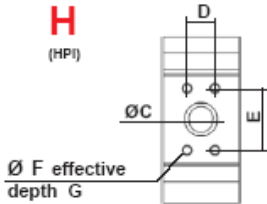
Consult us for availability



**SERIES 2 TYPE DWN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M3	M5	M6	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET					
											1 way rotation with counter pressure															
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A										
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
2006 to 2012	15	30		M6	13	15	30		M6	13																
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A										
2014 to 2022				1" BSP	18				1/2" BSP	14																
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
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																
2006 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	A	B	B	A	B	A										
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2006 to 2030	Only with rear body Type A																									

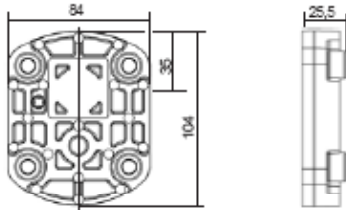


SERIES 2 TYPE DWN

REAR BODIES for MOTORS M1 - M2

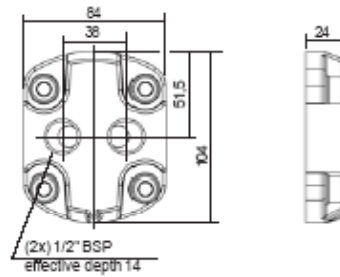
**L**

Standard



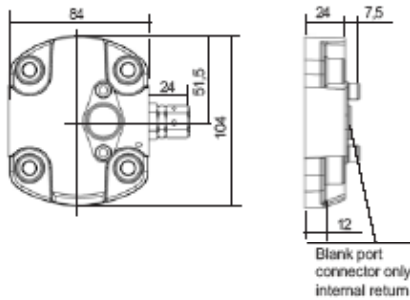
**A**

with ports



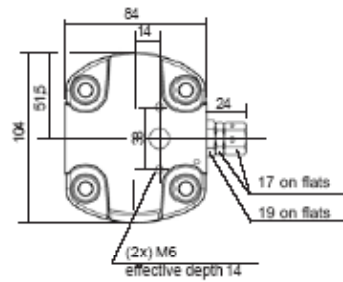
**X**

High pressure relief valve (Adjustable) Internal return



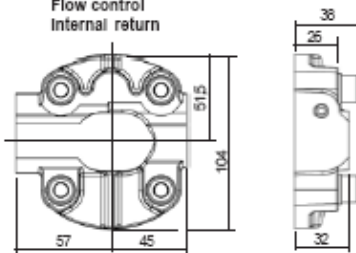
**T**

High pressure relief valve (Adjustable) External return



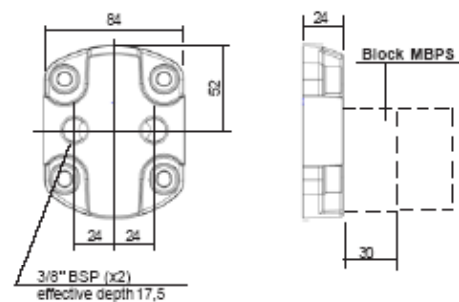
**Q**

Flow control Internal return



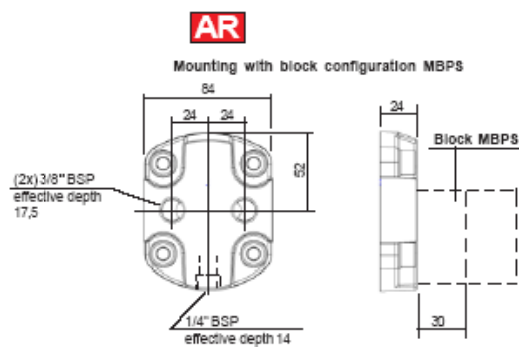
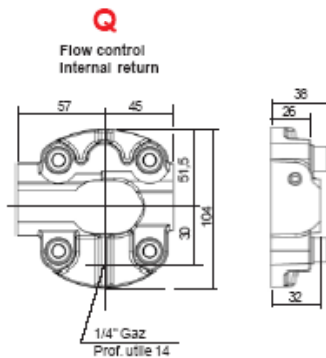
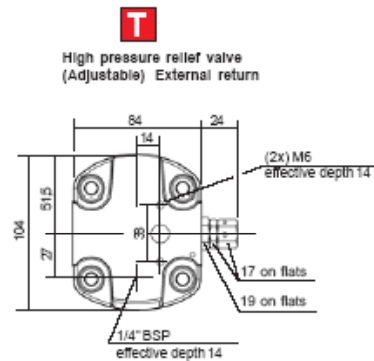
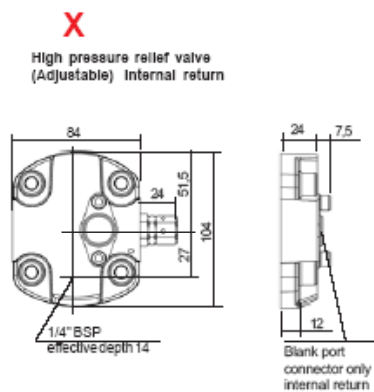
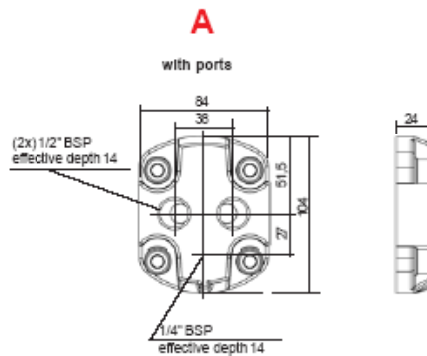
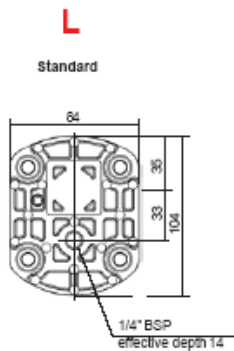
**AR**

Mounting with block configuration MBPS



SERIES 2 TYPE DWN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE DWN

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100641</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft <b>30 A01</b></p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	
	<p><b>C18 *</b></p> <p><u>Maxi transmissible torque</u> <b>40 N.m</b></p> <p><b>* ONLY 2006 to 2012</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability

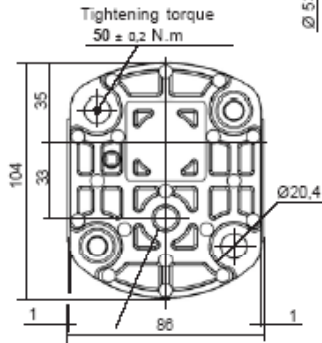


**SERIES 2 TYPE DZK**



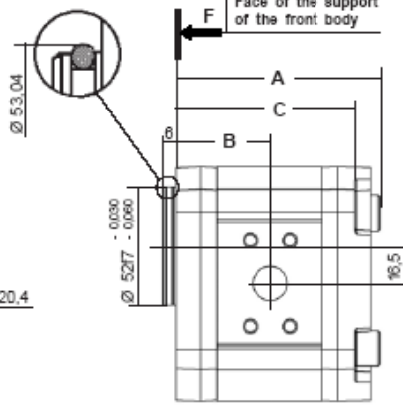
**M** II Sign **DZ** **K** **2** VI Sign **H** **L** **4** **0** **D02** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



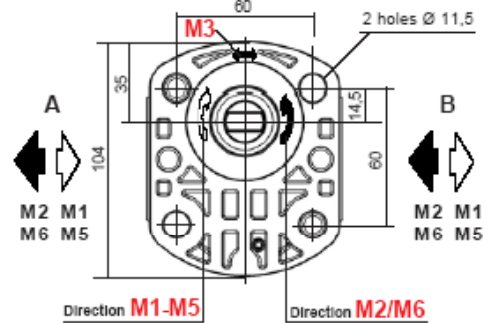
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

**ATTENTION:**  
Mounting without tightness seal



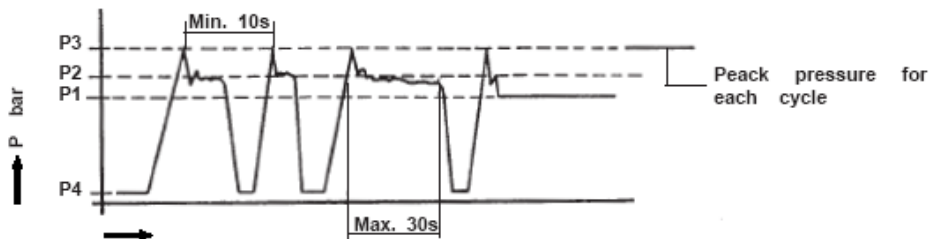
CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

**Seals kit:**  
**M1 - M2**  
Nitrile: K5069890 + K102539  
Viton: K5069820 + K107013  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5073287 + K102539  
Viton: K5071068 + K107013  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



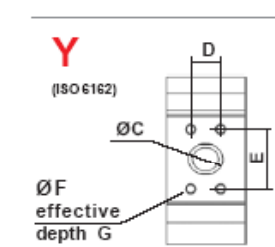
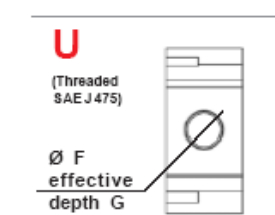
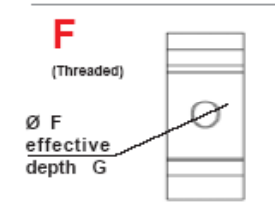
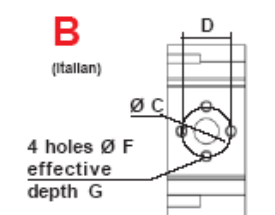
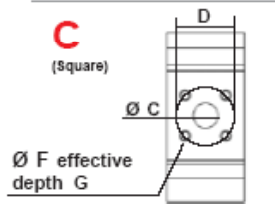
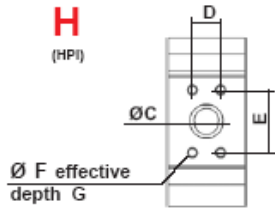
Consult us for availability



**SERIES 2 TYPE DZK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M3			
	ENTREE		SORTIE			ENTREE		SORTIE			ENTREE		SORTIE			ENTREE		SORTIE			ENTREE		SORTIE			
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A										
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
2006 to 2012	15	30		M6	13	15	30		M6	13																
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A										
2014 to 2022				1" BSP	18				1/2" BSP	14																
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
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																
2006 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	A	B	B	A	B	A										
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2006 to 2030	Only with rear body Type A																									

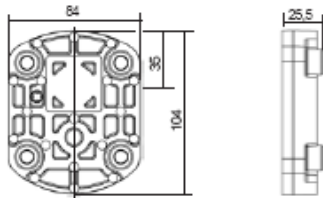
Consult us for availability



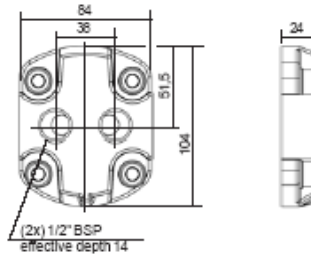
**SERIES 2 TYPE DZK**

**REAR BODIES for MOTORS M1 - M2**

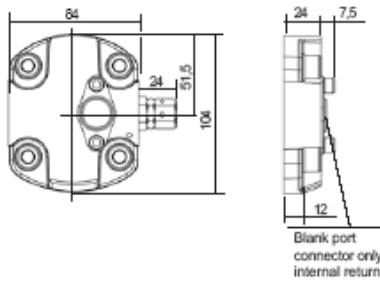
**L**  
Standard



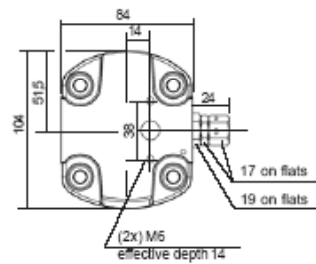
**A**  
with ports



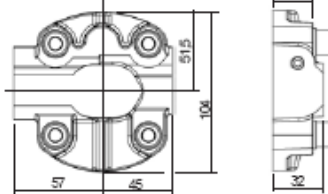
**X**  
High pressure relief valve  
(Adjustable) Internal return



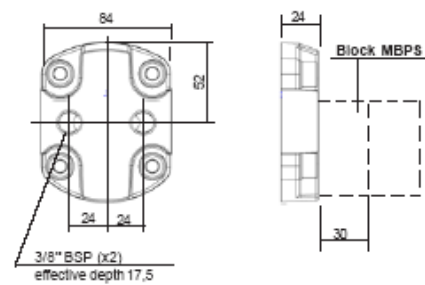
**T**  
High pressure relief valve  
(Adjustable) External return




**Q**  
Flow control  
Internal return



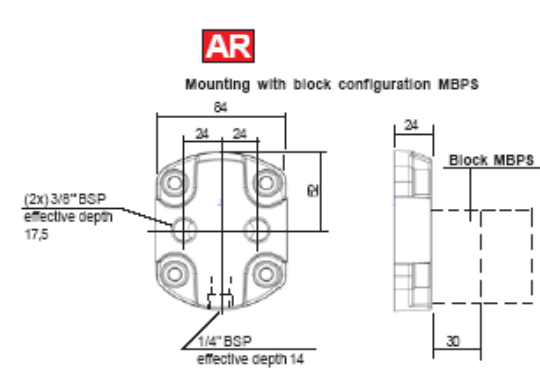
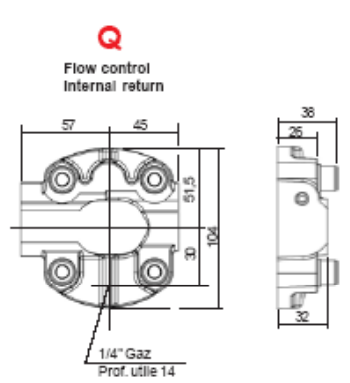
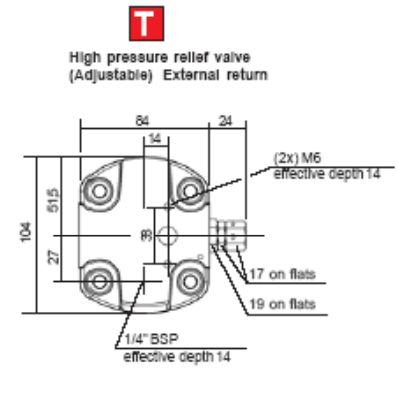
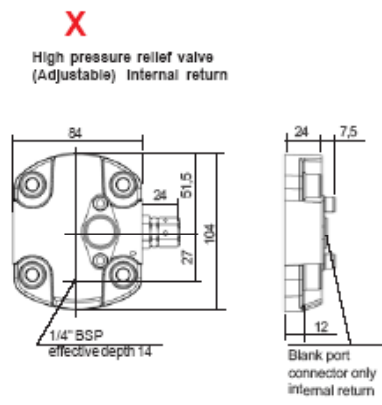
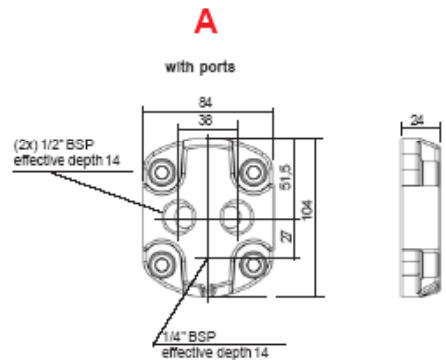
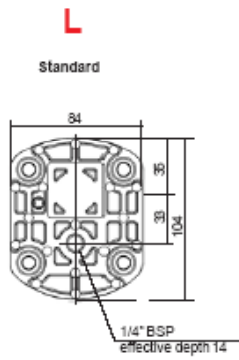
**AR**  
Mounting with block configuration MBPS



 Consult us for availability

**SERIES 2 TYPE DZK**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

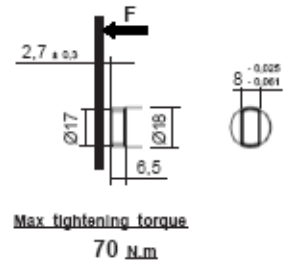
Consult us for availability

SERIES 2 TYPE DZK

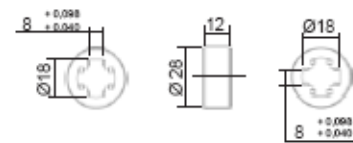
DRIVING SHAFT (DUK)

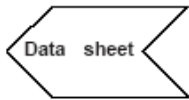
Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>

**D02**



Coupling on request: Ref. K102947

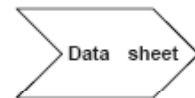




F.T 20 1433

MOTORS PRESENTATION  
**SERIES 2 and 2,5**

- THICK FRONT BODIES

MOTOR **AAP**

F.T 20 1449

MOTO R **AAR**

F.T 20 1450

MOTOR **ARP**

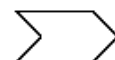
F.T 20 1451

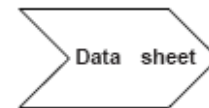
MOTOR **ARK**

F.T 20 1452



Consult us for availability

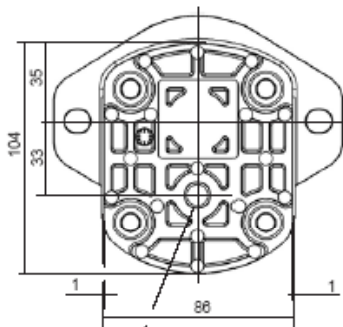


**- THICK FRONT BODIES (rest)****MOTOR AVP****F.T 20 1453****MOTOR DBP****F.T 20 1454****MOTOR DBR****F.T 20 1455**

SERIES 2 TYPE AAP

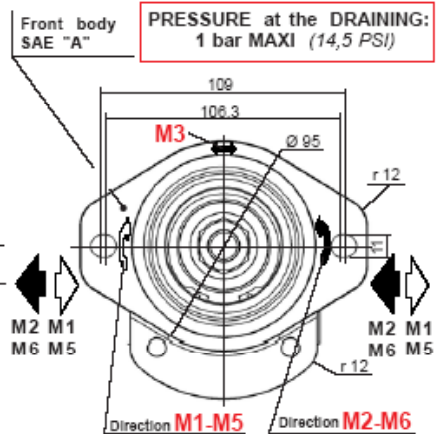
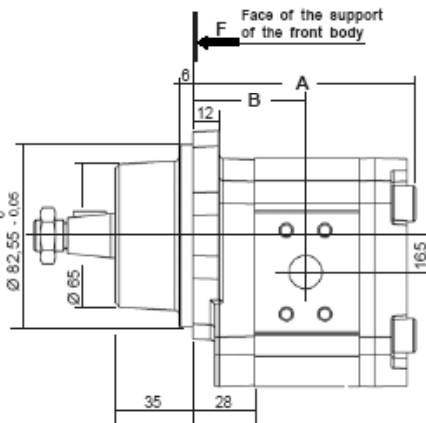


**M** II Sign **AA P 2** I VI Sign **HL** IX Sign X Sign I XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



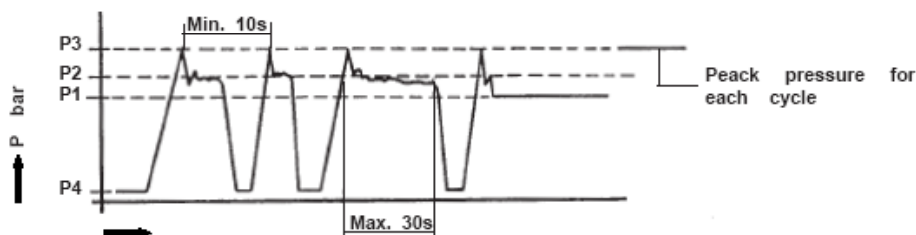
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	100,5	51,5
014 - 015 - 017 018 - 022	115	58
026 - 030	131	67

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069870 + K5069830  
 Viton: K5069880 + K5069840  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K5071069  
 Viton: K5071068 + K5071070  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



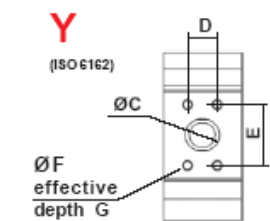
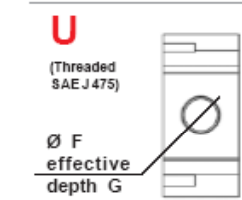
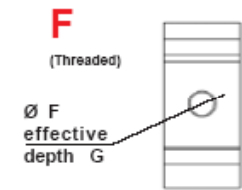
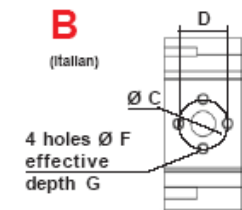
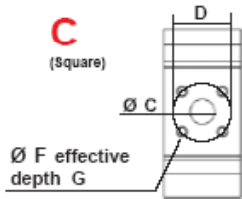
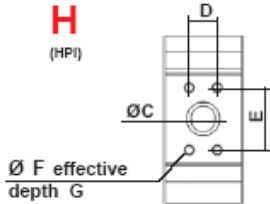
Consult us for availability



**SERIES 2 TYPE AAP**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	AFFECTATION															
	1 way rotation without counter pressure					2 ways rotation with counter pressure										
	M1 ENTREE SORTIE		M2 ENTREE SORTIE			M3		M5 ENTREE SORTIE		M6 ENTREE SORTIE						
	INLET					OUTLET					INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A
2014 to 2022				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
2014 to 2022				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20	A	B	B	A	B	A
2006 to 2012	20	17,4	38	M8	14	15	17,4	38	M8	14	A	B	B	A	B	A
2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
2006 to 2030	Only with rear body Type A															

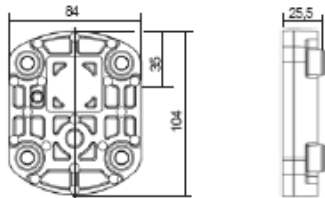


SERIES 2 TYPE AAP

REAR BODIES for MOTORS M1 - M2

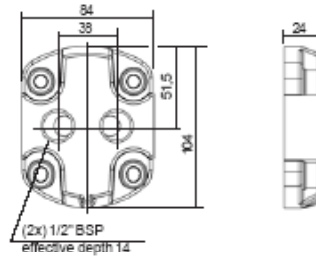
**L**

Standard



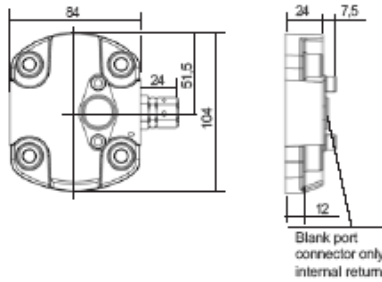
**A**

with ports



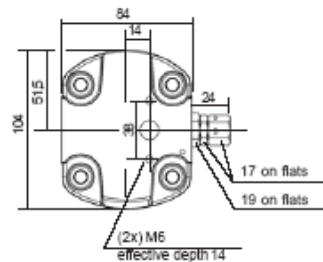
**X**

High pressure relief valve (Adjustable) Internal return



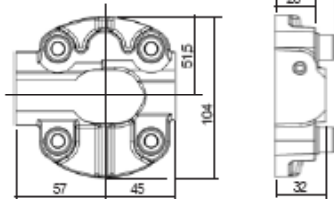
**T**

High pressure relief valve (Adjustable) External return



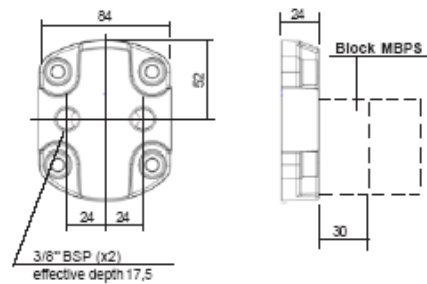
**Q**

Flow control Internal return



**AR**

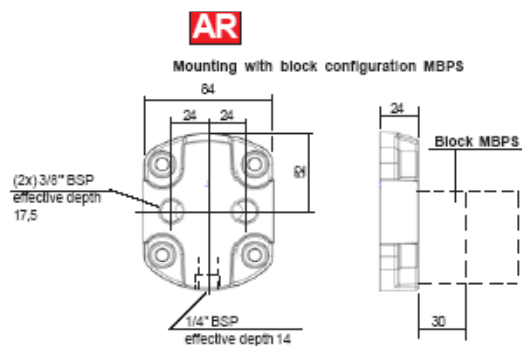
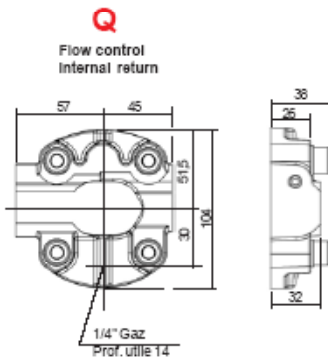
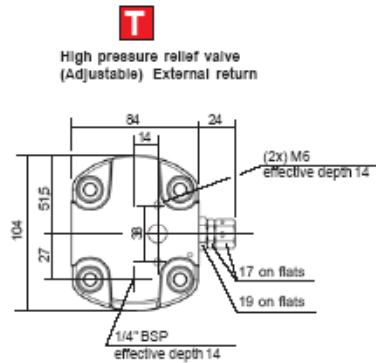
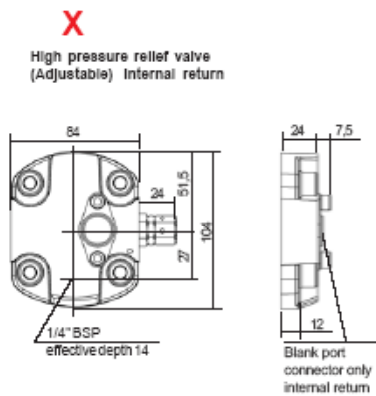
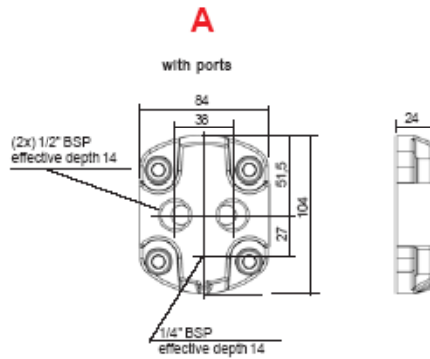
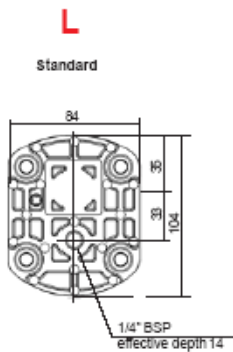
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE AAP

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability



SERIES 2 TYPE AAP

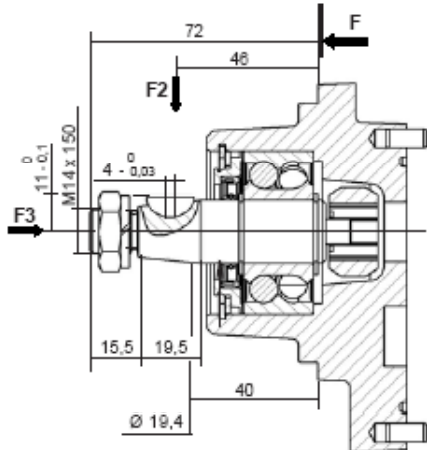
DRIVING SHAFTS

Tapered

10

**C03**

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

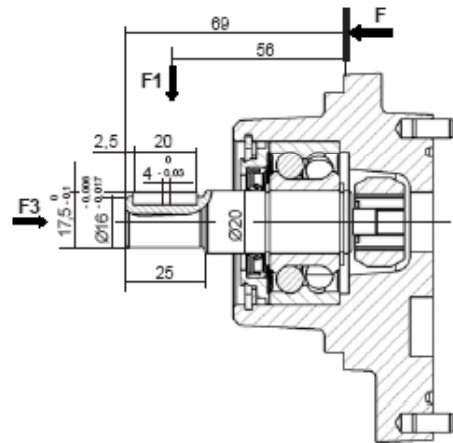
Maxi transmissible torque

70 N.m

Straight keyed

20

**C03**



F1 Maxi: 100 daN

F3 Maxi: 50 daN

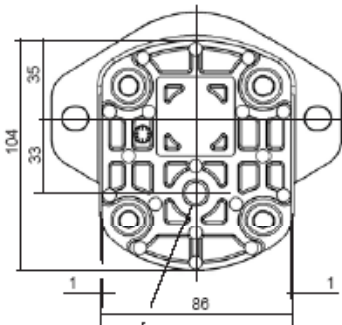
Maxi transmissible torque

50 N.m

SERIES 2 TYPE AAR

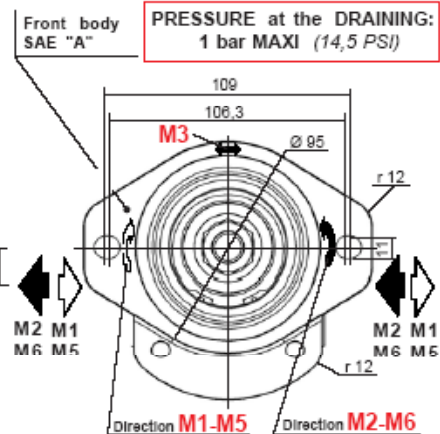
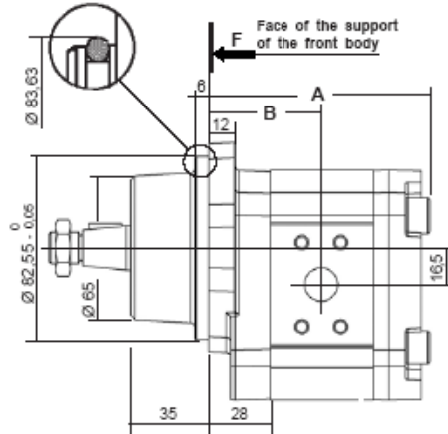


**M** II Sign **AA R 2** VI Sign **H L** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**

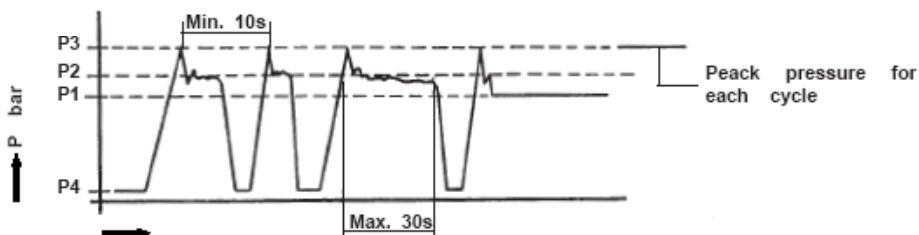
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	100,5	51,5
014 - 015 - 017 018 - 022	115	58
026 - 030	131	67

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069870 + K5069830 + K102901  
 Viton: K5069880 + K5069840 + K104093  
 (For manufacturer to since january 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K5071069 + K102902  
 Viton: K5071068 + K5071070 + K104093  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	3,3
2022	22,07	100	1450	125	1812	150	2175	3000	2000	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2 TYPE AAR**
**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET					AFFECTATION								
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		2 ways rotation with counter pressure		M3				
												M1	M2	M3						
													ENTREE SORTIE		ENTREE SORTIE		INLET OUTLET		INLET OUTLET	
													M5		M6					
													INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<b>H</b> (HPI)	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A			
	2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12									
<b>C</b> (Square)	2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A			
<b>B</b> (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13									
	2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A			
<b>F</b> (Threaded)	2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A			
	2014 to 2022				1" BSP	18				1/2" BSP	14									
<b>U</b> (Threaded SAE J475)	2006 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	A	B	B	A	B	A			
	2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20									
<b>Y</b> (ISO 6162)	2006 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	A	B	B	A	B	A			
	2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14									
<b>X</b> (without ports)	2006 to 2030	Only with rear body Type A																		

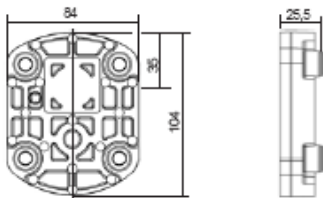
Consult us for availability **JTEKT**  
**HPI**

**SERIES 2 TYPE AAR**

**REAR BODIES for MOTORS M1 - M2**

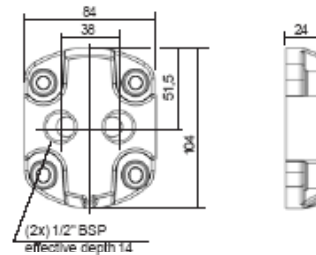
**L**

Standard



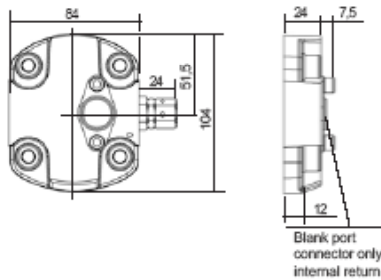
**A**

with ports



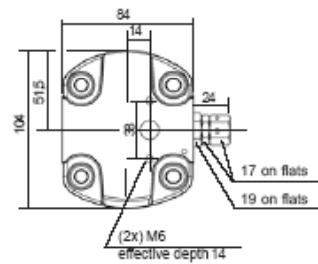
**X**

High pressure relief valve  
(Adjustable) Internal return



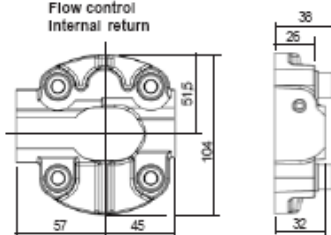
**T**

High pressure relief valve  
(Adjustable) External return



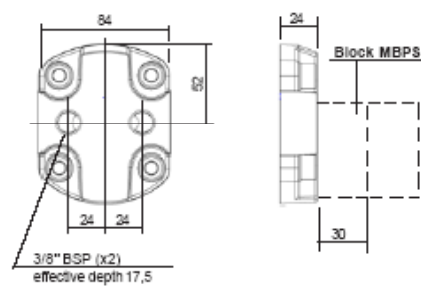
**Q**

Flow control  
Internal return



**AR**

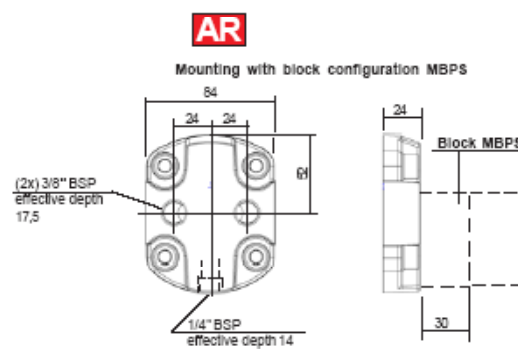
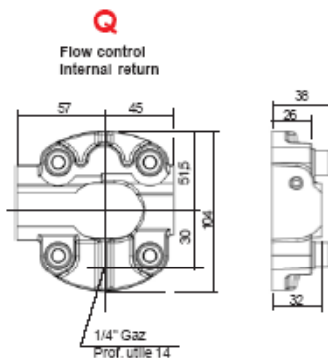
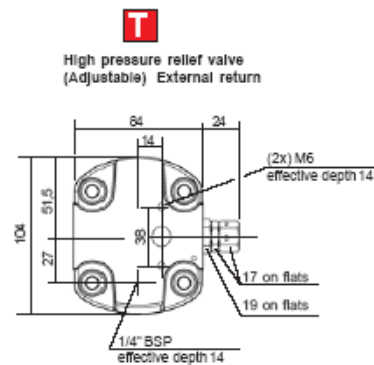
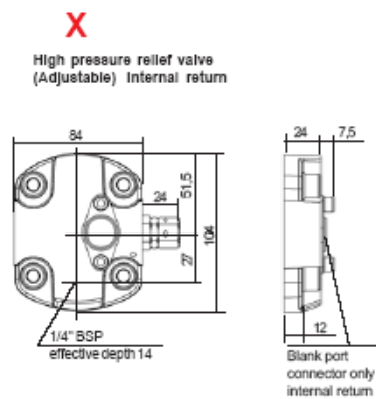
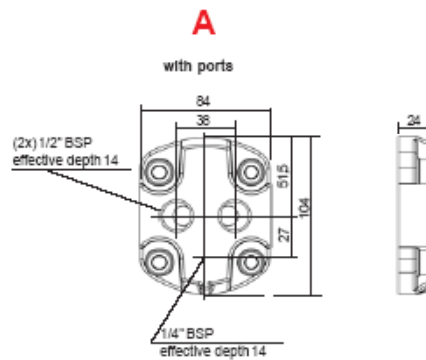
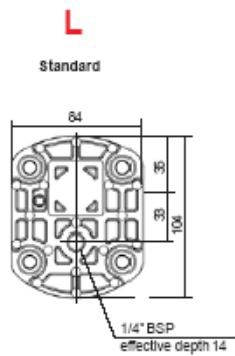
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE AAR

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE AAR

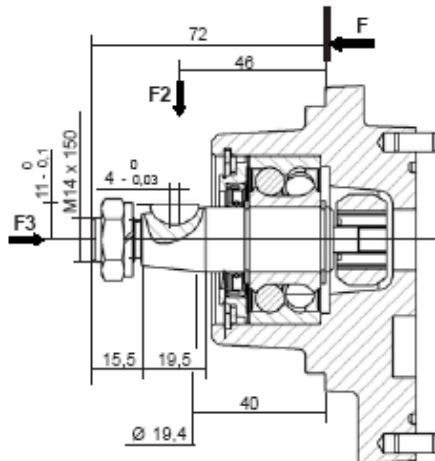
DRIVING SHAFTS

Tapered

10

**C03**

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

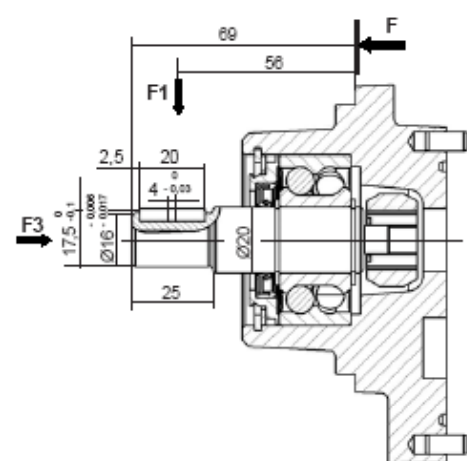
F3 Maxi: 50 daN

Maxi transmissible torque  
70 N.m

Straight keyed

20

**C03**



F1 Maxi: 100 daN

F3 Maxi: 50 daN

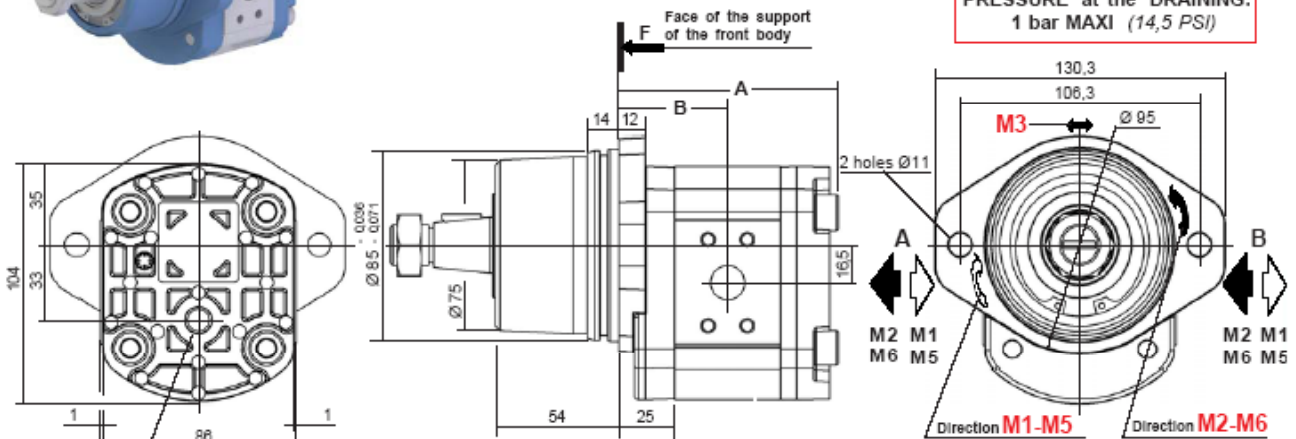
Maxi transmissible torque  
50 N.m

SERIES 2 TYPE ARP

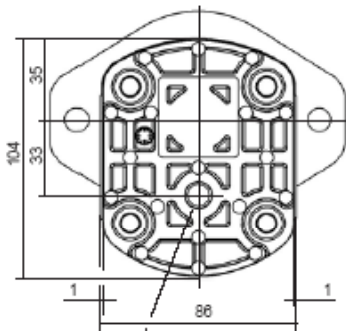


**M** II Sign **AR P 2** VI Sign **HL 1 0 C05** XII Sign

For CODIFICATION, see data sheet F.T.R 0243



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m

CHOICE of the Capacity Dimensions

	A	B
--	---	---

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

Seals kits:

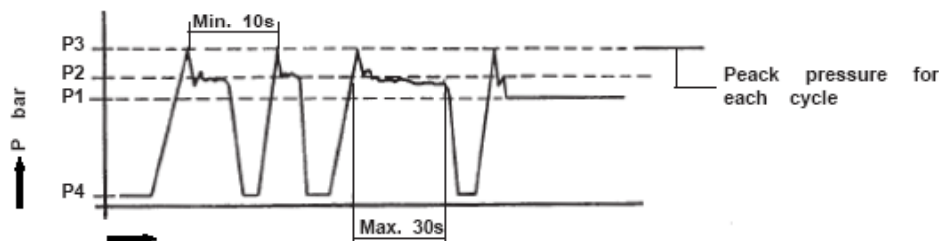
**M1 - M2**  
Nitrile: K5069830 + K5069870  
Viton: K5069840 + K5069880  
(For manufacturer to since January 1984)

**M3 - M5/M6**  
Nitrile: K5071069 + K5069870  
Viton: K5071070 + K5069880  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2006</b>	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
<b>2008</b>	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
<b>2010</b>	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2012</b>	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2014</b>	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3
<b>2015</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,1
<b>2017</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,2
<b>2018</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	1000 <sup>225</sup> bar	3500	3,3
<b>2022</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	1000 <sup>225</sup> bar	3500	3,4
<b>2026</b>	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150</sup> bar	1000 <sup>225</sup> bar	3500	3,8
<b>2030</b>	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150</sup> bar	1000 <sup>225</sup> bar	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty      P2 Maximum pressure in intermittent duty  
P3 Max. Allowable peak pressure              P4 Pressure at Motor outlet  $\leq P$  (Only in M3)



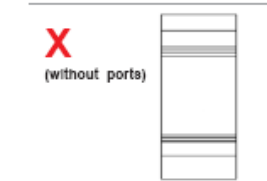
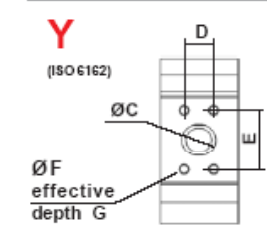
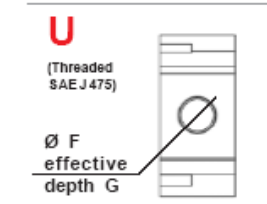
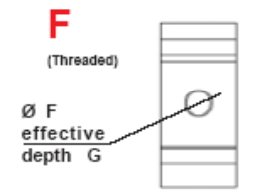
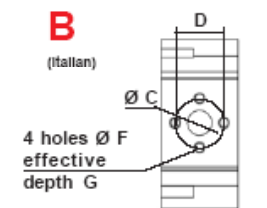
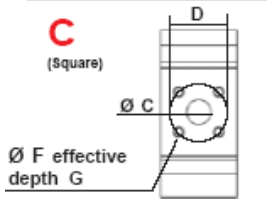
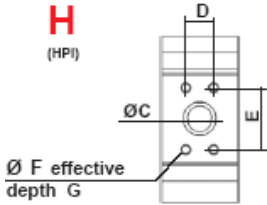
Consult us for availability



**SERIES 2 TYPE ARP**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	M1	M2	M3							
	ENTREE					SORTIE					ENTREE					SORTIE					ENTREE			SORTIE		
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A	M5	M6								
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
2006 to 2012	15	30		M6	13	15	30		M6	13																
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A										
2014 to 2022				1" BSP	18				1/2" BSP	14																
2006 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	A	B	B	A	B	A										
2026-2030				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2006 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	A	B	B	A	B	A										
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2006 to 2030	Only with rear body Type A																									



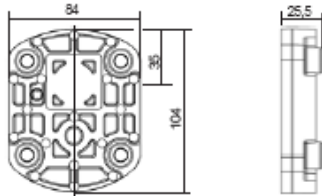
PUBLISHING 02 / 2012

**SERIES 2 TYPE ARP**

**REAR BODIES for MOTORS M1 - M2**

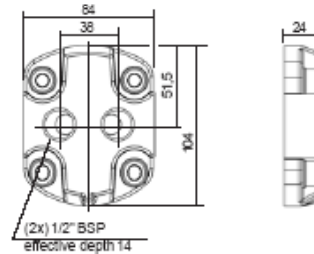
**L**

Standard



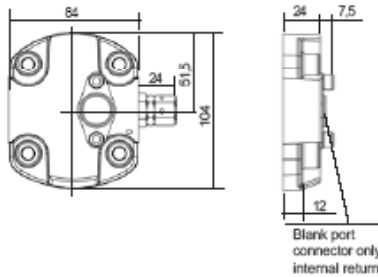
**A**

with ports



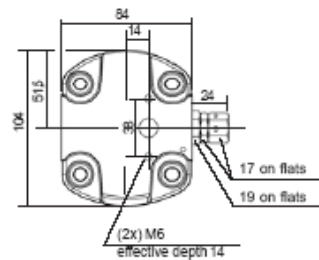
**X**

High pressure relief valve (Adjustable) Internal return



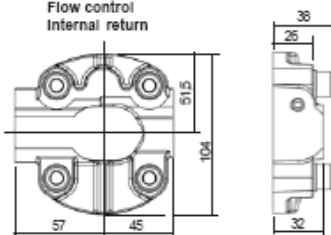
**T**

High pressure relief valve (Adjustable) External return



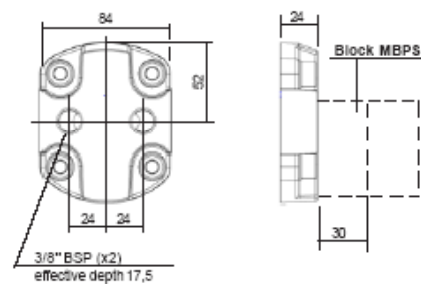
**Q**

Flow control Internal return



**AR**

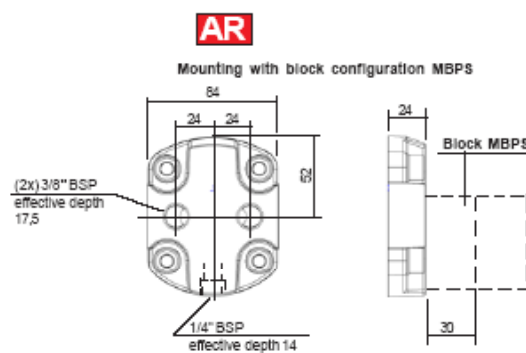
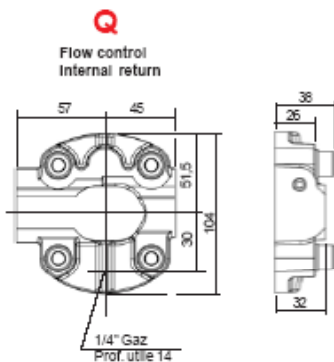
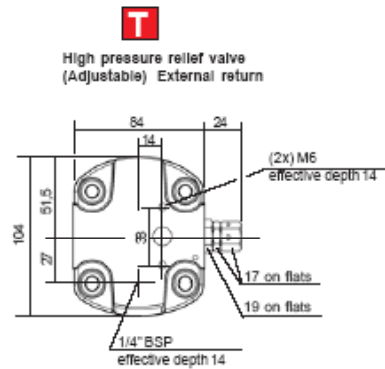
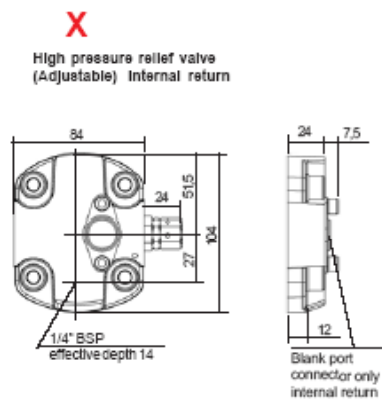
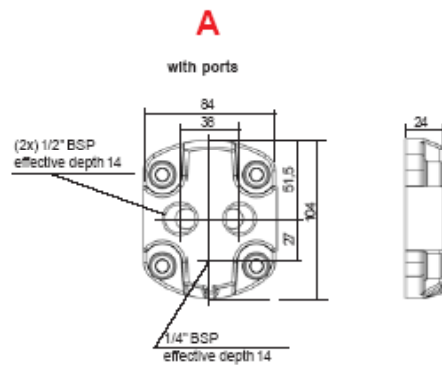
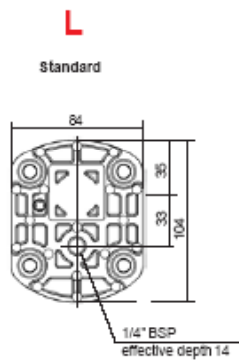
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2 TYPE ARP**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

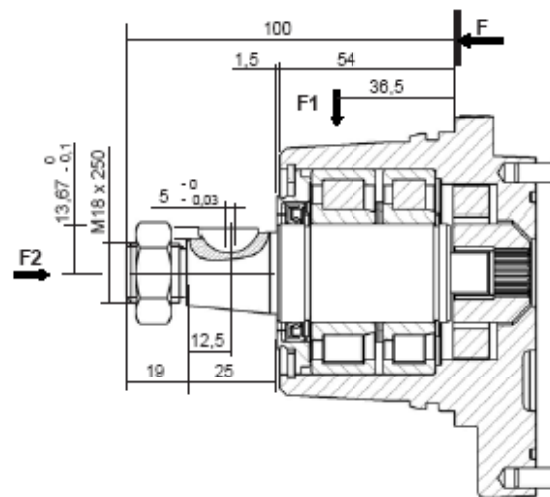
DRIVING SHAFTS

Tapered

10

**C05**

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

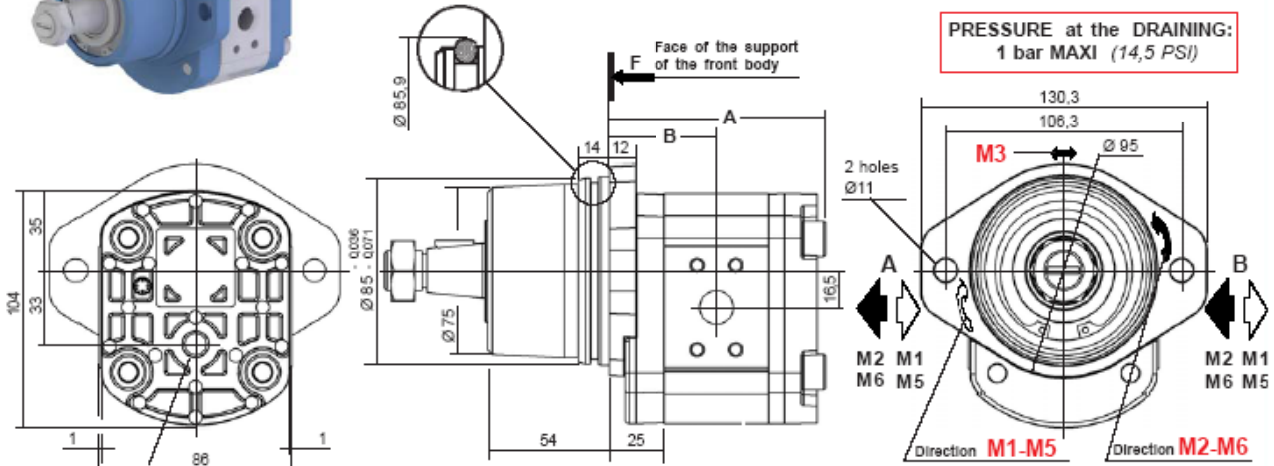
Maxi transmissible torque

70 N.m

**SERIES 2 TYPE ARK**



**M** II Sign **ARK 2** VI Sign **HL 10 C05** XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**35 N.m**

**CHOICE of the Capacity**

Dimensions	Dimensions	
	A	B

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

**Seals kits:**

**M1 - M2**

Nitrile: K5069830 + K5069870 + K106139  
 Viton: K5069840 + K5069880 + K106139  
 (For manufacturer to since January 1984)

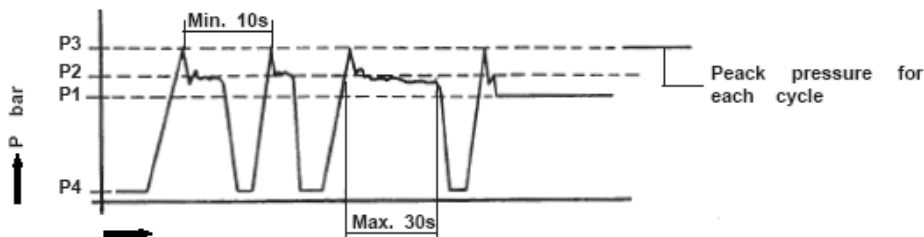
**M3 - M5/M6**

Nitrile: K5071069 + K5069870 + K106139  
 Viton: K5071070 + K5069880 + K106139  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	///	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	///	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2 TYPE ARK**

CHOICE of the IMPLANTATIONS of PORTS		Port connector, see our Catalogue N° 70										AFFECTATION								
		Capacity					INLET					OUTLET					1 way rotation without counter pressure <b>M1</b> ENTREE SORTIE		2 ways rotation with counter pressure <b>M2</b> ENTREE SORTIE	
H (HPI)	2006 to 2012	2014 to 2030	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation with counter pressure <b>M5</b>		1 way rotation with counter pressure <b>M6</b>		2 ways rotation with counter pressure <b>M3</b>			
													INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
	2006 to 2012	2014 to 2030	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A		
	2006 to 2030		26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A		
	2006 to 2012	2014 to 2030	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022				1" 1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022				1" 5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022				1" 5/16 12 UNF 2B	20				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022	20	17,4	38	M8	14	15	17,4	38	M8	14	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A		
	2006 to 2012	2014 to 2022	26	52,4	26,2	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A		
	2006 to 2030		Only with rear body Type A																	



Consult us for availability

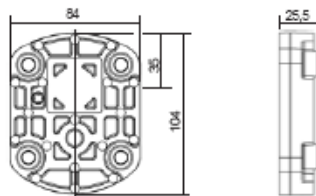


SERIES 2 TYPE ARK

REAR BODIES for MOTORS M1 - M2

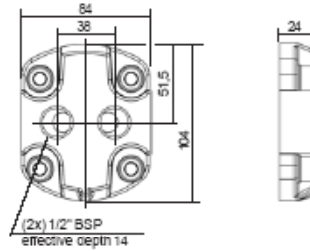
**L**

Standard



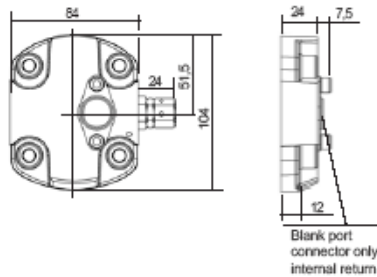
**A**

with ports



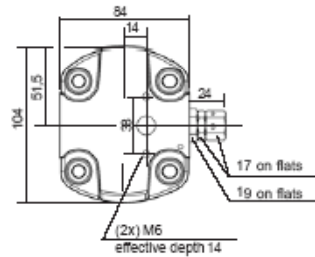
**X**

High pressure relief valve (Adjustable) Internal return



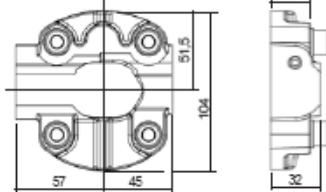
**T**

High pressure relief valve (Adjustable) External return



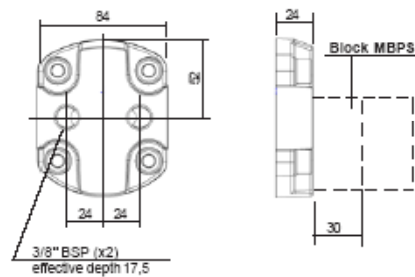
**Q**

Flow control Internal return



**AR**

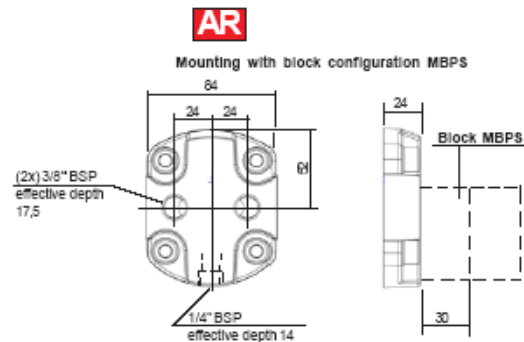
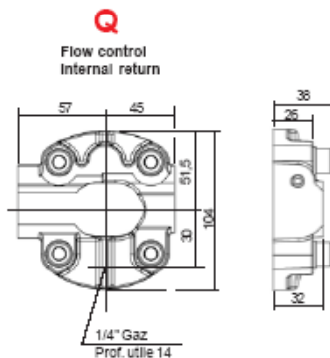
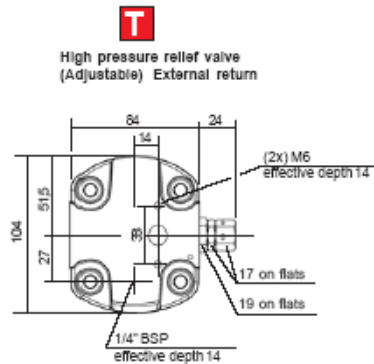
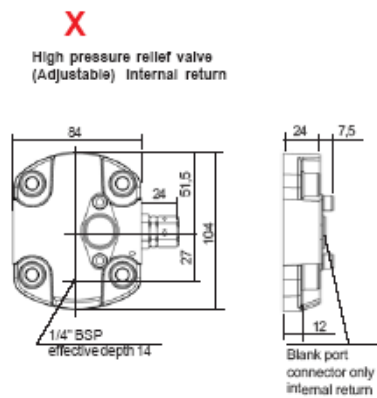
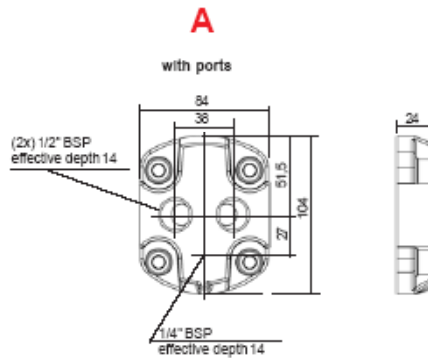
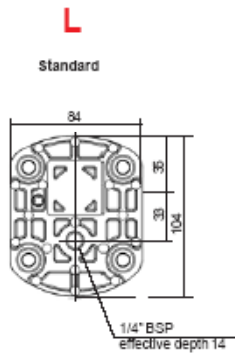
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE ARK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE ARK

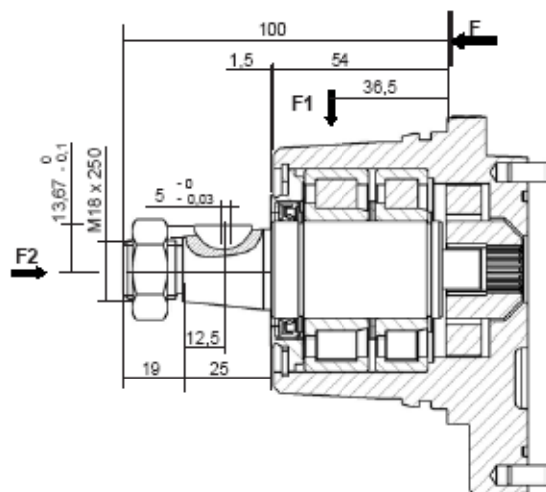
DRIVING SHAFTS

Tapered

10

**C05**

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

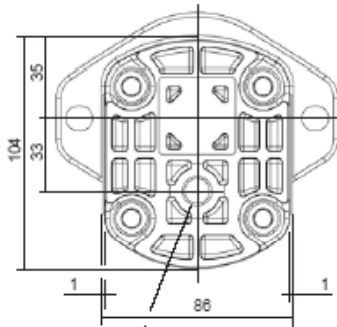
70 N.m

**SERIES 2 TYPE AVP**



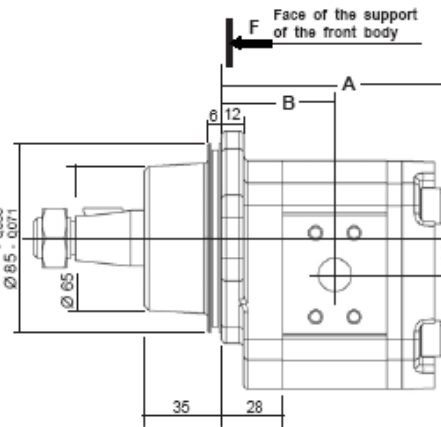
**M** II Sign **AV P 2** VI Sign **HL 1 0 C06** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

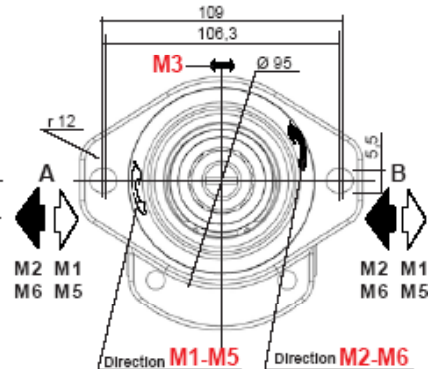


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



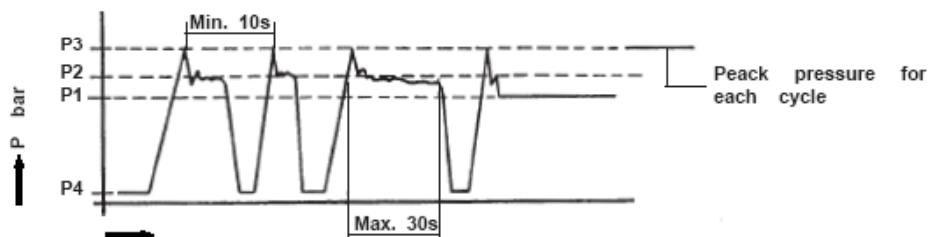
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	100,5	51,5
014 - 015 - 017	115	58
018 - 022	131	67
026 - 030	131	67

**Seals kits:**  
**M1 - M2**  
Nitrile: K102672 + K5069830  
Viton: K106190 + K5069840  
(For manufacturer to since january 1984)  
**M3 - M5/M6**  
Nitrile: K102672 + K5071069  
Viton: K106190 + K5071070  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>150 bar</sup>	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



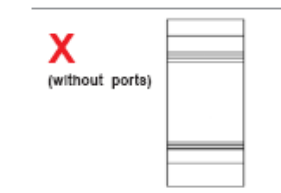
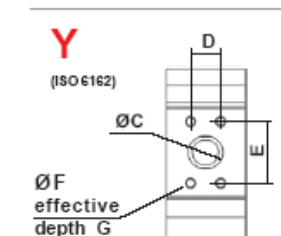
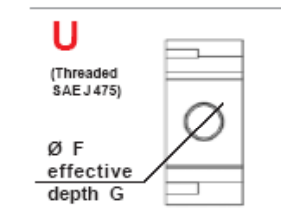
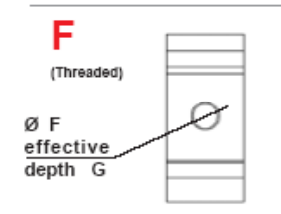
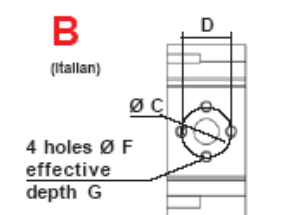
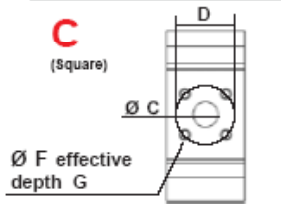
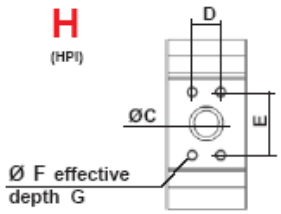
Consult us for availability



**SERIES 2 TYPE AVP**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



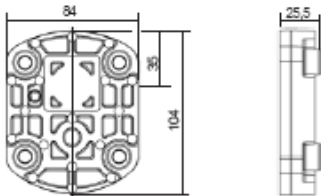
Capacity	INLET										OUTLET						AFFECTATION					
	INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure			1 way rotation with counter pressure			M3		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1		M2		M5		M6		M3			
	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE		
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A						
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12												
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A						
2006 to 2012	15	30		M6	13	15	30		M6	13												
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A						
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A						
2014 to 2022				1" BSP	18				1/2" BSP	14												
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A						
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												
2006 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	A	B	B	A	B	A						
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14												
2006 to 2030	Only with rear body Type A																					



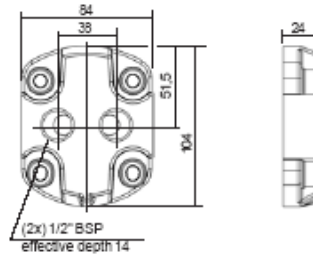
**SERIES 2 TYPE AVP**

**REAR BODIES for MOTORS M1 - M2**

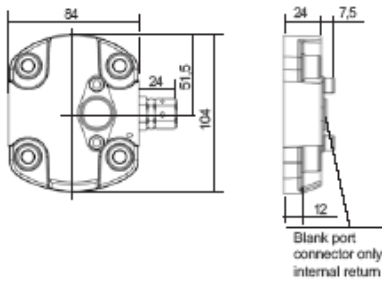
**L**  
Standard



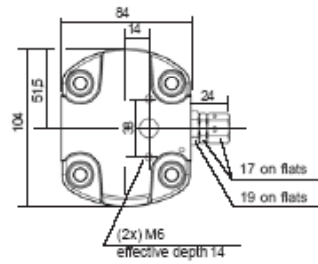
**A**  
with ports



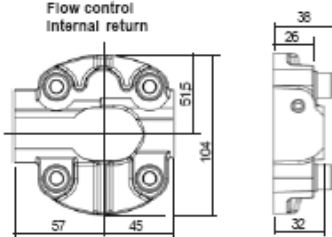
**X**  
High pressure relief valve  
(Adjustable) Internal return



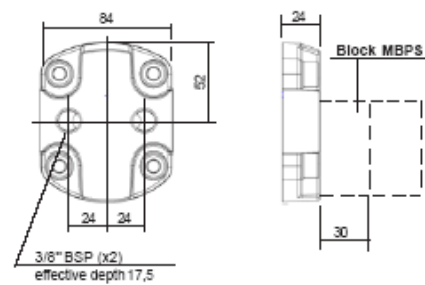
**T**  
High pressure relief valve  
(Adjustable) External return




**Q**  
Flow control  
Internal return



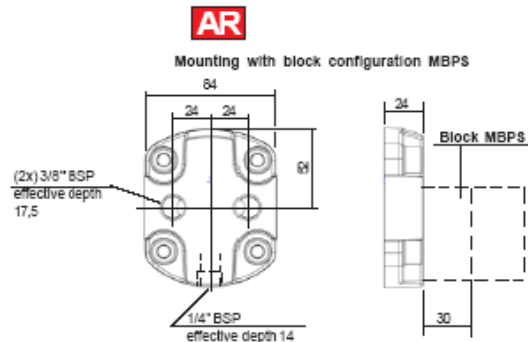
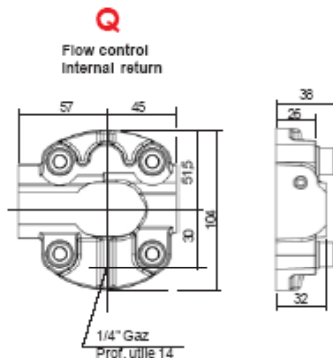
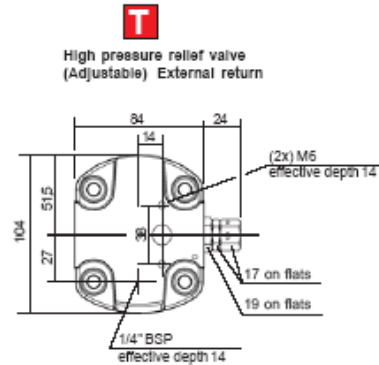
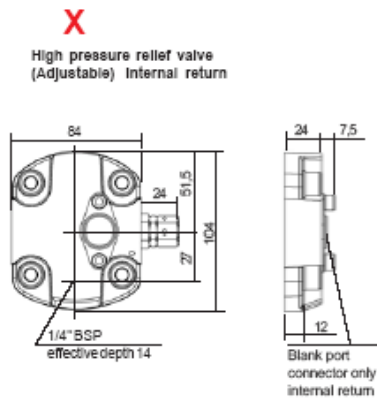
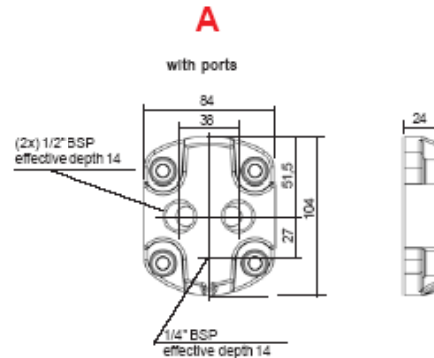
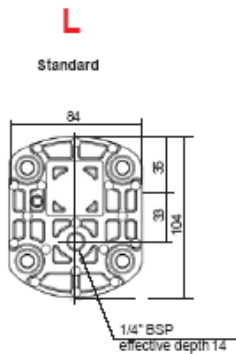
**AR**  
Mounting with block configuration MBPS



 Consult us for availability

SERIES 2 TYPE AVP

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

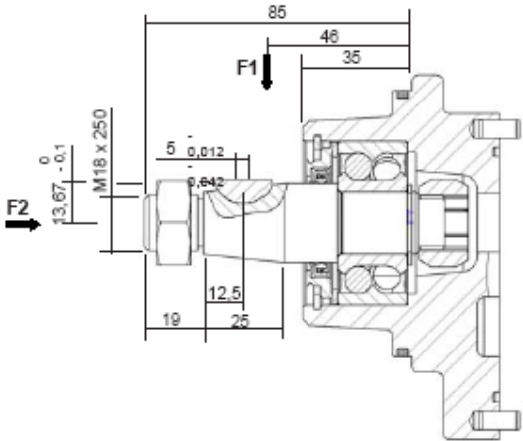
SERIES 2 TYPE AVP

DRIVING SHAFT

Tapered

10

**C06** Taper 1 / 5



Delivered with nut: K106295

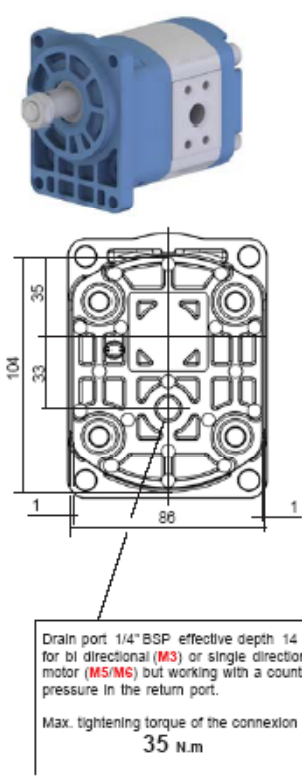
F1 Maxi: 350 daN

F2 Maxi: 50 daN

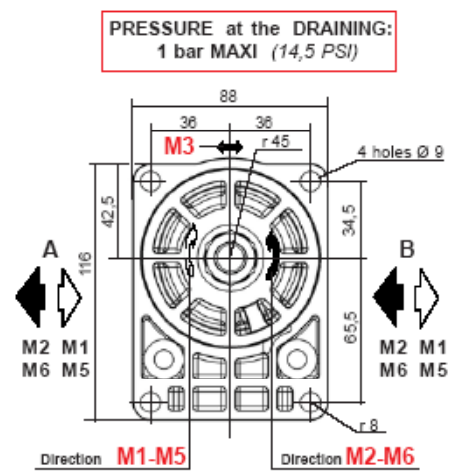
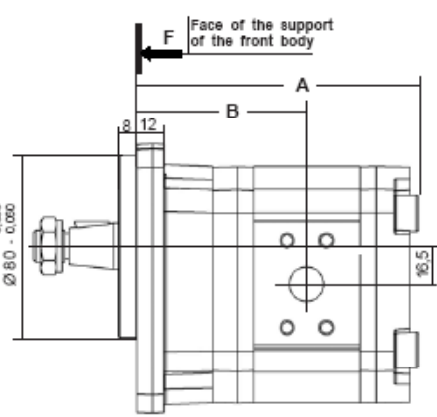
Maxi transmissible torque

70 m.daN

**SERIES 2 TYPE DBP**



**M** II Sign **DB P 2** VI Sign **H L** IX Sign X Sign XI Sign XII Sign  
For CODIFICATION, see data sheet **F.T.R 0243**



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

**Seals kits:**

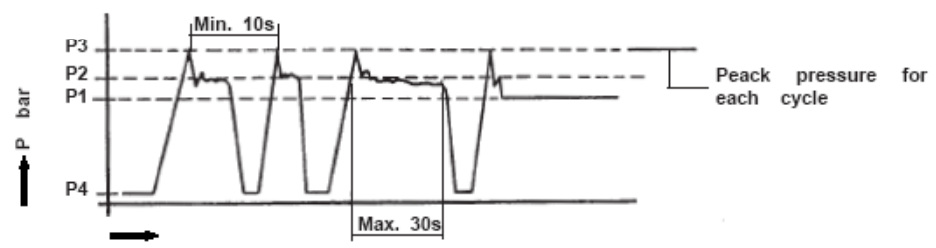
**M1 - M2**  
Nitrile: K5069830 + K5069870  
Viton: K5069840 + K5069880  
(For manufacturer to since january 1984)

**M3 - M5/M6**  
Nitrile: K5071069 + K5069870  
Viton: K5071070 + K5069880  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



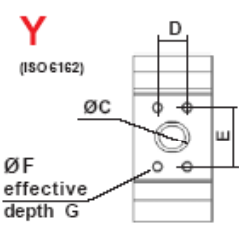
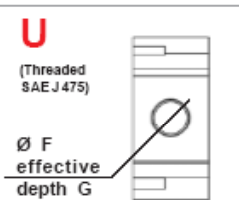
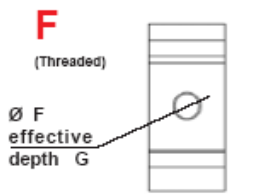
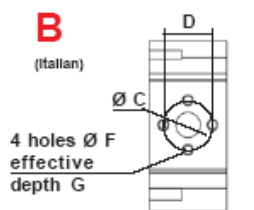
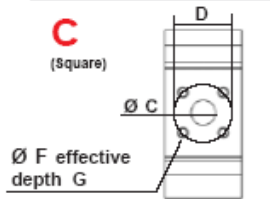
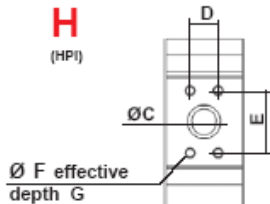
  Consult us for availability



**SERIES 2 TYPE DBP**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1		M2		M5		M6		M3							
	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE						
2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6	15	A	B	B	A	B	A										
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12																
2006 to 2030	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
2006 to 2012	15	30		M6	13	15	30		M6	13																
2014 to 2030	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
2006 to 2012				3/4" BSP	16				3/8" BSP	12	A	B	B	A	B	A										
2014 to 2022				1" BSP	18				1/2" BSP	14																
2006 to 2012				1"1/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
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																
2006 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	A	B	B	A	B	A										
2026-2030	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2006 to 2030	Only with rear body Type A																									

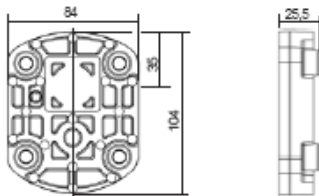


SERIES 2 TYPE DBP

REAR BODIES for MOTORS M1 - M2

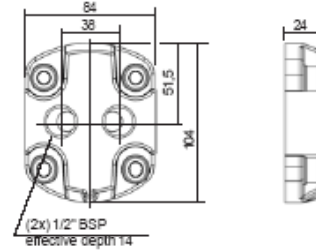
**L**

Standard



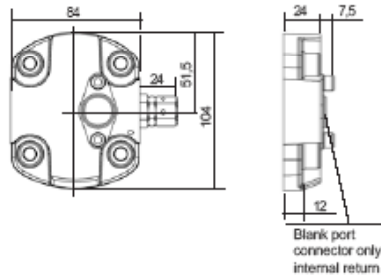
**A**

with ports



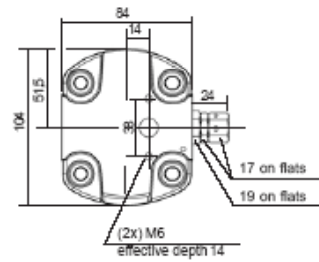
**X**

High pressure relief valve (Adjustable) Internal return



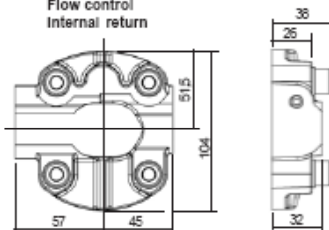
**T**

High pressure relief valve (Adjustable) External return



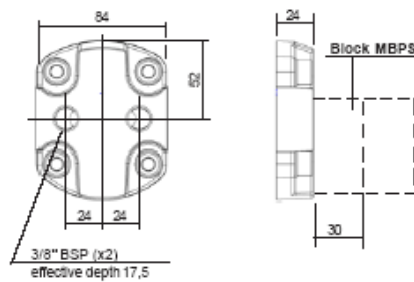
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS



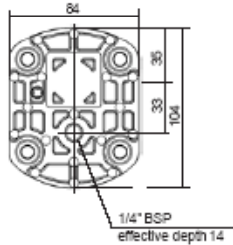
Consult us for availability

**SERIES 2 TYPE DBP**

**REAR BODIES for MOTORS M3 - M5 - M6**

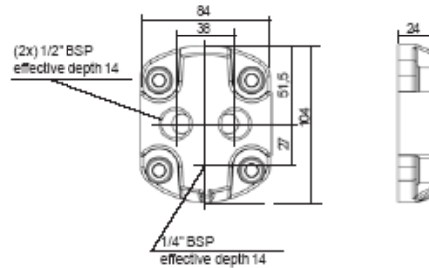
**L**

standard



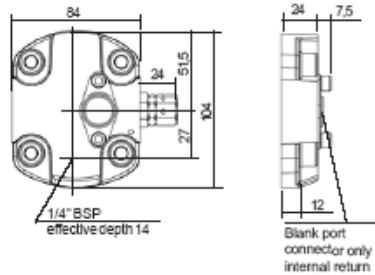
**A**

with ports



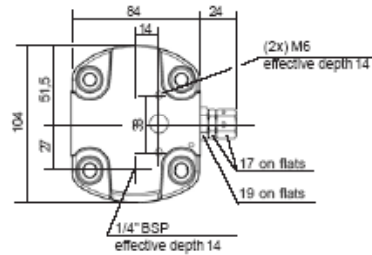
**X**

High pressure relief valve (Adjustable) Internal return



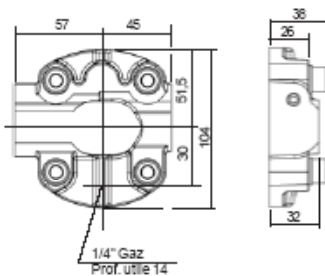
**T**

High pressure relief valve (Adjustable) External return



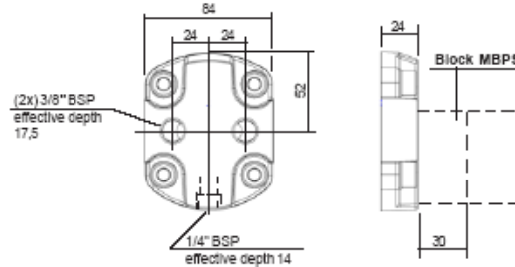
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2 TYPE DBP

DRIVING SHAFTS

Tapered

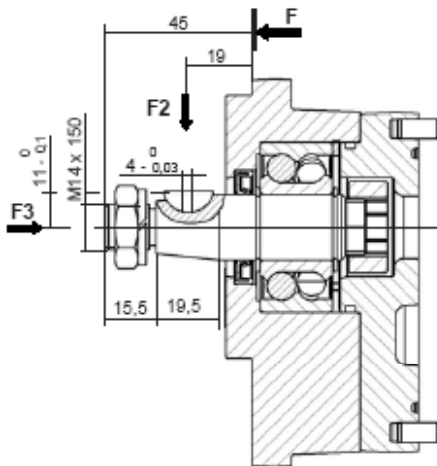
10

Straight keyed

20

**C07** Taper 1 / 5

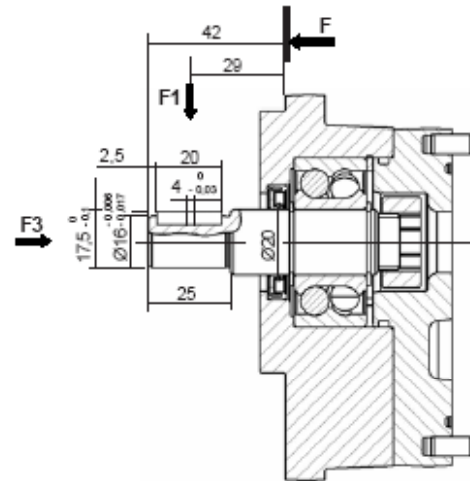
**C15**



Delivered with Nut: K102045

F2 Maxi: 120 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m



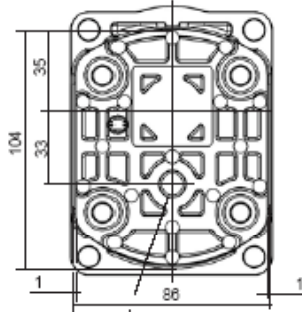
F1 Maxi: 100 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

SERIES 2 TYPE DBR

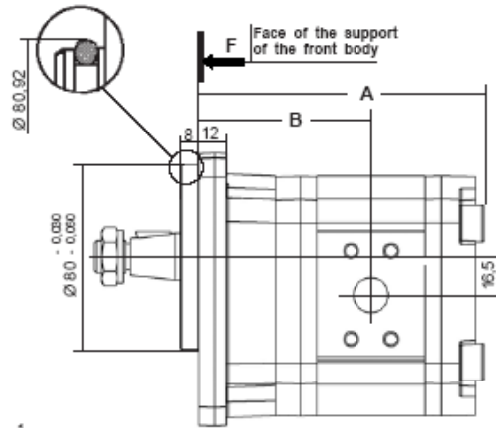
**M** II Sign **DBR 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

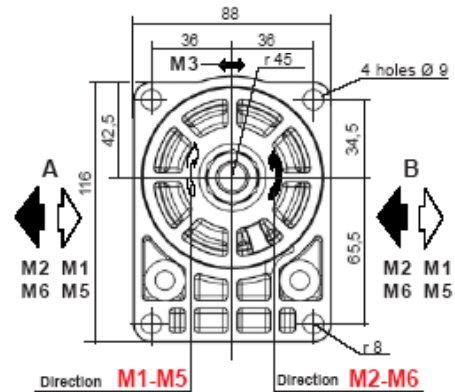


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity Dimensions A B

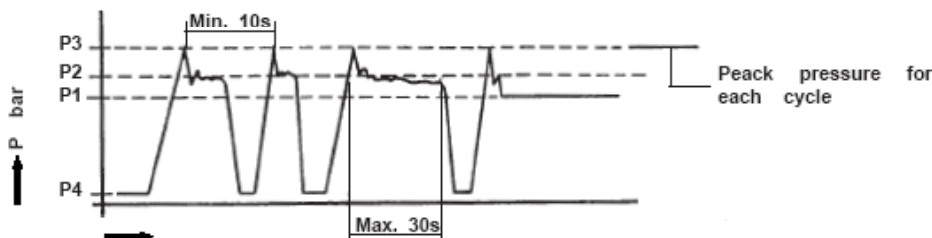
006 - 008 - 010 012	123,5	74,5
014 - 015 - 017 018 - 022	138	82
026 - 030	154	90

Seals kits:  
**M1 - M2**  
Nitrile: K5069830 + K5069870 + K101517  
Viton: K5069840 + K5069880 + K104406  
(For manufacturer to since january 1984)  
**M3 - M5/M6**  
Nitrile: K5071069 + K5069870 + K101517  
Viton: K5071070 + K5069880 + K104406  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



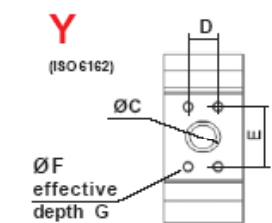
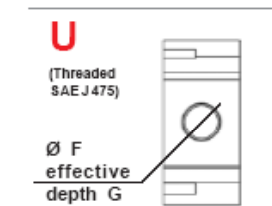
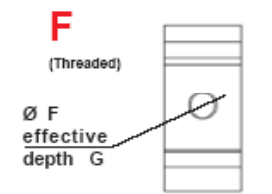
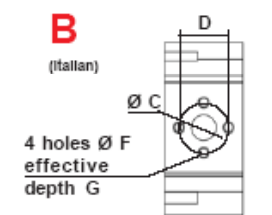
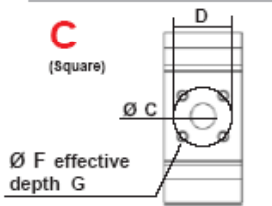
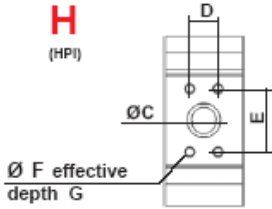
Consult us for availability



**SERIES 2 TYPE DBR**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	2006 to 2012	20	17,4	38	M6	12	15	17,4	38	M6
2014 to 2030	26	47,6	22,4	M6	12	15	17,4	38	M6	12
2006 to 2030	20	40		M6	12	15	35		M6	12
2006 to 2012	15	30		M6	13	15	30		M6	13
2014 to 2030	20	40		M6	13	15	30		M6	13
2006 to 2012				3/4" BSP	16				3/8" BSP	12
2014 to 2022				1" BSP	18				1/2" BSP	14
2006 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
2006 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
2006 to 2030	Only with rear body Type A									

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1 ENTREE SORTIE		M2 ENTREE SORTIE		M3	
1 way rotation with counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A

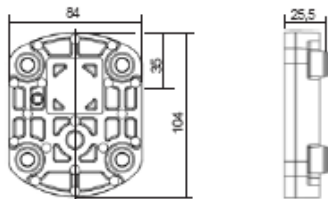
**JTEKT**  
Consult us for availability  
**HPI**

**SERIES 2 TYPE DBR**

**REAR BODIES for MOTORS M1 - M2**

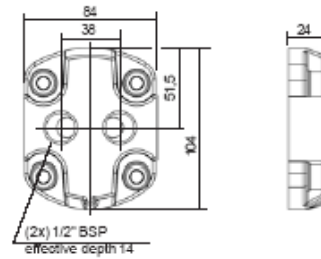
**L**

Standard



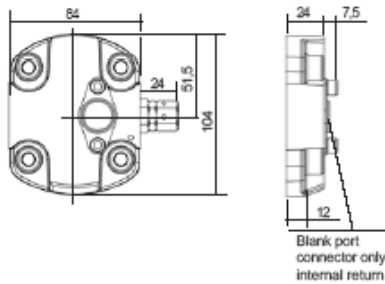
**A**

with ports



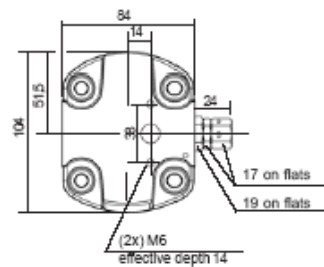
**X**

High pressure relief valve (Adjustable) Internal return



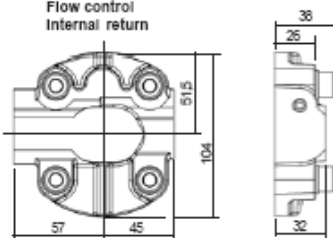
**T**

High pressure relief valve (Adjustable) External return



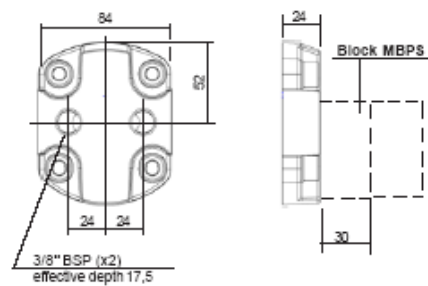
**Q**

Flow control Internal return



**AR**

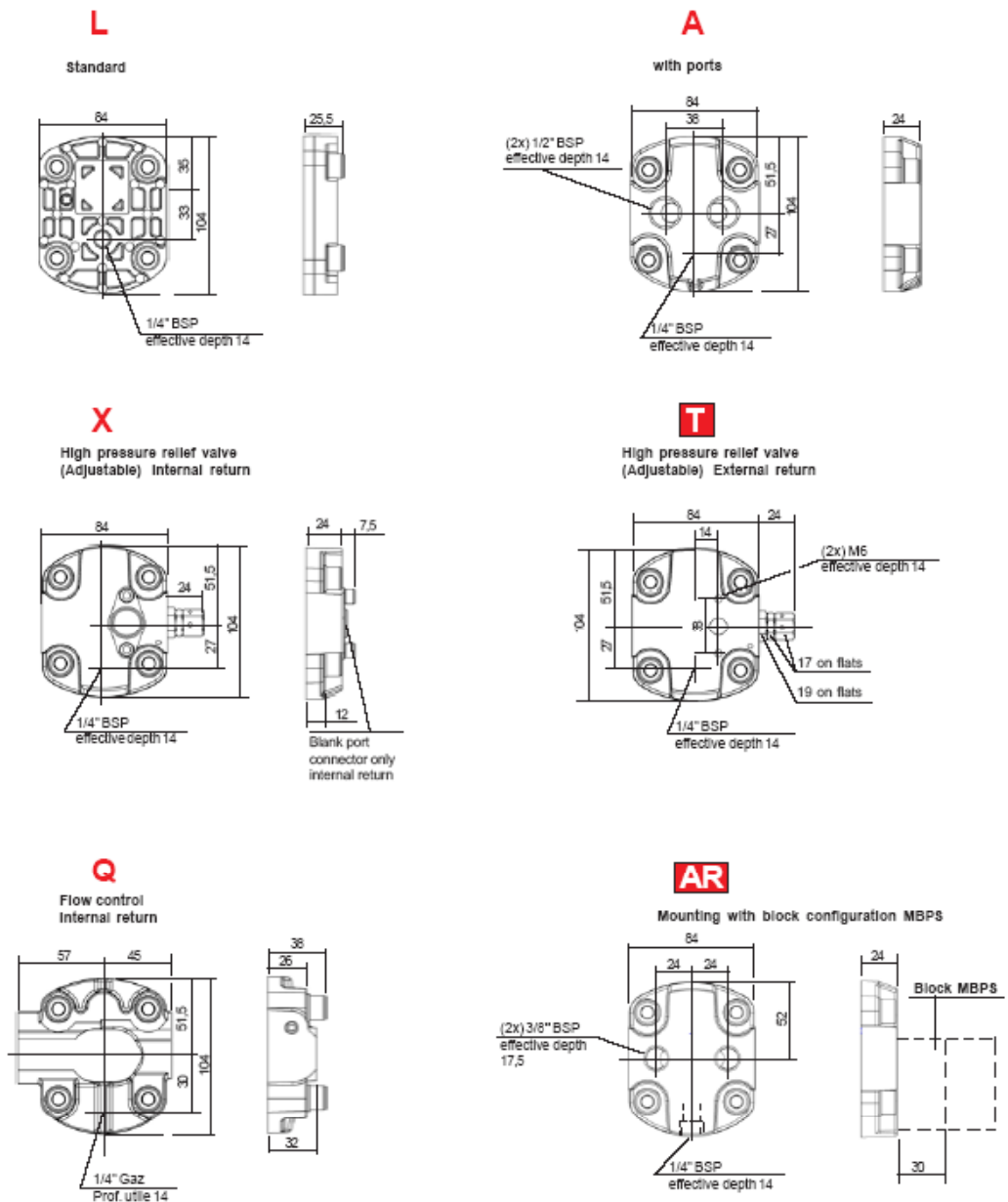
Mounting with block configuration MBPS



Consult us for availability

SERIES 2 TYPE DBR

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability



SERIES 2 TYPE DBR

DRIVING SHAFTS

Tapered

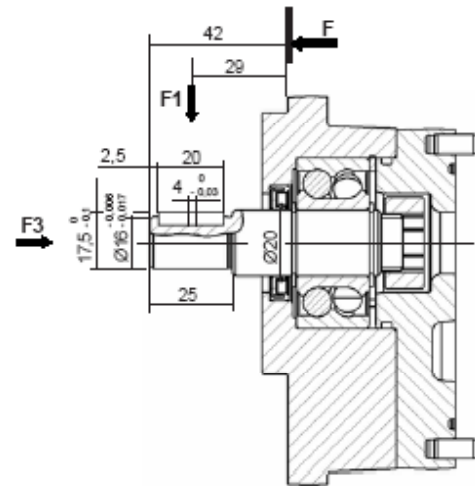
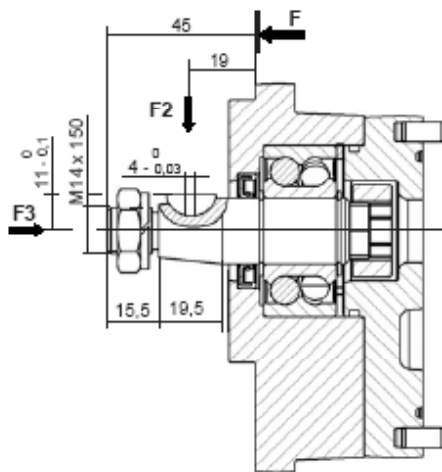
10

Straight keyed

20

**C07** Taper 1 / 5

**C15**



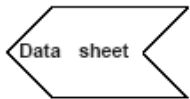
Delivered with Nut: K102045

F2 Maxi: 120 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

F1 Maxi: 100 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

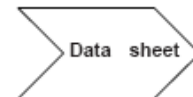


MOTORS PRESENTATION  
**SERIES 2 and 2,5**

F.T 20 1433

- FLAT FRONT BODIES

MOTOR **AAAN**



F.T 25 1456

MOTOR **AAK**



F.T 25 1457

MOTOR **AFN**



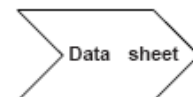
F.T 25 1458

MOTOR **APK**



F.T 25 1459

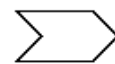
MOTOR **BAN**



F.T 25 1460



Consult us for availability



**JTEKT**  
**HPI**

- FLAT FRONT BODIES (rest)

MOTOR

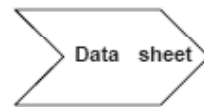
**CAN**



F.T 25 1461

MOTOR

**CEN**



F.T 25 1462

MOTOR

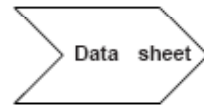
**CEK**



F.T 25 1463

MOTOR

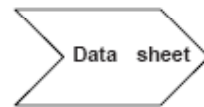
**DBN**



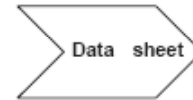
F.T 25 1464

MOTOR

**DBK**



F.T 25 1465

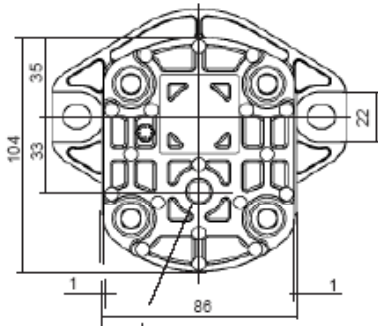
**- FLAT FRONT BODIES (rest)****MOTOR DCN****F.T 25 1466****MOTOR DCK****F.T 25 1467****MOTOR DUK****F.T 25 1468****MOTOR DWN****F.T 25 1469****MOTOR DZK****F.T 25 1470**

**SERIES 2,5 TYPE AAN**



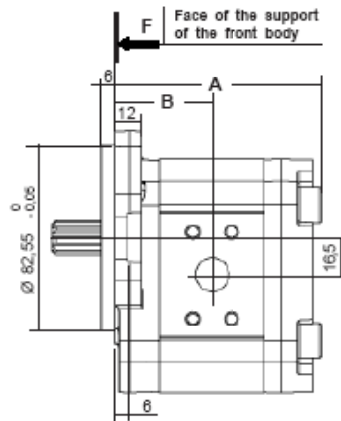
**M** II Sign **AA** N **25** VI Sign **HL** IX Sign X Sign | XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

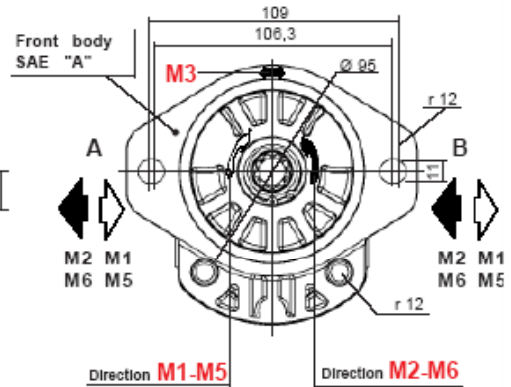


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



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

Seals kits:

**M1 - M2**

Nitrile: **K5069810** Viton: **K5069820**

(For manufacturer to since January 1984)

**M3 - M5/M6**

Nitrile: **K5071067** Viton: **K5071068**

(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>bar</sub>	150 <sup>bar</sup> / <sub>bar</sub>	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>bar</sub>	150 <sup>bar</sup> / <sub>bar</sub>	3500	2,8

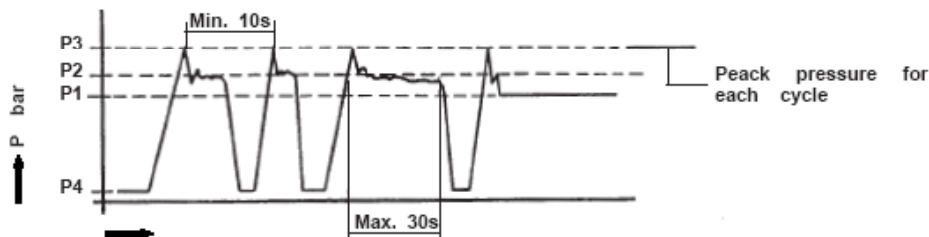
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

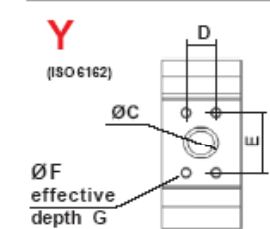
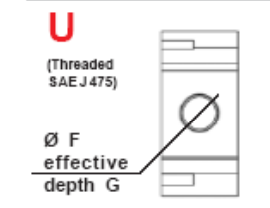
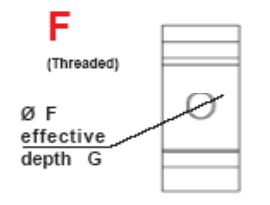
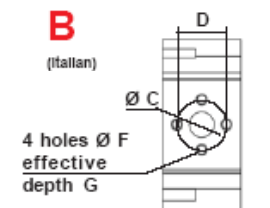
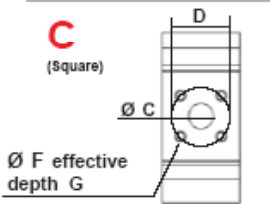
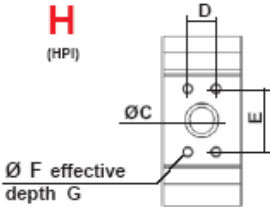


**SERIES 2,5 TYPE AAN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

Capacity		AFFECTATION															
		INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE	M2 ENTREE SORTIE	M3			
H (HPI)	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
		20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
C (Square)	2512 to 2522	20	40		M6	12	15	30		M6	13	A	B	B	A	B	A
		20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
B (Italian)	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
		20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
F (Threaded)	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
					1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
U (Threaded SAE J475)	2512 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20	A	B	B	A	B	A
					1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2512 to 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
		26	52,4	26,2	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
X (without ports)	2512 to 2522	Only with rear body Type A															

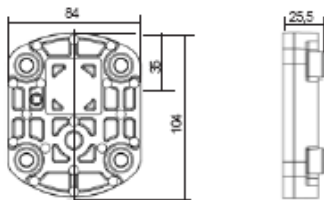


**SERIES 2,5 TYPE AAN**

**REAR BODIES for MOTORS M1 - M2**

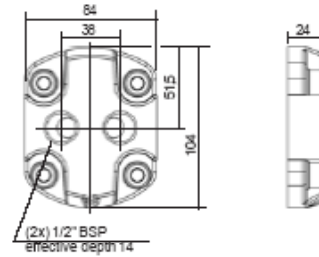
**L**

Standard



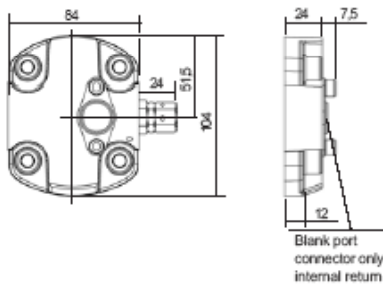
**A**

with ports



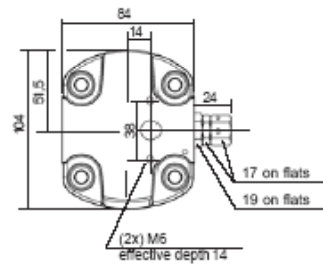
**X**

High pressure relief valve (Adjustable) Internal return



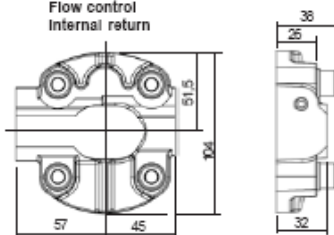
**T**

High pressure relief valve (Adjustable) External return



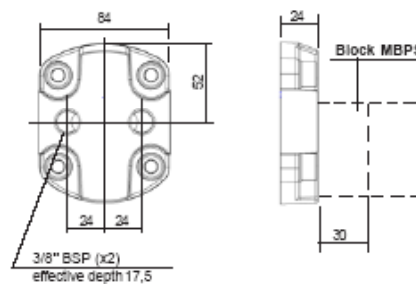
**Q**


Flow control Internal return



**AR**

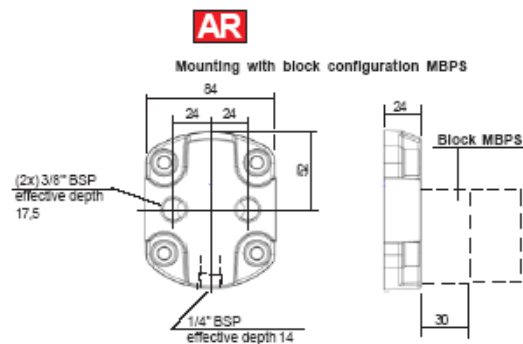
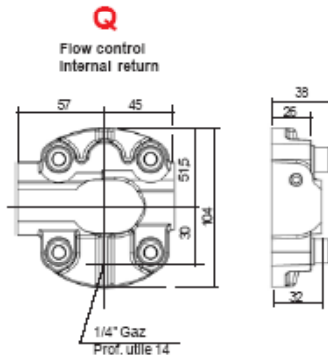
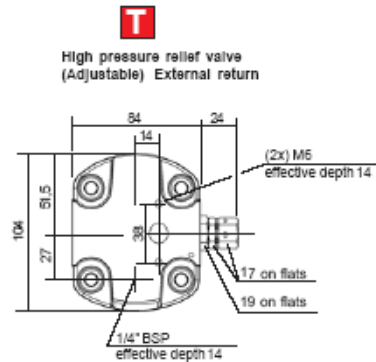
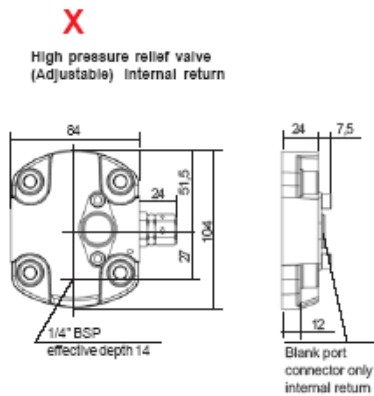
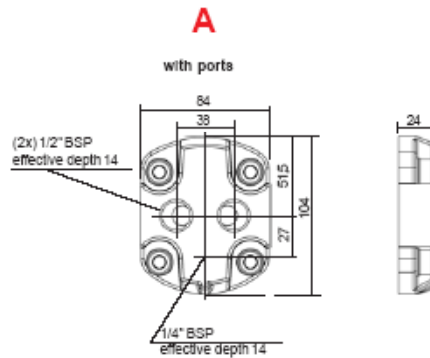
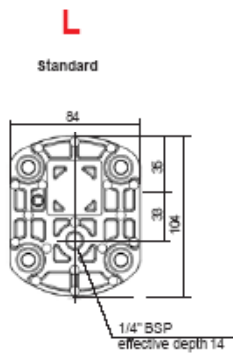
Mounting with block configuration MBPS



 Consult us for availability

SERIES 2,5 TYPE AAN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE AAN

DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



Consult us for availability

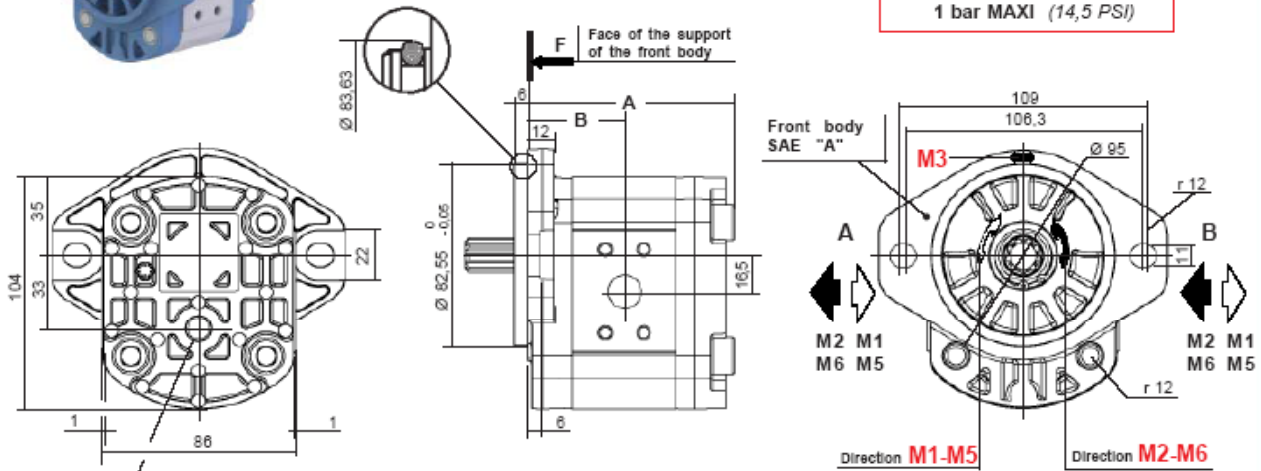


**SERIES 2,5 TYPE AAK**



**M** II Sign **AAK 25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

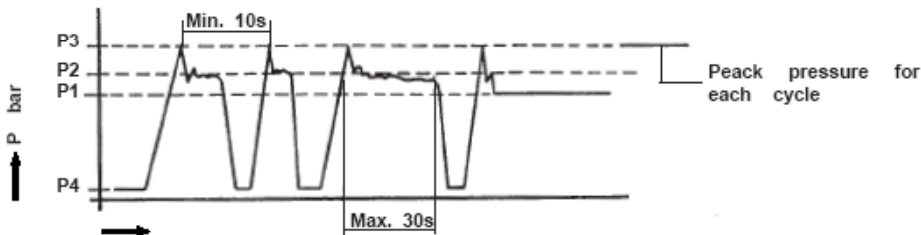
CHOICE of the Capacity	Dimensions	
	A	B
<b>12</b>	107	51
<b>15 - 17 - 18 - 22</b>	123	59

**Seale kits:**  
**M1 - M2**  
 Nitrile: K5069810 + K102901  
 Viton: K5069820 + K104093  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K102901  
 Viton: K5071068 + K104093  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at			mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3	
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6	
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7	
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	/	3500	2,7	
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	/	3500	2,8	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE AAK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION							
		INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M5	M6	M3	M1	M2	M5	M6	M3	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE		
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	A	B	B	A	B	A						
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	A	B	B	A	B	A						
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	A	B	B	A	B	A						
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	A	B	B	A	B	A						
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	A	B	B	A	B	A						
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																		
<b>Y</b> (ISO 6162)  ØF effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	A	B	B	A	B	A						
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																		
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																											

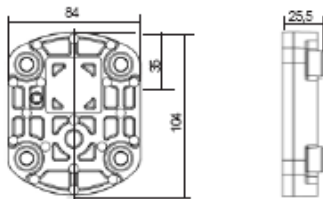
Consult us for availability **JTEKT**  
**HPI**

**SERIES 2,5 TYPE AAK**

**REAR BODIES for MOTORS M1 - M2**

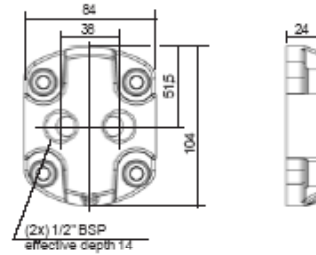
**L**

Standard



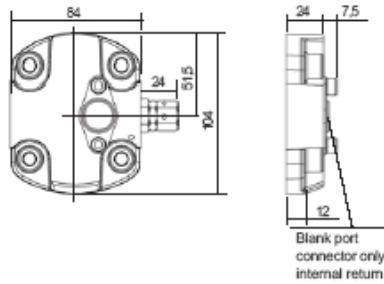
**A**

with ports



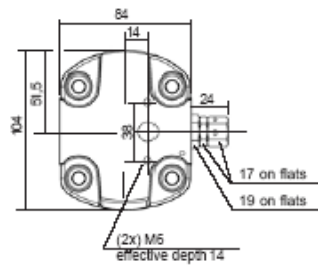
**X**

High pressure relief valve  
(Adjustable) Internal return



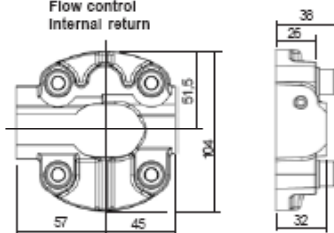
**T**

High pressure relief valve  
(Adjustable) External return



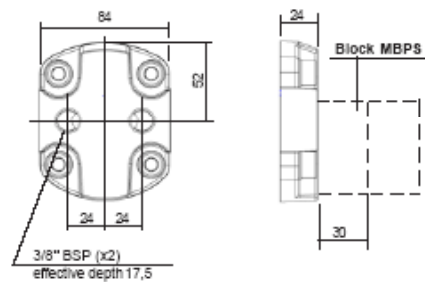
**Q**

Flow control  
Internal return



**AR**

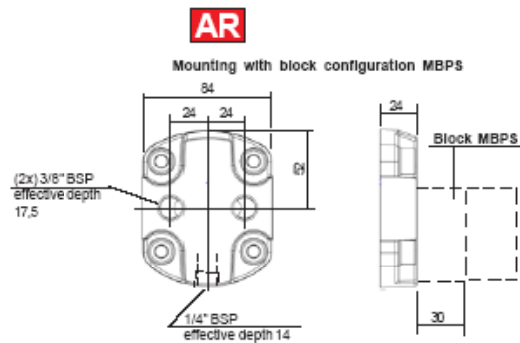
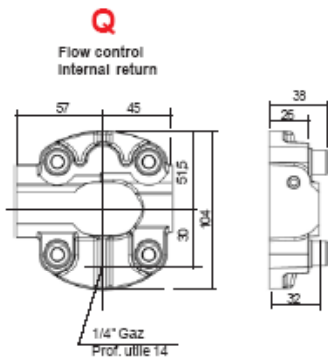
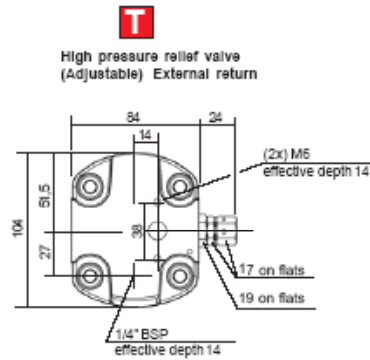
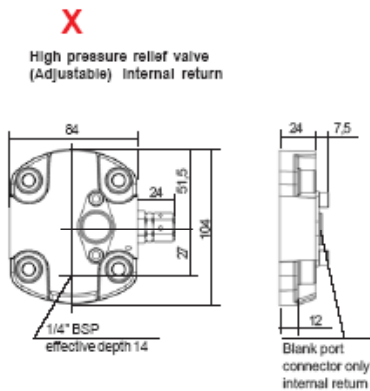
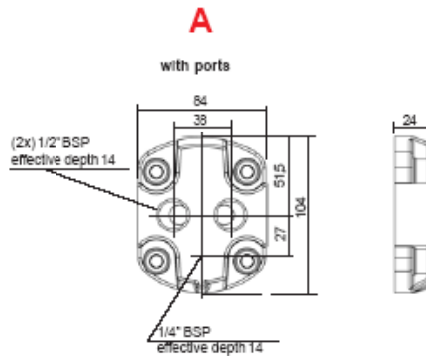
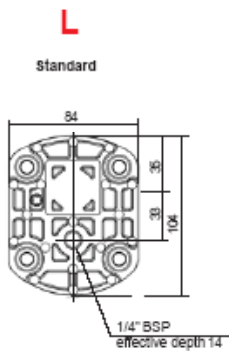
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE AAK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE AAK

DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1 / 8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1 / 5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>D01</b></p> <p>Involute spline shaft 5 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



Consult us for availability

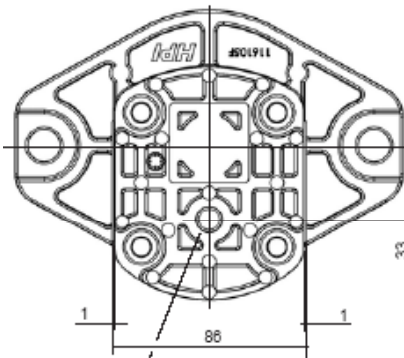


SERIES 2,5 TYPE AFN

**M** II Sign **AFN** 25 VI Sign **HL** IX Sign X Sign | XI Sign XII Sign

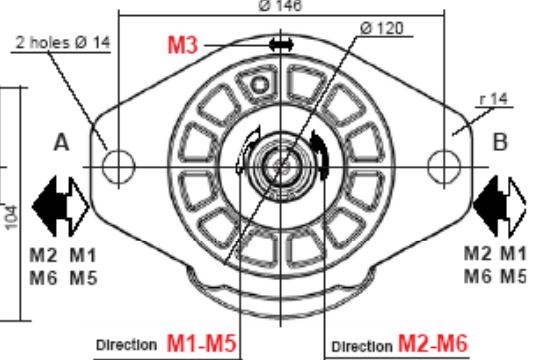
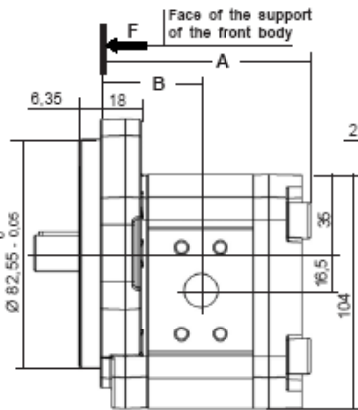
For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**35 N.m**



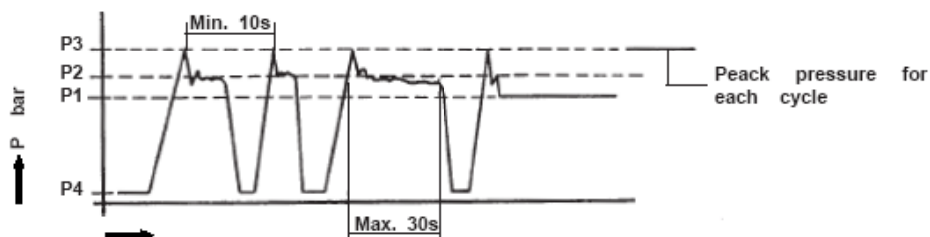
CHOICE of the Capacity	Dimensions	
	A	B
12	108	52
15 - 17 - 18 - 22	124	60

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacture to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071067 Viton: K5071068  
(For manufacture to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,7
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



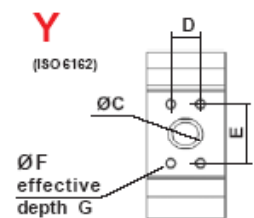
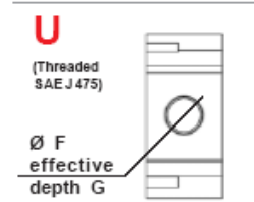
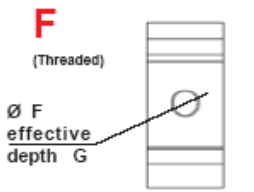
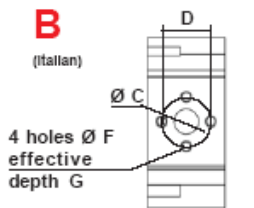
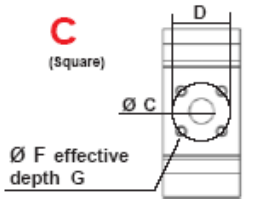
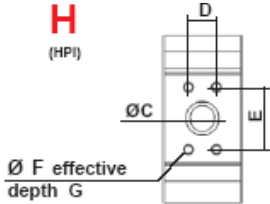
Consult us for availability



**SERIES 2,5 TYPE AFN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure <b>M1</b> ENTREE SORTIE		1 way rotation with counter pressure <b>M2</b> ENTREE SORTIE		2 ways rotation with counter pressure <b>M3</b>	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	A	B	B	A	B	A				
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	A	B	B	A	B	A				
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	A	B	B	A	B	A				
2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	A	B	B	A	B	A				
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	A	B	B	A	B	A				
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	A	B	B	A	B	A				
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2512 to 2522	Only with rear body Type A																									

Consult us for availability

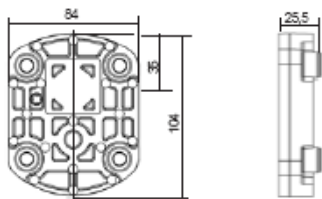


SERIES 2,5 TYPE AFN

REAR BODIES for MOTORS M1 - M2

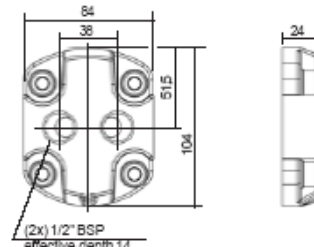
**L**

Standard



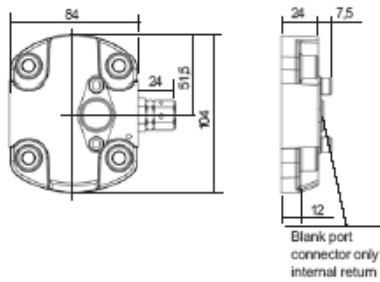
**A**

with ports



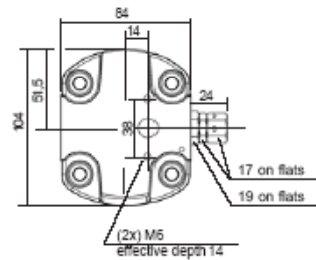
**X**

High pressure relief valve (Adjustable) Internal return



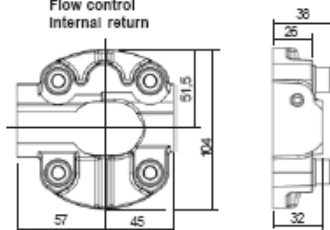
**T**

High pressure relief valve (Adjustable) External return



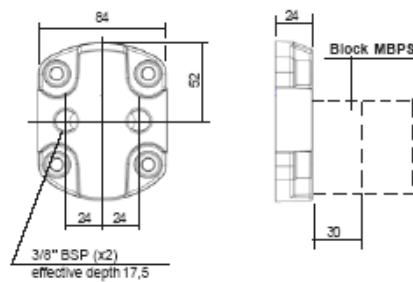
**Q**

Flow control Internal return



**AR**

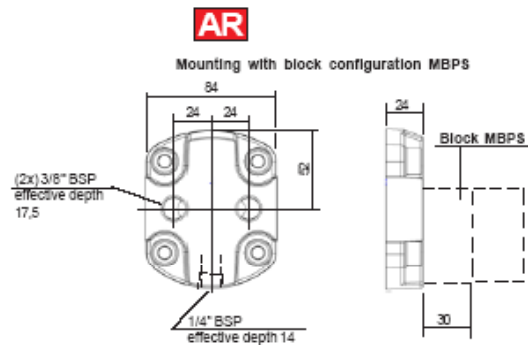
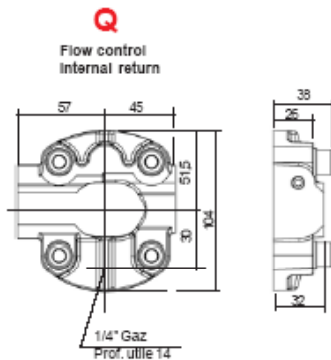
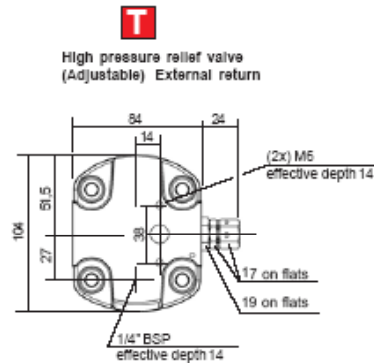
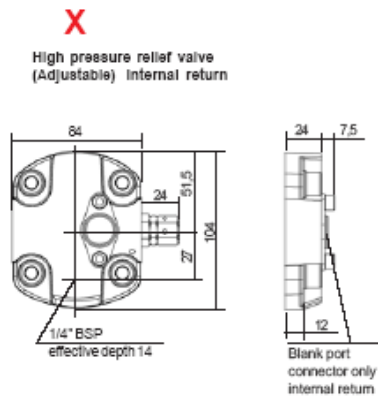
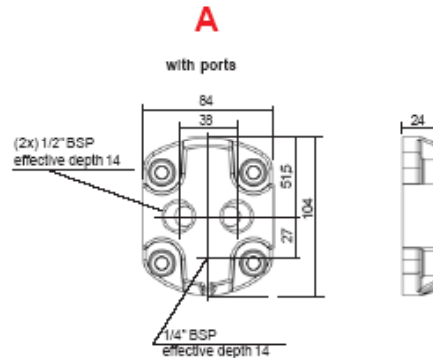
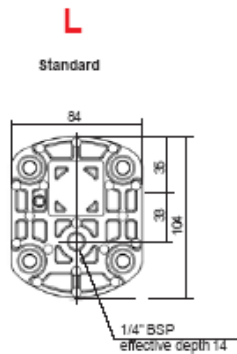
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2,5 TYPE AFN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE AFN

DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> 250 N.m</p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> 70 N.m</p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> 220 N.m</p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>
<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>

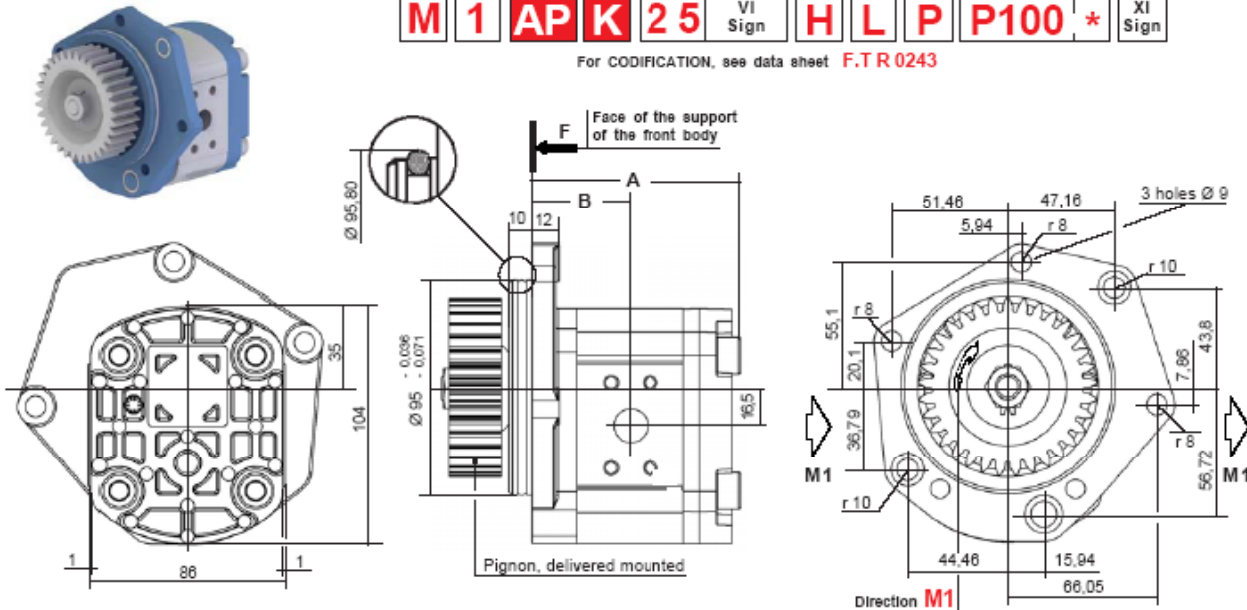
Consult us for availability



SERIES 2,5 TYPE APK

**M 1** **APK** **25** VI Sign **H L P** **P100** \* XI Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**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**

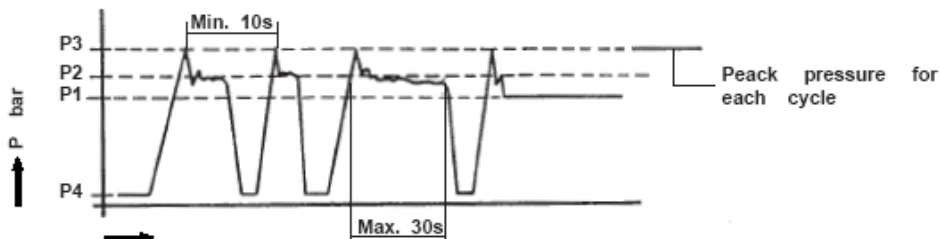
	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

**Scala Kite:**  
**M1**  
 Nitrile: **K5069810 + X368928**  
 Viton: **K5069820**  
 (For manufacturer to since January 1984)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at			mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3	
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,6	
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,7	
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>bar</sub>	///	3500	2,7	
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>bar</sub>	///	3500	2,8	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE APK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET				
		ØC	D	E	ØF	G	ØC	D	E	ØF	G
<p><b>H</b> (HPI)</p> <p>Ø F effective depth G</p>	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12
<p><b>C</b> (Square)</p> <p>Ø F effective depth G</p>	2512 to 2522	20	40		M6	12	15	35		M6	12
<p><b>B</b> (Italian)</p> <p>4 holes Ø F effective depth G</p>	2512 to 2522	20	40		M6	13	15	30		M6	13
<p><b>F</b> (Threaded)</p> <p>Ø F effective depth G</p>	2512 to 2522				1" BSP	18			1/2" BSP		14
<p><b>U</b> (Threaded SAE J 475)</p> <p>Ø F effective depth G</p>	2512				1"5/16 12 UNF 2B	20			7/8" 14 UNF 2B		17
	2515 to 2522				1"5/16 12 UNF 2B	20			1"1/16 12 UNF 2B		20
<p><b>Y</b> (ISO 6162)</p> <p>Ø F effective depth G</p>	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14

Consult us for availability

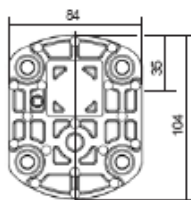


**SERIES 2,5 TYPE APK**

**REAR BODIES for MOTORS M1 - M2**

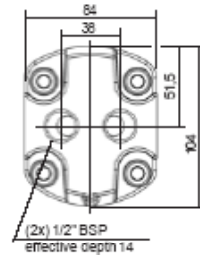
**L**

Standard



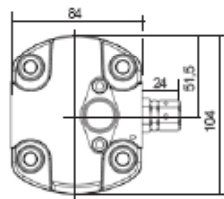
**A**

with ports



**X**

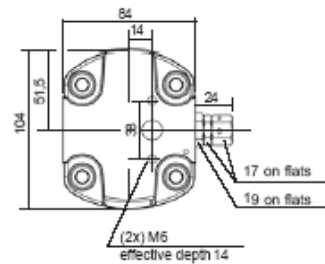
High pressure relief valve (Adjustable) Internal return



Blank port connector only internal return

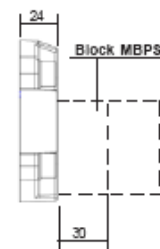
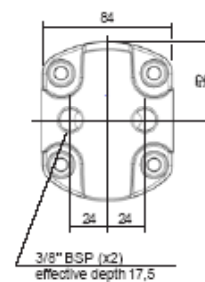
**T**

High pressure relief valve (Adjustable) External return



**AR**

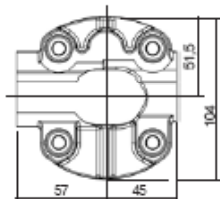
Mounting with block configuration MBPS



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

**Q**

Flow control Internal return



Consult us for availability

SERIES 2,5 TYPE APK

DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>

**B02** Cône 1 / 8



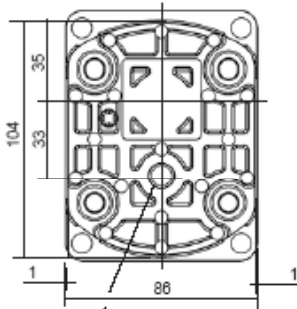
Delivered with nut: K100841

Maxi transmissible torque  
**250 N.m**

SERIES 2,5 TYPE BAN

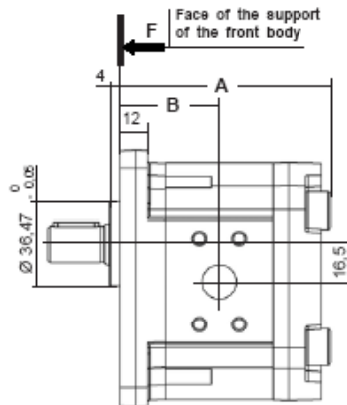
**M** II Sign **BA N 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

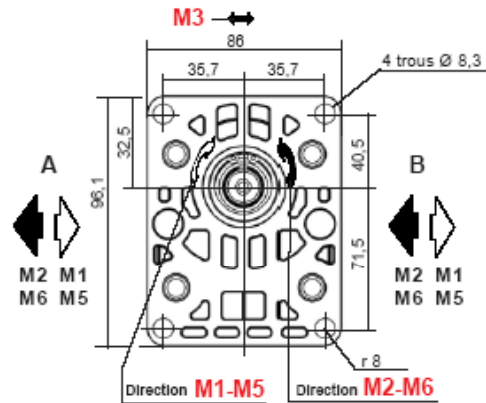


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**



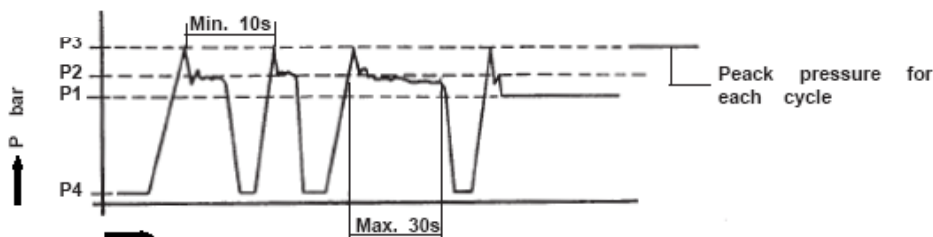
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

**Seals kit:**  
**M1 - M2**  
 Nitrile: K5069810 Viton: K5069820  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 Viton: K5071068  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



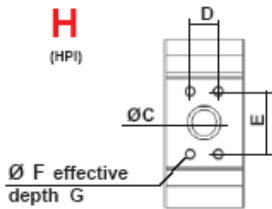
**SERIES 2,5 TYPE BAN**

**CHOICE of the IMPLANTATIONS of PORTS**

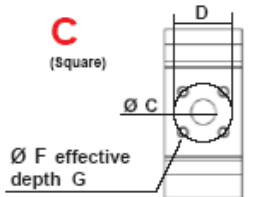
Port connector, see our Catalogue N° 70

AFFECTATION			
1 way rotation without counter pressure		2 ways rotation with counter pressure	
M1	M2	M3	
ENTREE	SORTIE	ENTREE	SORTIE

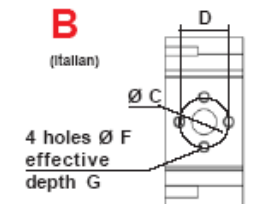
1 way rotation with counter pressure			
M5	M6	M3	
INLET	OUTLET	INLET	OUTLET



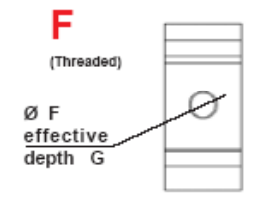
Capacity	INLET					OUTLET					M1		M2		M3	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A



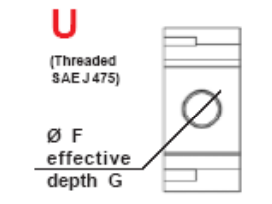
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
--------------	----	----	--	----	----	----	----	--	----	----	---	---	---	---	---	---



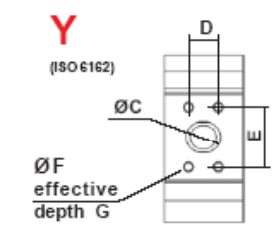
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
--------------	----	----	--	----	----	----	----	--	----	----	---	---	---	---	---	---



2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
--------------	--	--	--	--------	----	--	--	--	----------	----	---	---	---	---	---	---



2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						



2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14						



2512 to 2522	Only with rear body Type A														
--------------	----------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

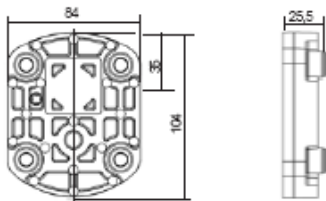


**SERIES 2,5 TYPE BAN**

**REAR BODIES for MOTORS M1 - M2**

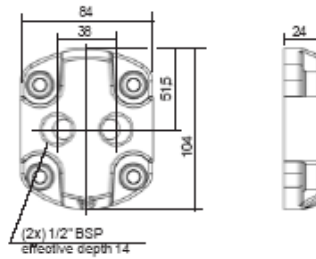
**L**

Standard



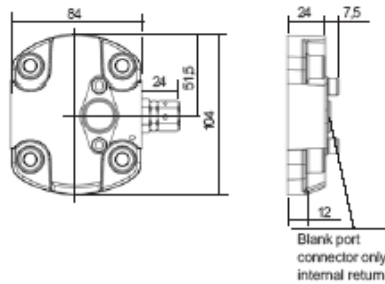
**A**

with ports



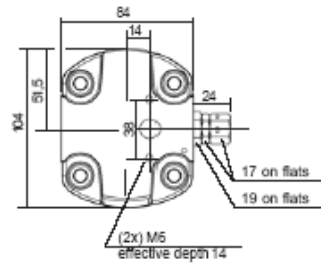
**X**

High pressure relief valve (Adjustable) Internal return



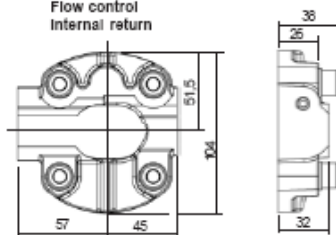
**T**

High pressure relief valve (Adjustable) External return



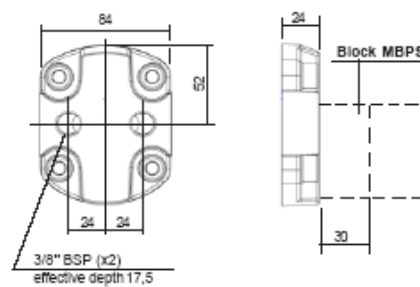
**Q**

Flow control Internal return



**AR**

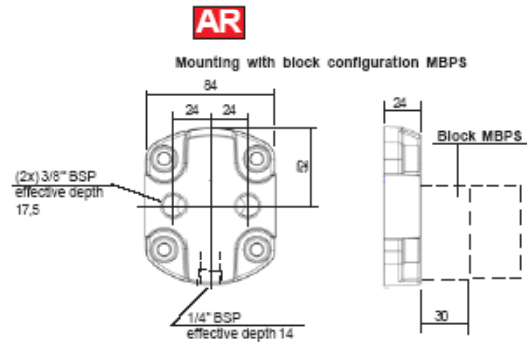
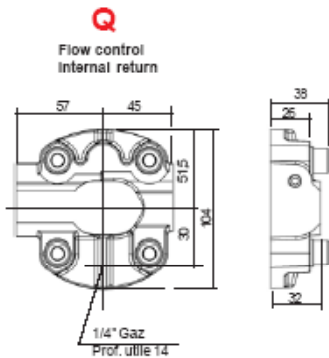
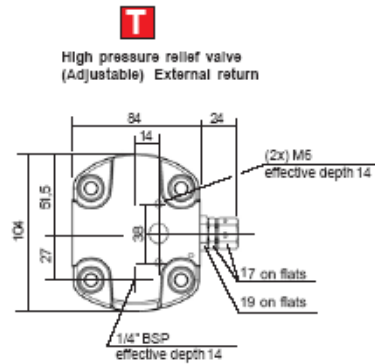
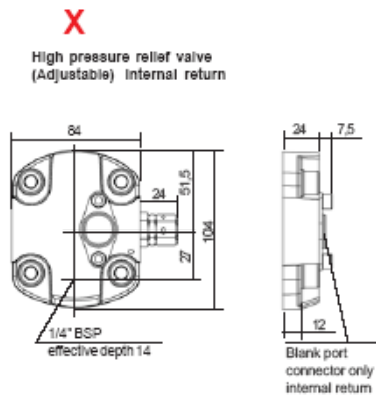
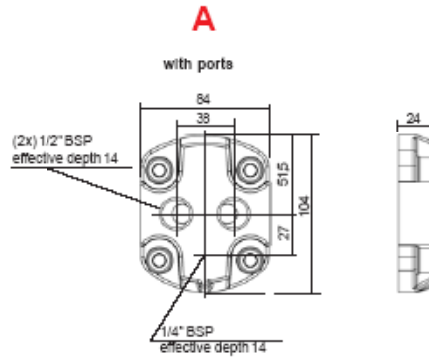
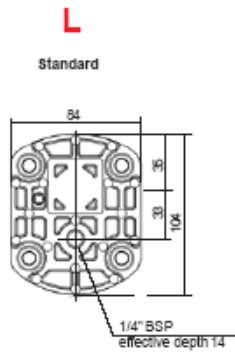
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE BAN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE BAN

DRIVING SHAFT

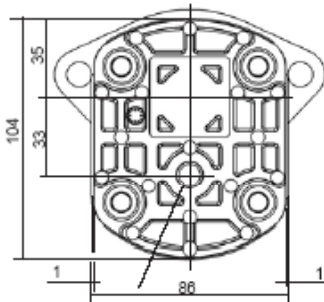
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1 / 8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1 / 5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NFE 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



Consult us for availability



SERIES 2,5 TYPE CAN



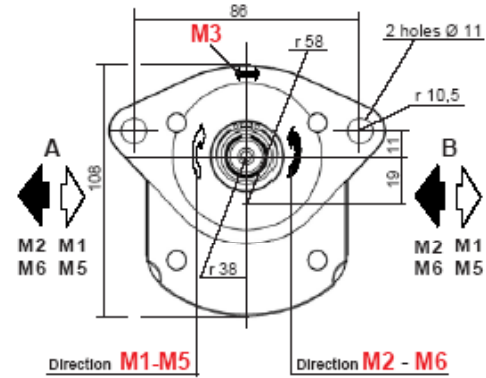
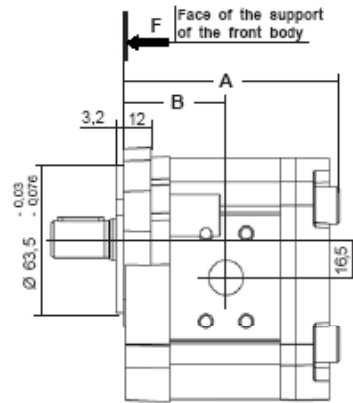
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion 35 N.m

**M** II Sign **CAN 25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243

**PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)**



CHOICE of the Capacity	Dimensions	
	A	B

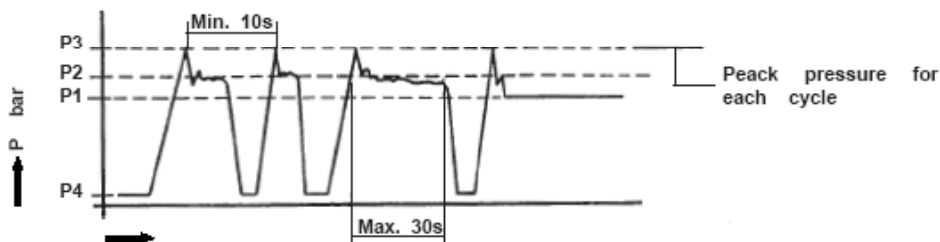
12	107	51
15 - 17 - 18 - 22	123	59

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069810 Viton: K5069820  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 Viton: K5071068  
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>150 bar</sup>	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>150 bar</sup>	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



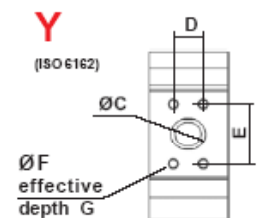
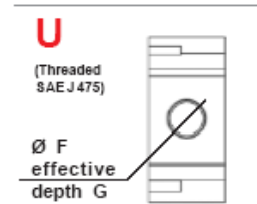
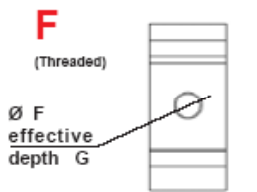
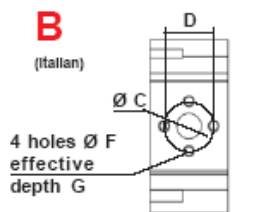
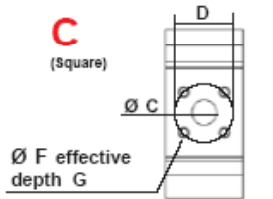
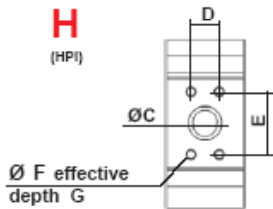
Consult us for availability



**SERIES 2,5 TYPE CAN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	M1 ENTREE SORTIE	M2 ENTREE SORTIE	M3 INLET OUTLET							
2512 to 2522	HPI					HPI					A	B	B	A	B	A	M1	M2	M3							
	Square					Square					A	B	B	A	B	A	M5	M6	M3							
2512 to 2522	Italian					Italian					A	B	B	A	B	A	M1	M2	M3							
	Threaded					Threaded					A	B	B	A	B	A	M5	M6	M3							
2512 to 2522	Threaded SAE J 475					Threaded SAE J 475					A	B	B	A	B	A	M5	M6	M3							
	ISO 6162					ISO 6162					A	B	B	A	B	A	M5	M6	M3							
2512 to 2522	Only with rear body Type A																									



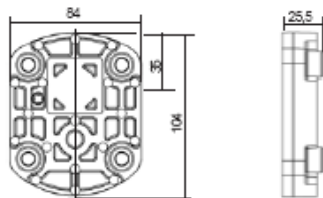
Consult us for availability



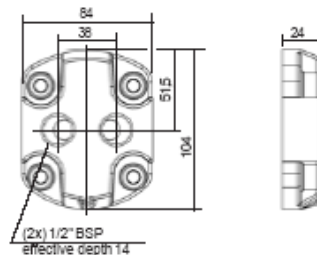
**SERIES 2,5 TYPE CAN**

**REAR BODIES for MOTORS M1 - M2**

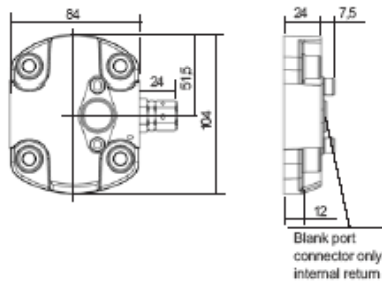
**L**  
Standard



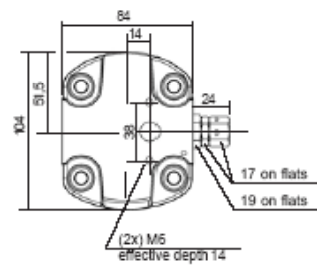
**A**  
with ports



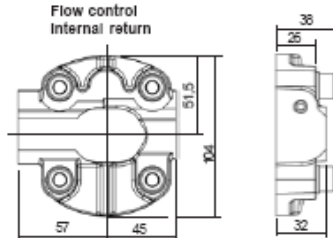
**X**  
High pressure relief valve  
(Adjustable) Internal return



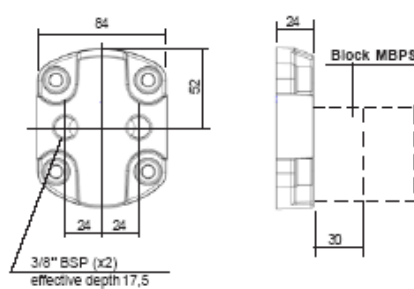
**T**  
High pressure relief valve  
(Adjustable) External return




**Q**  
Flow control  
Internal return



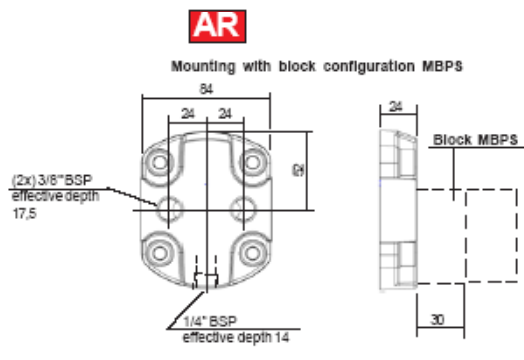
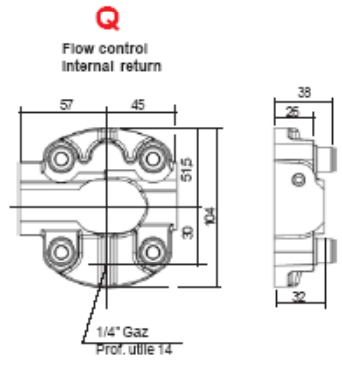
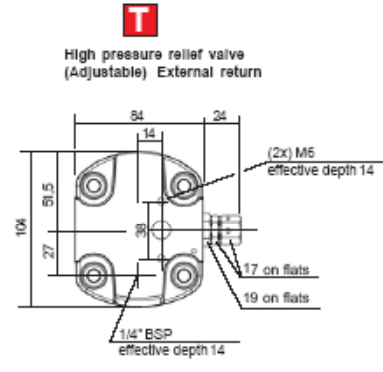
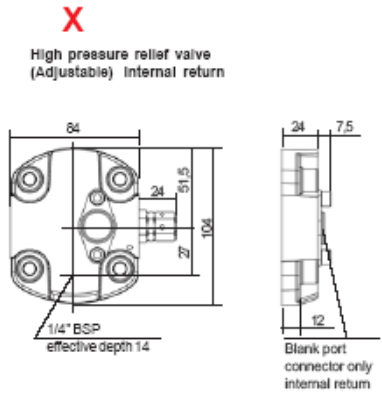
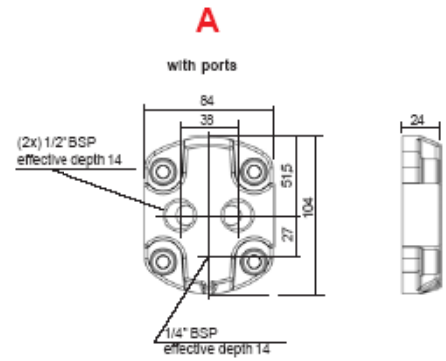
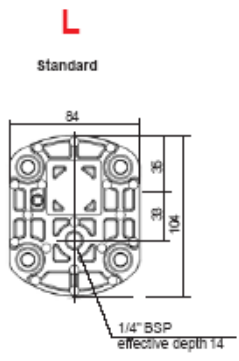
**AR**  
Mounting with block configuration MBPS



 Consult us for availability

SERIES 2,5 TYPE CAN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE CAN

DRIVING SHAFT

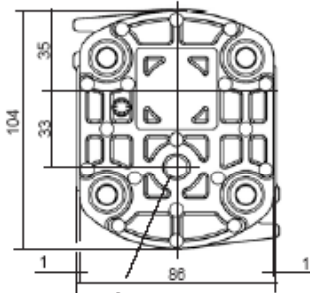
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
<p></p> <p>Consult us for availability</p>		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



SERIES 2,5 TYPE CEN

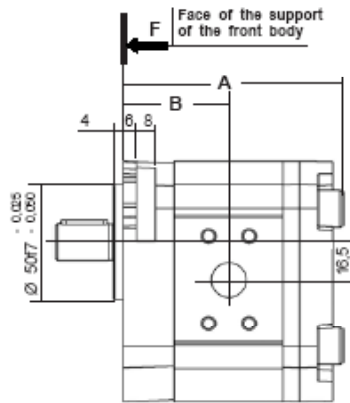
**M** II Sign **CEN 25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

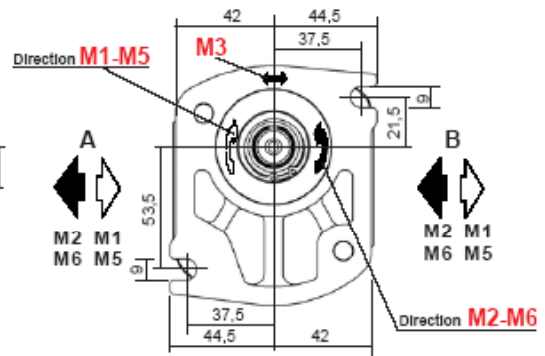


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



CHOICE of the Capacity	Dimensions	
	A	B

12	109	53
15 - 17 - 18 - 22	125	61

Seale kits:

**M1 - M2**

Nitrile: **K5069810** Viton: **K5069820**

(For manufacturer to since January 1984)

**M3 - M5/M6**

Nitrile: **K5071067** Viton: **K5071068**

(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>bar</sub>	///	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>bar</sub>	///	3500	2,8

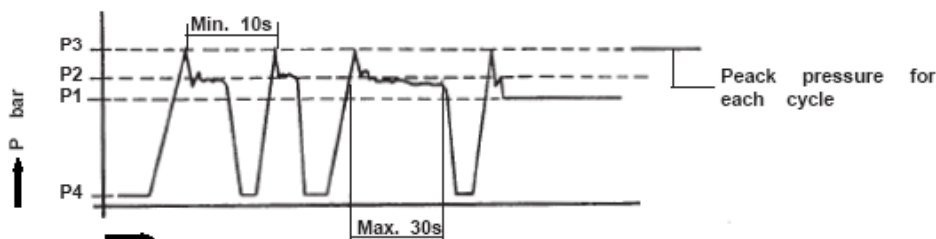
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



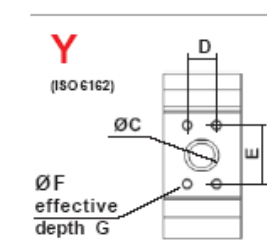
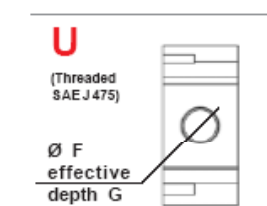
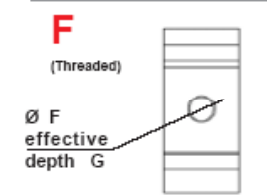
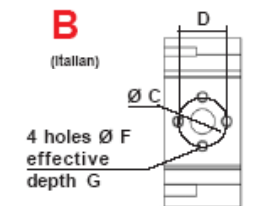
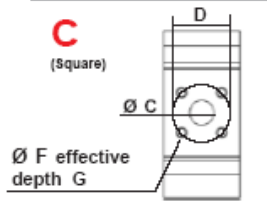
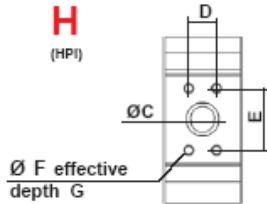
Consult us for availability



**SERIES 2,5 TYPE CEN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE		M2 ENTREE SORTIE		M5 ENTREE SORTIE		M6 ENTREE SORTIE		M3							
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	B	A	B	A						
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A	B	A						
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A						
2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	B	A	B	A						
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A						
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A						
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2512 to 2522	Only with rear body Type A																									

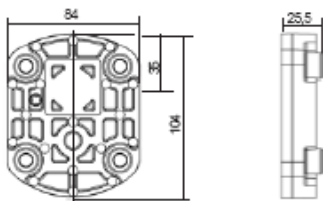


SERIES 2,5 TYPE CEN

REAR BODIES for MOTORS M1 - M2

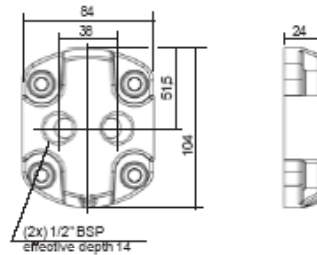
**L**

Standard



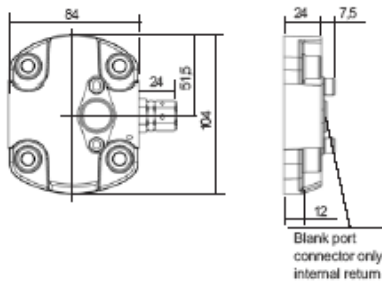
**A**

with ports



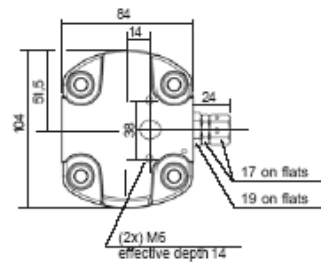
**X**

High pressure relief valve (Adjustable) Internal return



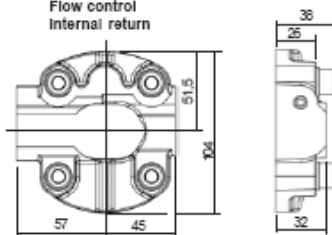
**T**

High pressure relief valve (Adjustable) External return



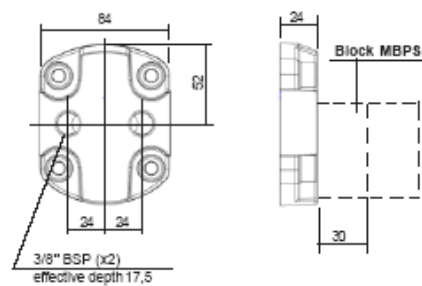
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS

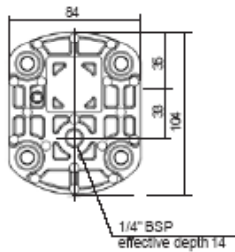


Consult us for availability

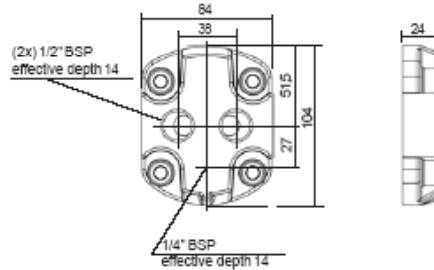
**SERIES 2,5 TYPE CEN**

**REAR BODIES for MOTORS M3 - M5 - M6**

**L**  
Standard

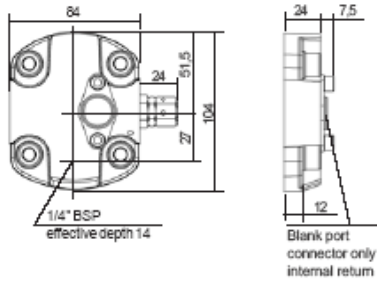


**A**  
with ports



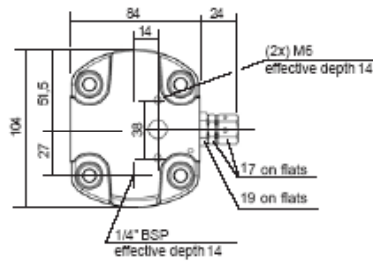
**X**

High pressure relief valve (Adjustable) Internal return



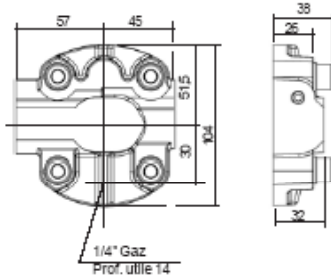
**T**

High pressure relief valve (Adjustable) External return



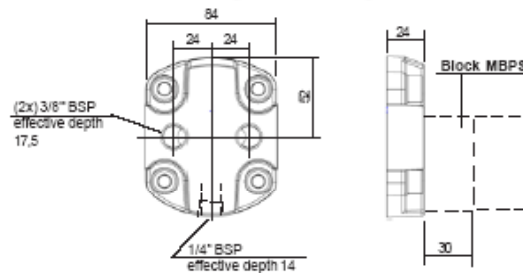
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

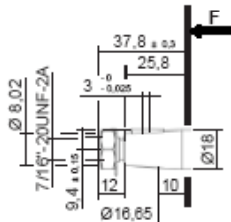
SERIES 2,5 TYPE CEN

DRIVING SHAFTS

Tapered

10

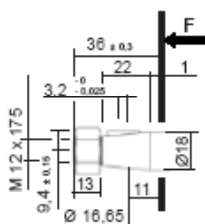
**B02** Cône 1/8



Delivered with nut: K100841

Maxi transmissible torque  
250 N.m

**C02** Cône 1/5



Delivered with nut: K106317

Maxi transmissible torque  
220 N.m

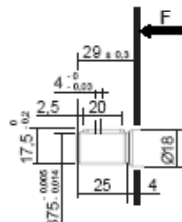


Consult us for availability

Straight keyed

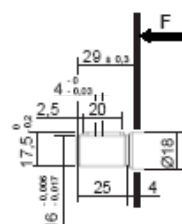
20

**A01**



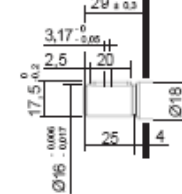
Maxi transmissible torque  
50 N.m

**C02**



Maxi transmissible torque  
50 N.m

**A08**

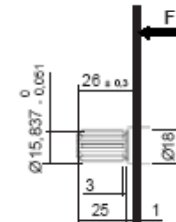


Maxi transmissible torque  
50 N.m

Splined

30

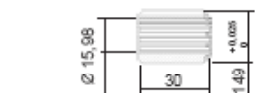
**A01**



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

Maxi transmissible torque  
100 N.m

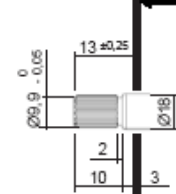
Sleeve coupling 9 teeth / 13 teeth  
Ref.: K.5041310  
Mounting with splined shaft 30 A01



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

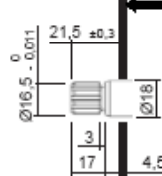
**C02**



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

Maxi transmissible torque  
100 N.m

**D01**



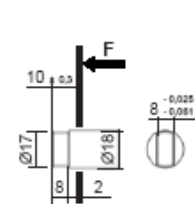
Involute spline shaft B 17 x 14  
9 teeth - Standard DIN 5482 - Module 1,6  
Spigot on free flanks

Maxi transmissible torque  
100 N.m

Tang

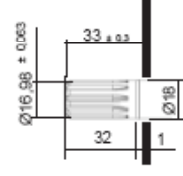
40

**C03**



Maxi transmissible torque  
70 N.m

**A17**



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

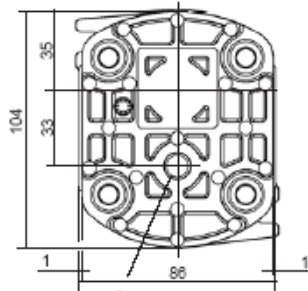
Maxi transmissible torque  
100 N.m



SERIES 2,5 TYPE CEK

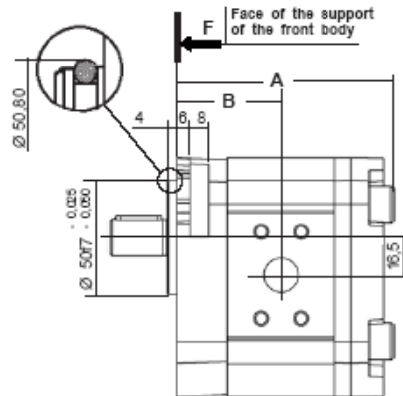
**M** II Sign **CEK 25** VI Sign **HL** IX Sign X Sign I XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R.0243

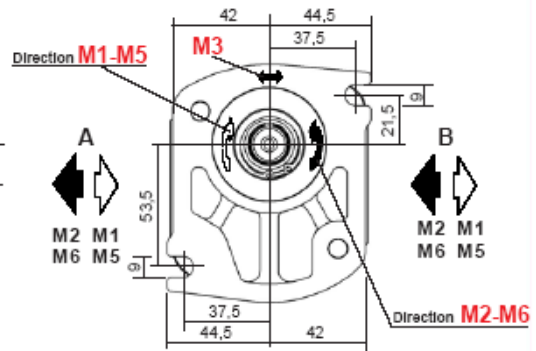


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions	
	A	B
<b>12</b>	109	53
<b>15 - 17 - 18 - 22</b>	125	61

**Seals kits:**

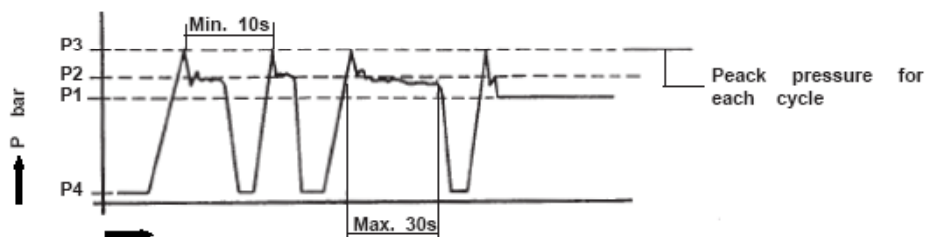
**M1 - M2**  
Nitrile: K5069810 + K102238  
Viton: K5069820  
(For manufacturer to since January 1984)

**M3 - M5/M6**  
Nitrile: K5071067 + K102238  
Viton: K5071068  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	///	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



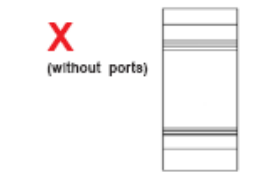
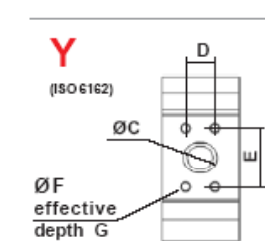
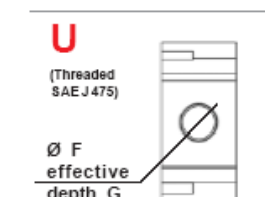
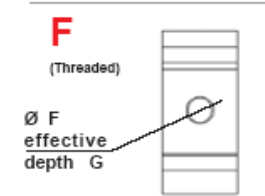
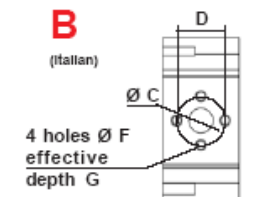
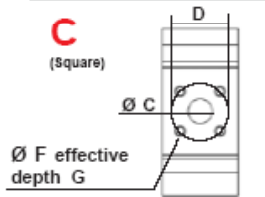
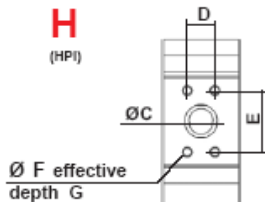
  Consult us for availability



**SERIES 2,5 TYPE CEK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET						AFFECTATION					
	INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure			1 way rotation with counter pressure			M3		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE	M1 SORTIE	M2 ENTREE	M2 SORTIE	M5 INLET	M5 OUTLET	M6 INLET	M6 OUTLET	M3 INLET	M3 OUTLET		
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	B	A	B	A		
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A	B	A		
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A		
2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	B	A	B	A		
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A		
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20												
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A		
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14												
2512 to 2522	Only with rear body Type A																					

Consult us for availability

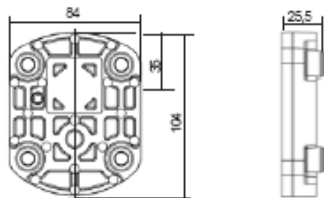


**SERIES 2,5 TYPE CEK**

**REAR BODIES for MOTORS M1 - M2**

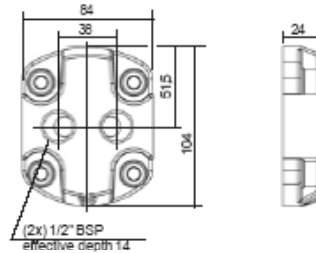
**L**

Standard



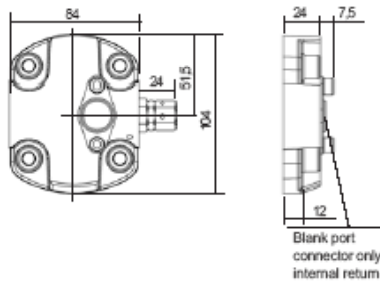
**A**

with ports



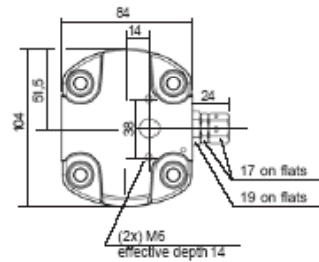
**X**

High pressure relief valve (Adjustable) Internal return



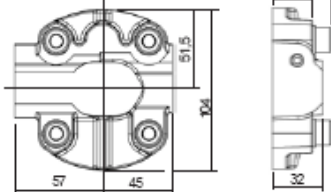
**T**

High pressure relief valve (Adjustable) External return



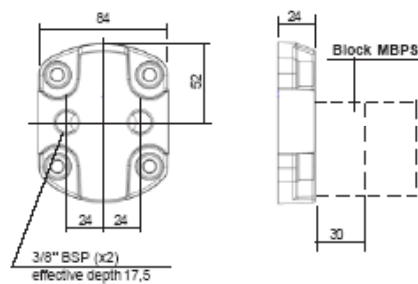
**Q**

Flow control Internal return



**AR**

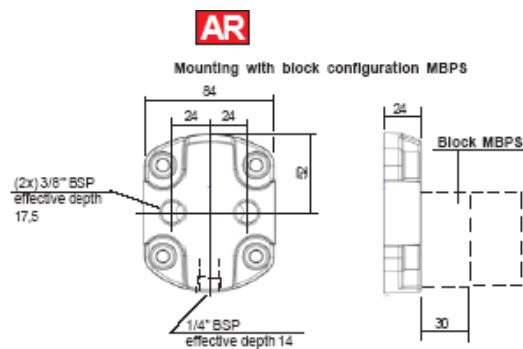
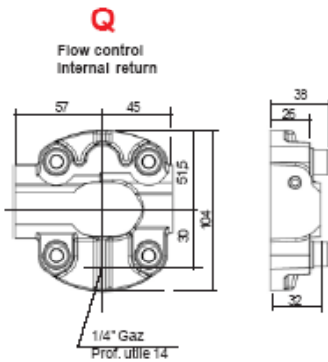
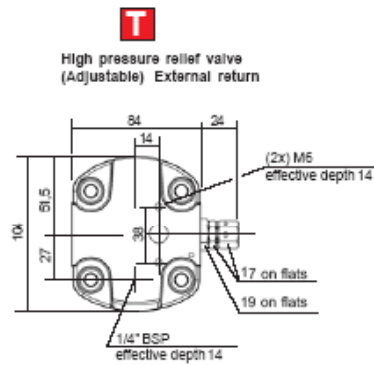
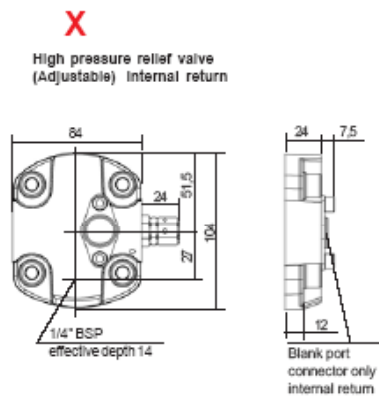
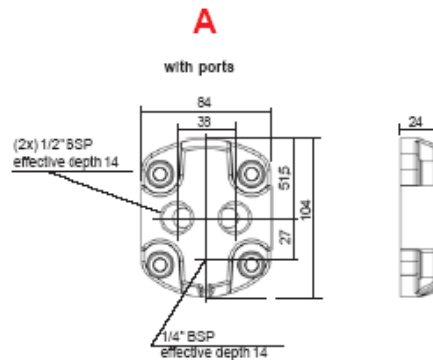
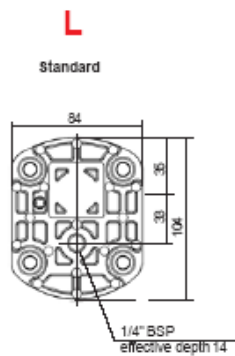
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE CEK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE CEK

DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> 250 N.m</p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> 70 N.m</p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> 220 N.m</p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>



Consult us for availability

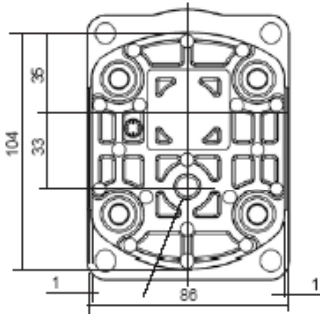


SERIES 2,5 TYPE DBN



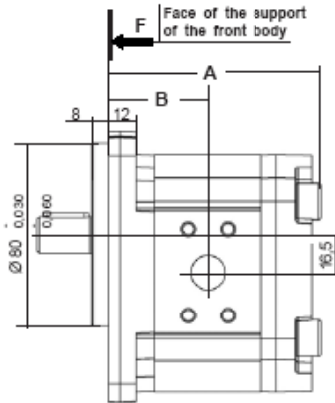
**M** II Sign **DB N 25** VI Sign **H L** IX Sign **X** Sign **XI** Sign **XII** Sign

For CODIFICATION, see data sheet **F.T.R 0243**

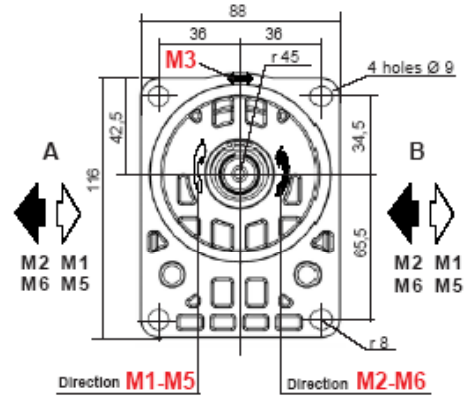


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



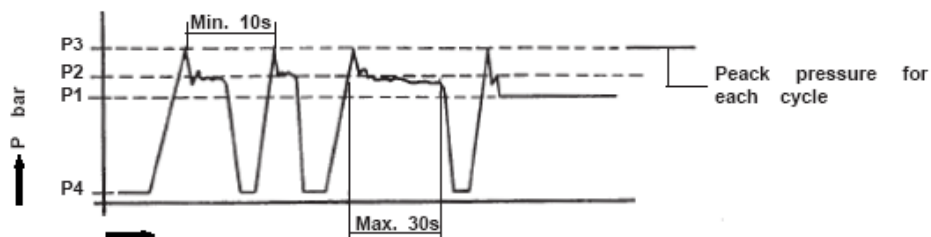
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

**Seals kite:**  
**M1 - M2**  
Nitrile: K5069810 Viton: K5069820  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071067 Viton: K5071068  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,7
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE DBN**

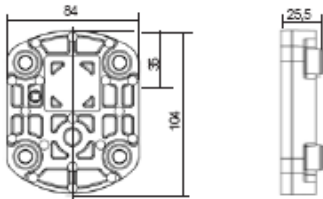
CHOICE of the IMPLANTATIONS of PORTS		Port connector, see our Catalogue N° 70										AFFECTATION								
		INLET					OUTLET					1 way rotation without counter pressure <b>M1</b> ENTREE SORTIE		1 way rotation with counter pressure <b>M5</b>		2 ways rotation with counter pressure <b>M2</b> ENTREE SORTIE		<b>M3</b>		
		Capacity	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A			
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A			
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A			
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A			
<b>U</b> (Threaded SAE J 475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A			
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20									
<b>Y</b> (ISO 6162)  ØF effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A			
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14									
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																		

SERIES 2,5 TYPE DBN

REAR BODIES for MOTORS M1 - M2

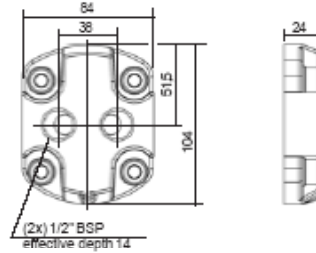
**L**

Standard



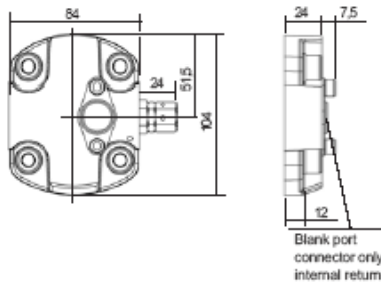
**A**

with ports



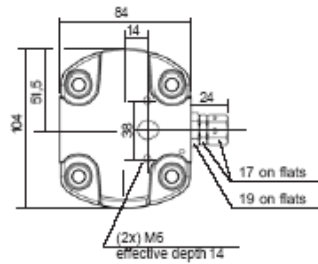
**X**

High pressure relief valve (Adjustable) Internal return



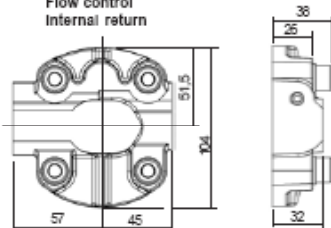
**T**

High pressure relief valve (Adjustable) External return



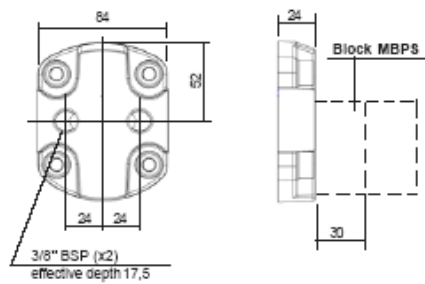
**Q**

Flow control Internal return



**AR**

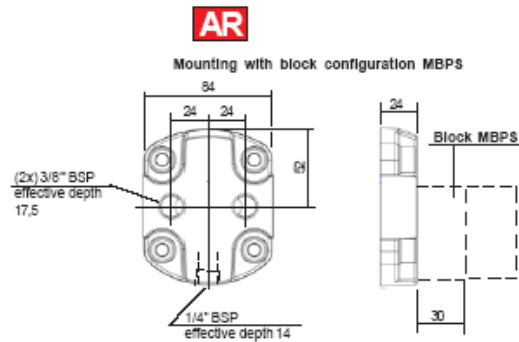
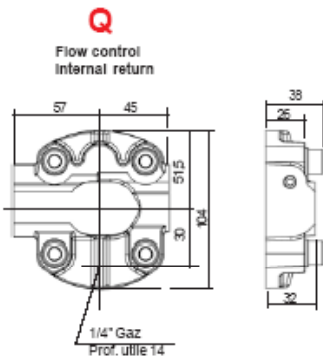
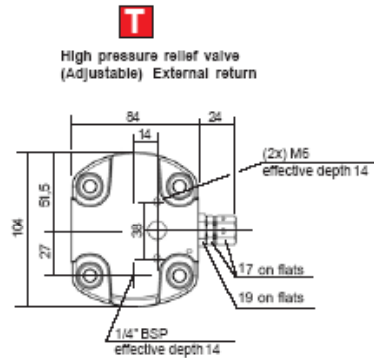
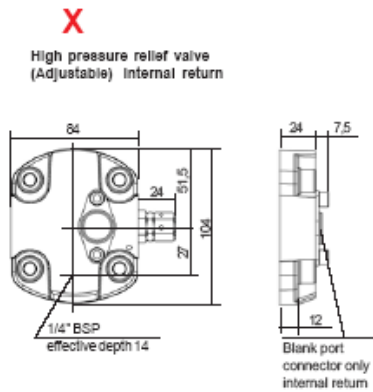
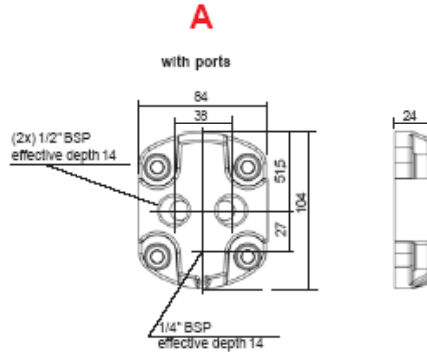
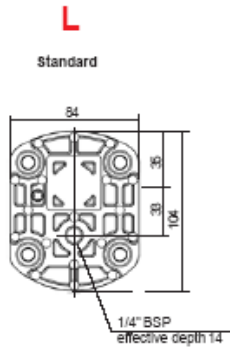
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2,5 TYPE DBN**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability



SERIES 2,5 TYPE DBN

DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
			<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



Consult us for availability

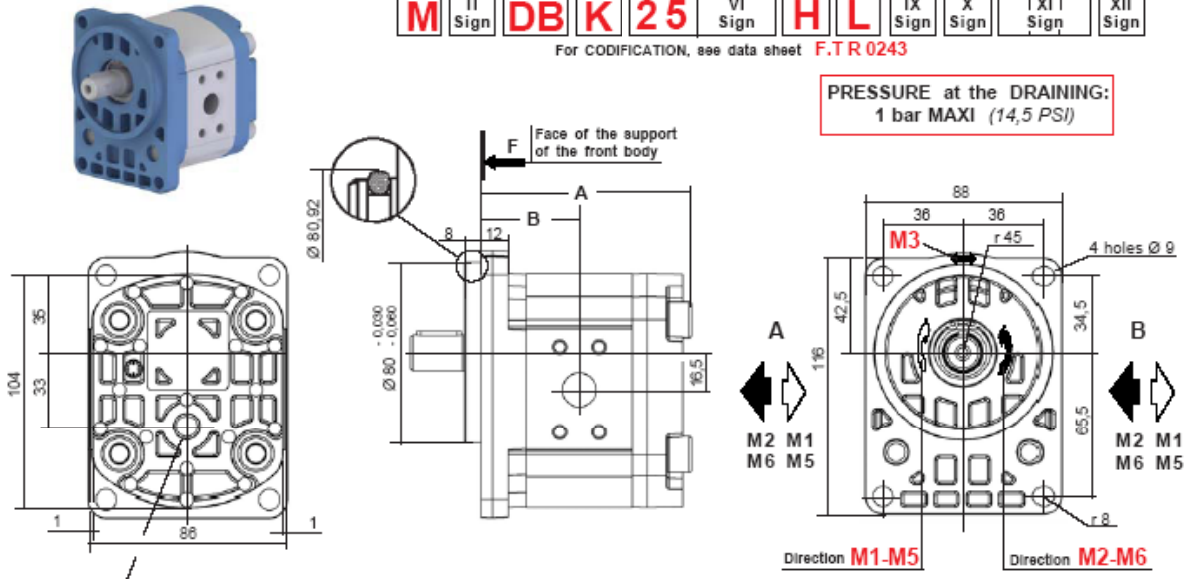


SERIES 2,5 TYPE DBK

**M** II Sign **DBK 25** VI Sign **HL** IX Sign **X** Sign **IXI** Sign **XII** Sign

For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**35 N.m**

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

Seals kits:

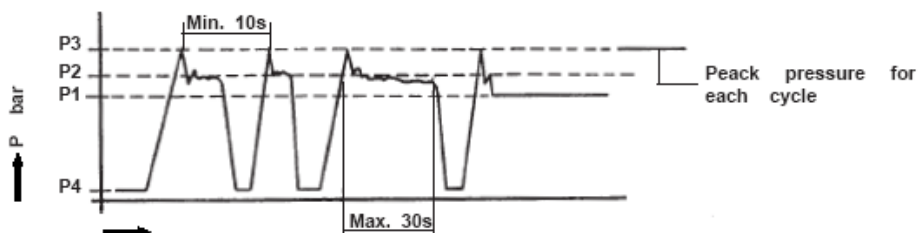
**M1 - M2**  
Nitrile: K5069810 + K101517  
Viton: K5069820 + K104406  
(For manufacturer to since january 1984)

**M3 - M5/M6**  
Nitrile: K5071067 + K101517  
Viton: K5071068 + K104406  
(For manufacturer to since february 1985)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



  Consult us for availability



**SERIES 2,5 TYPE DBK**

CHOICE of the IMPLANTATIONS of PORTS		Capacity										AFFECTATION					
		INLET					OUTLET					1 way rotation without counter pressure M1 ENTREE SORTIE		M2 ENTREE SORTIE		2 ways rotation with counter pressure M3	
Port connector, see our Catalogue N° 70		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
	2512 to 2522				1" 5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
<b>U</b> (Threaded SAE J 475)  Ø F effective depth G	2512 to 2522				1" 5/16 12 UNF 2B	20				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2512 to 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
<b>Y</b> (ISO 6162)  ØF effective depth G	2512 to 2522	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
	2512 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A															

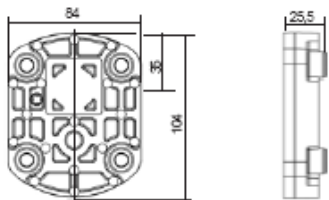


**SERIES 2,5 TYPE DBK**

**REAR BODIES for MOTORS M1 - M2**

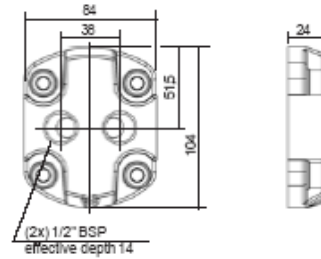
**L**

Standard



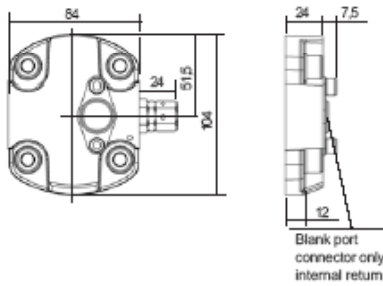
**A**

with ports



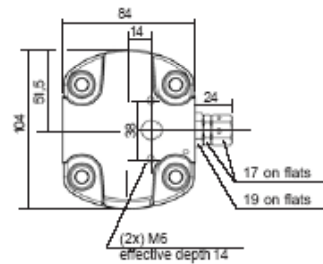
**X**

High pressure relief valve (Adjustable) internal return



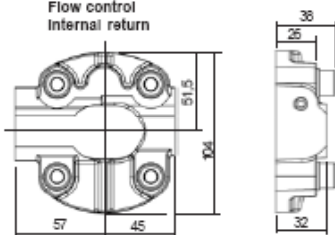
**T**

High pressure relief valve (Adjustable) External return



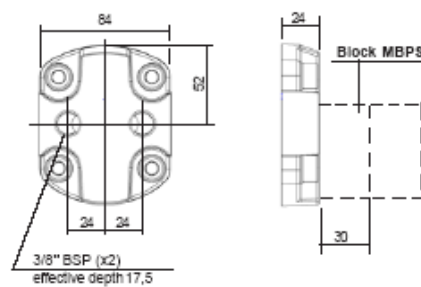
**Q**

Flow control Internal return



**AR**

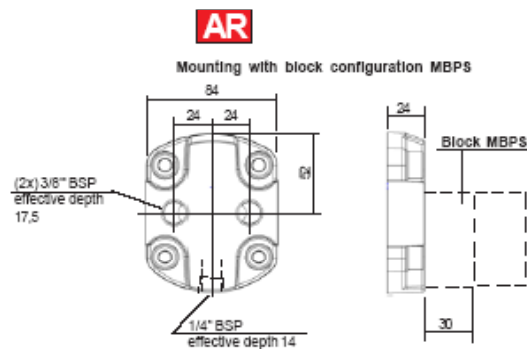
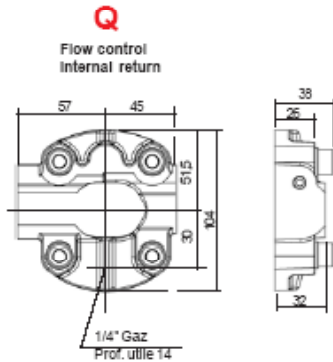
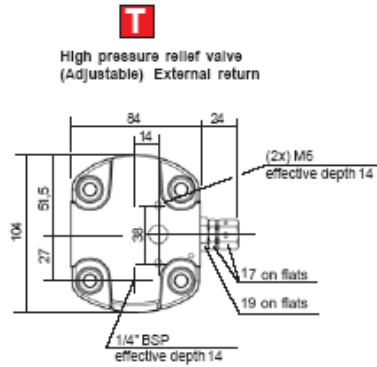
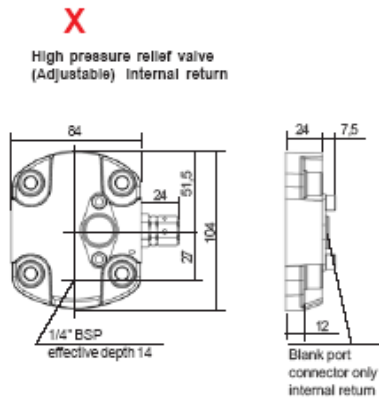
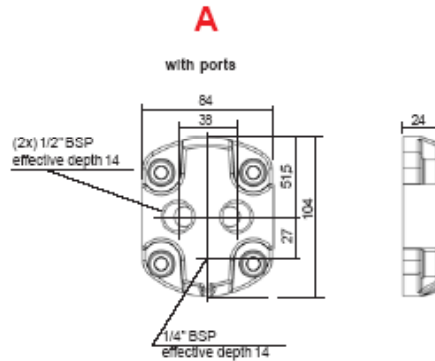
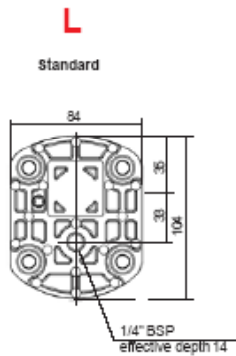
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE DBK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE DBK

DRIVING SHAFT

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> 250 N.m</p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> 70 N.m</p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> 220 N.m</p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> 50 N.m</p>	<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> 100 N.m</p>



Consult us for availability

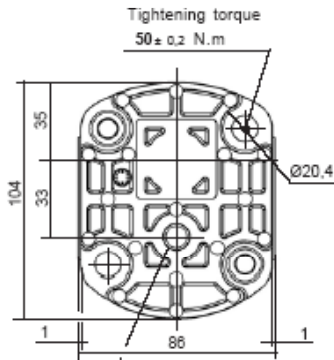


SERIES 2,5 TYPE DCN



**M** II Sign **DC N 2 5** VI Sign **H L** IX Sign **X** Sign **XI** Sign **XII** Sign

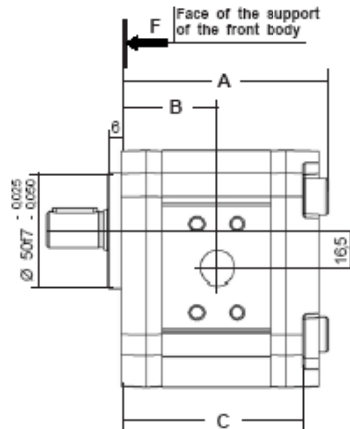
For CODIFICATION, see data sheet **F.T.R 0243**



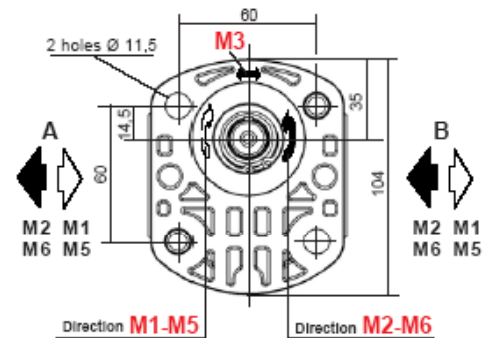
Tightening torque  
50 ± 0.2 N.m

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

**Seals kits:**

**M1 - M2**

Nitrile: K5069890 + K101513

Viton: K5069820 + K101326

(For manufacturer to since January 1984)

**M3 - M5/M6**

Nitrile: K5073287 + K101513

Viton: K5071068 + K101326

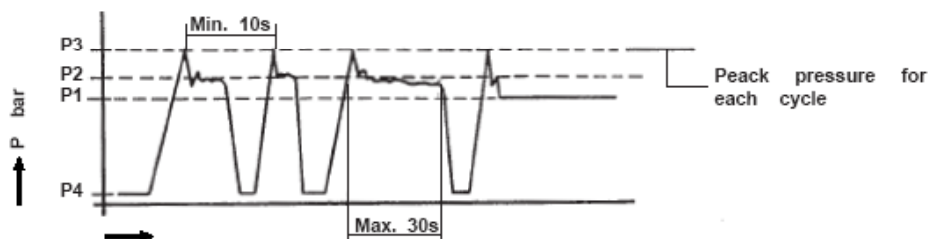
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	2,7
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty  
P3 Max. Allowable peak pressure

P2 Maximum pressure in intermittent duty  
P4 Pressure at Motor outlet ≤ P (Only in M3)



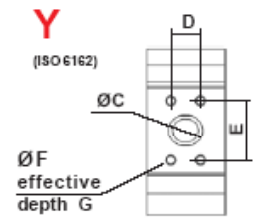
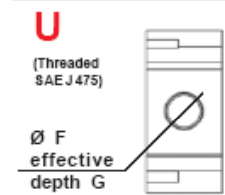
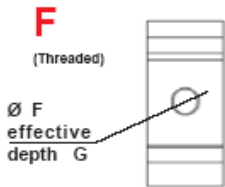
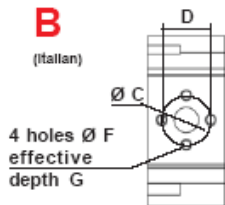
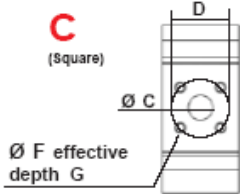
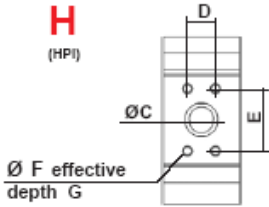
Consult us for availability



**SERIES 2,5 TYPE DCN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure			2 ways rotation with counter pressure		
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	M1	M2	M3	ENTREE	SORTIE	ENTREE	SORTIE					
											1 way rotation with counter pressure															
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	B	A	B	A						
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A								
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A								
2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	B	A								
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A								
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A								
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2512 to 2522	Only with rear body Type A																									

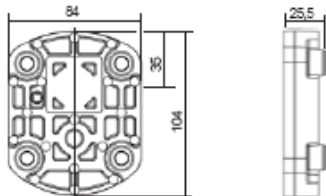


**SERIES 2,5 TYPE DCN**

**REAR BODIES for MOTORS M1 - M2**

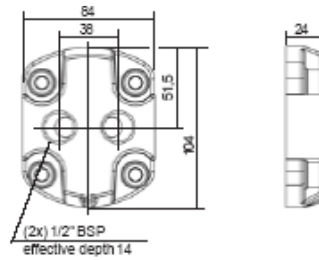
**L**

Standard



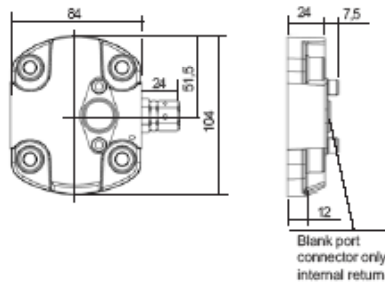
**A**

with ports



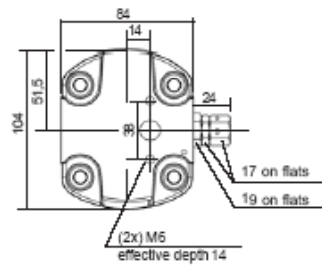
**X**

High pressure relief valve  
(Adjustable) Internal return



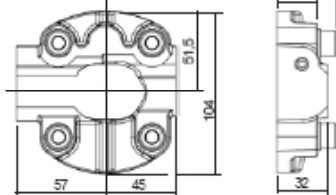
**T**

High pressure relief valve  
(Adjustable) External return



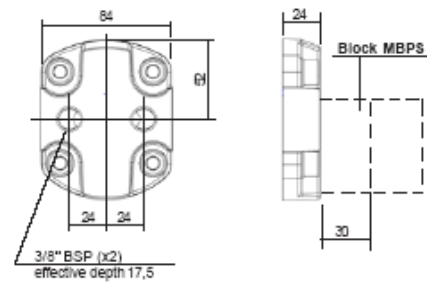
**Q**

Flow control  
Internal return



**AR**

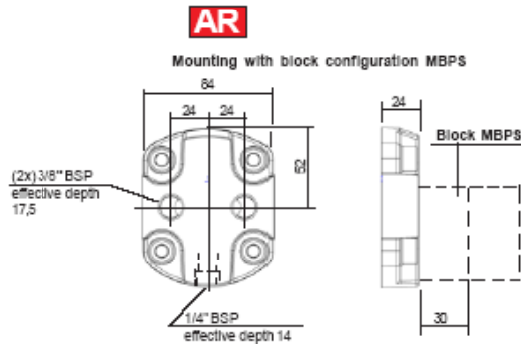
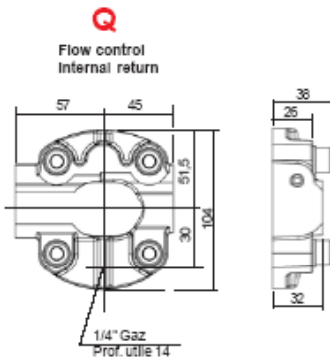
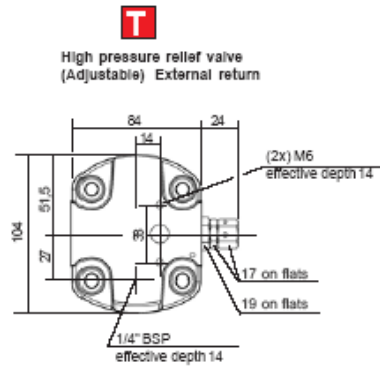
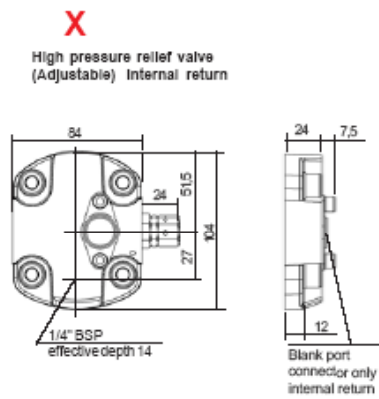
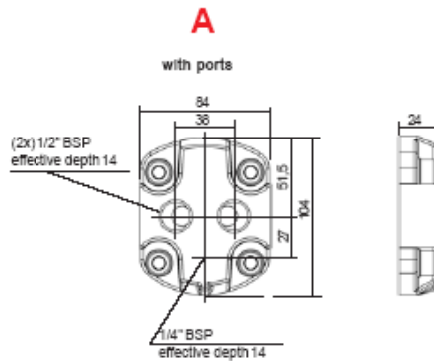
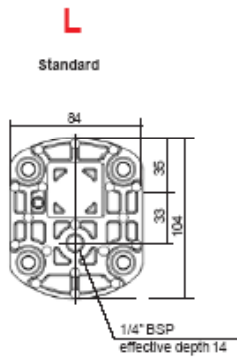
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE DCN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

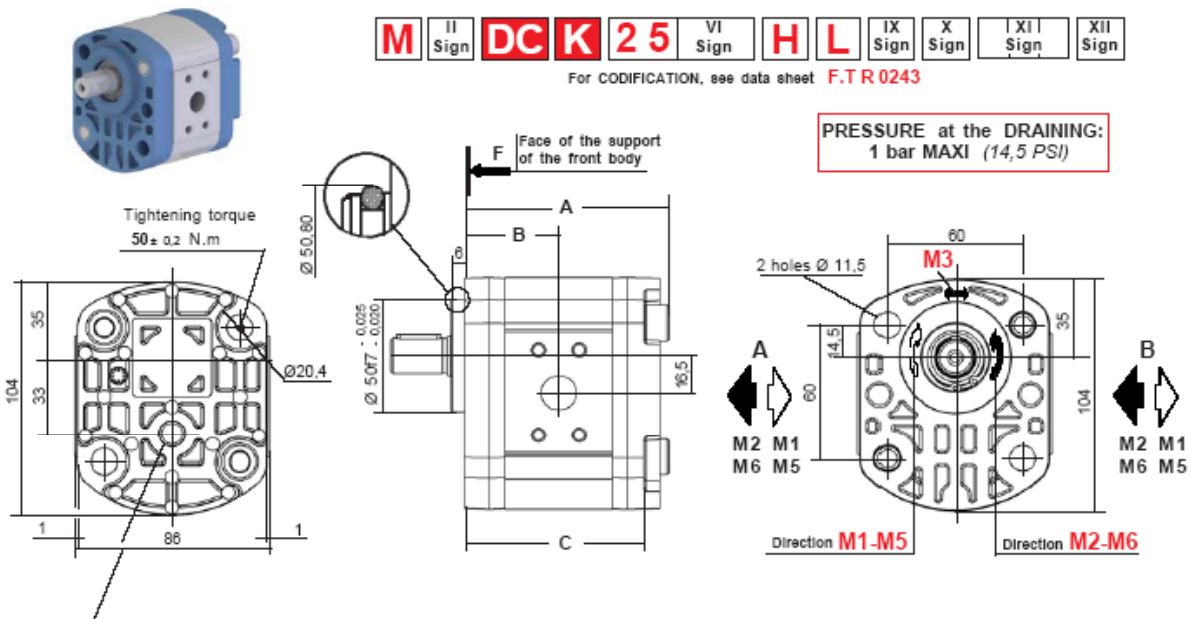
SERIES 2,5 TYPE DCN

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310</p> <p>Mounting with splined shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
<p></p> <p>Consult us for availability</p>		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



SERIES 2,5 TYPE DCK



**M** II Sign **DC K 25** VI Sign **H L** IX Sign X Sign | XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)

Tightening torque  
 50 ± 0.2 N.m

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
 35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

**Seals kits:**

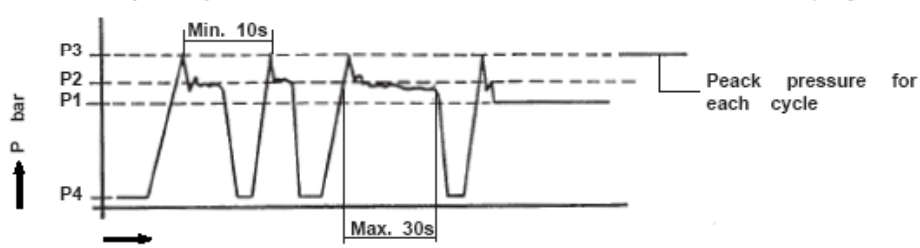
**M1 - M2**  
 Nitrile: K5069890 + K101513  
 Viton: K5069820 + K101326  
 (For manufacture to since January 1984)

**M3 - M5/M6**  
 Nitrile: K5073287 + K101513  
 Viton: K5071068 + K101326  
 (For manufacture to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	3500	2,7
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE DCK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION					
		INLET					OUTLET					1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure											
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE	M2 ENTREE SORTIE	M5 INLET	M6 OUTLET	M3 INLET	M3 OUTLET										
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A										
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A										
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
<b>Y</b> (ISO 6162)  ØF effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A										
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																									

Consult us for availability

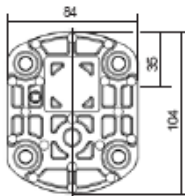


SERIES 2,5 TYPE DCK

REAR BODIES for MOTORS M1 - M2

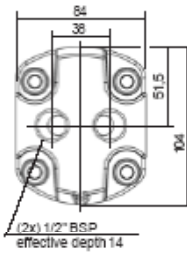
**L**

Standard



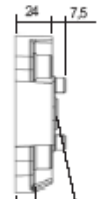
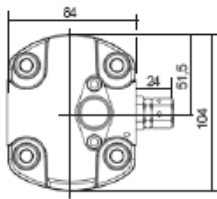
**A**

with ports



**X**

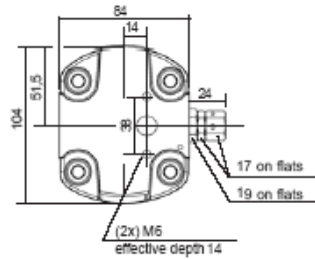
High pressure relief valve (Adjustable) Internal return



Blank port connector only internal return

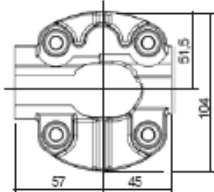
**T**

High pressure relief valve (Adjustable) External return



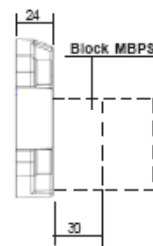
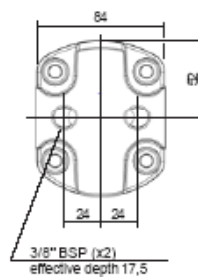
**Q**

Flow control Internal return



**AR**

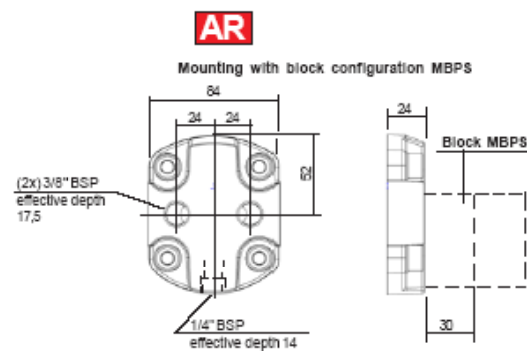
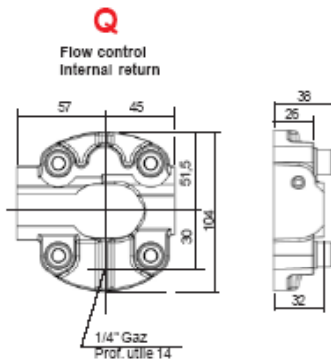
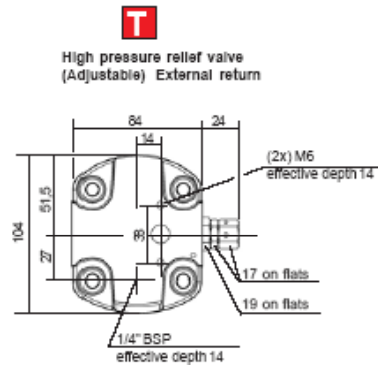
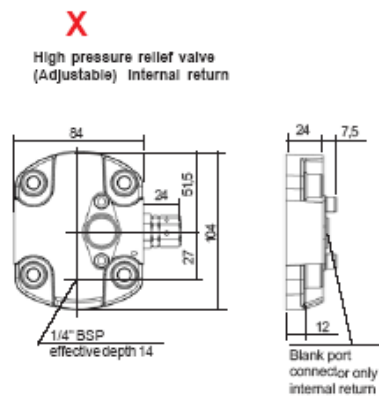
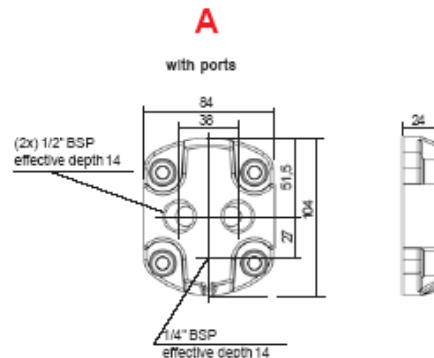
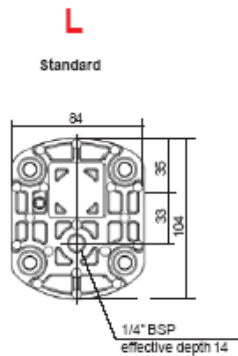
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2,5 TYPE DCK**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE DCK

DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splinned shaft <b>30 A01</b></p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
			<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>



Consult us for availability



SERIES 2,5 TYPE DUK

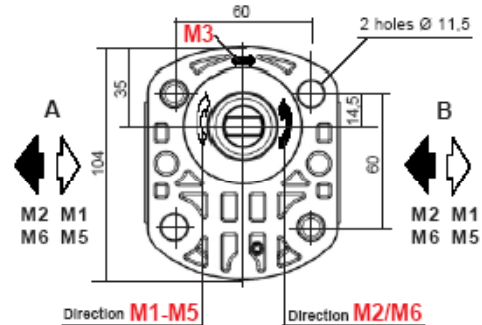
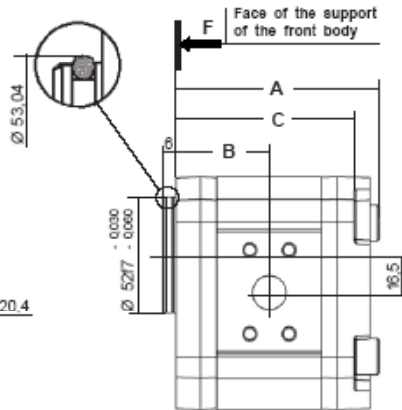
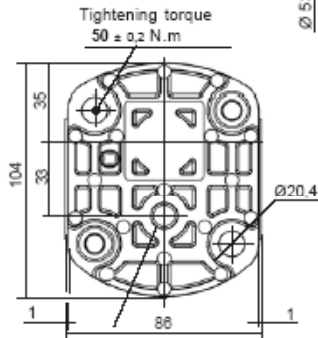


**M** II Sign **DUK 25** VI Sign **HL 40 D02** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

**ATTENTION:**  
Mounting without tightness seal



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

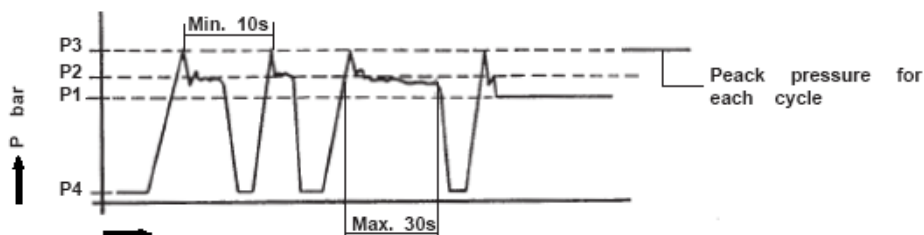
**Seals kits:**

**M1 - M2**  
Nitrile: K5063890 + K102539  
Viton: K5069820 + K107013  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5073287 + K102539  
Viton: K5071068 + K107013  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg	
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3	
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000	225 bar	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000	225 bar	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800	175 bar	3500	2,7	
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800	150 bar	3500	2,8	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE DUK**
**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION					
		INLET					OUTLET					INLET					OUTLET					1 way rotation without pressure		2 ways rotation with counter pressure			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE	M1 SORTIE	M2 ENTREE	M2 SORTIE	M5 INLET	M5 OUTLET	M6 INLET	M6 OUTLET	M3 INLET	M3 OUTLET						
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A										
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
<b>B</b> (Hallen)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A										
<b>U</b> (Threaded SAE J 475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
<b>Y</b> (ISO 6162)  ØF effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A										
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																									

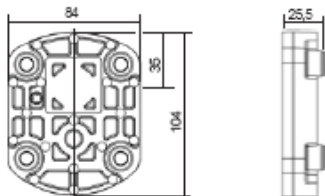
Consult us for availability

**SERIES 2,5 TYPE DUK**

**REAR BODIES for MOTORS M1 - M2**

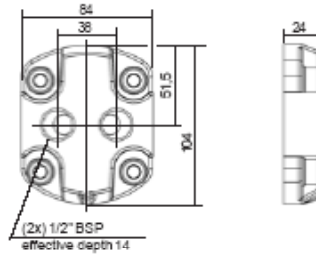
**L**

Standard



**A**

with ports



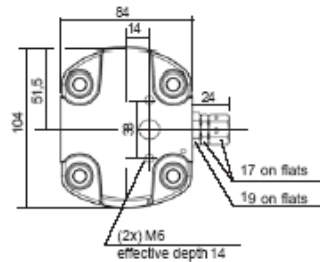
**X**

High pressure relief valve (Adjustable) Internal return



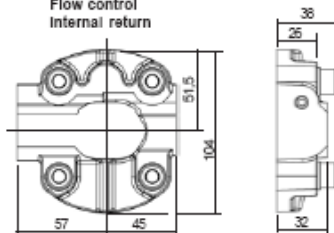
**T**

High pressure relief valve (Adjustable) External return



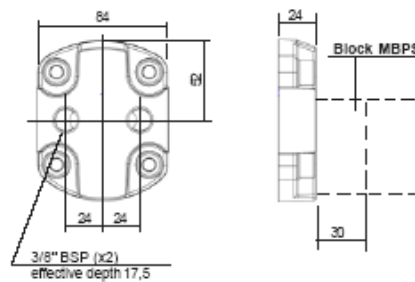
**Q**

Flow control Internal return



**AR**

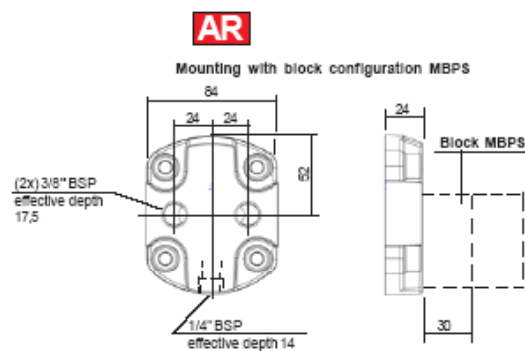
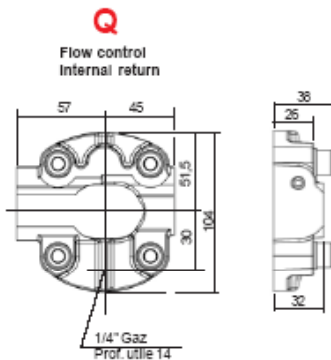
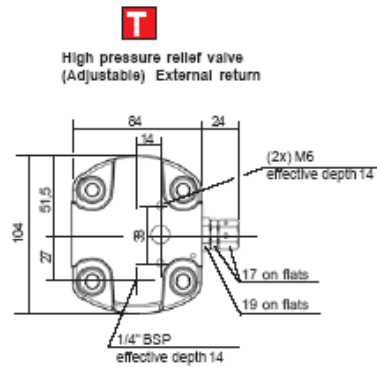
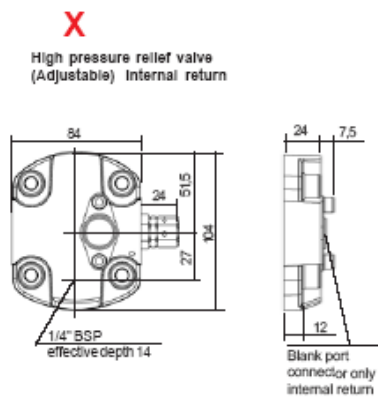
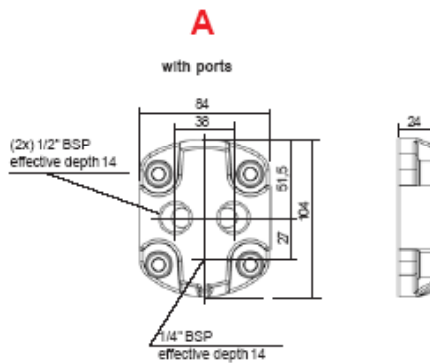
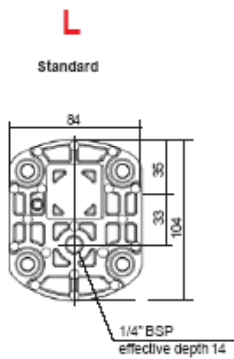
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2,5 TYPE DUK**

**REAR BODIES for MOTORS M3 - M5 - M6**

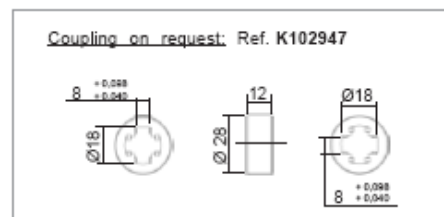
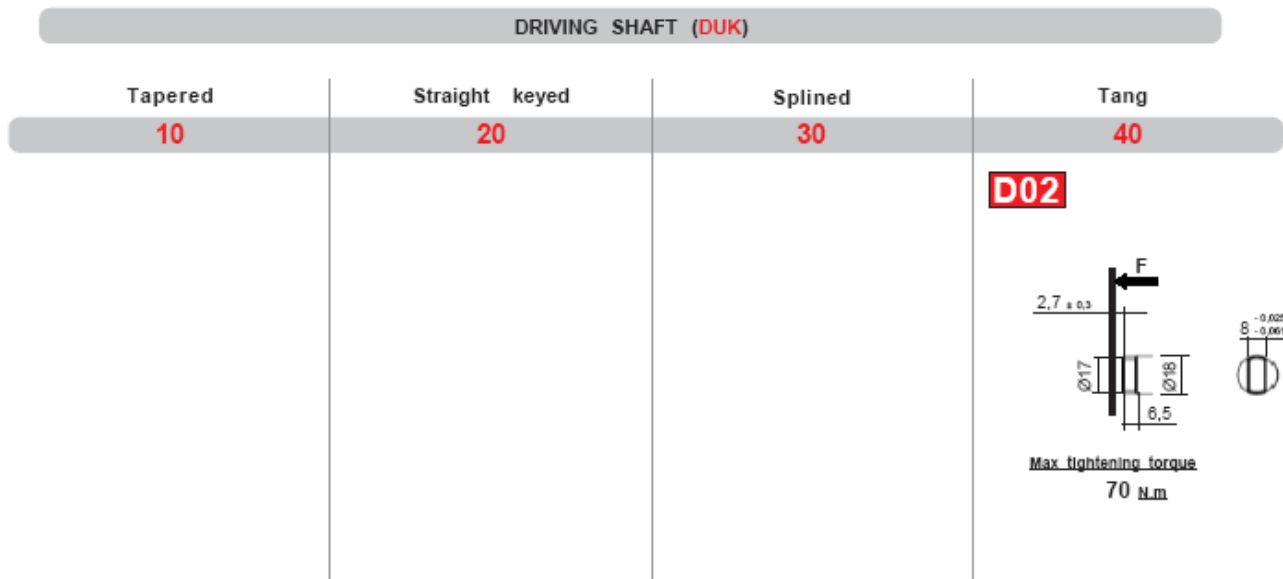


Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

**SERIES 2,5 TYPE DUK**

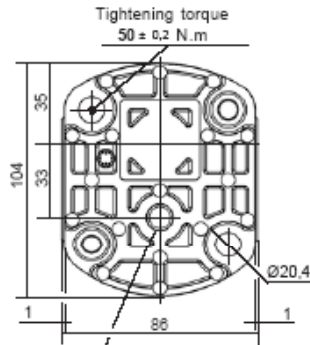


SERIES 2,5 TYPE DWN



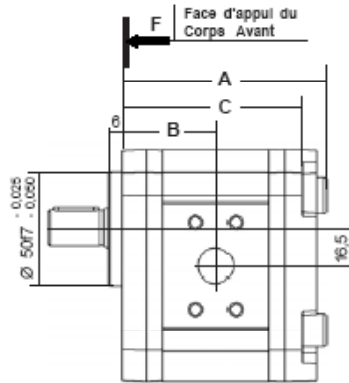
**M** II Sign **DW N 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

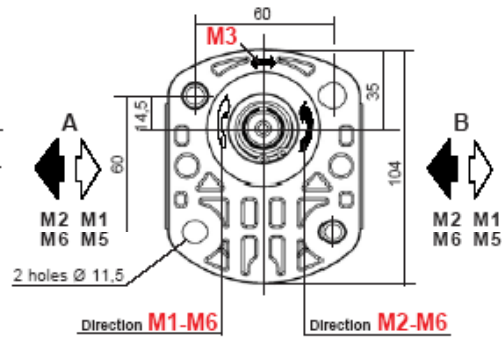


Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



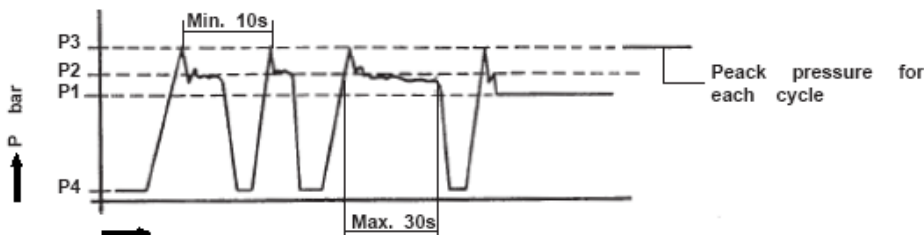
CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5063830  
 Viton: K5063820  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5073287  
 Viton: K5071068  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bsp</sup>	///	3500	2,7
2522	22,07	100	1450	125	1012	150	2175	3000	2000	500	800 <sup>150 bar</sup>	///	3500	2,0

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



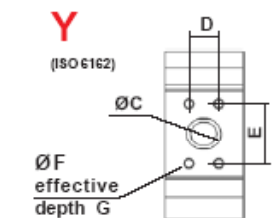
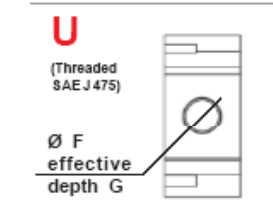
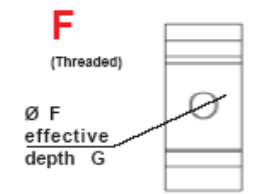
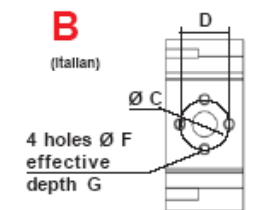
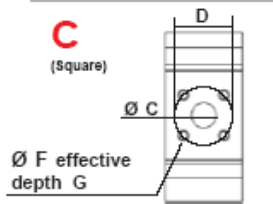
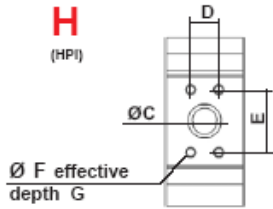
Consult us for availability



**SERIES 2,5 TYPE DWN**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET					AFFECTATION					
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
											M1	M2	M5	M6	M3	M3
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
2512 to 2522									1" BSP	18			B	A	B	A
2512									1" 5/16 12 UNF 2B	20			B	A	B	A
2515 to 2522									1" 5/16 12 UNF 2B	20			1" 1/16 12 UNF 2B			
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
2512 to 2522	Only with rear body Type A															



Consult us for availability

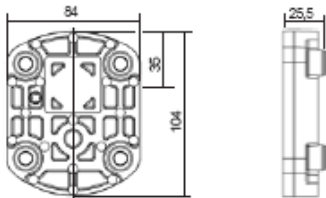


**SERIES 2,5 TYPE DWN**

**REAR BODIES for MOTORS M1 - M2**

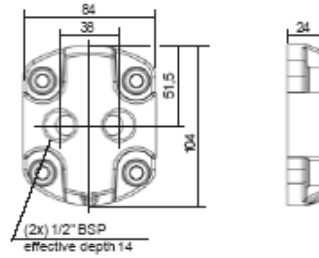
**L**

Standard



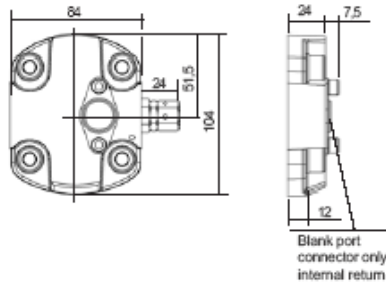
**A**

with ports



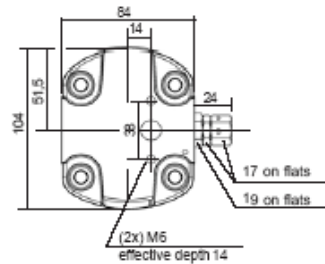
**X**

High pressure relief valve (Adjustable) Internal return



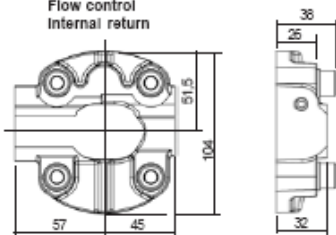
**T**

High pressure relief valve (Adjustable) External return



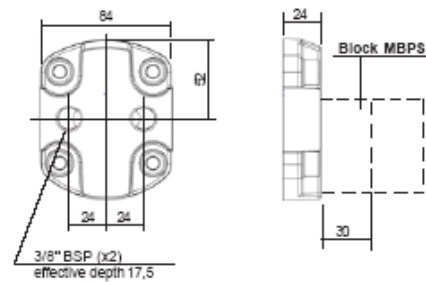
**Q**

Flow control Internal return



**AR**

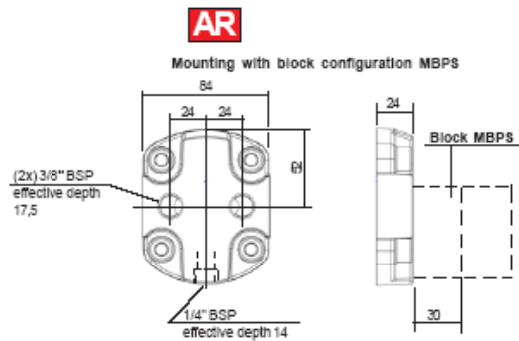
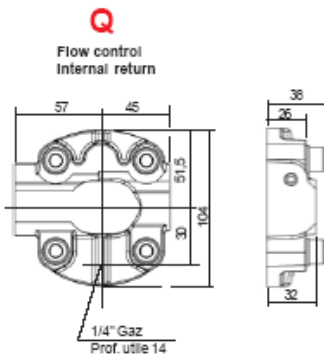
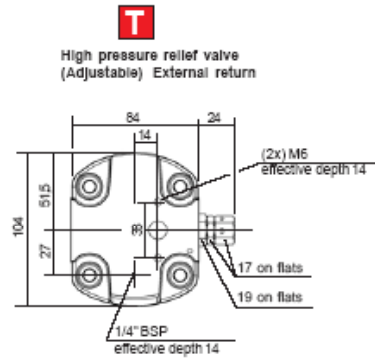
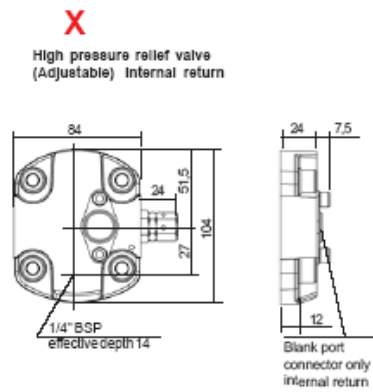
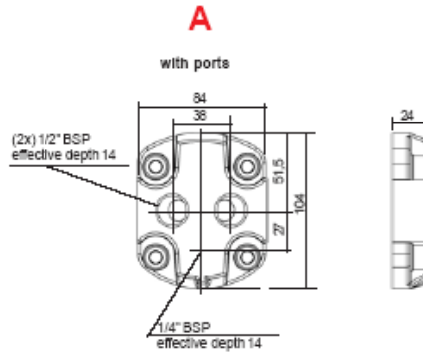
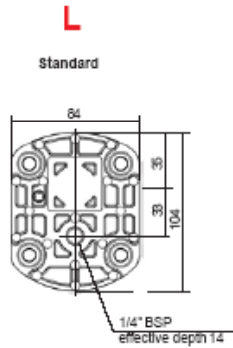
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE DWN

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE DWN

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B02</b> Cône 1/8</p> <p>Delivered with nut: K100841</p> <p><u>Maxi transmissible torque</u> <b>250 N.m</b></p>	<p><b>A01</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>A01</b></p> <p>Involute spline SAE Standard 9 teeth - Pitch 16/32 - Flat root 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p> <p>Sleeve coupling 9 teeth / 13 teeth Ref.: K.5041310 Mounting with splined shaft 30 A01</p> <p>Involute spline SAE standard 9 teeth - SAE "A" Pitch 16/32 30° Pressure angle</p> <p>Involute spline SAE Standard 13 teeth - SAE "B" Pitch 16/32 30° Pressure angle</p>	<p><b>C03</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>C02</b> Cône 1/5</p> <p>Delivered with nut: K106317</p> <p><u>Maxi transmissible torque</u> <b>220 N.m</b></p>	<p><b>C02</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>	<p><b>C02</b></p> <p>Involute spline shaft 17x15x1 Standard NF E 22 141 - BNA 455 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
	<p><b>A08</b></p> <p><u>Maxi transmissible torque</u> <b>50 N.m</b></p>		
		<p><b>D01</b></p> <p>Involute spline shaft B 17 x 14 9 teeth - Standard DIN 5482 - Module 1,6 Spigot on free flanks</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>	
			<p><b>A17</b></p> <p>Involute spline SAE Standard 12 teeth - Pitch 16/32 - Flat root 20° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>100 N.m</b></p>

Consult us for availability



SERIES 2,5 TYPE DZK

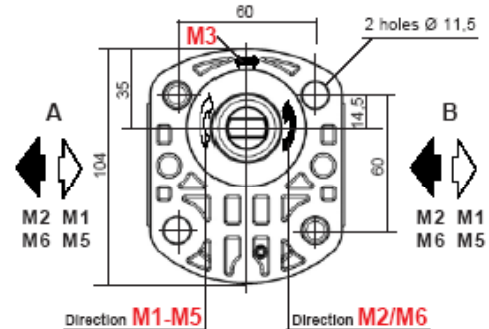
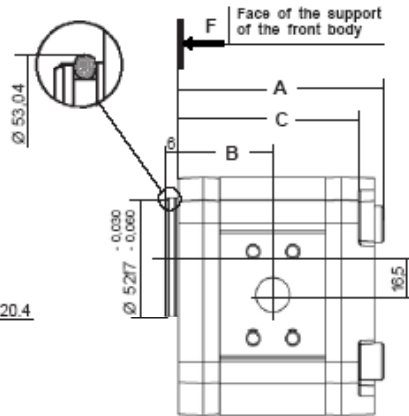
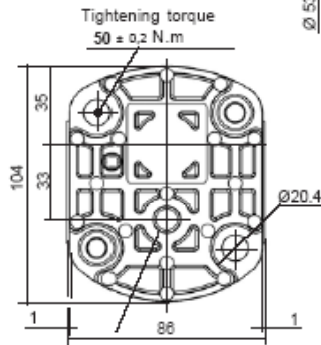


**M** II Sign **DZ** **K** **25** VI Sign **H** **L** **4** **0** **D02** XII Sign

For CODIFICATION, see data sheet F.T R 0243

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

**ATTENTION:**  
Mounting without tightness seal



Drain port 1/4" DGP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m

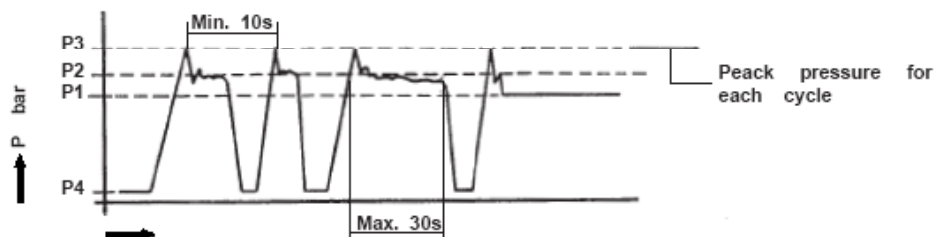
CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069890 + K102539  
Viton: K5069820 + K107013  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5073287 + K102539  
Viton: K5071068 + K107013  
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	///	3500	2,7
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peack pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



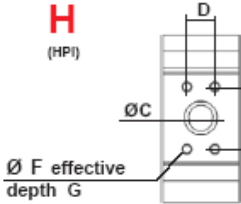
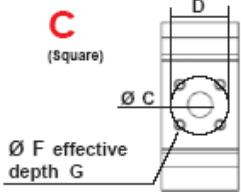
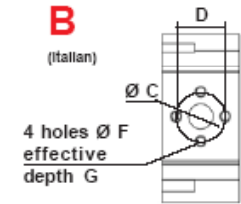
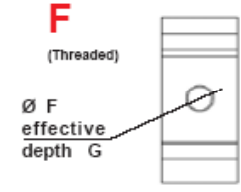
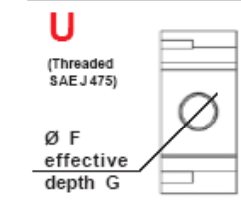
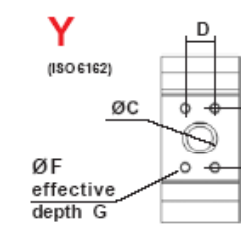


Consult us for availability



**SERIES 2,5 TYPE DZK**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION												
		INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M3	M4	M5	M6	M1	M2	M3	M4	M5	M6	M1	M2	M3	M4	M5	M6					
		ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE					
<b>H</b> (HPI)  <p>Ø F effective depth G</p>	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12																A	B	B	A	B	A		
<b>C</b> (Square)  <p>Ø F effective depth G</p>	2512 to 2522	20	40		M6	12	15	35		M6	12																A	B	B	A	B	A		
<b>B</b> (Italian)  <p>4 holes Ø F effective depth G</p>	2512 to 2522	20	40		M6	13	15	30		M6	13																A	B	B	A	B	A		
<b>F</b> (Threaded)  <p>Ø F effective depth G</p>	2512 to 2522				1" BSP	18				1/2" BSP	14																A	B	B	A	B	A		
<b>U</b> (Threaded SAE J475)  <p>Ø F effective depth G</p>	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17																A	B	B	A	B	A		
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																	A	B	B	A	B	A	
<b>Y</b> (ISO 6162)  <p>Ø F effective depth G</p>	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14																A	B	B	A	B	A		
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																		A	B	B	A	B	A
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																				 Consult us for availability												



Consult us for availability

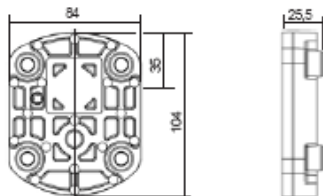


SERIES 2,5 TYPE DZK

REAR BODIES for MOTORS M1 - M2

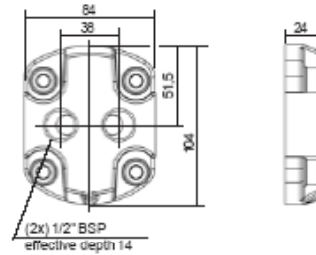
**L**

Standard



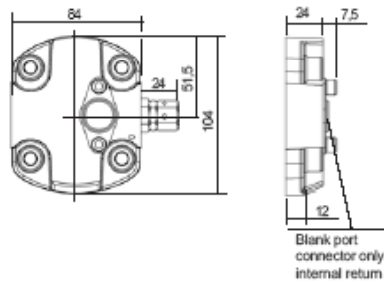
**A**

with ports



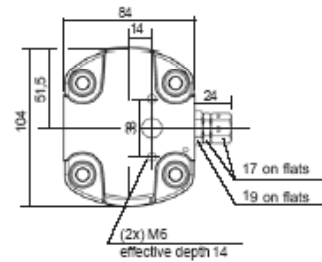
**X**

High pressure relief valve (Adjustable) Internal return



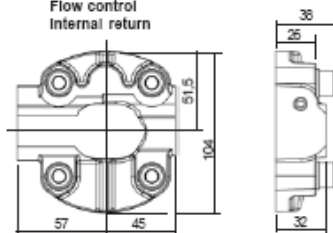
**T**

High pressure relief valve (Adjustable) External return



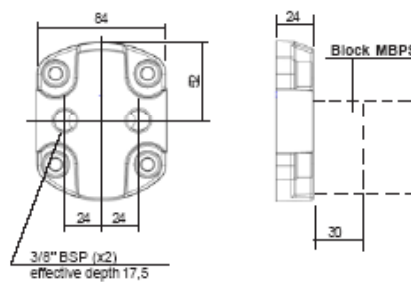
**Q**

Flow control Internal return



**AR**

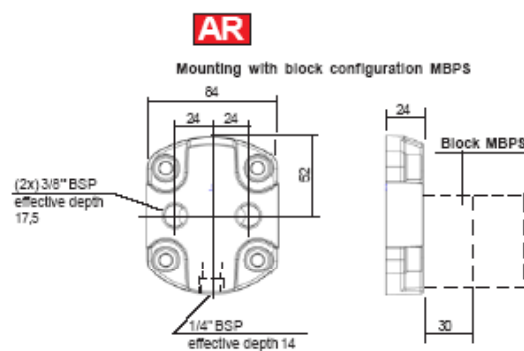
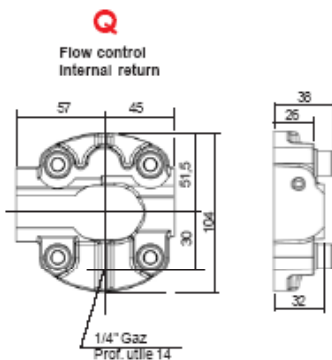
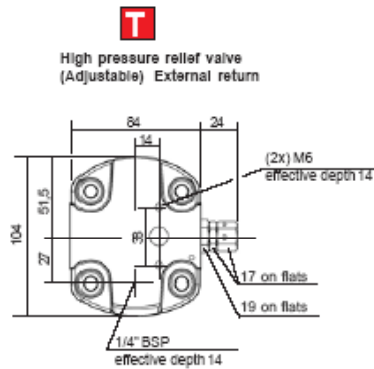
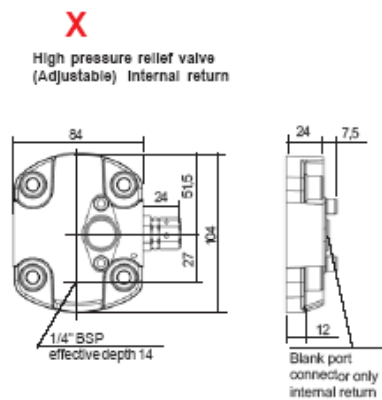
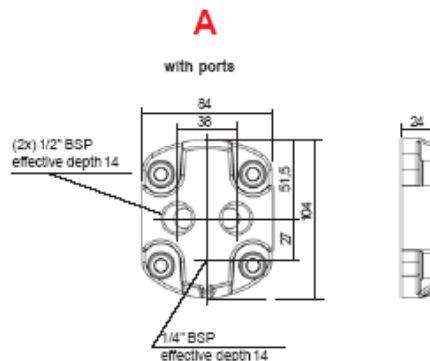
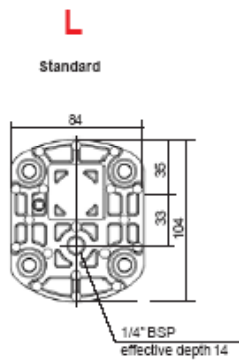
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE DZK

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

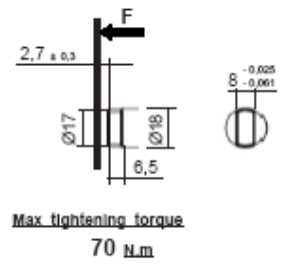
Consult us for availability

SERIES 2,5 TYPE DZK

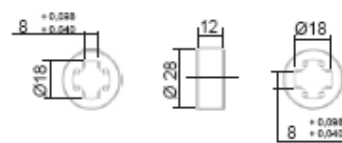
DRIVING SHAFT (DUK)

Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>

**D02**



Coupling on request: Ref. K102947



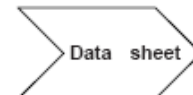


MOTORS PRESENTATION  
**SERIES 2 and 2,5**

F.T 20 1433

- THICK FRONT BODIES

MOTOR **AAP**



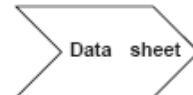
F.T 25 1471

MOTOR **AAR**



F.T 25 1472

MOTOR **ARP**



F.T 25 1473

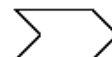
MOTOR **ARK**

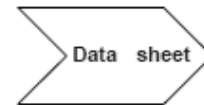


F.T 25 1474



Consult us for availability



**- THICK FRONT BODIES (rest)****MOTOR AVP****F.T 25 1475****MOTOR DBP****F.T 25 1476****MOTOR DBR****F.T 25 1477**

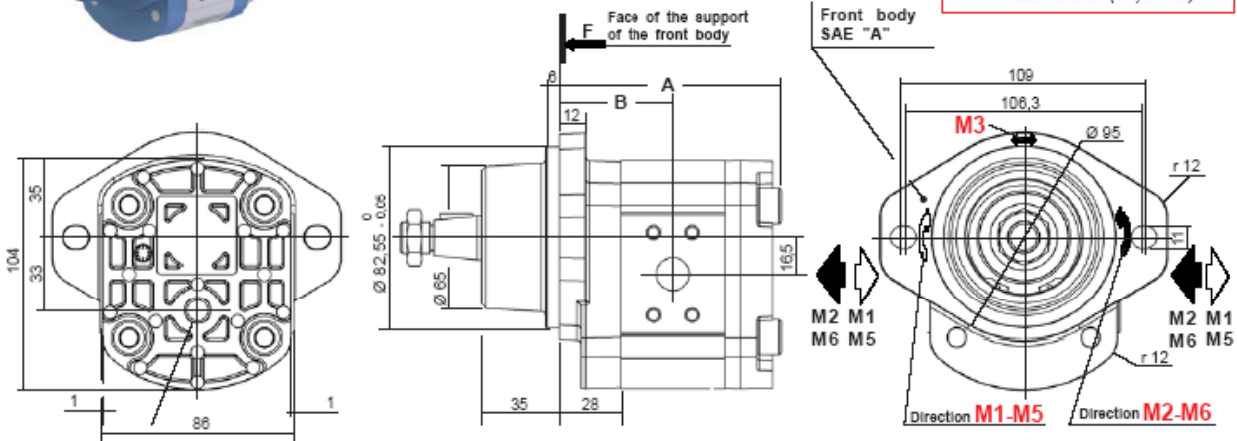
SERIES 2,5 TYPE AAP



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

For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

CHOICE of the Capacity

	Dimensions	
	A	B
12	115	58
15 - 17 - 18 - 22	131	67

Seals kits:

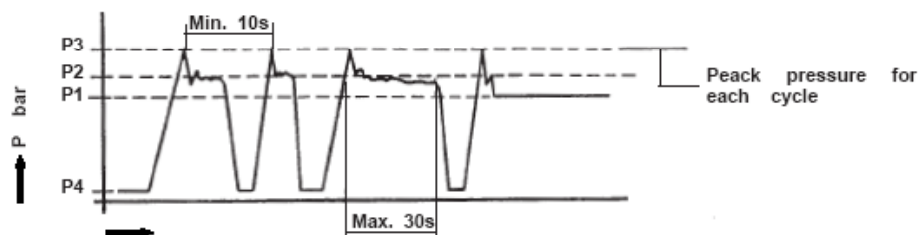
**M1 - M2**  
Nitrile: K5069870 + K5069830  
Viton: K5069880 + K5069840  
(For manufacturer to since January 1984)

**M3 - M5/M6**  
Nitrile: K5071067 + K5071069  
Viton: K5071068 + K5071070  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,1
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,2
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	///	3500	3,3
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE AAP**
**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

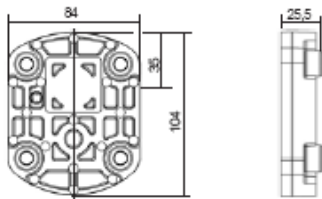
	Capacity	INLET										OUTLET										AFFECTATION							
		INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M5	M6	M3	M1	M2	M5	M6	M3	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	OUTLET		
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
<b>B</b> (tallan)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
<b>U</b> (Threaded SAE J 475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																		
<b>Y</b> (ISO 6162)  Ø F effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	A	B	B	A	B	A	A	B	B	A	B	A
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																		
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																											

**SERIES 2,5 TYPE AAP**

**REAR BODIES for MOTORS M1 - M2**

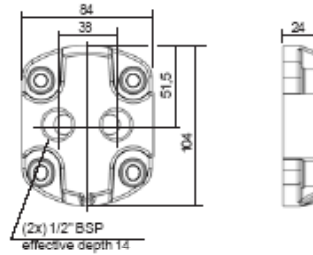
**L**

Standard



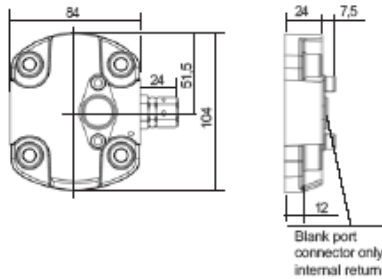
**A**

with ports



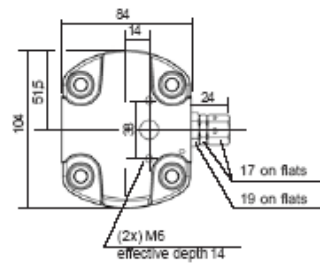
**X**

High pressure relief valve (Adjustable) Internal return



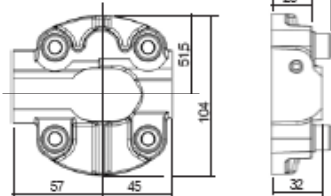
**T**

High pressure relief valve (Adjustable) External return



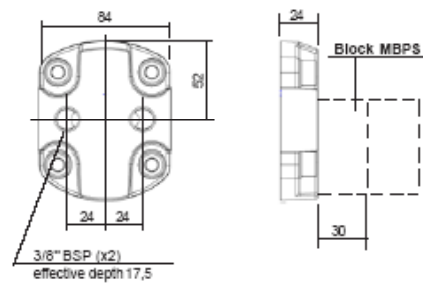
**Q**

Flow control Internal return



**AR**

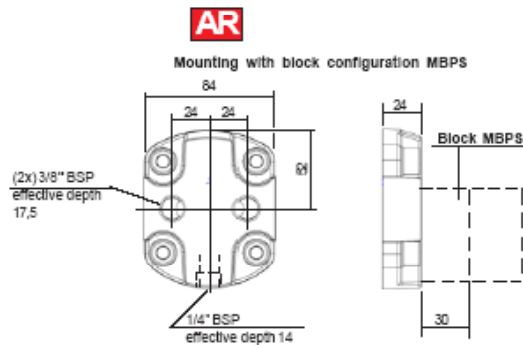
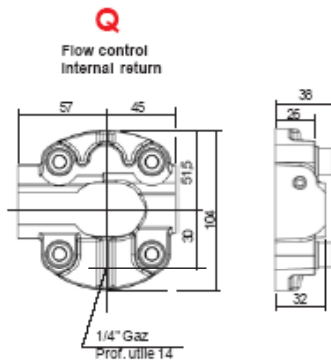
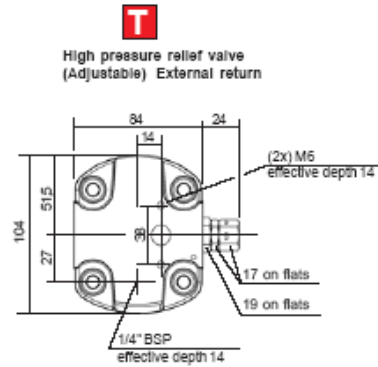
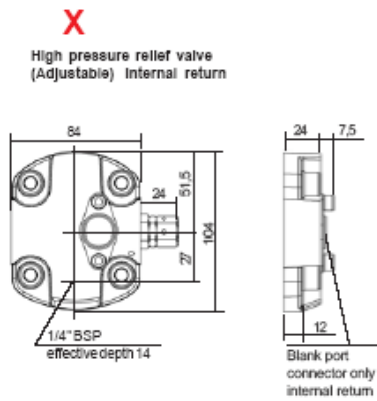
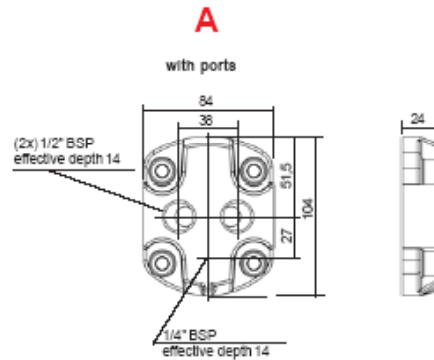
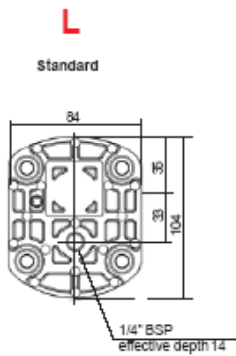
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE AAP

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE AAP

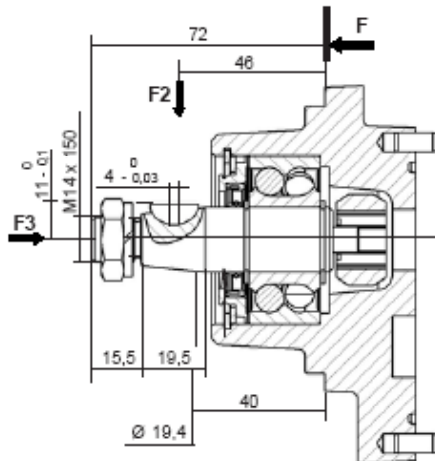
DRIVING SHAFTS

Tapered

10

**C03**

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

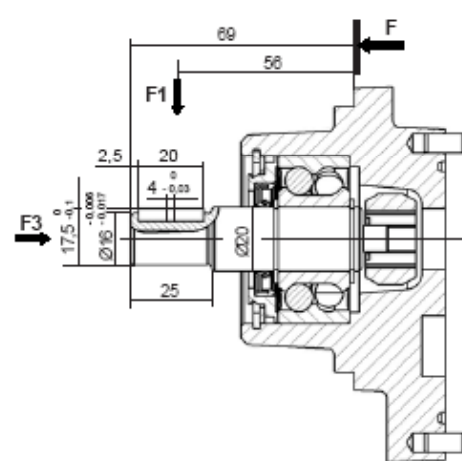
Maxi transmissible torque

70 N.m

Straight keyed

20

**C03**



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

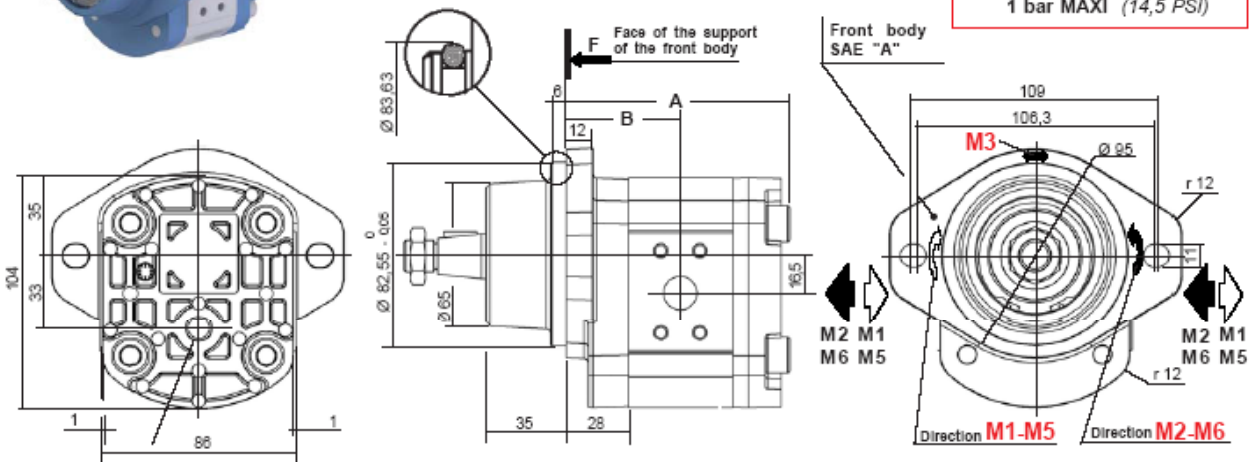
50 N.m

SERIES 2,5 TYPE AAR



**M** II Sign **AA R 25** VI Sign **H L** IX Sign X Sign I XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
 35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	115	58
15 - 17 - 18 - 22	131	67

**Seals kits:**

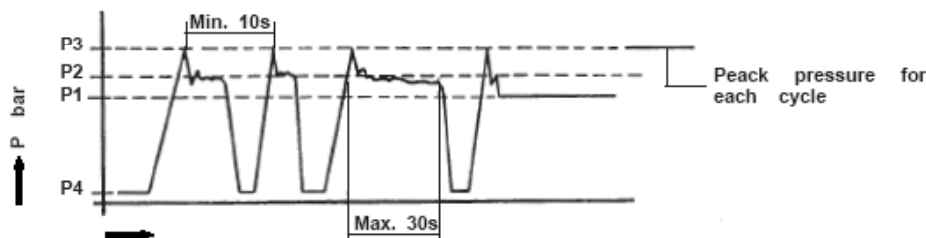
**M1 - M2**  
 Nitrile: K5069870 + K5069830 + K102901  
 Viton: K5069880 + K5069840 + K104093  
 (For manufacturer to since January 1984)

**M3 - M5/M6**  
 Nitrile: K5071067 + K5071069 + K102902  
 Viton: K5071068 + K5071070 + K104093  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,1
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,2
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	/	3500	3,3
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	/	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



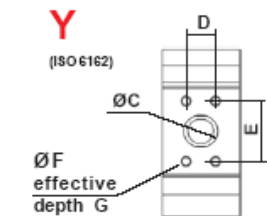
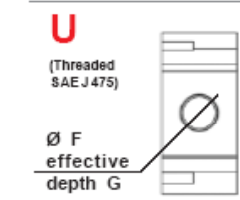
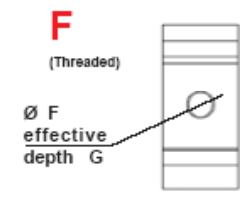
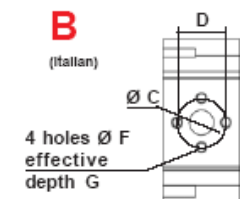
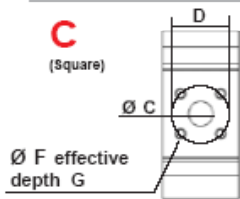
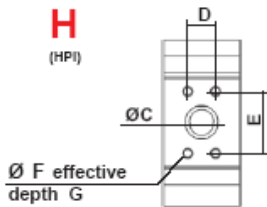
Consult us for availability



**SERIES 2,5 TYPE AAR**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6
2512 to 2522	20	40		M6	12	15	35		M6	12
2512 to 2522	20	40		M6	13	15	30		M6	13
2512 to 2522				1" BSP	18				1/2" BSP	14
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14
2512 to 2522	Only with rear body Type A									

AFFECTATION					
1 way rotation without counter pressure		2 ways rotation with counter pressure			
M1	M2	M3			
ENTREE SORTIE	ENTREE SORTIE				
1 way rotation with counter pressure					
M5	M6				
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A
A	B	B	A	B	A

Consult us for availability

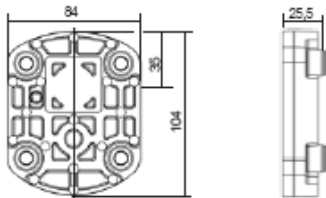


**SERIES 2,5 TYPE AAR**

REAR BODIES for MOTORS M1 - M2

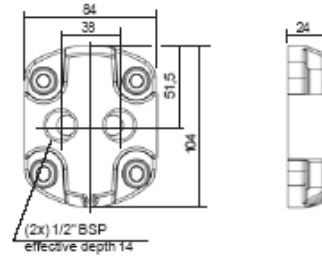
**L**

Standard



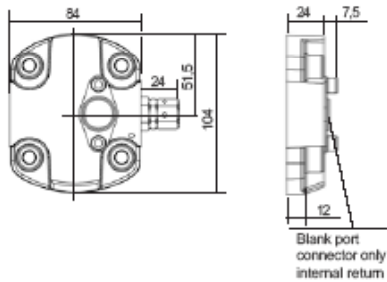
**A**

with ports



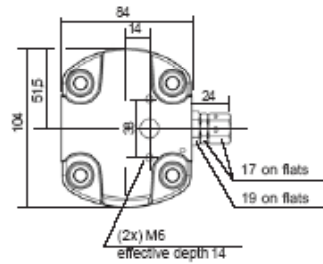
**X**

High pressure relief valve (Adjustable) Internal return



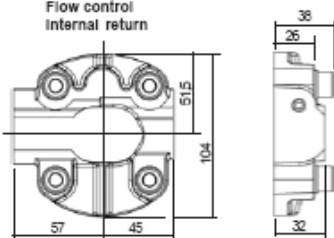
**T**

High pressure relief valve (Adjustable) External return



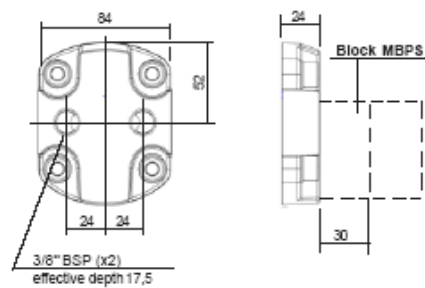
**Q**

Flow control Internal return



**AR**

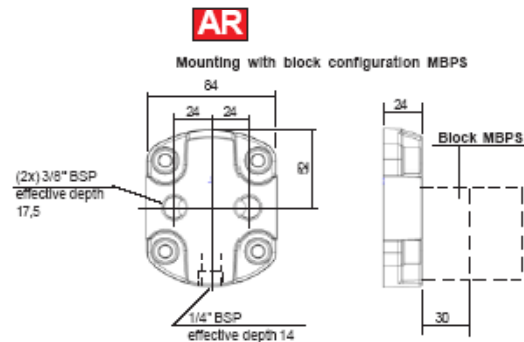
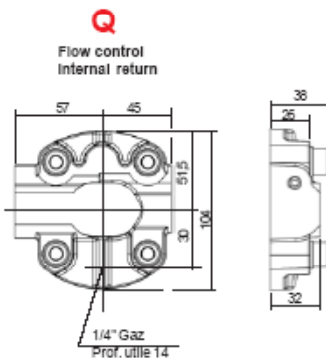
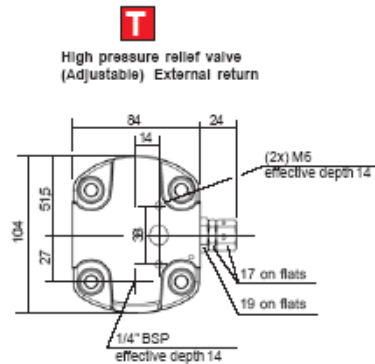
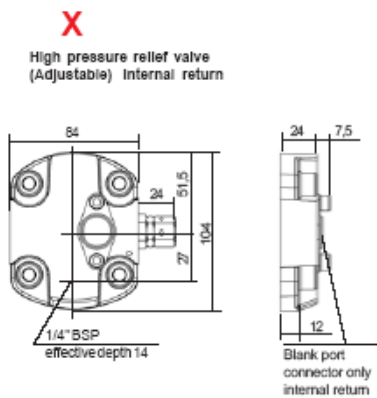
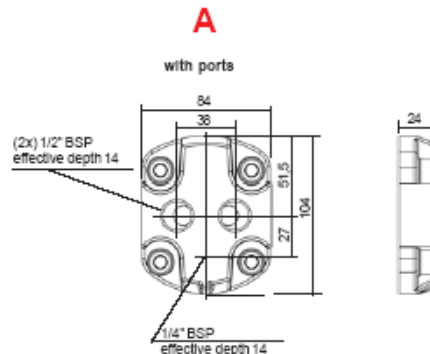
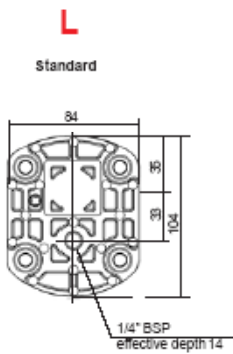
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE AAR

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE AAR

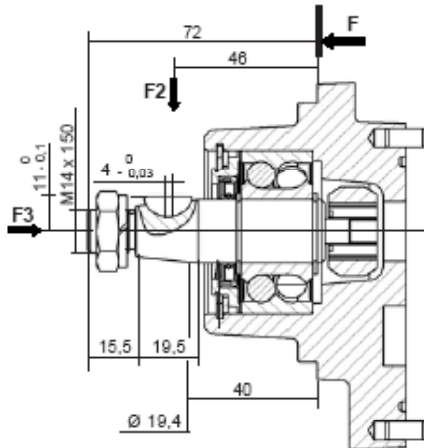
DRIVING SHAFTS

Tapered

10

**C03**

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

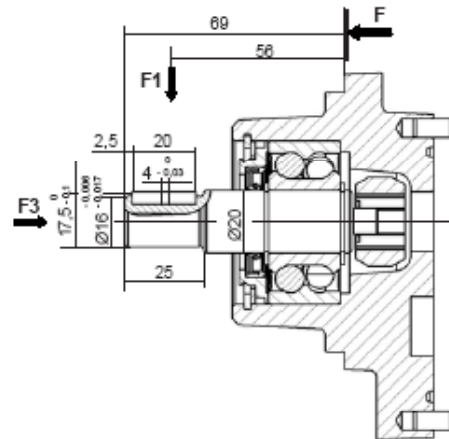
F3 Maxi: 50 daN

Maxi transmissible torque  
70 N.m

Straight keyed

20

**C03**



F1 Maxi: 100 daN

F3 Maxi: 50 daN

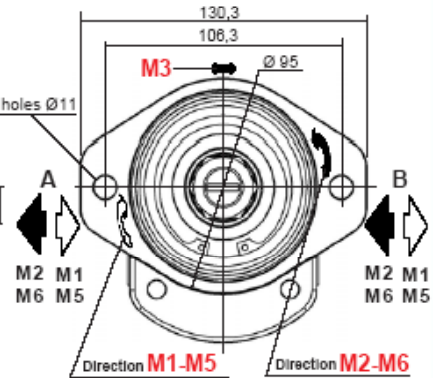
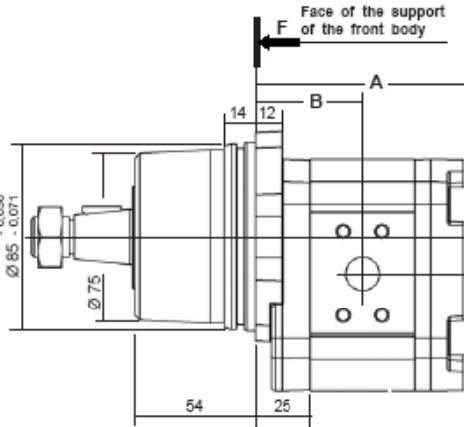
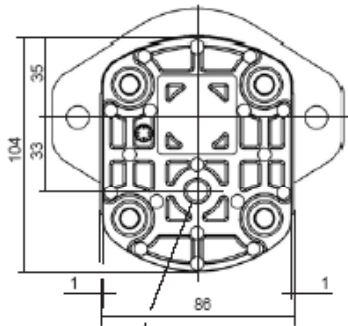
Maxi transmissible torque  
50 N.m

SERIES 2,5 TYPE ARP

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

For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
35 N.m

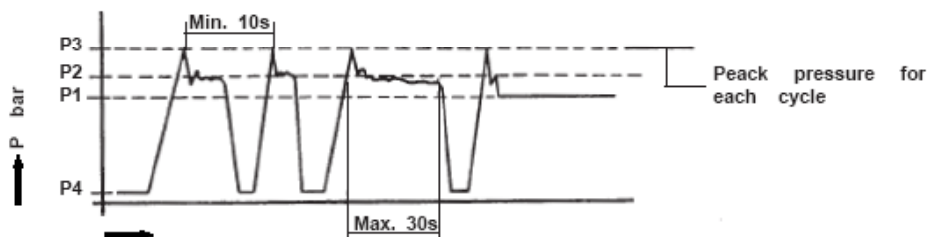
CHOICE of the Capacity	Dimensions	
	A	B
12	112	56
15 - 17 - 18 - 22	128	64

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069830 + K5069870  
Viton: K5069840 + K5069880  
(For manufacture to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071069 + K5069870  
Viton: K5071070 + K5069880  
(For manufacture to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at			mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8	
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>Bar</sub>	3500	3,1	
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>Bar</sub>	3500	3,2	
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>Bar</sub>	/	3500	3,3	
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>Bar</sub>	/	3500	3,4	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



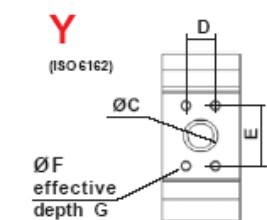
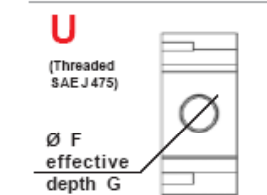
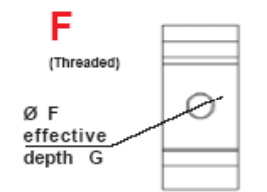
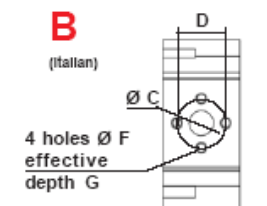
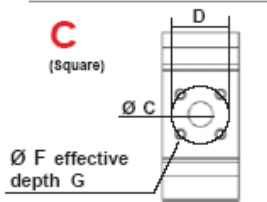
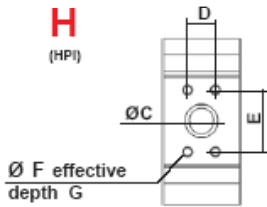
Consult us for availability



**SERIES 2,5 TYPE ARP**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70



Capacity	INLET										OUTLET										AFFECTATION					
	INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE		M2 ENTREE SORTIE		M5 ENTREE SORTIE		M6 ENTREE SORTIE		M3							
											INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A	B	A	B	A						
2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A	B	A	B	A						
2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A	B	A	B	A						
2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A	B	A	B	A						
2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A	B	A	B	A						
2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A	B	A	B	A						
2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
2512 to 2522	Only with rear body Type A																									



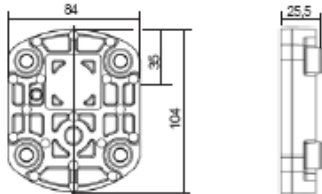
PUBLISHING 02 / 2012

**SERIES 2,5 TYPE ARP**

**REAR BODIES for MOTORS M1 - M2**

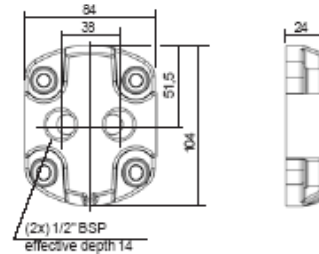
**L**

Standard



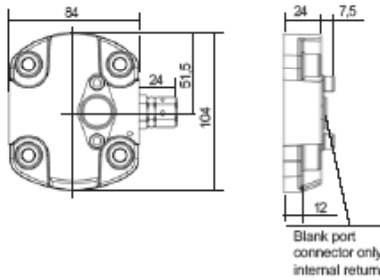
**A**

with ports



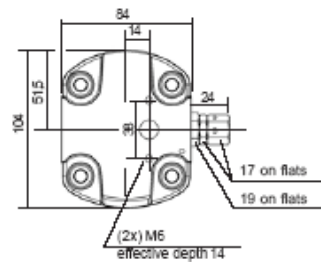
**X**

High pressure relief valve (Adjustable) internal return



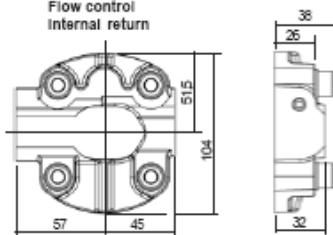
**T**

High pressure relief valve (Adjustable) External return



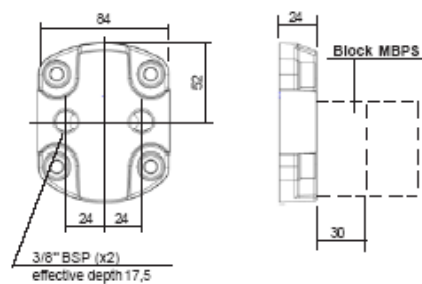
**Q**

Flow control internal return



**AR**

Mounting with block configuration MBPS



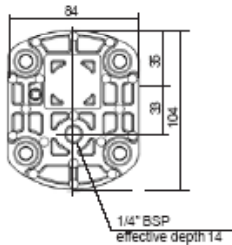
Consult us for availability

**SERIES 2,5 TYPE ARP**

**REAR BODIES for MOTORS M3 - M5 - M6**

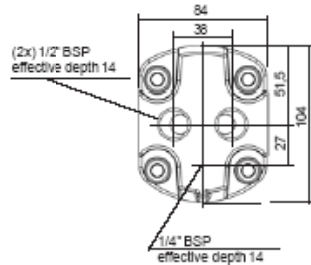
**L**

Standard



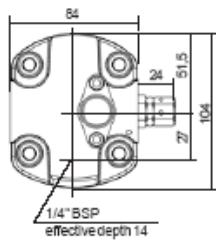
**A**

with ports



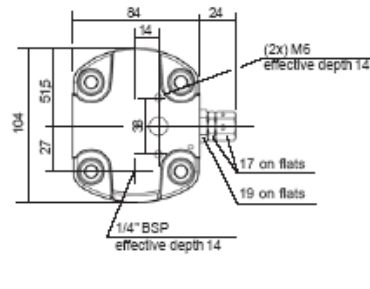
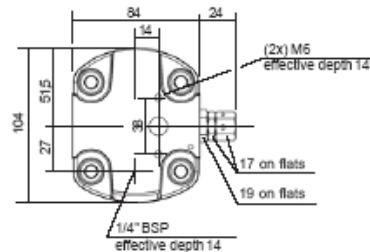
**X**

High pressure relief valve (Adjustable) Internal return



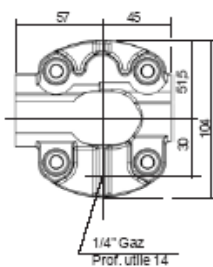
**T**

High pressure relief valve (Adjustable) External return



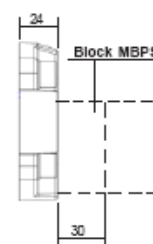
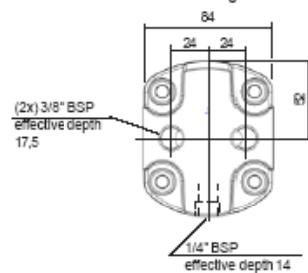
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE ARP

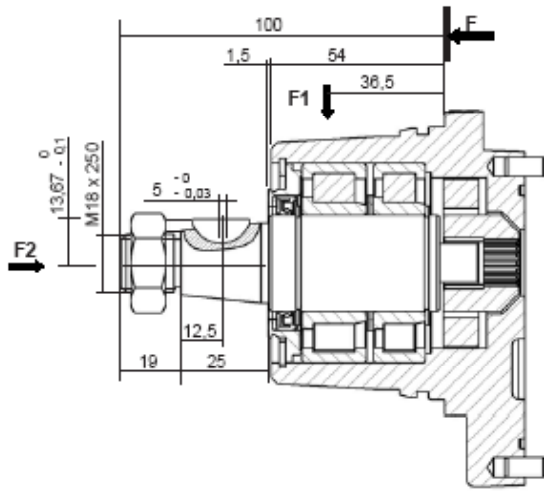
DRIVING SHAFTS

Tapered

10

C05

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

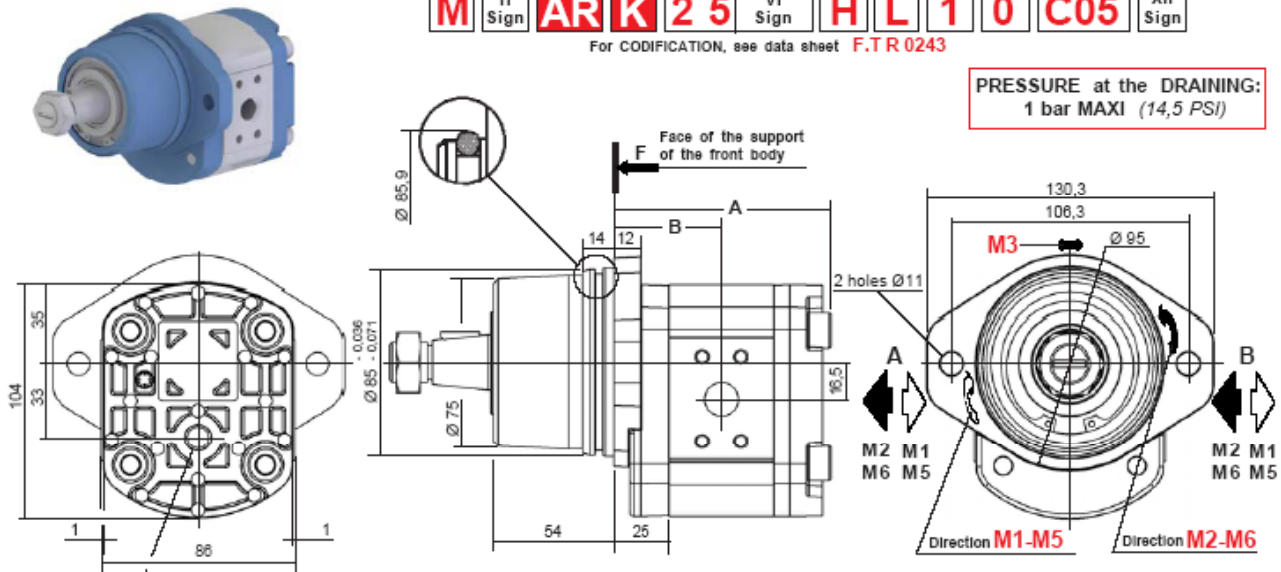
70 N.m

SERIES 2,5 TYPE ARK

**M** II Sign **ARK** 25 VI Sign **HL** 10 **C05** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **35 N.m**

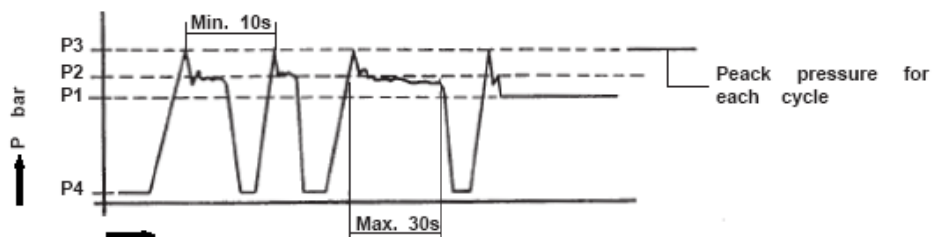
CHOICE of the Capacity	Dimensions	
	A	B
12	112	56
15 - 17 - 18 - 22	128	64

**Seals kits:**  
**M1 - M2**  
Nitrile: K5069830 + K5069870 + K106139  
Viton: K5069840 + K5069880 + K106139  
(For manufacturer to since January 1984)  
**M3 - M5/M6**  
Nitrile: K5071069 + K5069870 + K106139  
Viton: K5071070 + K5069880 + K106139  
(For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	3,1
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	3,2
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>bar</sub>	///	3500	3,3
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>bar</sub>	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE ARK**

## CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET					AFFECTATION					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
												M1 ENTREE	M2 SORTIE	M5 INLET	M6 OUTLET	M3	
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
<b>Y</b> (ISO 6162)  ØF effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A															

Consult us for availability

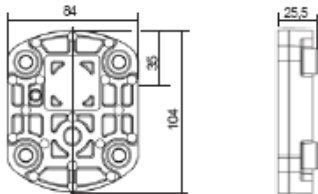
**JTEKT**

**SERIES 2,5 TYPE ARK**

**REAR BODIES for MOTORS M1 - M2**

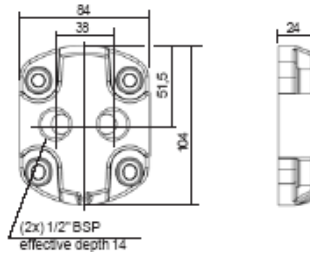
**L**

Standard



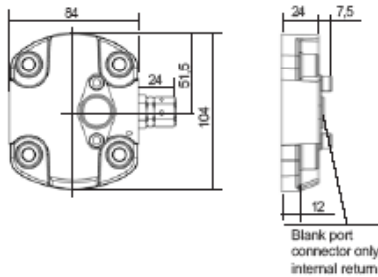
**A**

with ports



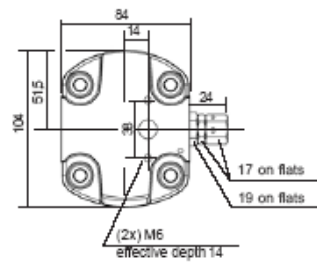
**X**

High pressure relief valve (Adjustable) internal return



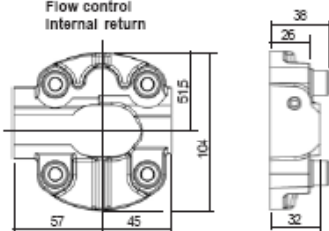
**T**

High pressure relief valve (Adjustable) External return



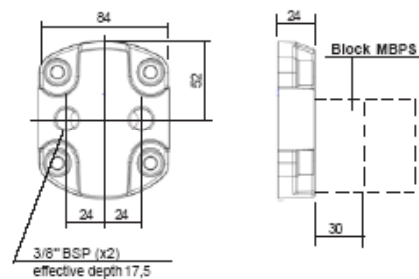
**Q**

Flow control internal return



**AR**

Mounting with block configuration MBPS



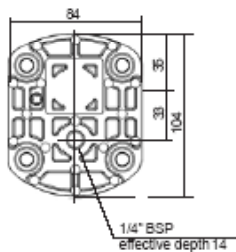
Consult us for availability



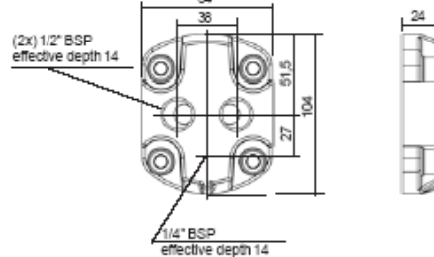
**SERIES 2,5 TYPE ARK**

**REAR BODIES for MOTORS M3 - M5 - M6**

**L**  
Standard

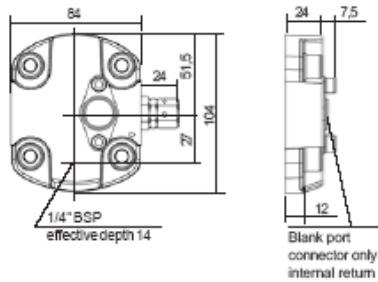


**A**  
with ports



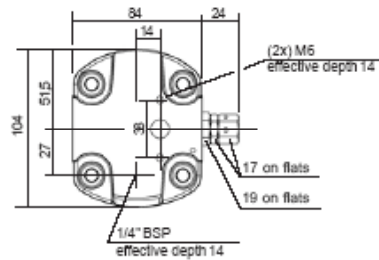
**X**

High pressure relief valve (Adjustable) Internal return



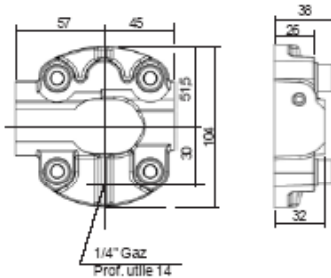
**T**

High pressure relief valve (Adjustable) External return



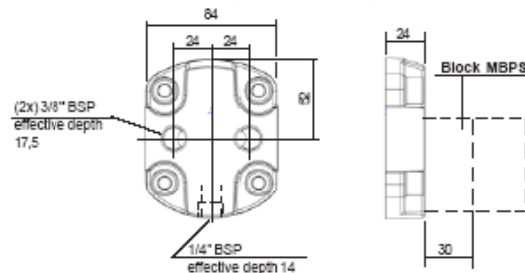
**Q**

Flow control Internal return



**AR**

Mounting with block configuration MBPS



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

SERIES 2,5 TYPE ARK

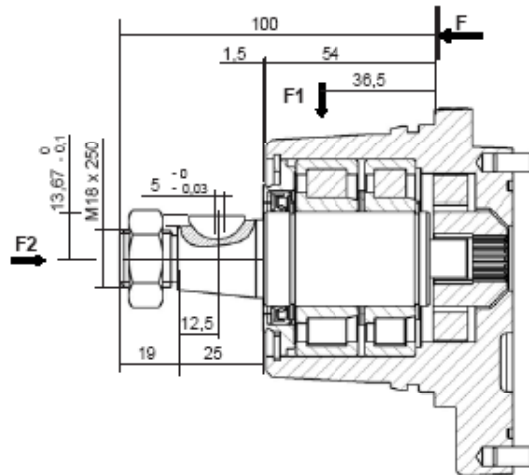
DRIVING SHAFTS

Tapered

10

**C05**

Taper 1/5



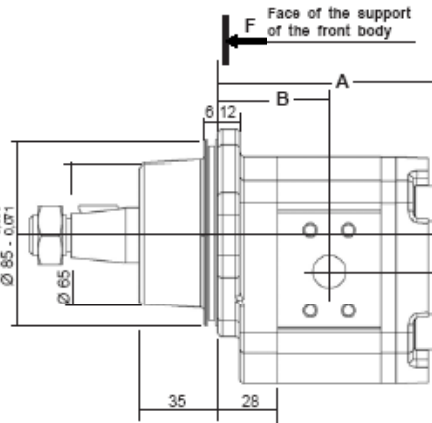
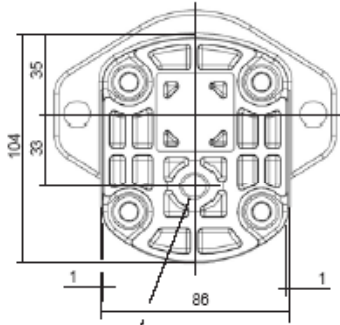
Delivered with nut: K106295

F1 Maxi: 350 daN  
F2 Maxi: 50 daN

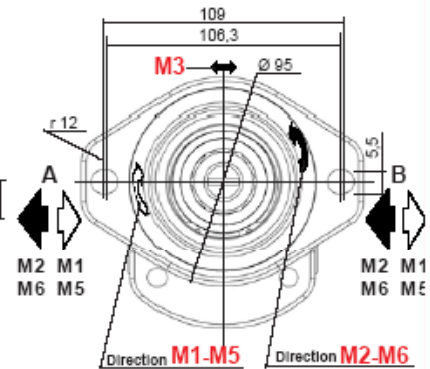
Maxi transmissible torque  
**70 N.m**

SERIES 2,5 TYPE AVP

**M** II Sign **AV** **P** **25** VI Sign **HL** **10** **C06** XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

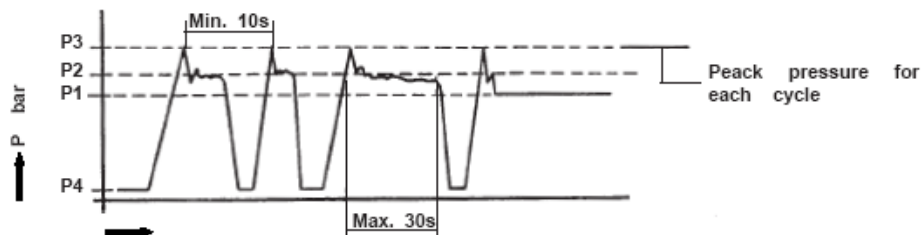
CHOICE of the Capacity	Dimensions	
	A	B
<b>12</b>	115	58
<b>15 - 17 - 18 - 22</b>	131	67

**Seals kits:**  
**M1 - M2**  
 Nitrile: K102672 + K5069830  
 Viton: K106190 + K5069840  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K102672 + K5071069  
 Viton: K106190 + K5071070  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	3,1
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> / <sub>bar</sub>	3500	3,2
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> / <sub>bar</sub>	///	3500	3,3
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> / <sub>bar</sub>	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE AVP**

CHOICE of the IMPLANTATIONS of PORTS		Port connector, see our Catalogue N° 70										AFFECTATION													
		Capacity					INLET					OUTLET					1 way rotation without counter pressure <b>M1</b> ENTREE SORTIE		2 ways rotation with counter pressure <b>M2</b> ENTREE SORTIE		1 way rotation with counter pressure <b>M5</b>		2 ways rotation with counter pressure <b>M3</b>		
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
<b>H</b> (HPI)		26	47,6	22,4	M6	12	15	17,4	38	M6	12						A	B	B	A	B	A			
<b>C</b> (Square)		20	40		M6	12	15	35		M6	12						A	B	B	A	B	A			
<b>B</b> (Italian)		20	40		M6	13	15	30		M6	13						A	B	B	A	B	A			
<b>F</b> (Threaded)					1" BSP	18				1/2" BSP	14						A	B	B	A	B	A			
<b>U</b> (Threaded SAE J475)		2512			1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17						A	B	B	A	B	A			
		2515 to 2522			1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20														
<b>Y</b> (ISO 6162)		2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14					A	B	B	A	B	A			
		2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14													
<b>X</b> (without ports)		2512 to 2522	Only with rear body Type A																						

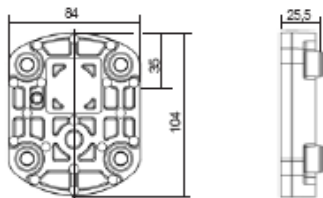


SERIES 2,5 TYPE AVP

REAR BODIES for MOTORS M1 - M2

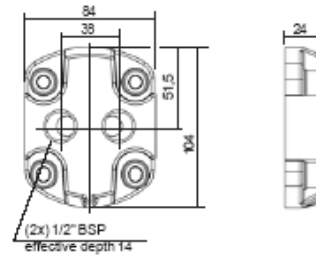
**L**

Standard



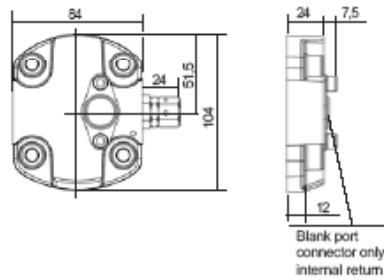
**A**

with ports



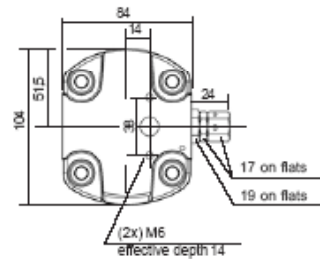
**X**

High pressure relief valve (Adjustable) Internal return



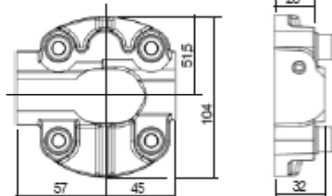
**T**

High pressure relief valve (Adjustable) External return



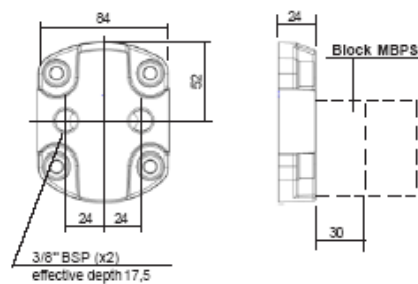
**Q**

Flow control Internal return



**AR**

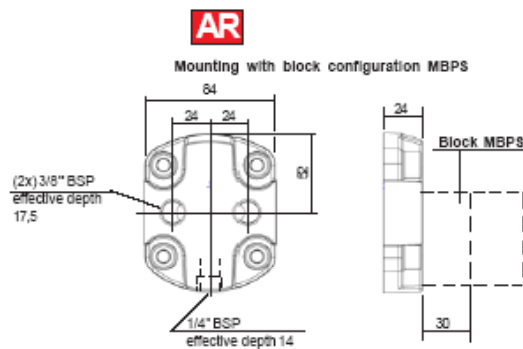
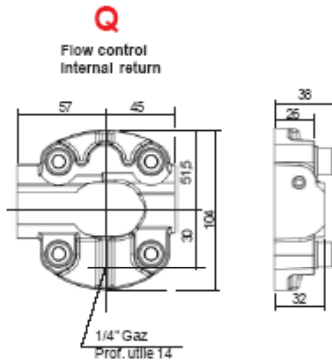
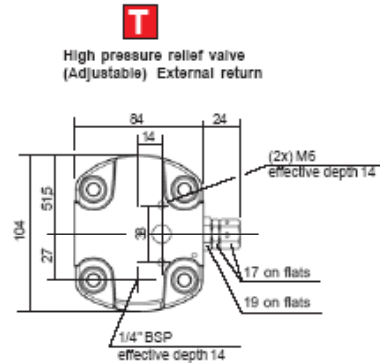
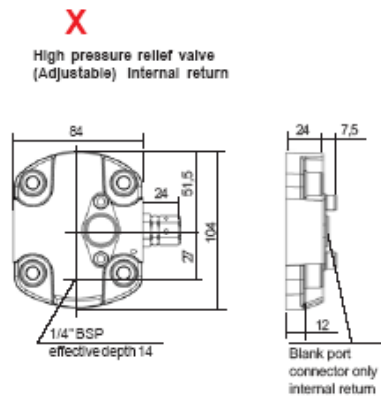
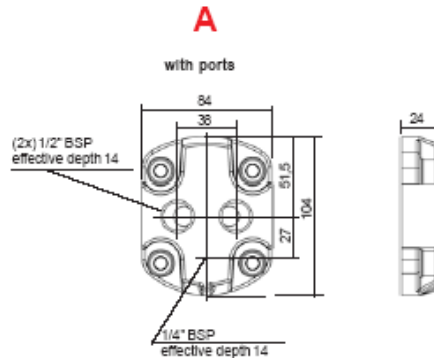
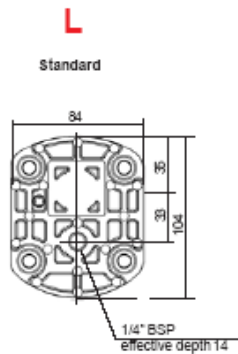
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE AVP

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

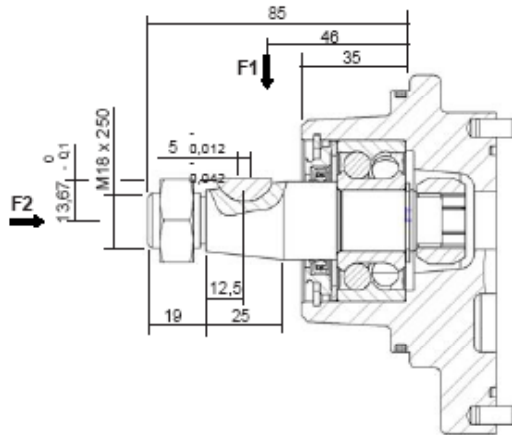
SERIES 2,5 TYPE AVP

DRIVING SHAFT

Tapered

10

**C06** Taper 1 / 5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

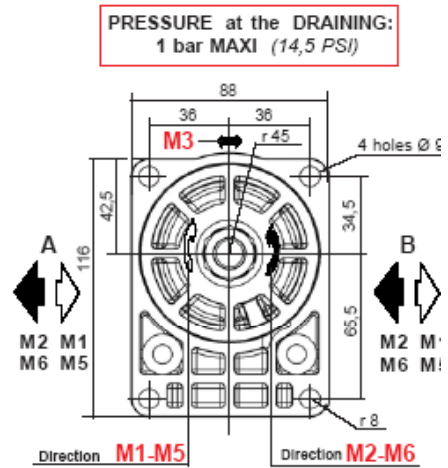
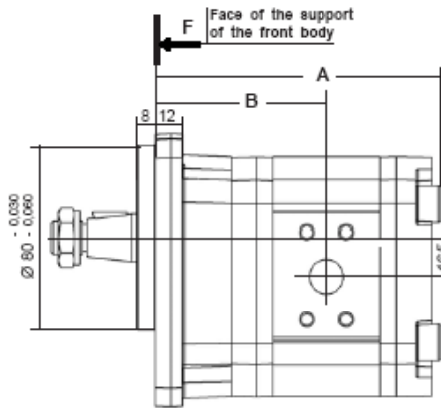
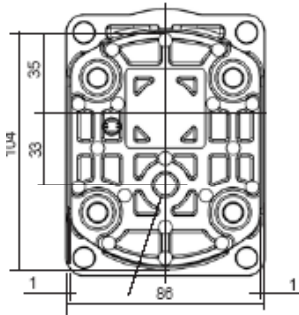
Maxi transmissible torque

70 m.daN

SERIES 2,5 TYPE DBP



**M** II Sign **DB** **P** **2 5** VI Sign **H L** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

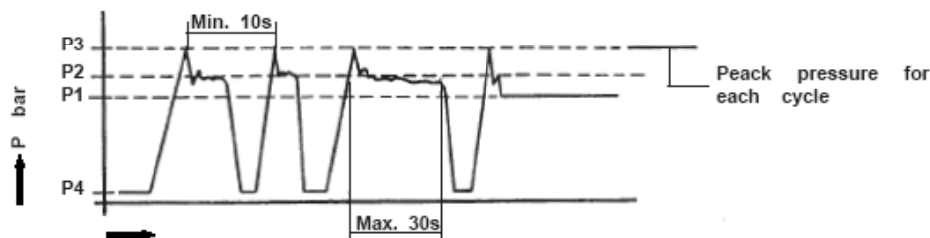
CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069870 + K5069830  
 Viton: K5069880 + K5069840  
 (For manufacturer to since January 1984)  
**M3 - M5/M6**  
 Nitrile: K5071067 + K5071069  
 Viton: K5071068 + K5071070  
 (For manufacturer to since February 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>2512</b>	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
<b>2515</b>	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,1
<b>2517</b>	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225</sup> bar	3500	3,2
<b>2518</b>	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175</sup> bar	///	3500	3,3
<b>2522</b>	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150</sup> bar	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE DBP**

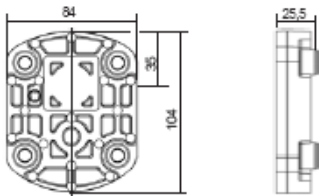
CHOICE of the IMPLANTATIONS of PORTS		Capacity										AFFECTATION					
		INLET					OUTLET					1 way rotation without counter pressure <b>M1</b> ENTREE SORTIE		1 way rotation with counter pressure <b>M2</b> ENTREE SORTIE		2 ways rotation with counter pressure <b>M3</b>	
Port connector, see our Catalogue N° 70		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
<b>H</b> (HPI) 	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A
	<b>C</b> (Square) 	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B
<b>B</b> (Italian) 	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A
	<b>F</b> (Threaded) 	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B
<b>U</b> (Threaded SAE J 475) 	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20						
<b>Y</b> (ISO 6162) 	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14						
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A															

**SERIES 2,5 TYPE DBP**

**REAR BODIES for MOTORS M1 - M2**

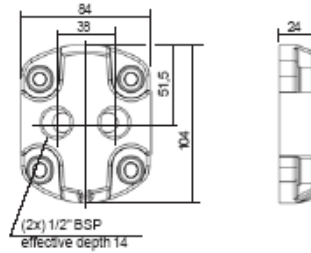
**L**

Standard



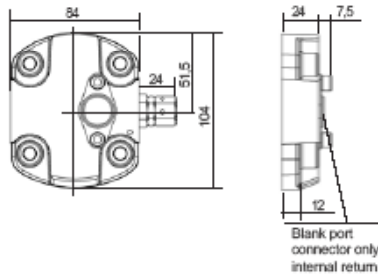
**A**

with ports



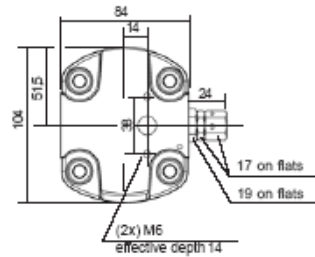
**X**

High pressure relief valve  
(Adjustable) internal return



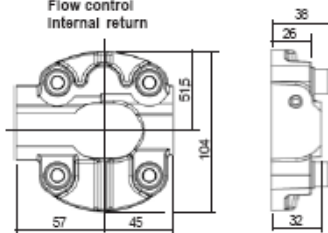
**T**

High pressure relief valve  
(Adjustable) External return



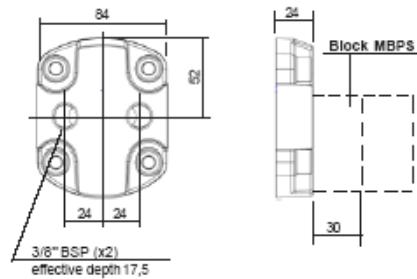
**Q**

Flow control  
Internal return



**AR**

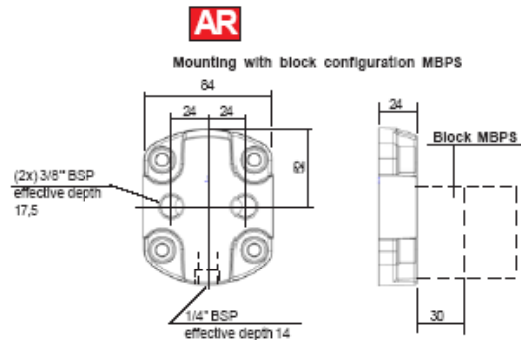
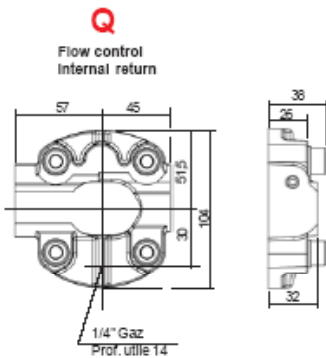
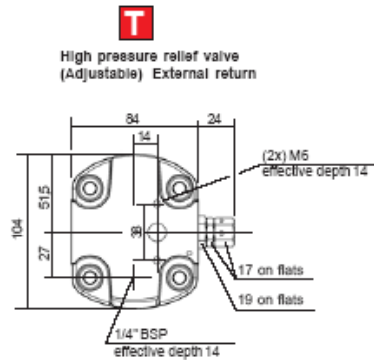
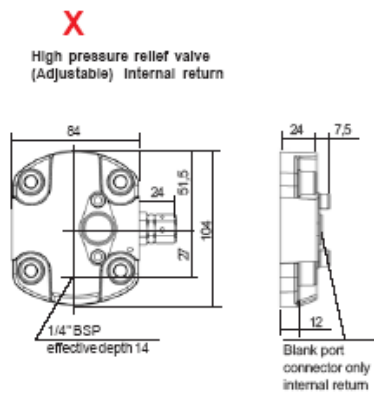
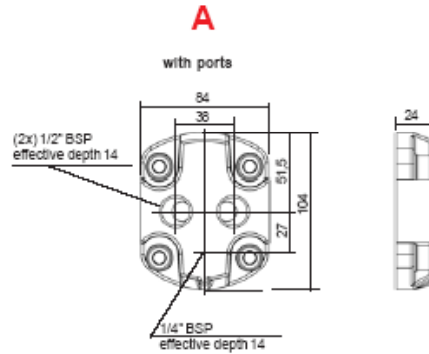
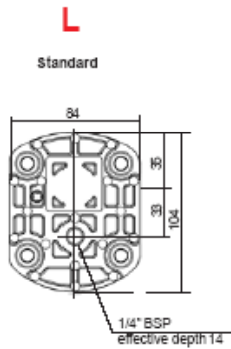
Mounting with block configuration MBPS



Consult us for availability

SERIES 2,5 TYPE DBP

REAR BODIES for MOTORS M3 - M5 - M6



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

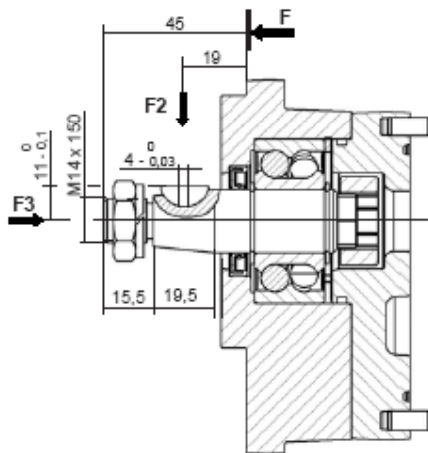
SERIES 2,5 TYPE DBP

DRIVING SHAFTS

Tapered

10

**C07** Taper 1 / 5



Delivered with Nut: K102045

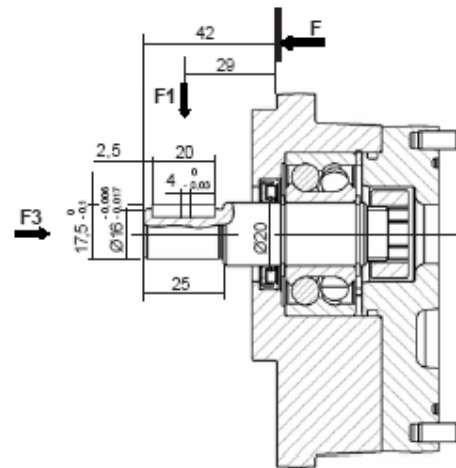
F2 Maxi: 120 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

Straight keyed

20

**C15**



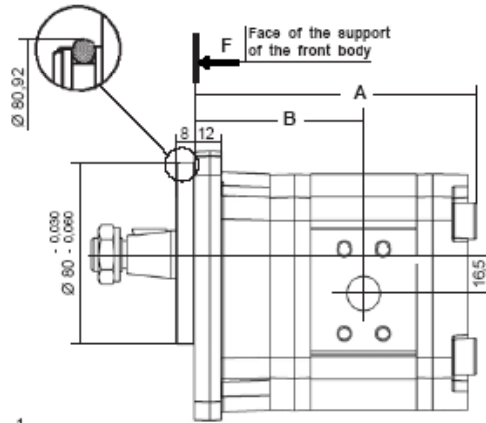
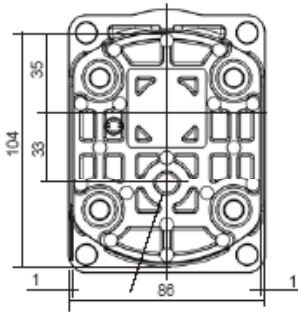
F1 Maxi: 100 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

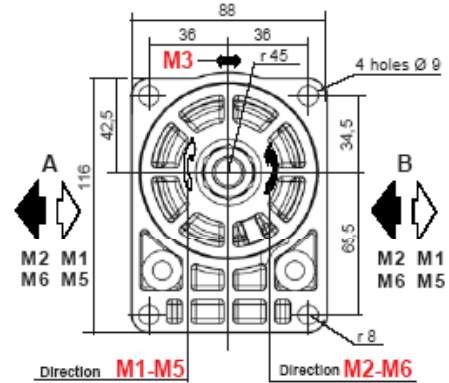
SERIES 2,5 TYPE DBR



**M** II Sign **DBR 2.5** VI Sign **HL** IX Sign X Sign XI Sign XII Sign  
 For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
 35 N.m

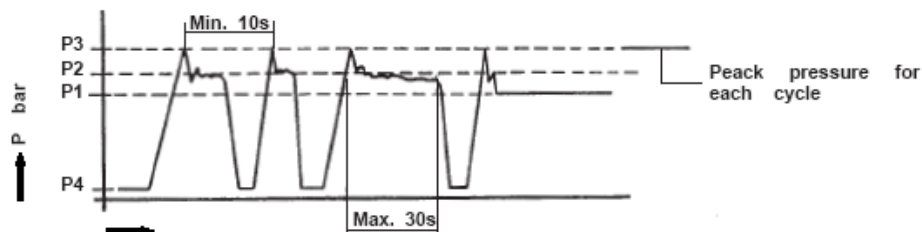
CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

**Seals kits:**  
**M1 - M2**  
 Nitrile: K5069830 + K5069870 + K101517  
 Viton: K5069840 + K5069880 + K104406  
 (For manufacturer to since January 1964)  
**M3 - M5/M6**  
 Nitrile: K5071069 + K5069870 + K101517  
 Viton: K5071070 + K5069880 + K104406  
 (For manufacturer to since February 1965)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,8
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,1
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 <sup>225 bar</sup>	3500	3,2
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 <sup>175 bar</sup>	///	3500	3,3
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 <sup>150 bar</sup>	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet  $\leq P$  (Only in M3)



Consult us for availability



**SERIES 2,5 TYPE DBR**

**CHOICE of the IMPLANTATIONS of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION					
		INLET					OUTLET					INLET					OUTLET					1 way rotation without counter pressure		2 ways rotation with counter pressure			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1 ENTREE SORTIE	M2 ENTREE SORTIE	M5 INLET	M6 OUTLET	M5 OUTLET	M6 INLET	M3 INLET	M3 OUTLET								
<b>H</b> (HPI)  Ø F effective depth G	2512 to 2522	26	47,6	22,4	M6	12	15	17,4	38	M6	12	A	B	B	A	B	A										
<b>C</b> (Square)  Ø F effective depth G	2512 to 2522	20	40		M6	12	15	35		M6	12	A	B	B	A	B	A										
<b>B</b> (Italian)  4 holes Ø F effective depth G	2512 to 2522	20	40		M6	13	15	30		M6	13	A	B	B	A	B	A										
<b>F</b> (Threaded)  Ø F effective depth G	2512 to 2522				1" BSP	18				1/2" BSP	14	A	B	B	A	B	A										
<b>U</b> (Threaded SAE J475)  Ø F effective depth G	2512				1"5/16 12 UNF 2B	20				7/8" 14 UNF 2B	17	A	B	B	A	B	A										
	2515 to 2522				1"5/16 12 UNF 2B	20				1"1/16 12 UNF 2B	20																
<b>Y</b> (ISO 6162)  Ø F effective depth G	2512	26	47,6	22,4	M10	14	15	17,4	38	M8	14	A	B	B	A	B	A										
	2515 to 2522	26	52,4	26,2	M10	14	15	17,4	38	M8	14																
<b>X</b> (without ports) 	2512 to 2522	Only with rear body Type A																									

Consult us for availability

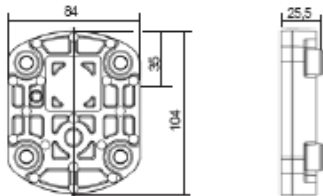


**SERIES 2,5 TYPE DBR**

**REAR BODIES for MOTORS M1 - M2**

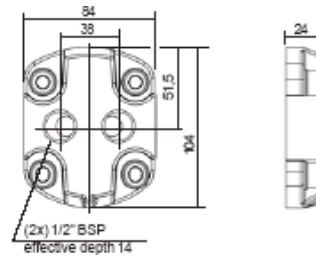
**L**

Standard



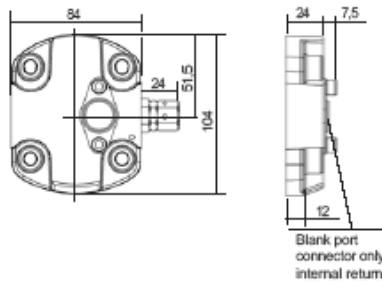
**A**

with ports



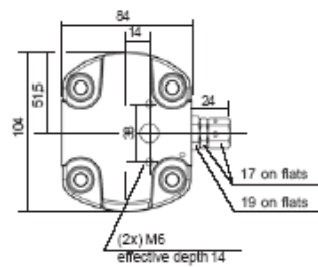
**X**

High pressure relief valve  
(Adjustable) internal return



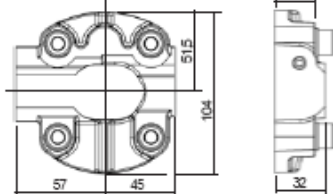
**T**

High pressure relief valve  
(Adjustable) External return



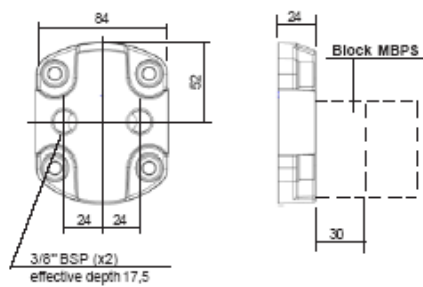
**Q**

Flow control  
internal return



**AR**

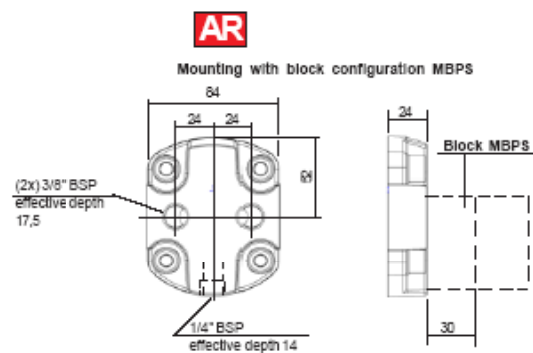
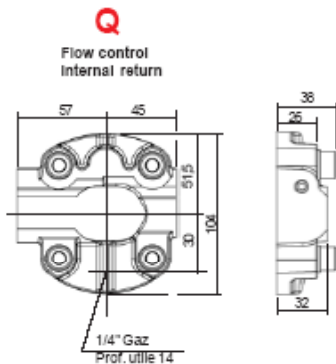
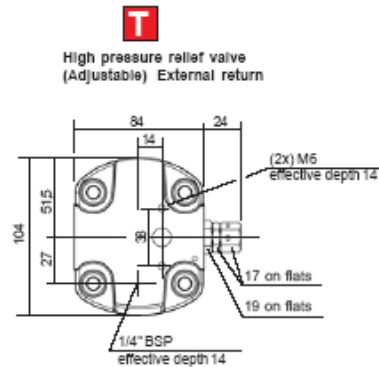
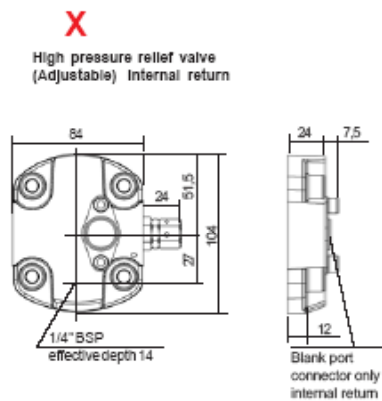
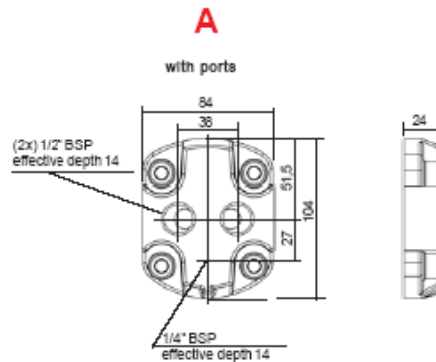
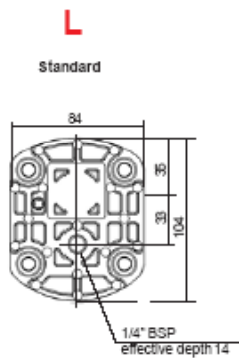
Mounting with block configuration MBPS



Consult us for availability

**SERIES 2,5 TYPE DBR**

**REAR BODIES for MOTORS M3 - M5 - M6**



Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

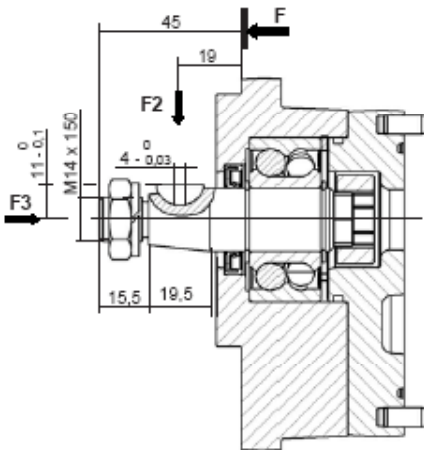
SERIES 2,5 TYPE DBR

DRIVING SHAFTS

Tapered

10

**C07** Taper 1 / 5



Delivered with Nut: K102045

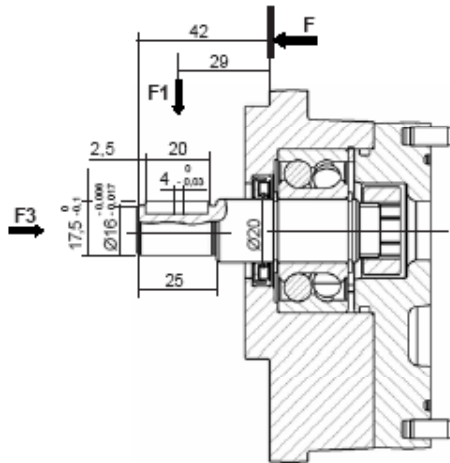
F2 Maxi: 120 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

Straight keyed

20

**C15**

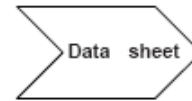


F1 Maxi: 100 daN  
F3 Maxi: 50 daN

Maxi transmissible torque  
50 N.m

MOTORS PRESENTATION  
**SERIES 3**

- FLAT FRONT BODY



F.T 30 1478

MOTOR **AAN**



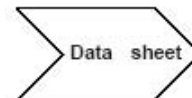
F.T 30 1479

MOTOR **AAK**



F.T 30 1480

MOTOR **BAN**



F.T 30 1481

MOTOR **CBN**




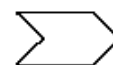
F.T 30 1482

MOTOR **CBK**



F.T 30 1483

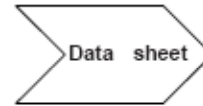
 Consult us for availability



**JTEKT**  
**HPI**

- FLAT FRONT BODY (rest)

MOTOR **DBN**



F.T 30 1484

MOTOR **DBK**



F.T 30 1485

MAIN CHARACTERISTICS SERIES 3

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>3025</b>	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
<b>3031</b>	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225</sup> bar	3000	5,6
<b>3040</b>	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225</sup> bar	3000	5,7
<b>3050</b>	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225</sup> bar	3000	6,9
<b>3060</b>	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200</sup> bar	3000	7
<b>3071</b>	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7,5
<b>3080</b>	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175</sup> bar		2500	7,6
<b>3090</b>	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175</sup> bar		2000	7,8
<b>3100</b>	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150</sup> bar		2000	8

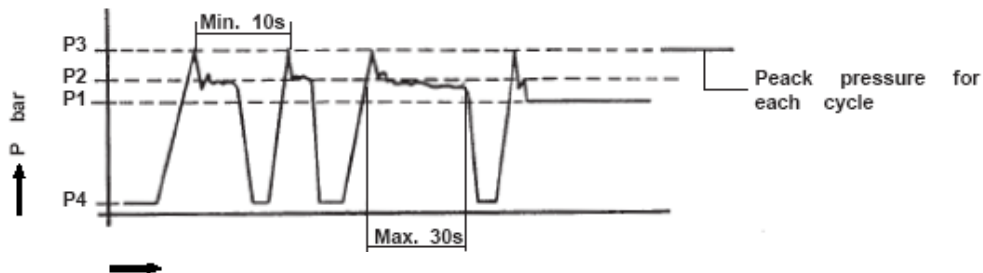
The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 65,2 and 700 SUS..  
 The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit.  
 Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).  
 Full flow filtration from 10 to 15 micron at the motor inlet or the return circuit.

**MAXIMUM PRESSURE:**

For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.  
 For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.  
 For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.  
 For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.

(The tests are effected with the oil SHELL Tellus T 46)

The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.



**PRESSURE at the DRAINING:**  
 1 bar MAXI (14,5 PSI)

Consult us for availability



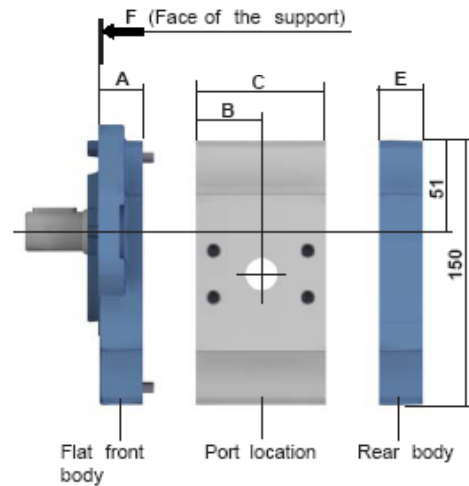
## MAIN DIMENSIONS SERIES 3

### CORPS AVANT PLAT

Flat front bodies:	A
AAN / <b>AAK</b> - BAN	25
CBN / <b>CBK</b> - DBN / <b>DBK</b>	

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

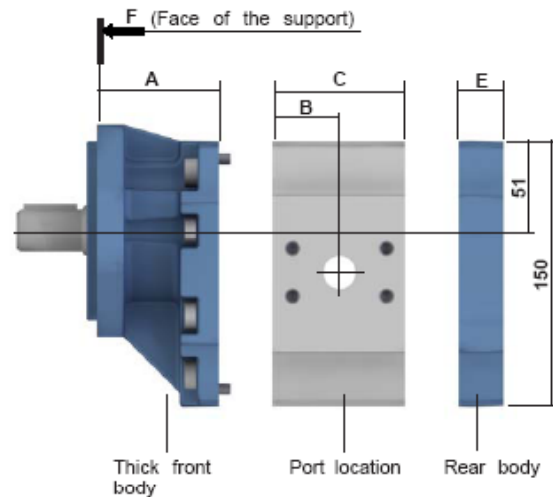


### THICK FRONT BODIES

Thick front bodies:	A
AAP - ABP / <b>ABR</b>	68
ADP / <b>ADR</b>	
ADF	120

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



Consult us for availability

### AVAILABILITIES SERIES 3

- M** | II | III | IV | **3** | VI | VII | VIII | IX | X | XI | XII
- Sign | Sign | Sign | Sign | Sign | Sign | Sign | Sign | Sign | Sign | Sign | Sign

For CODIFICATION, see data sheet **F.T.R.0243**

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)	TAPERED	DRIVING SHAFTS (IX, X and XI Sign)
M1   M2   M3   M5   M6			H   <b>B</b>   X	L   A   V*	10	STRAIGHT KEYED 20   SPLINED 30   TANG 40

X	X	X	X	<b>AAN / AAK</b>	3025														
X	X	X	X	<b>BAN</b>	3031														
X	X	X	X	<b>CBN / CBK</b>	3040														
X	X	X	X	<b>DBN / DBK</b>	3050														
X	X	X	X		3060														
X	X	X	X		3071														
X	X	X	X		3080														
X	X	X	X		3090														
X	X	X	X		3100														

\* only for Motors **M1 / M2** (without counter pressure)

#### LEGENDES

##### DIRECTION OF ROTATION

- M1** = Clockwise without counter pressure
- M2** = Anti clockwise without counter pressure
- M3** = Bi directional with counter pressure
- M5** = Clockwise with counter pressure
- M6** = Anti clockwise with counter pressure

##### FRONT BODIES

- A\*** = Fixing SAE and ISO
- BAN** = Fixing english and Italian
- CB\*** = Fixing French
- DB\*** = Fixing German
- A\*\*** = Fixation SAE et ISO
- BAN** = Fixation Anglaise et Italienne
- CB\*** = Fixation Française
- DB\*** = Fixation Allemande

##### PORT LOCATION

- H** = HPI Location
- B** = Italian location
- X** = without port

##### REAR BODIES

- L** = Standard with ports
- A** = low pressure relief valve
- X** = Internal return

### AVAILABILITIES SERIES 3

<b>M</b>	II	III	IV	<b>3</b>	VI	VII	VIII	IX	X	XI	XII
Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign

For CONFIGURATION, see data sheet **F.T.R.0243**

DIRECTION OF ROTATION (II Sign)	THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATI (VII Sign)	DRIVING SHAFTS (IX, X and XI Sign)			
				TAPERED 10	STRAIGHT KEVED 20	SPLINNED 30	TANG 40
M1 M2 M3 M5 M6			H B				

X	X	X	X	<b>AAP</b>								
X	X	X	X	<b>ABP / ABR</b>	<b>3025</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3031</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3040</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3050</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3060</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3071</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3080</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3090</b>							
X	X	X	X	<b>ADP / ADR</b>	<b>3100</b>							

\* only for Motors **M1 / M2**  
(without counter pressure)

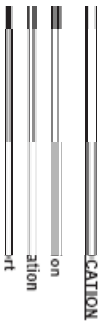
#### LEGENDES

##### DIRECTION OF ROTATION

- M1** = Clockwise without counter pressure
- M2** = Anti clockwise without counter pressure
- M3** = Bi directional with counter pressure
- M5** = Clockwise with counter pressure
- M6** = Anti clockwise with counter pressure

##### FRONT BODIES

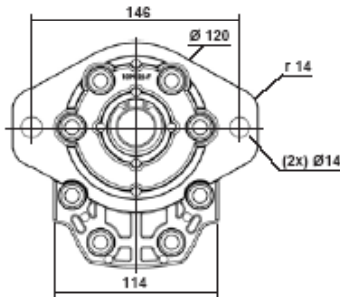
**A++** = Fixing SAE and ISO



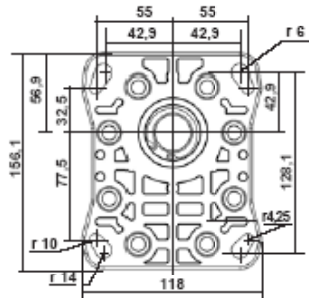
##### REAR BODIES

- L** = Standard
- A** = with ports
- X** = low pressure relief valve Internal return

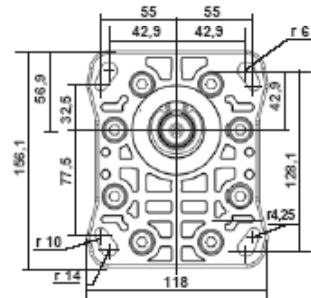
## CORPS AVANT PLAT

**AAAN / AAK**

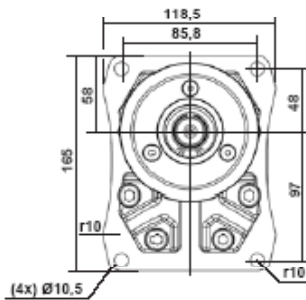
Centering:  $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
 Thickness: 6,35  
 AAN : F.T 30 1479  
**AAK : F.T 30 1480**

**BAN**


Centering:  $\varnothing 50,78 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
 Thickness: 5  
 BAN: F.T 30 1481

**CBN / CBK**

Centering:  $\varnothing 65 \begin{smallmatrix} -0,03 \\ -0,05 \end{smallmatrix}$   
 Thickness: 5  
 CBN : F.T 30 1482  
**CBK : F.T 30 1483**

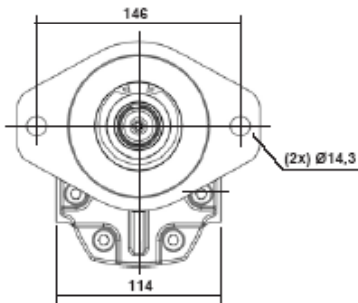
**DBN / DBK**

Centering:  $\varnothing 105 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$   
 Thickness: 8  
 DBN : F.T 30 1484  
**DBK : F.T 30 1485**

 Consult us for availability

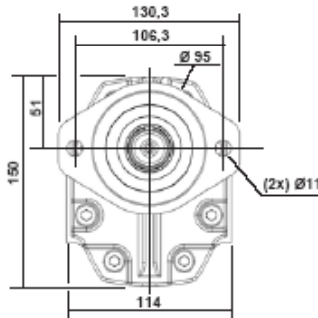


## CORPS AVANT EPAIS

**AAP**

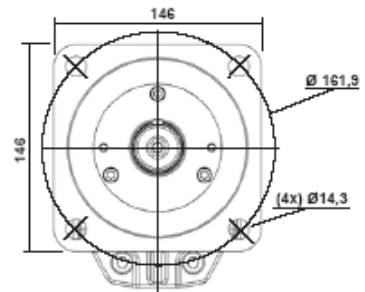
Centering:  $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
Thickness: 6,35

**AAP** : F.T 30 1486  
**AAR** : F.T 30 1487

**ABP / ABR**

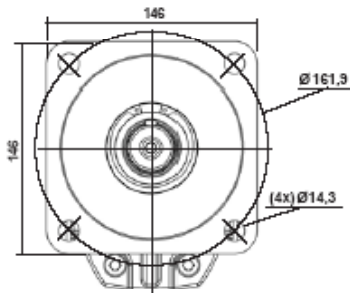
Centering:  $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
Thickness: 6,35

**ABP** : F.T 30 1488  
**ABR** : F.T 30 1489

**ADF**

Centering:  $\varnothing 127 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
Thickness: 6,35

**ADF** : F.T 30 1490

**ADP / ADR**

Centering:  $\varnothing 127 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$   
Thickness: 6,35

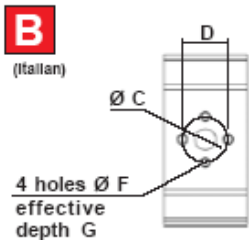
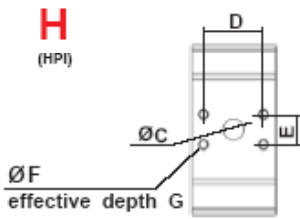
**ADP** : F.T 30 1491  
**ADR** : F.T 30 1492



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

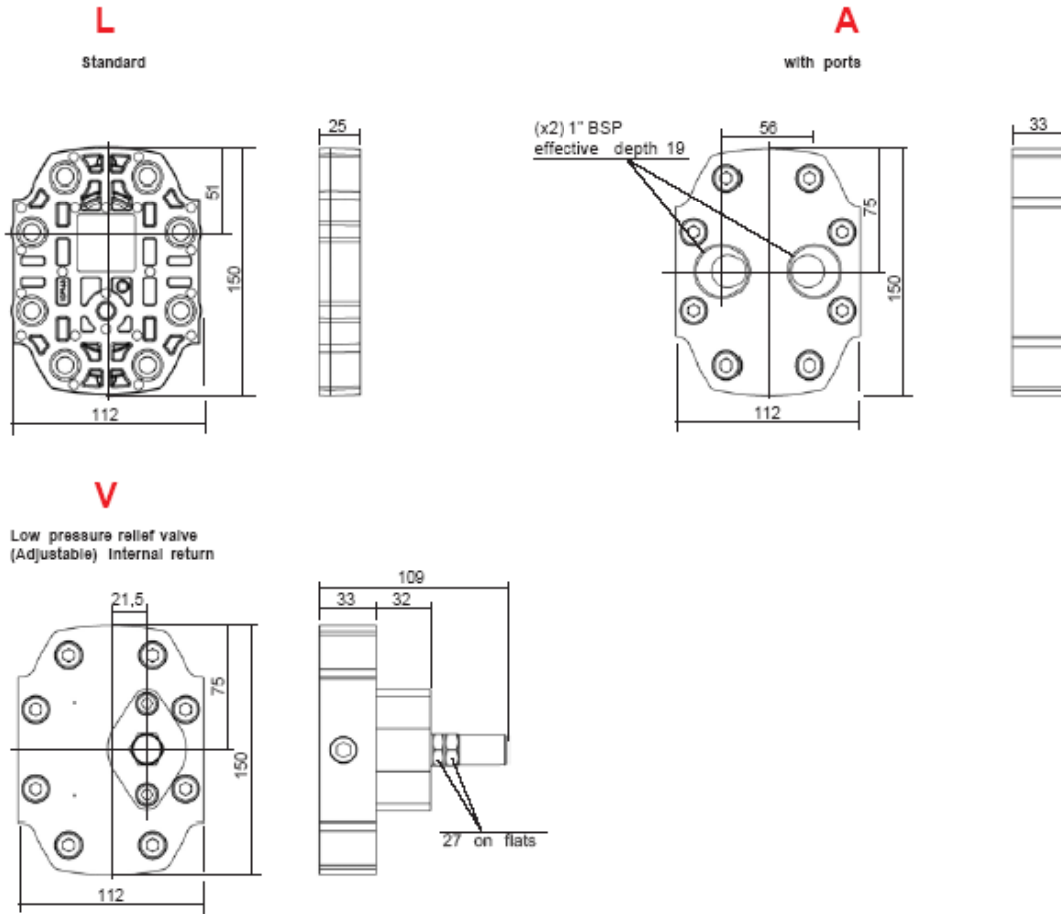
AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A



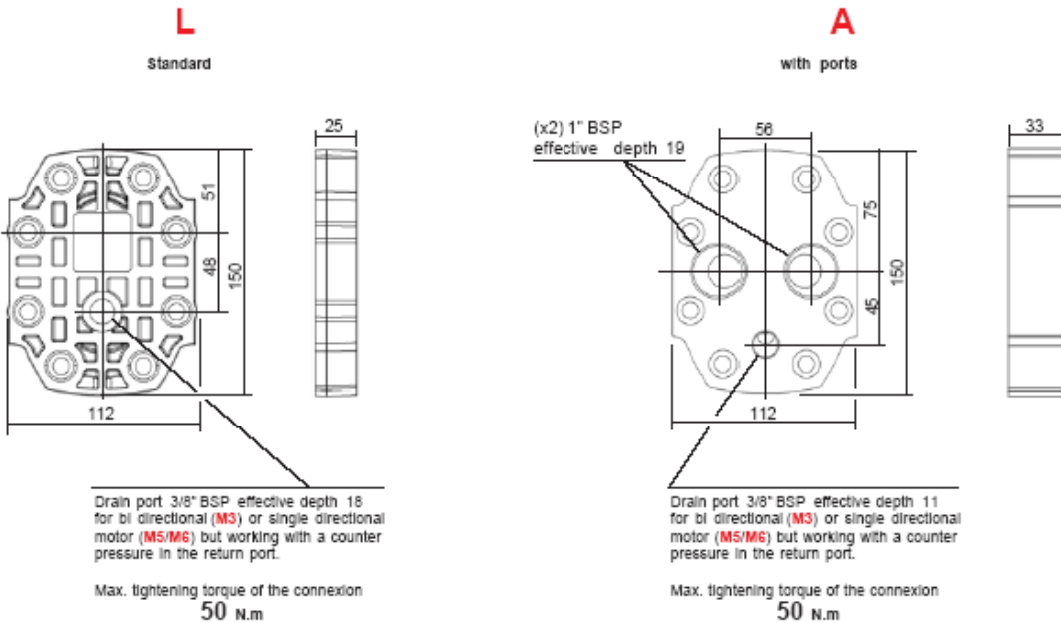
Consult us for availability



REAR BODIES for MOTORS M1 - M2



REAR BODIES for MOTORS M3 - M5 - M6



Consult us for availability



DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Spined <b>30</b>	Tang <b>40</b>
<p><b>B03</b> Taper 1/8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><u>Maxi transmissible torque</u> <b>530 N.m</b></p>	<p><b>A02</b></p> <p><u>Maxi transmissible torque</u> <b>290 N.m</b></p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>390 N.m</b></p>	<p><b>C04</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>B04</b> Taper 1/8</p> <p>Delivered with Nut Ref.: K101677</p> <p><u>Maxi transmissible torque</u> <b>800 N.m</b></p>	<p><b>C04</b></p> <p><u>Maxi transmissible torque</u> <b>320 N.m</b></p>		
<p><b>C04</b> Taper 1/5</p> <p>Delivered with Nut Ref.: K101712</p> <p><u>Maxi transmissible torque</u> <b>750 N.m</b></p>			

Consult us for availability



DRIVING SHAFTS

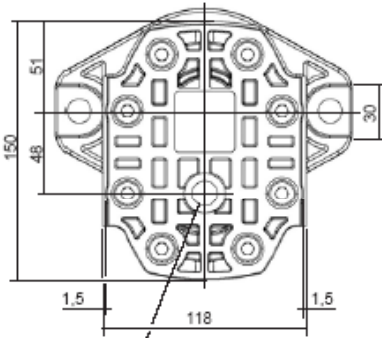
Tapered 10	Straight keyed 20	Splined 30	Tang 40
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 340 N.m</p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 500 N.m</p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 430 N.m</p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 310 N.m</p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 290 N.m</p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 490 N.m</p>	<p>Consult us for availability</p>

**SERIES 3 TYPE AAN**



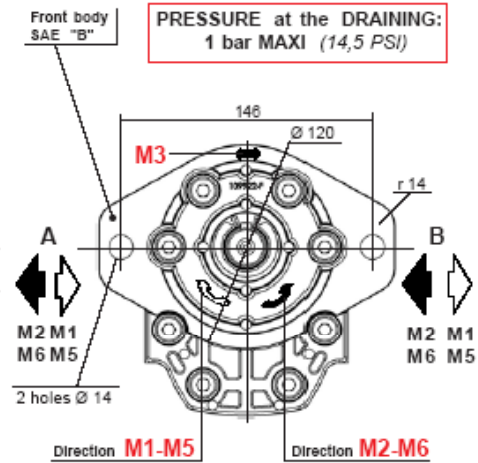
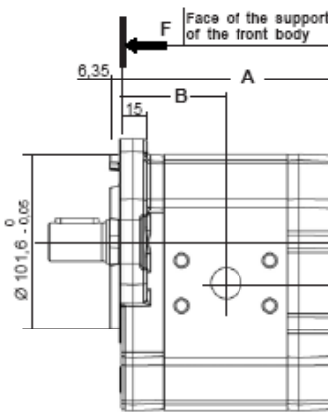
**M** II Sign **AA** N **3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



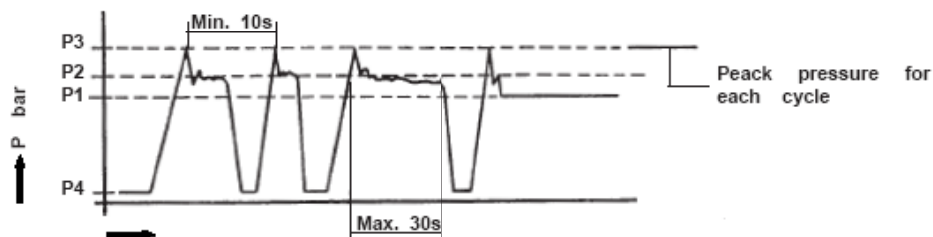
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kite:**  
**M1 - M2**  
 Nitrile: K507041 Viton: K507042  
 (For the manufacturings from october 1991)  
**M3 - M5/M6**  
 Nitrile: K5071071 Viton: K5071072  
 (For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	///	2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	///	2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	///	2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peack pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 3 TYPE AAN**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70

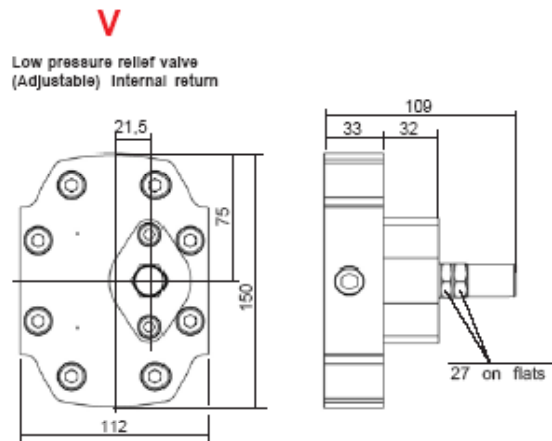
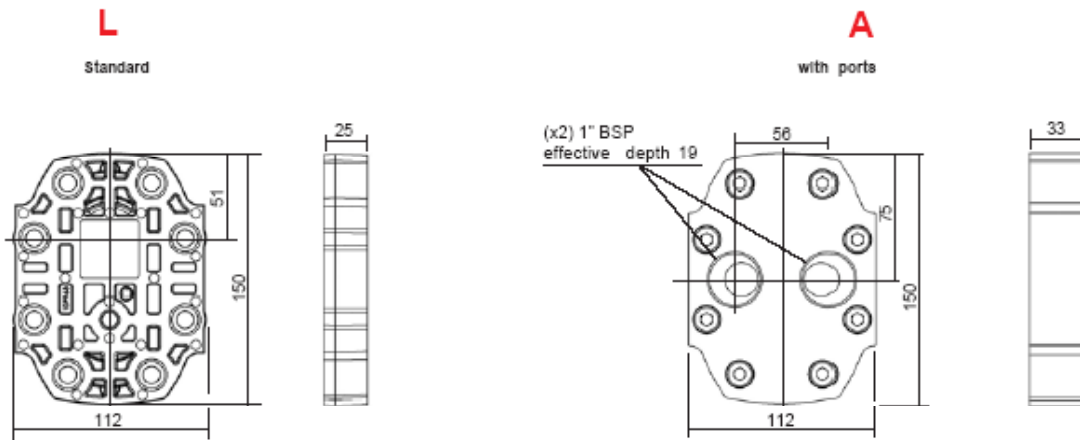
	Capacity	INLET A										OUTLET B										AFFECTATION							
																						1 way rotation without counter pressure		2 ways rotation with counter pressure					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1		M2		M3													
		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure		1 way rotation without counter pressure							
<b>H</b> (HPI)	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17																		
	3050 to 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A												
	3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17																		
<b>X</b> (without ports)	3025 to 3040	Only with rear body Type A																											
	3050 to 3060	Only with rear body Type A																											
	3071 to 3100	Only with rear body Type A																											



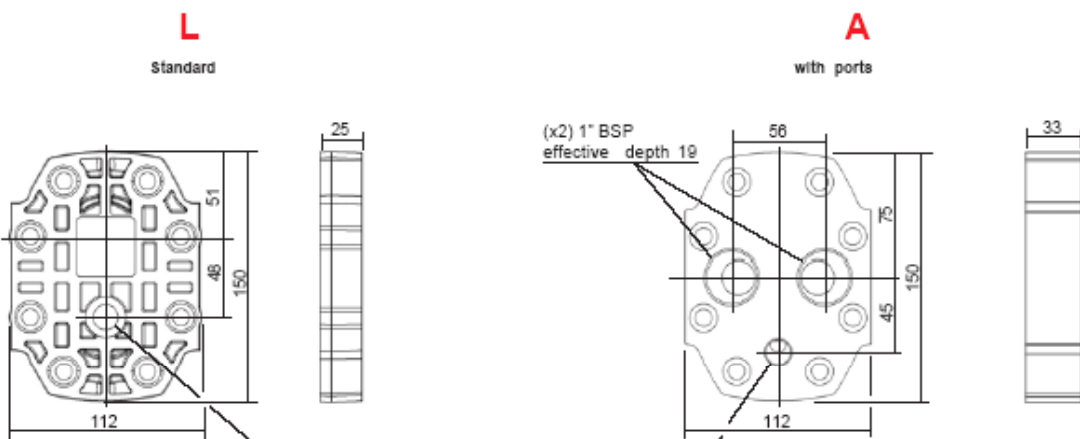
Consult us for availability

**SERIES 3 TYPE AAN**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**

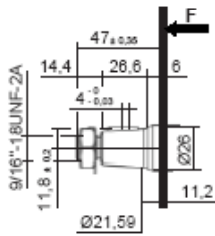


SERIES 3 TYPE AAN

DRIVING SHAFTS

Tapered	Straight keyed	Splined	Tang
10	20	30	40

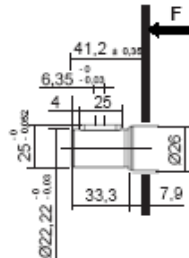
**B03** Taper 1 / 8



Delivered with Nut Ref.:K100734  
and lock washer Ref.:K103945

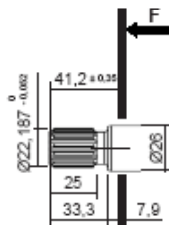
Maxi transmissible torque  
**530 N.m**

**A02**



Maxi transmissible torque  
**290 N.m**

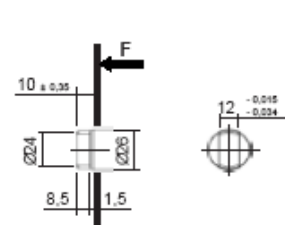
**A02**



Involute spline SAE Standard  
13 teeth - 7/8" -  
Diametral Pitch 16/32  
30° Pressure angle

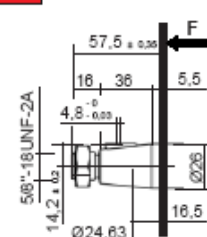
Maxi transmissible torque  
**390 N.m**

**C04**



Maxi transmissible torque  
**70 N.m**

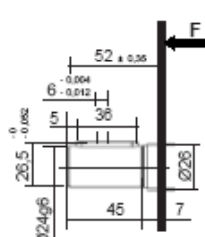
**B04** Taper 1 / 8



Delivered with Nut Ref.:K101677

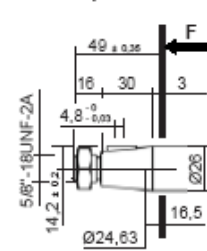
Maxi transmissible torque  
**800 N.m**

**C04**



Maxi transmissible torque  
**320 N.m**

**C04** Taper 1 / 5



Delivered with Nut Ref.:K101712

Maxi transmissible torque  
**750 N.m**



Consult us for availability

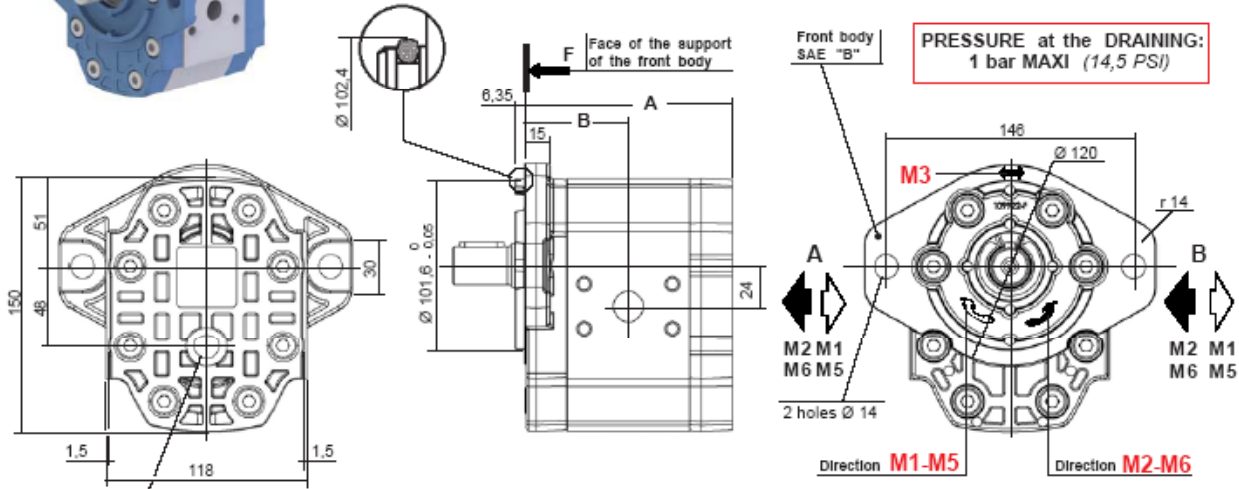


**SERIES 3 TYPE AAK**



**M** II Sign **AAK3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion **50 N.m**

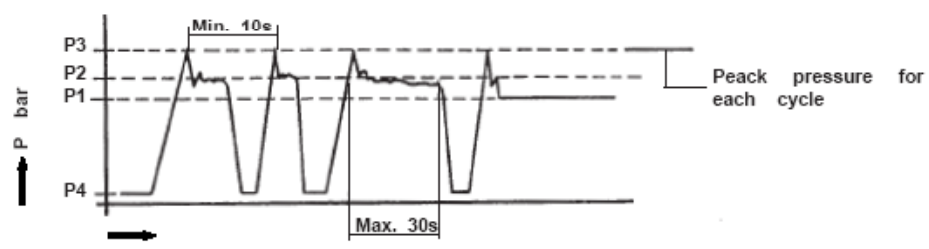
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kits:**  
**M1-M2**  
Nitrile: K507041 + K107081  
Viton: K507042 + K107045  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071071 + K107081  
Viton: K5071072 + K107045  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 3 TYPE AAK**

**CHOICE of the IMPLANTATION of PORTS**

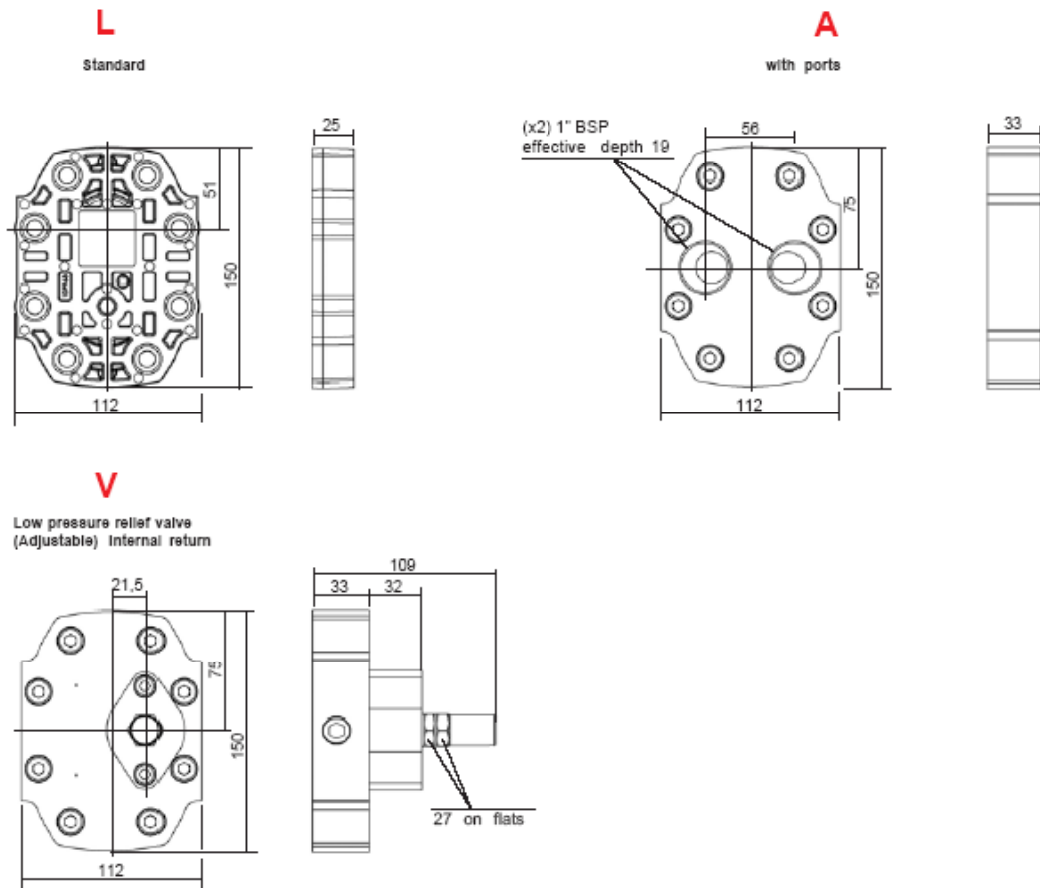
Port connector, see our Catalogue N° 70

	Capacity	INLET A					OUTLET B					AFFECTATION					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>	
												INLET	OUTLET	INLET	OUTLET		
<b>H</b> (HPI)	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17						
	3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A
	3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17						
<b>B</b> (Italian)	3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A
	3050 3060																
	3071 to 3100																
<b>X</b> (without ports)	3025 to 3040	Only with rear body Type A															
	3050 3060																
	3071 to 3100																

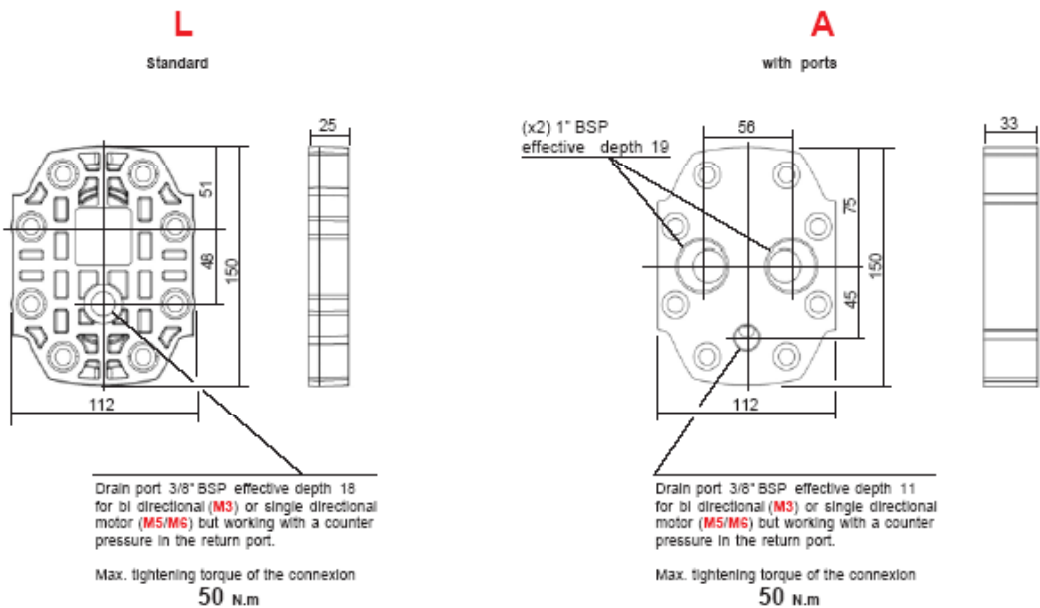
Consult us for availability

**SERIES 3 TYPE AAK**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability



SERIES 3 TYPE AAK

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B03</b> Taper 1 / 8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><u>Maxi transmissible torque</u> <b>530 N.m</b></p>	<p><b>A02</b></p> <p><u>Maxi transmissible torque</u> <b>290 N.m</b></p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>390 N.m</b></p>	<p><b>C04</b></p> <p><u>Maxi transmissible torque</u> <b>70 N.m</b></p>
<p><b>B04</b> Taper 1 / 8</p> <p>Delivered with Nut Ref.: K101877</p> <p><u>Maxi transmissible torque</u> <b>800 N.m</b></p>	<p><b>C04</b></p> <p><u>Maxi transmissible torque</u> <b>320 N.m</b></p>		
<p><b>C04</b> Taper 1 / 5</p> <p>Delivered with Nut Ref.: K101712</p> <p><u>Maxi transmissible torque</u> <b>750 N.m</b></p>			



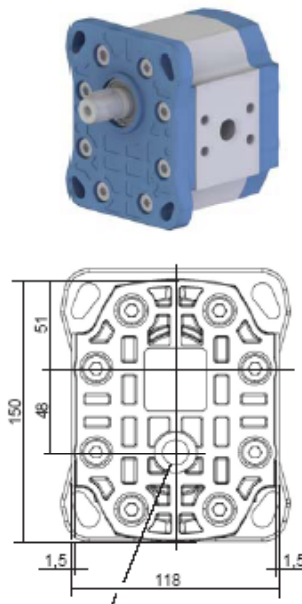
Consult us for availability



**SERIES 3 TYPE BAN**

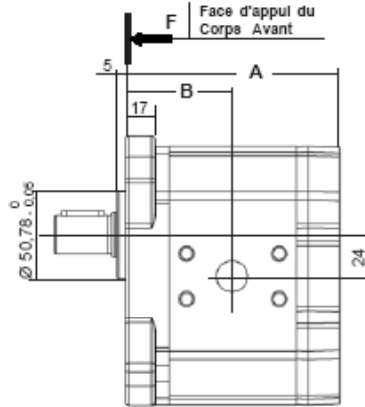
**M** II Sign **BAN 3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

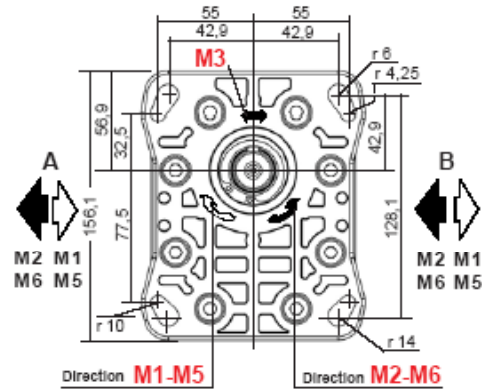


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



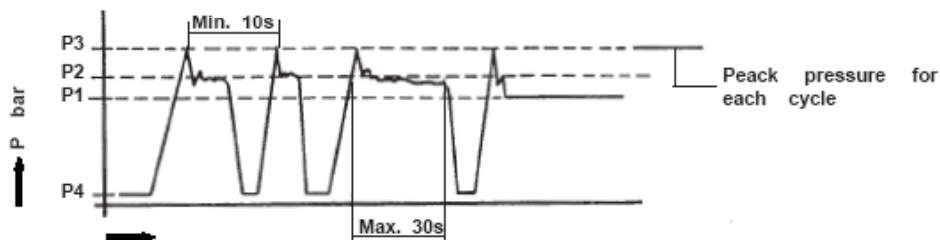
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507041 Viton: K507042  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071071 Viton: K5071072  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	///	2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	///	2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	///	2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



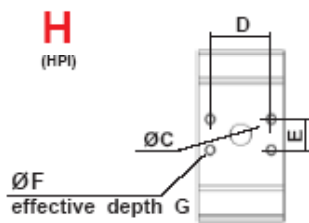
Consult us for availability



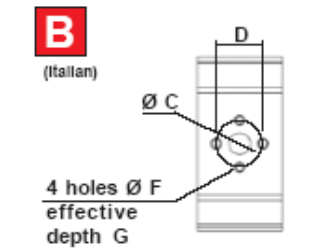
**SERIES 3 TYPE BAN**

**CHOICE of the IMPLANTATION of PORTS**

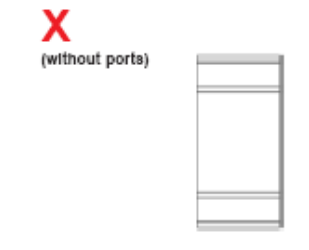
Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17




3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										



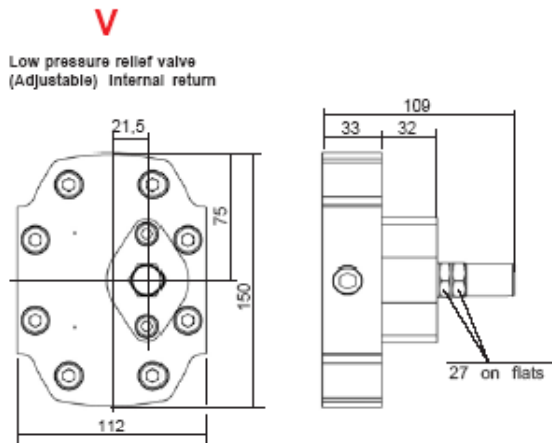
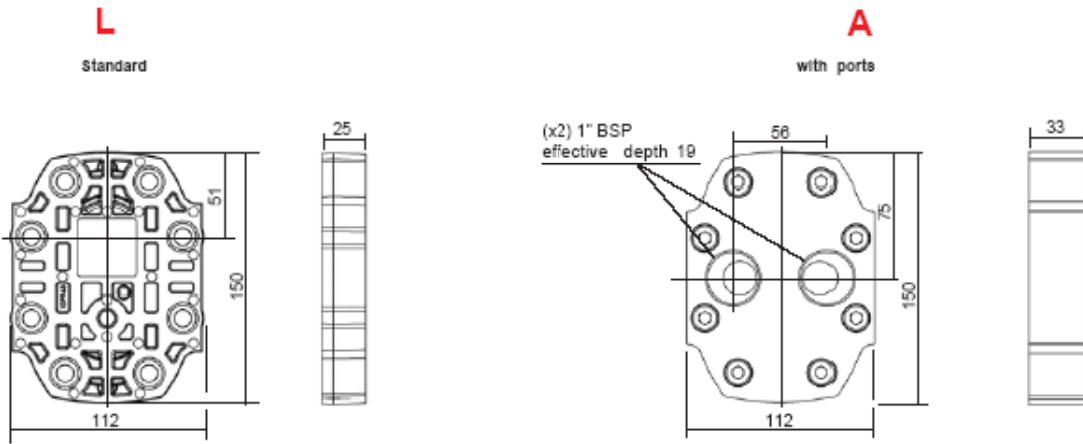
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

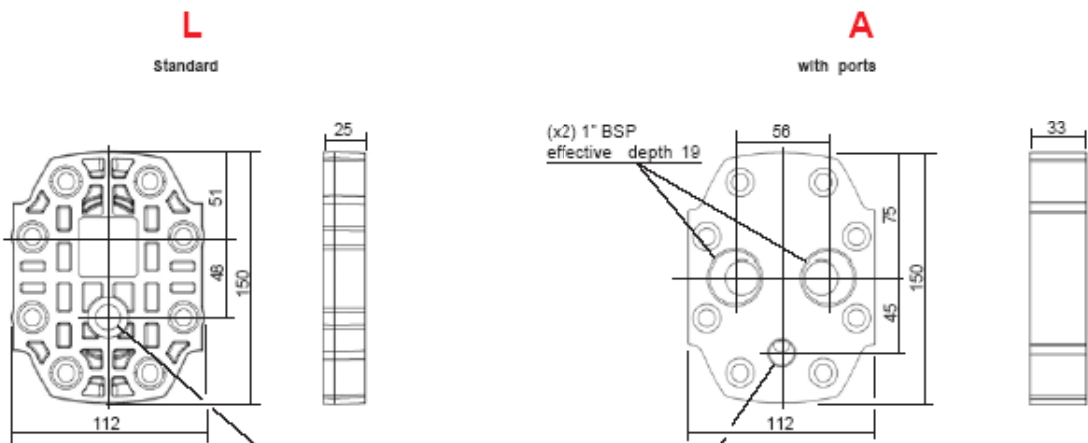
 Consult us for availability

**SERIES 3 TYPE BAN**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**



SERIES 3 TYPE BAN

DRIVING SHAFTS

Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B03</b> Taper 1 / 8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><b>Maxi transmissible torque</b> 530 N.m</p>	<p><b>A02</b></p> <p><b>Maxi transmissible torque</b> 290 N.m</p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> 390 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>B04</b> Taper 1 / 8</p> <p>Delivered with Nut Ref.: K101877</p> <p><b>Maxi transmissible torque</b> 800 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 320 N.m</p>		
<p><b>C04</b> Taper 1 / 5</p> <p>Delivered with Nut Ref.: K101712</p> <p><b>Maxi transmissible torque</b> 750 N.m</p>			



Consult us for availability



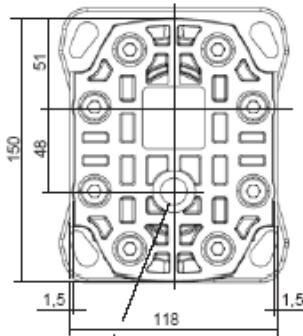
**SERIES 3 TYPE CBN**



**M** II Sign **CB** **N** **3** VI Sign **H** **L** IX Sign **X** Sign **XI** Sign **XII** Sign

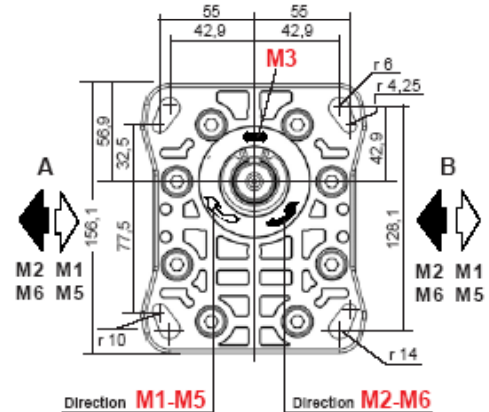
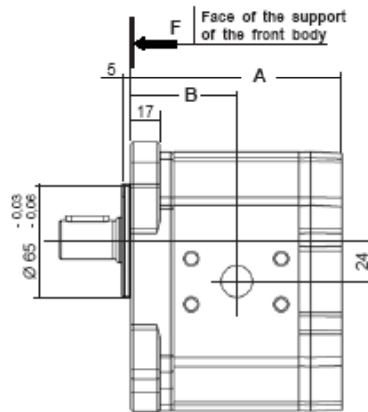
For CODIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**



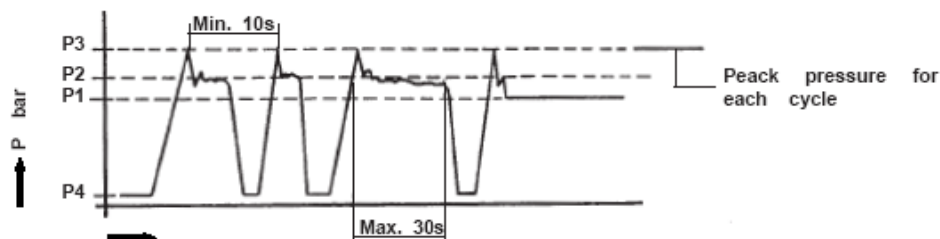
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507041 Viton: K507042  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071071 Viton: K5071072  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	///	2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	///	2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	///	2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



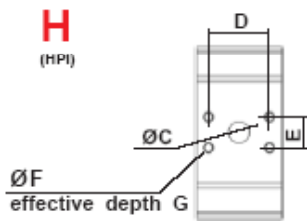
Consult us for availability



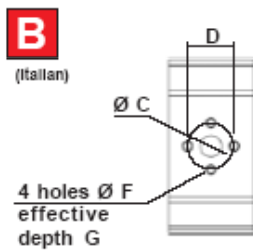
**SERIES 3 TYPE CBN**

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										



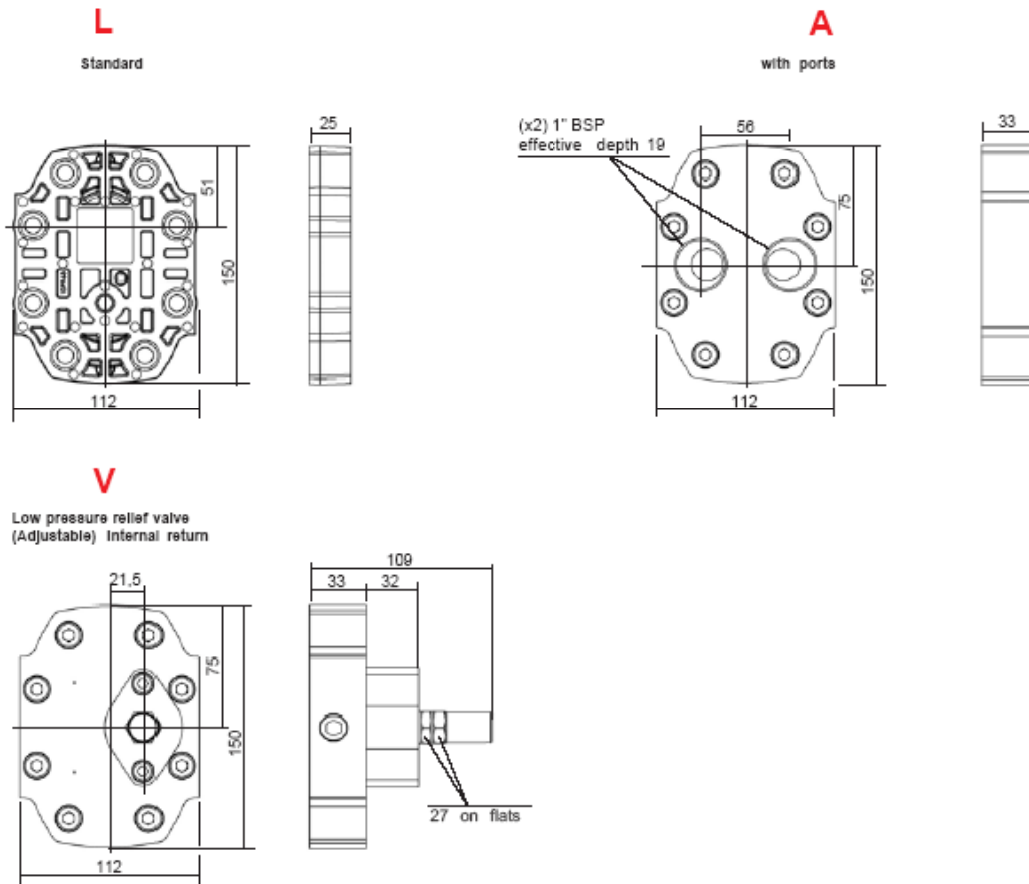
AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET		
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A



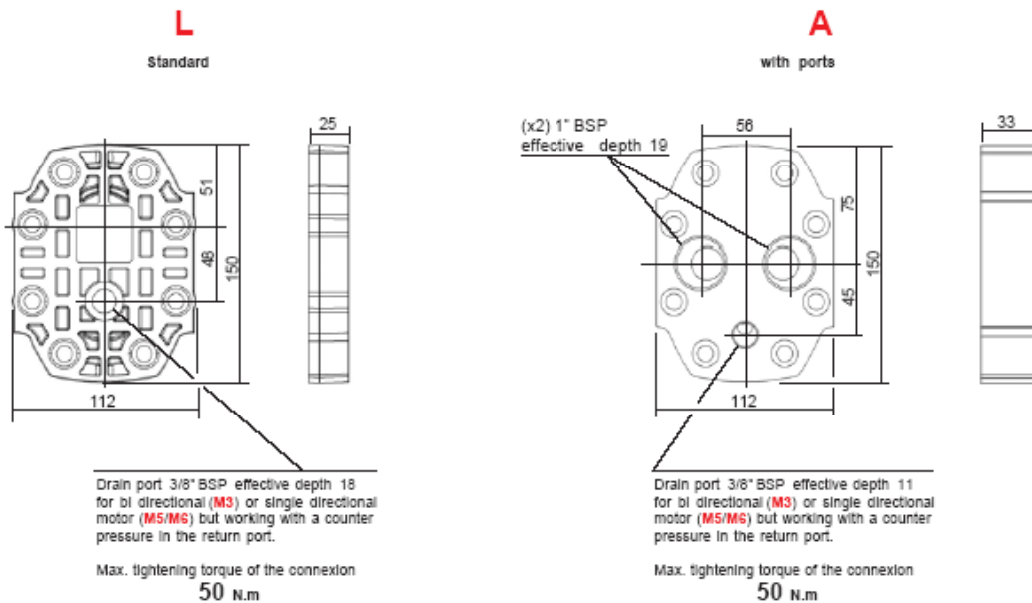
Consult us for availability

**SERIES 3 TYPE CBN**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



SERIES 3 TYPE CBN

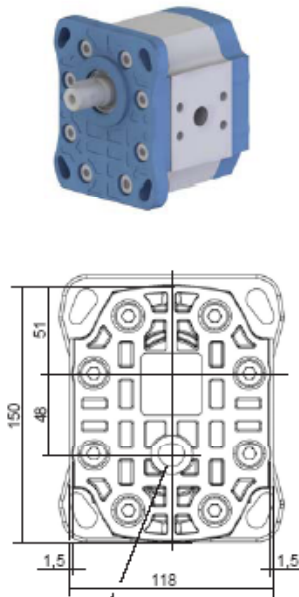
DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B03</b> Taper 1 / 8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><b>Maxi transmissible torque</b> 530 N.m</p>	<p><b>A02</b></p> <p><b>Maxi transmissible torque</b> 290 N.m</p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> 390 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>B04</b> Taper 1 / 8</p> <p>Delivered with Nut Ref.: K101877</p> <p><b>Maxi transmissible torque</b> 800 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 320 N.m</p>		
<p><b>C04</b> Taper 1 / 5</p> <p>Delivered with Nut Ref.: K101712</p> <p><b>Maxi transmissible torque</b> 750 N.m</p>			



Consult us for availability

SERIES 3 TYPE CBK

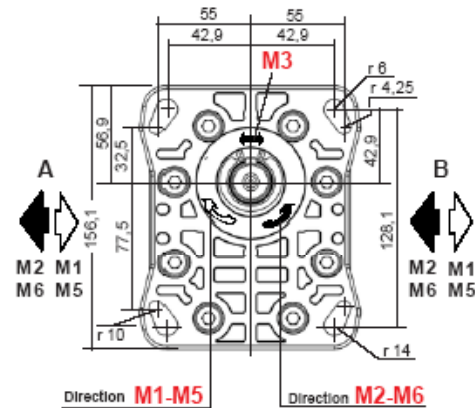
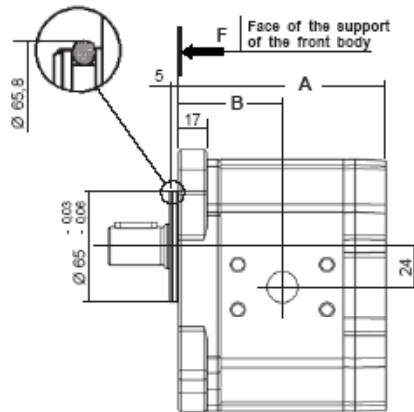


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.  
Max. tightening torque of the connexion 50 N.m

M II Sign **CBK 3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



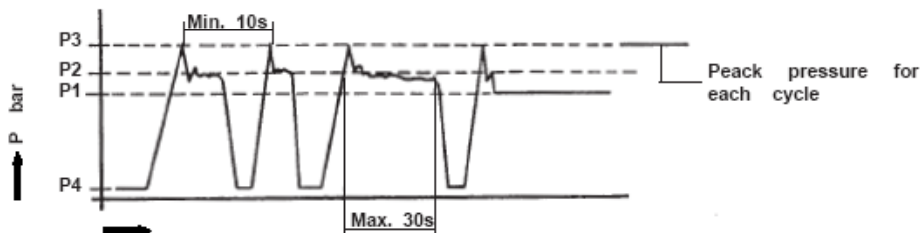
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507041 + K106675  
Viton: K507042 + K106676  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071071 + K106675  
Viton: K5071072 + K106676  
(For the manufacturings from april 1967)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225</sup>	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225</sup>	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225</sup>	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200</sup>	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	Diagonal	2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175</sup>	Diagonal	2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175</sup>	Diagonal	2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150</sup>	Diagonal	2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

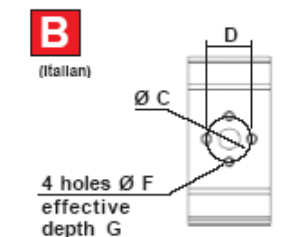
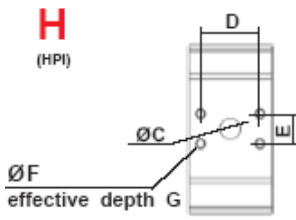


**SERIES 3 TYPE CBK**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70

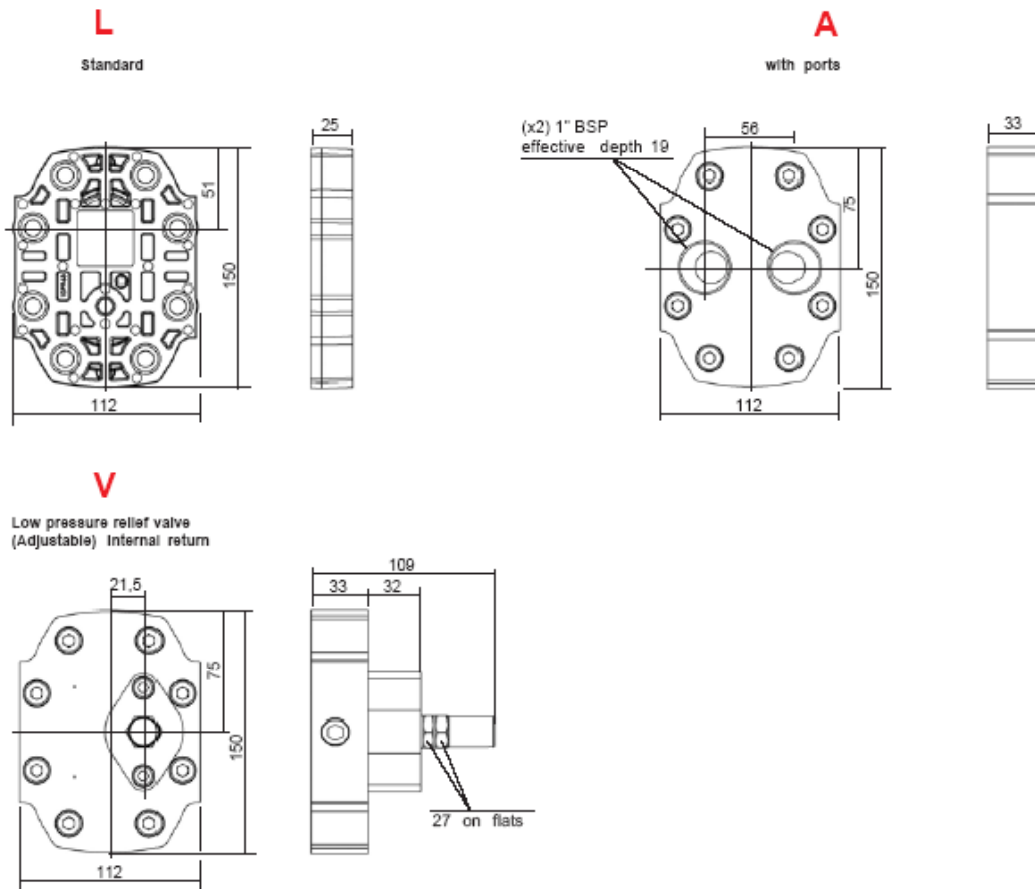
	Capacity	INLET										OUTLET						AFFECTATION									
		A					B					B					A					M1		M2		M3	
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
<b>H</b> (HPI)	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17																
	3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A	B	A	B	A						
	3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17																
<b>B</b> (Italian)	3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A										
	3050 3060																										
	3071 to 3100																										
<b>X</b> (without ports)	3025 to 3040	Only with rear body Type A																									
	3050 3060																										
	3071 to 3100																										



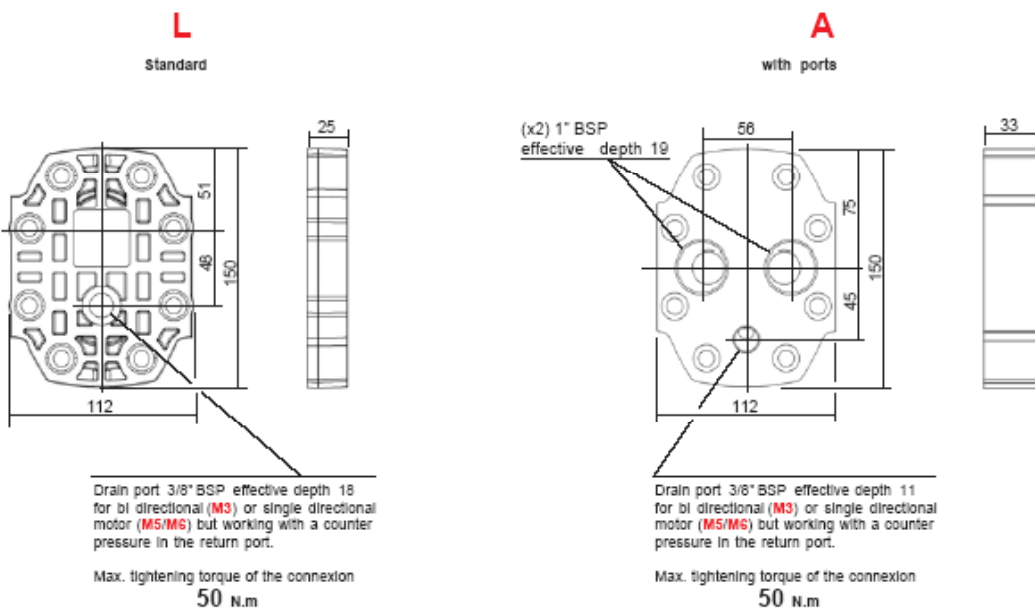
Consult us for availability

**SERIES 3 TYPE CBK**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability



SERIES 3 TYPE CBK

DRIVING SHAFTS

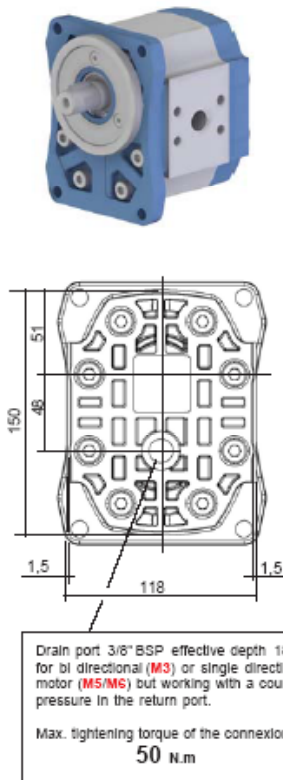
Tapered 10	Straight keyed 20	Splined 30	Tang 40
<p><b>B03</b> Taper 1 / 8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><b>Maxi transmissible torque</b> 530 N.m</p>	<p><b>A02</b></p> <p><b>Maxi transmissible torque</b> 290 N.m</p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 1 1/32 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> 390 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>B04</b> Taper 1 / 8</p> <p>Delivered with Nut Ref.: K101877</p> <p><b>Maxi transmissible torque</b> 800 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 320 N.m</p>		
<p><b>C04</b> Taper 1 / 5</p> <p>Delivered with Nut Ref.: K101712</p> <p><b>Maxi transmissible torque</b> 750 N.m</p>			



Consult us for availability

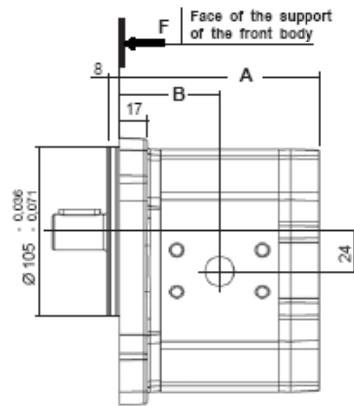


**SERIES 3 TYPE DBN**

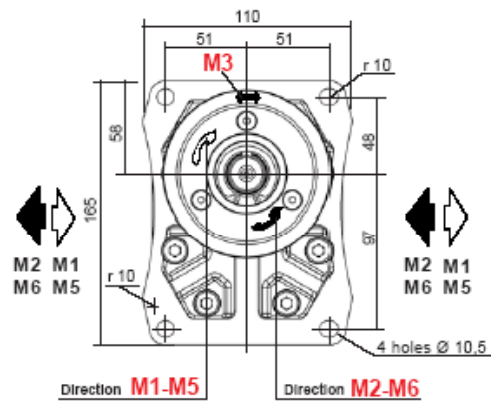


**M** II Sign **DB N 3** VI Sign **H L** IX Sign **X** Sign **XI** Sign **XII** Sign

For CODIFICATION, see data sheet **F.T.R 0243**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



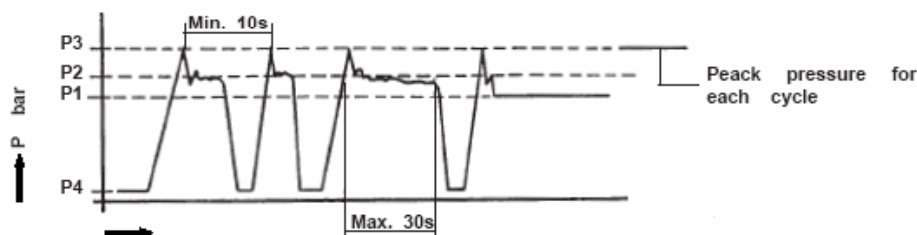
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507041 Viton: K507042  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071071 Viton: K5071072  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>3025</b>	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
<b>3031</b>	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225</sup> bar	3000	5,6
<b>3040</b>	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225</sup> bar	3000	5,7
<b>3050</b>	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225</sup> bar	3000	6,9
<b>3060</b>	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200</sup> bar	3000	7
<b>3071</b>	71	150	2175	175	2537	225	3262	2000	2300	500	800	800	2500	7
<b>3080</b>	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175</sup> bar	800	2500	7,1
<b>3090</b>	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175</sup> bar	800	2000	7,8
<b>3100</b>	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150</sup> bar	800	2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



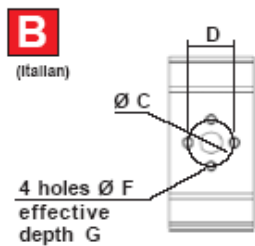
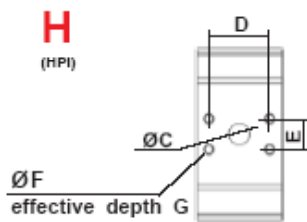
Consult us for availability



**SERIES 3 TYPE DBN**

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



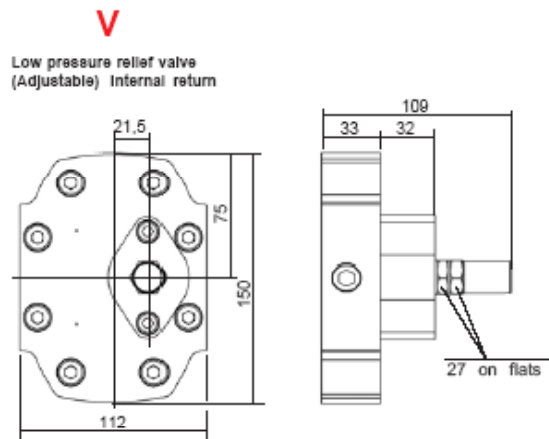
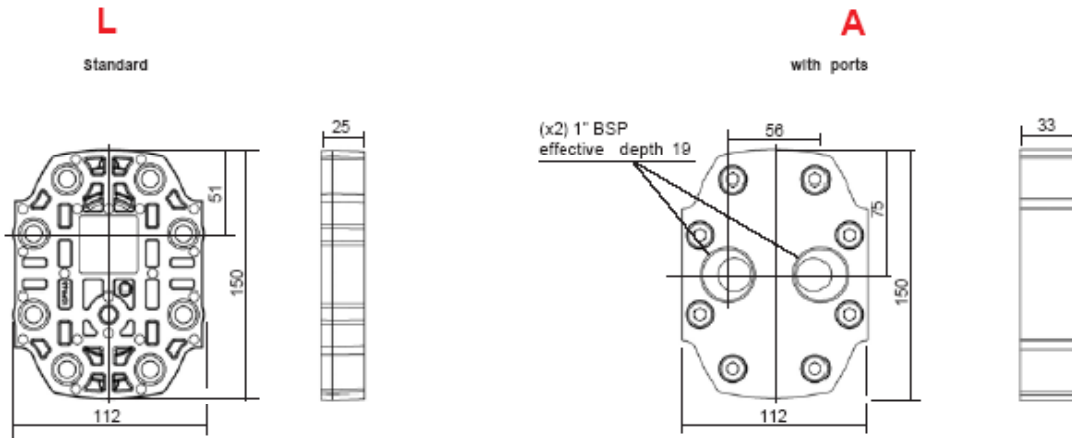
Capacity	INLET										OUTLET										AFFECTATION							
	A					B					A					B					1 way rotation without counter pressure		1 way rotation without counter pressure		2 ways rotation with counter pressure			
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1	M2	M5	M6	M3	M3		
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17								
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17											A	B	B	A	B	A		
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17																		
3025 to 3040	18	40		M8	16	27	51		M10	16											A	B	B	A	B	A		
3050 3060																												
3071 to 3100																												
3025 to 3040	Only with rear body Type A																											
3050 3060	Only with rear body Type A																											
3071 to 3100	Only with rear body Type A																											



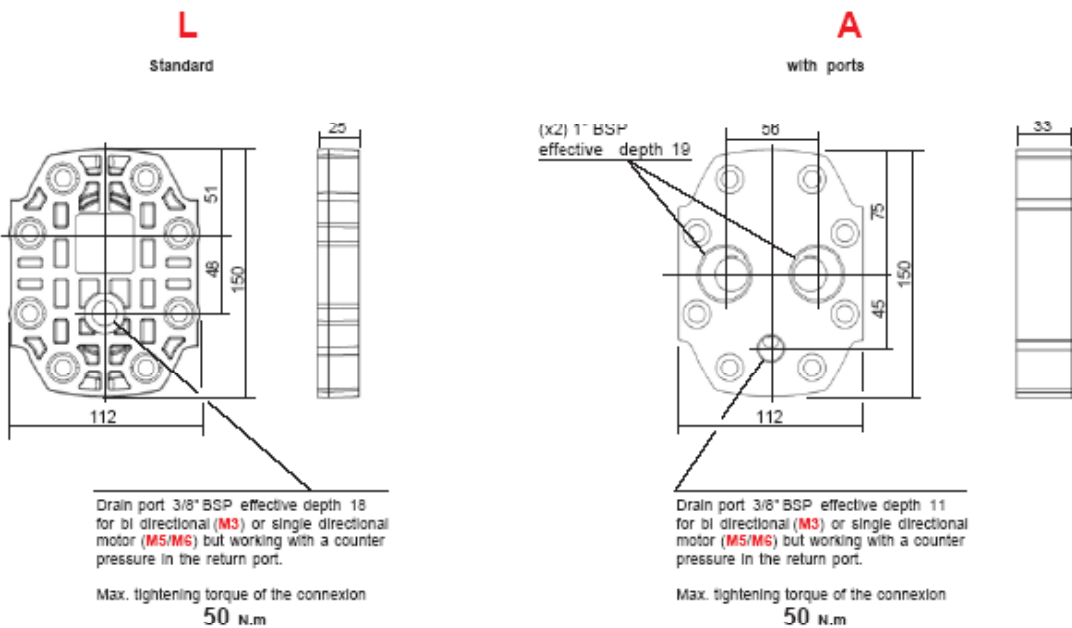
Consult us for availability

**SERIES 3 TYPE DBN**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



SERIES 3 TYPE DBN

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B03</b> Taper 1 / 8</p> <p>Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945</p> <p><b>Maxi transmissible torque</b> 530 N.m</p>	<p><b>A02</b></p> <p><b>Maxi transmissible torque</b> 290 N.m</p>	<p><b>A02</b></p> <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> 390 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 70 N.m</p>
<p><b>B04</b> Taper 1 / 8</p> <p>Delivered with Nut Ref.: K101877</p> <p><b>Maxi transmissible torque</b> 800 N.m</p>	<p><b>C04</b></p> <p><b>Maxi transmissible torque</b> 320 N.m</p>		
<p><b>C04</b> Taper 1 / 5</p> <p>Delivered with Nut Ref.: K101712</p> <p><b>Maxi transmissible torque</b> 750 N.m</p>			



Consult us for availability



**SERIES 3 TYPE DBK**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70

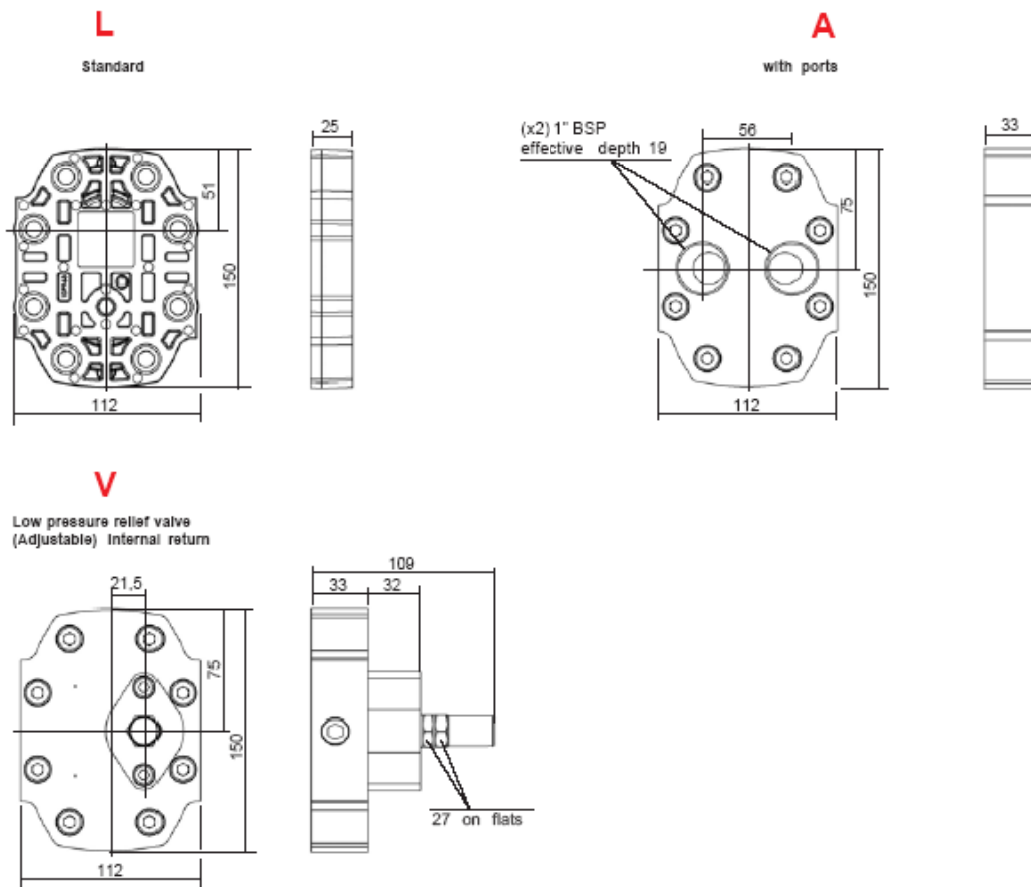
Capacity	INLET A		OUTLET B					AFFECTATION								
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure <b>M1</b>		2 ways rotation with counter pressure			
											INLET	OUTLET	INLET	OUTLET		
<b>H</b> (HPI)												1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure		
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17						
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17						
<b>B</b> (Italian)												1 way rotation without counter pressure <b>M5</b>		2 ways rotation with counter pressure <b>M3</b>		
3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A
3050 3060																
3071 to 3100																
<b>X</b> (without ports)												1 way rotation without counter pressure		2 ways rotation with counter pressure		
3025 to 3040	Only with rear body Type A															
3050 3060																
3071 to 3100																



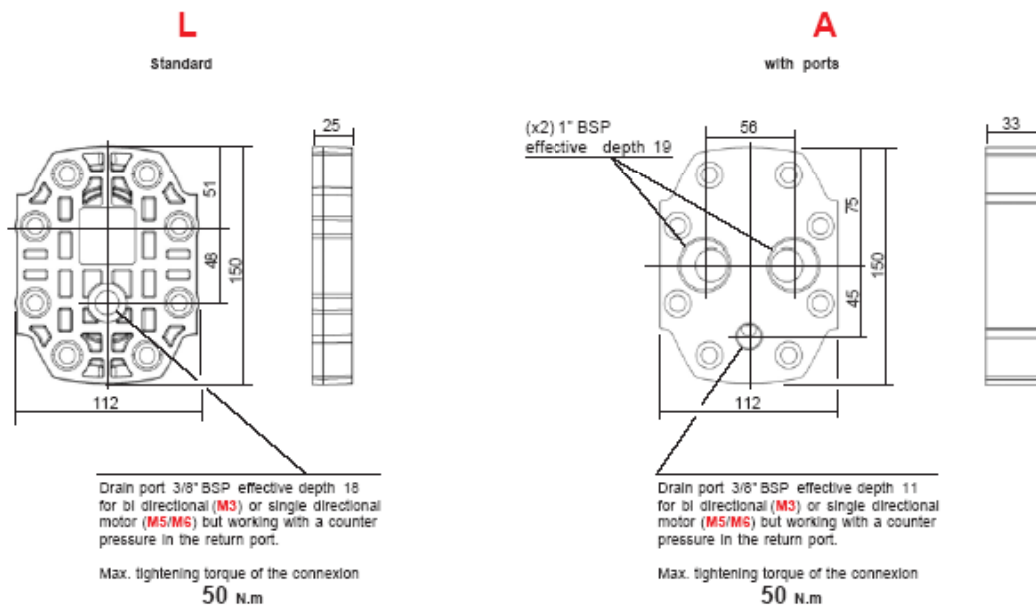
Consult us for availability

**SERIES 3 TYPE DBK**

**REAR BODIES for MOTORS M1 - M2**



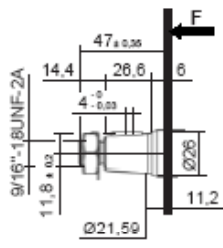
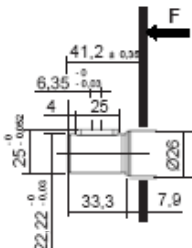
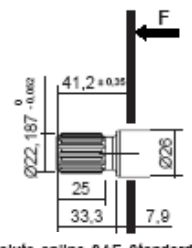
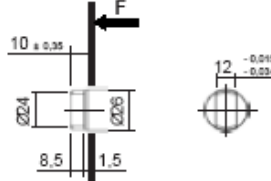
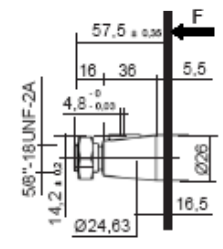
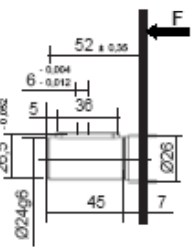
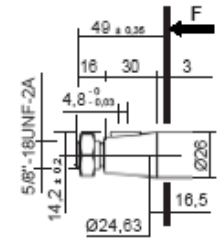
**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability

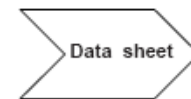
**SERIES 3 TYPE DBK**

**DRIVING SHAFTS**

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
<p><b>B03</b> Taper 1 / 8</p>  <p>Delivered with Nut and lockwasher Ref.: K100734 Ref.: K103945</p> <p><b>Maxi transmissible torque</b> <b>530 N.m</b></p>	<p><b>A02</b></p>  <p><b>Maxi transmissible torque</b> <b>290 N.m</b></p>	<p><b>A02</b></p>  <p>Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><b>Maxi transmissible torque</b> <b>390 N.m</b></p>	<p><b>C04</b></p>  <p><b>Maxi transmissible torque</b> <b>70 N.m</b></p>
<p><b>B04</b> Taper 1 / 8</p>  <p>Delivered with Nut Ref.: K101877</p> <p><b>Maxi transmissible torque</b> <b>800 N.m</b></p>	<p><b>C04</b></p>  <p><b>Maxi transmissible torque</b> <b>320 N.m</b></p>		
<p><b>C04</b> Taper 1 / 5</p>  <p>Delivered with Nut Ref.: K101712</p> <p><b>Maxi transmissible torque</b> <b>750 N.m</b></p>			



F.T 30 1456

**MOTORS PRESENTATION**  
**SERIES 3**- THICK FRONT BODYMOTOR **AAP**

F.T 30 1486

MOTOR **AAR**

F.T 30 1487

MOTOR **ABP**

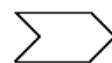
F.T 30 1488

MOTOR **ABR**

F.T 30 1489

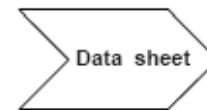


Consult us for availability

**JTEKT**  
**HPI**

- THICK FRONT BODY (rest)MOTOR **ADF**

F.T 30 1490

MOTOR **ADP**

F.T 30 1491

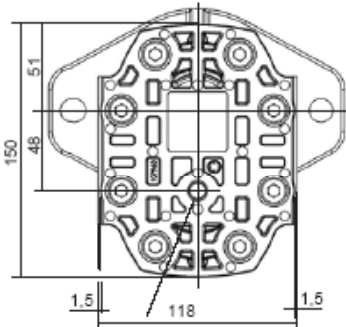
MOTOR **ADR**

F.T 30 1492

**SERIES 3 TYPE AAP**

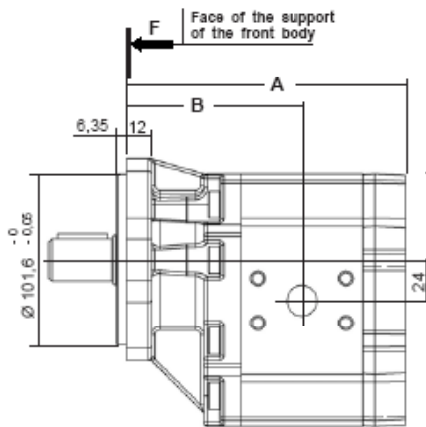
**M** II Sign **AA** **P 3** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

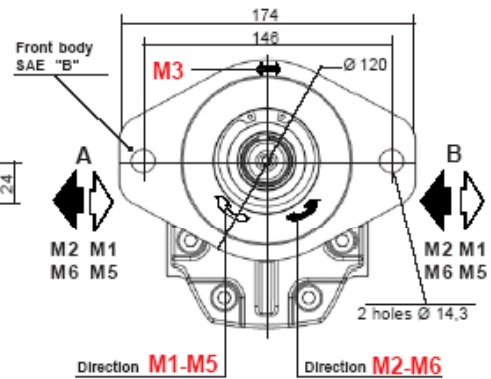


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



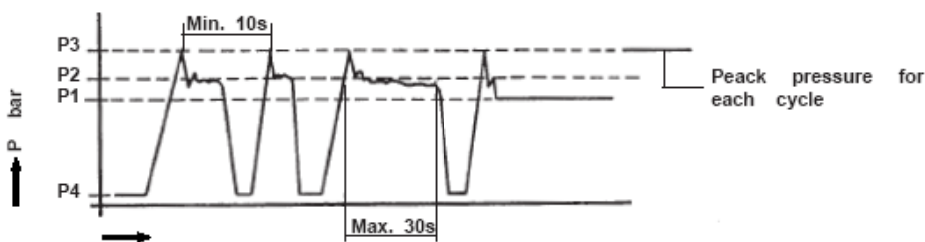
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507043 + K103765  
Viton: K507044 + K104156  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071073 + K103765  
Viton: K5071074 + K104156  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	1000 <sup>225 bar</sup>	2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



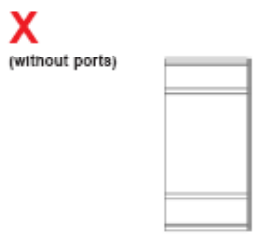
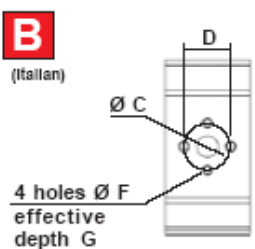
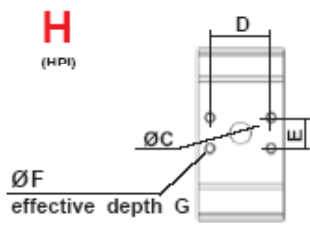
Consult us for availability



**SERIES 3 TYPE AAP**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70



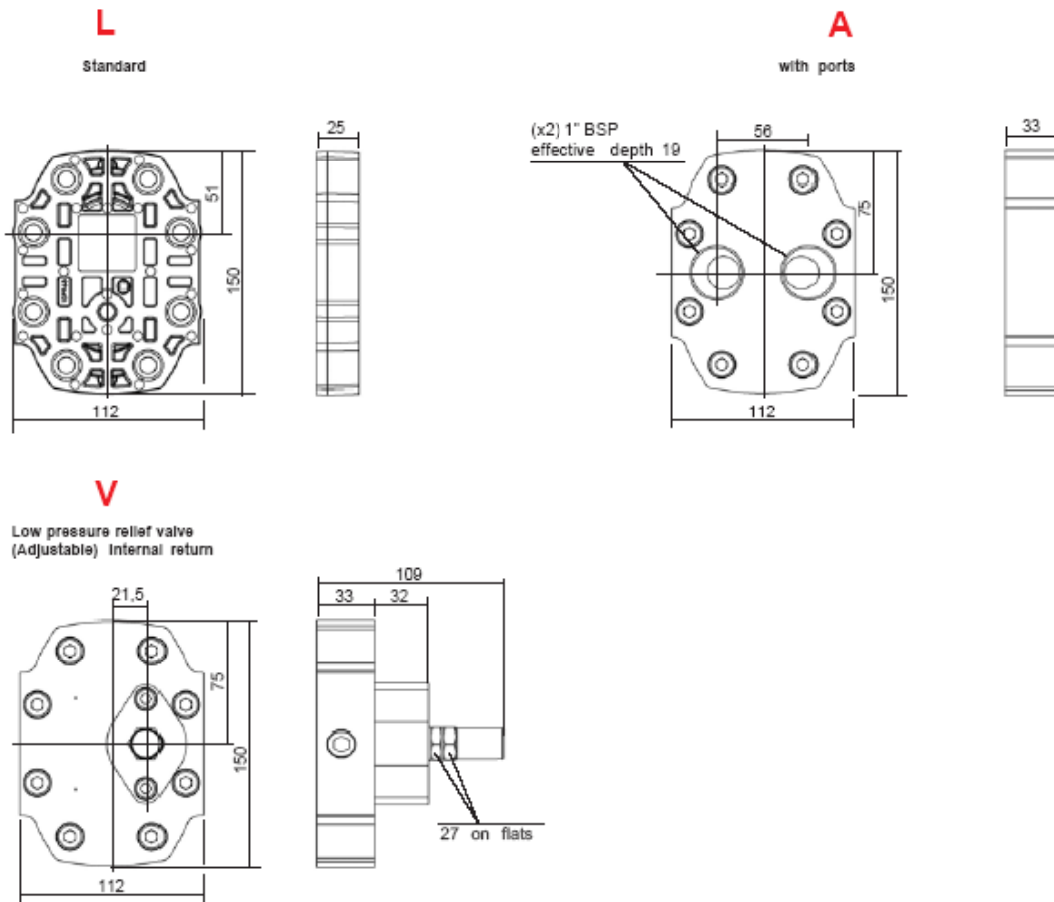
Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

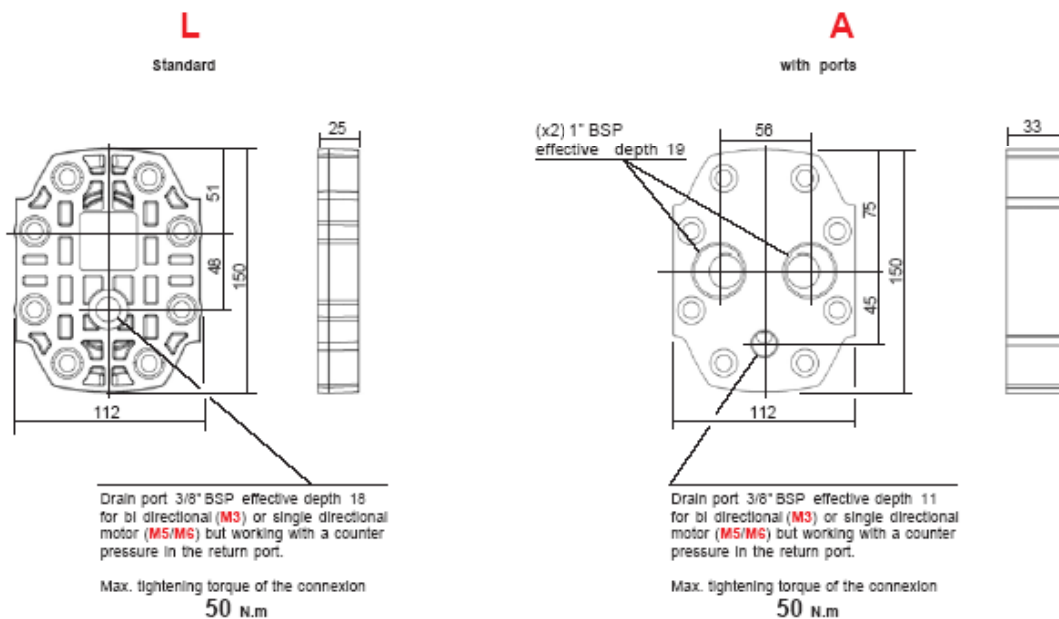
Consult us for availability

**SERIES 3 TYPE AAP**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



SERIES 3 TYPE AAP

DRIVING SHAFTS

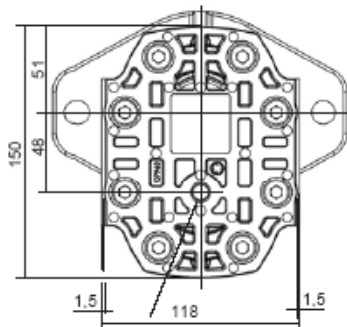
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>340 N.m</b></p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>500 N.m</b></p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>430 N.m</b></p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>310 N.m</b></p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>290 N.m</b></p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>490 N.m</b></p>	

**JTEKT**  
 Consult us for availability

**SERIES 3 TYPE AAR**

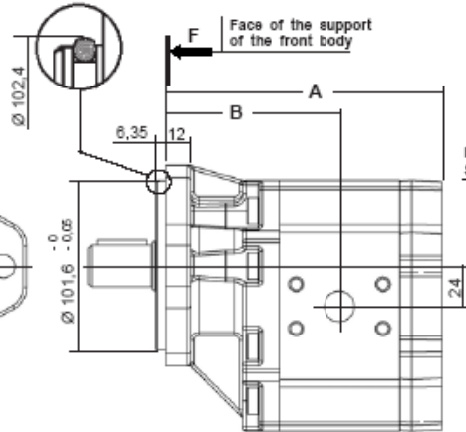
**M** II Sign **AA** **R** **3** I VI I Sign **H** **L** IX Sign X Sign IXI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

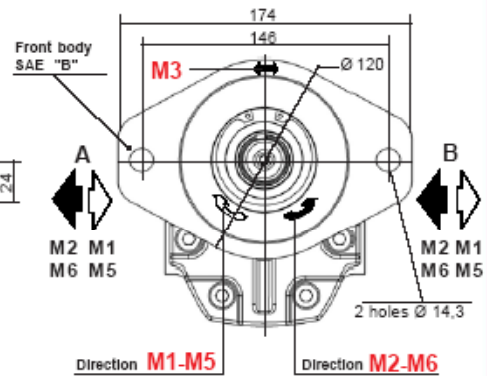


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



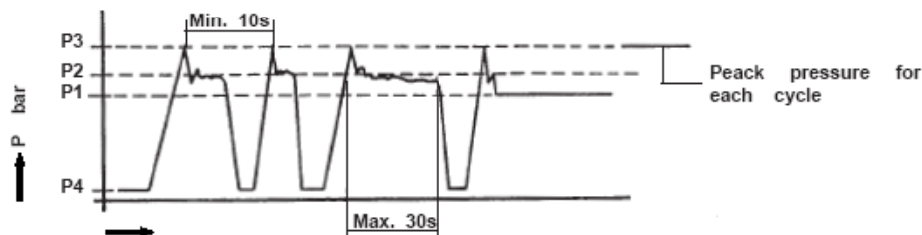
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

**Seal kits:**  
**M1 - M2**  
Nitrile: K507043 + K103765 + K107081  
Viton: K507044 + K104156 + K107045  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071073 + K103765 + K107081  
Viton: K5071074 + K104156 + K107045  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>3025</b>	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
<b>3031</b>	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	6,4
<b>3040</b>	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	6,5
<b>3050</b>	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	7,7
<b>3060</b>	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7,8
<b>3071</b>	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	8,3
<b>3080</b>	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	///	2500	8,4
<b>3090</b>	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	///	2000	8,6
<b>3100</b>	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	///	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



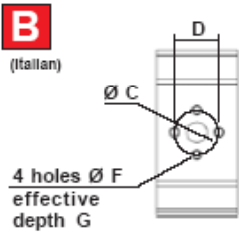
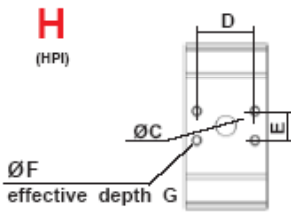
Consult us for availability



**SERIES 3 TYPE AAR**

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

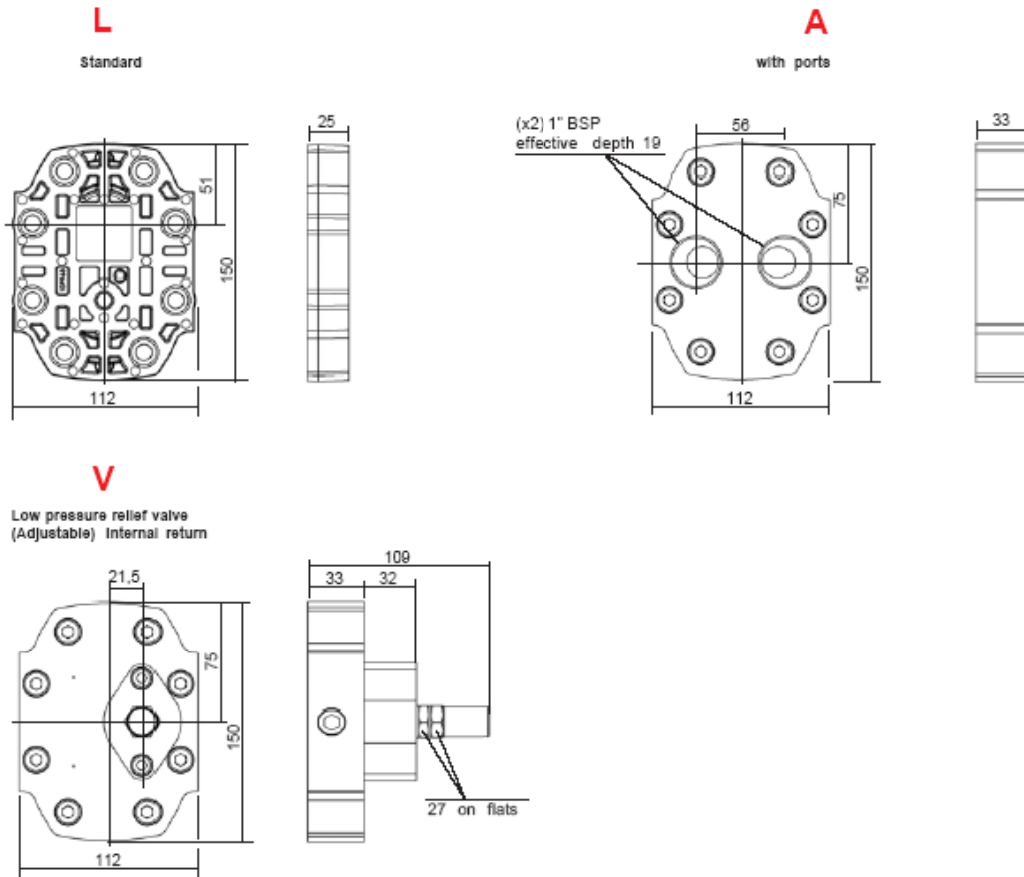
AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Consult us for availability

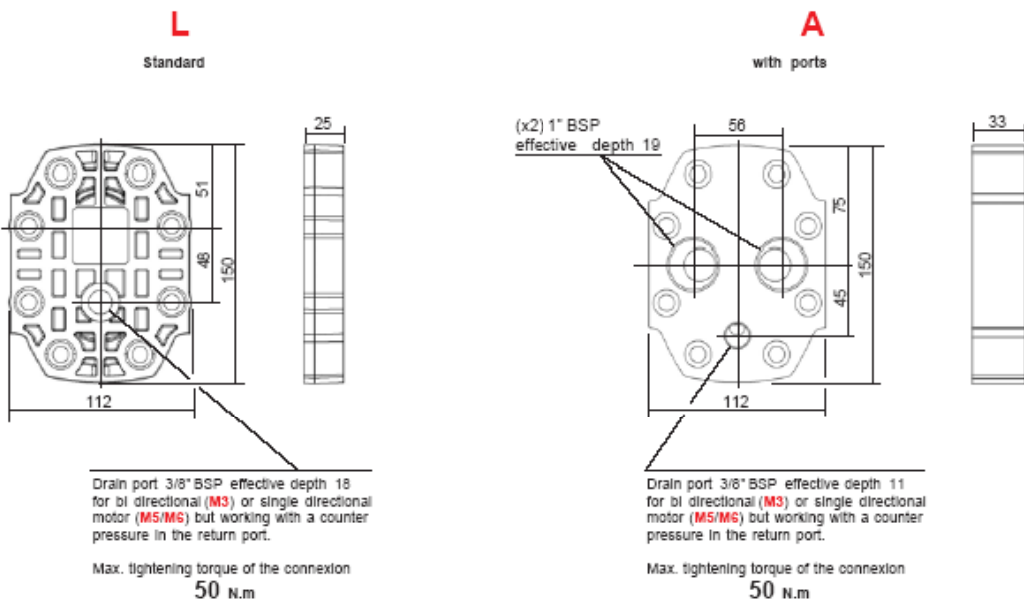


**SERIES 3 TYPE AAR**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability



SERIES 3 TYPE AAR

DRIVING SHAFTS

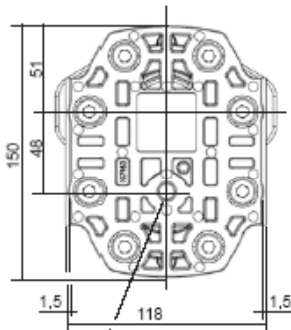
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>340 N.m</b></p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>500 N.m</b></p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>430 N.m</b></p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>310 N.m</b></p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>290 N.m</b></p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>490 N.m</b></p>	<p>Consult us for availability</p> <p><b>JTEKT</b></p>

**SERIES 3 TYPE ABP**



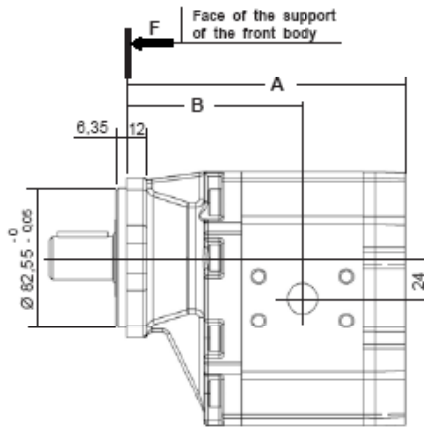
**M** II Sign **AB P** 3 VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

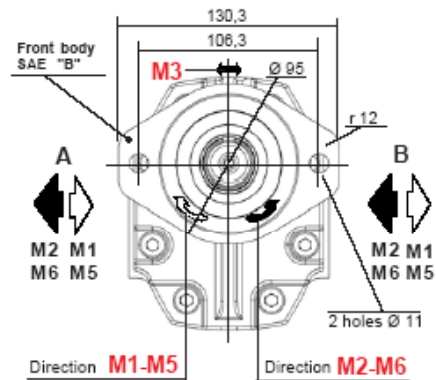


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



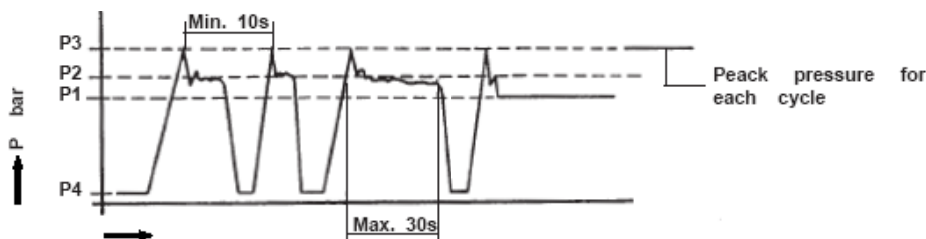
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

**Seal kits:**  
**M1 - M2**  
 Nitrile: K507043 + K103765  
 Viton: K507044 + K104156  
 (For the manufacturings from october 1991)  
**M3 - M5/M6**  
 Nitrile: K5071073 + K103765  
 Viton: K5071074 + K104156  
 (For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	1000 <sup>225 bar</sup>	2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	1000 <sup>225 bar</sup>	2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	1000 <sup>225 bar</sup>	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



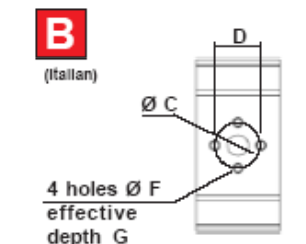
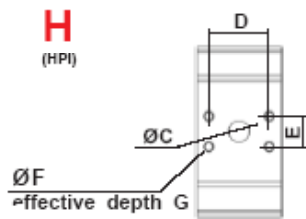
Consult us for availability



**SERIES 3 TYPE ABP**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70



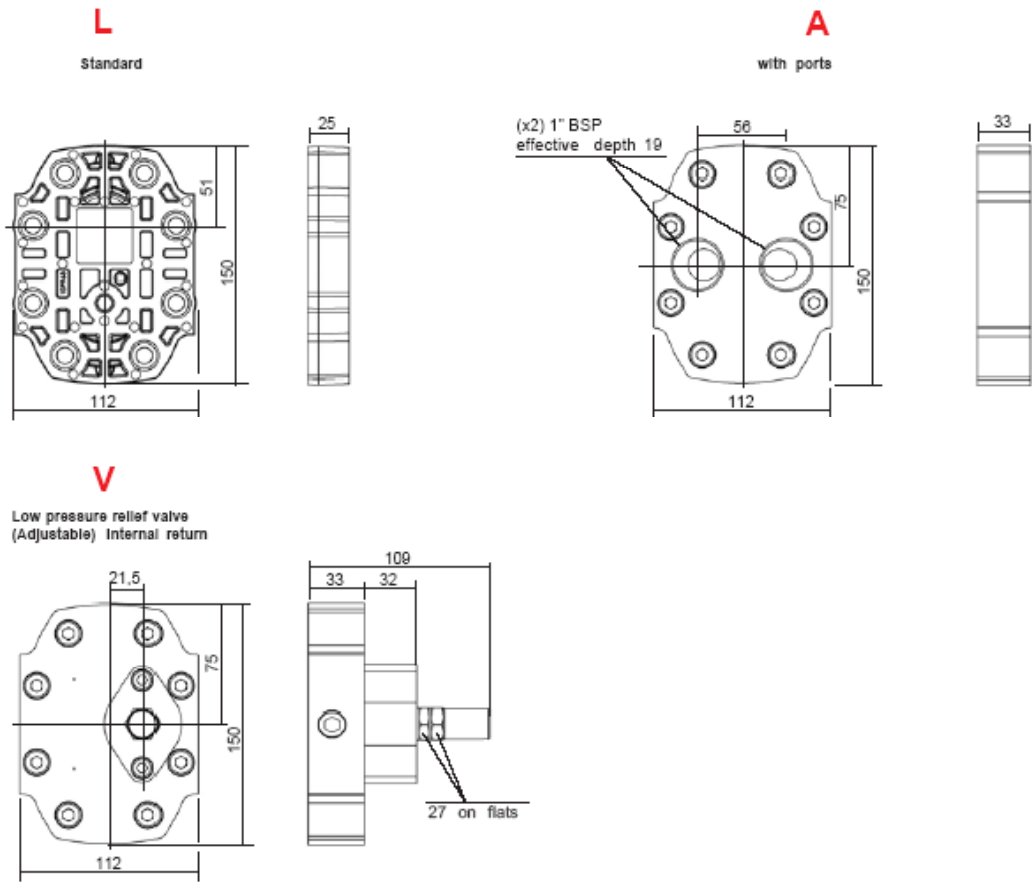
Capacity	INLET A					OUTLET B					AFFECTATION						
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>		
											INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17							
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A	
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17							
3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A	
3050 3060																	
3071 to 3100																	
3025 to 3040	Only with rear body Type A																
3050 3060																	
3071 to 3100																	



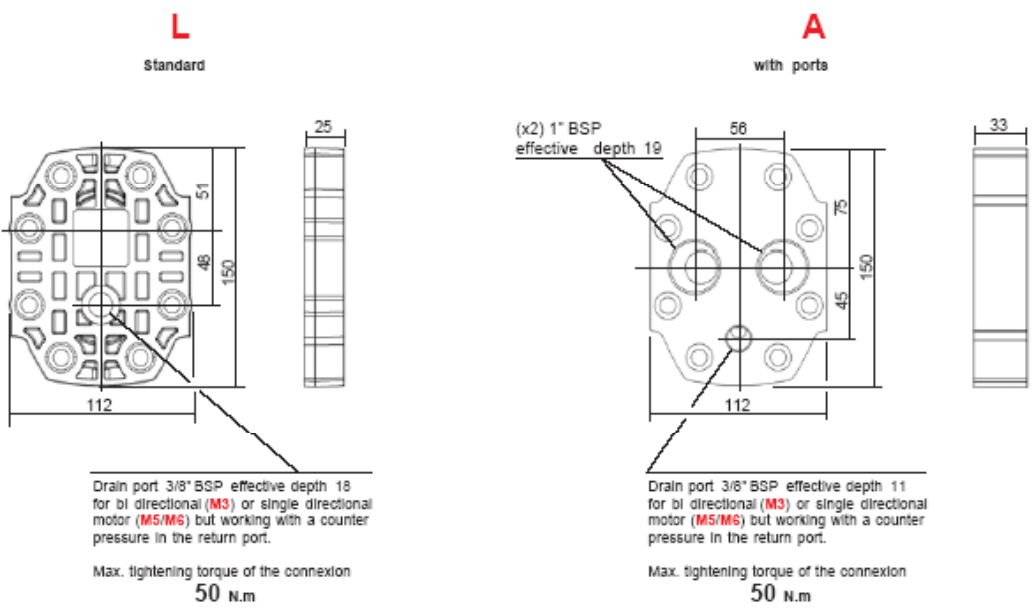
Consult us for availability

**SERIES 3 TYPE ABP**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability



SERIES 3 TYPE ABP

DRIVING SHAFTS

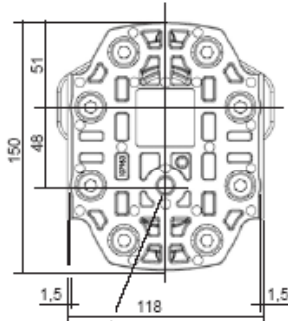
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>340 N.m</b></p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4- Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>500 N.m</b></p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>430 N.m</b></p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>310 N.m</b></p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> <b>290 N.m</b></p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> <b>490 N.m</b></p>	

Consult us for availability

SERIES 3 TYPE ABR

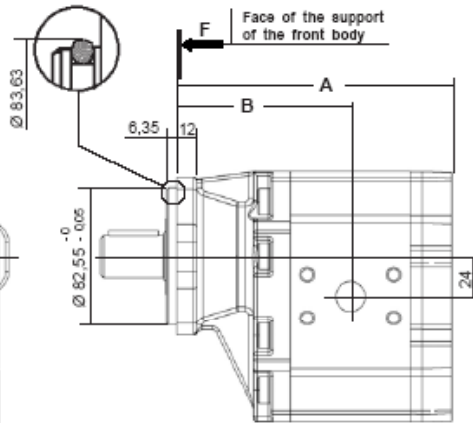


For CODIFICATION, see data sheet **F.T.R 0243**

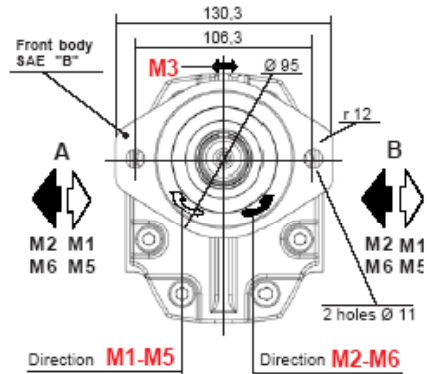


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



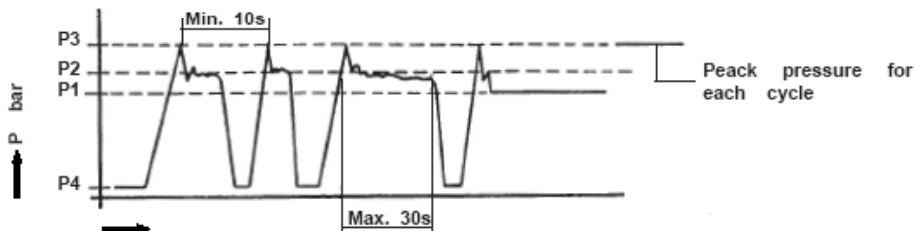
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Seal kits:  
**M1 - M2**  
Nitrile: K507043 + K103765 + K102901  
Viton: K507044 + K104156 + K104053  
(For the manufacturings from october 1991)  
**M3 - M5/M6**  
Nitrile: K5071073 + K103765 + K102901  
Viton: K5071074 + K104156 + K104053  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	/	2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	/	2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175 bar</sup>	/	2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150 bar</sup>	/	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



  Consult us for availability

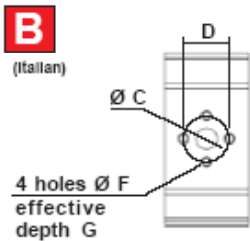
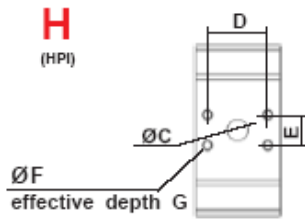


**SERIES 3 TYPE ABR**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70

	Capacity	INLET										OUTLET										AFFECTATION							
		A					B					A					B					1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>			
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET								
<b>H</b> (HPI)	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17																		
	3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A	B	A	B	A								
	3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17																		
<b>B</b> (Italian)	3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A	B	A										
	3050 3060																												
	3071 to 3100																												
<b>X</b> (without ports)	3025 to 3040	Only with rear body Type A																											
	3050 3060																												
	3071 to 3100																												

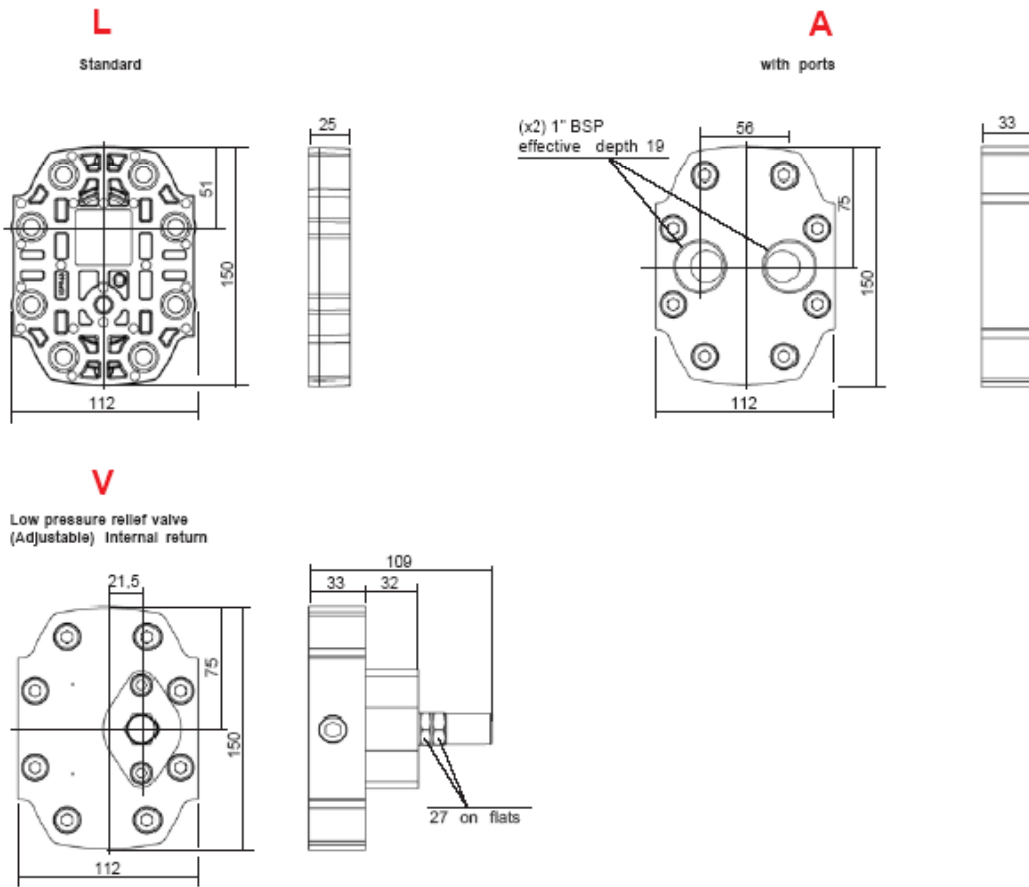


Consult us for availability

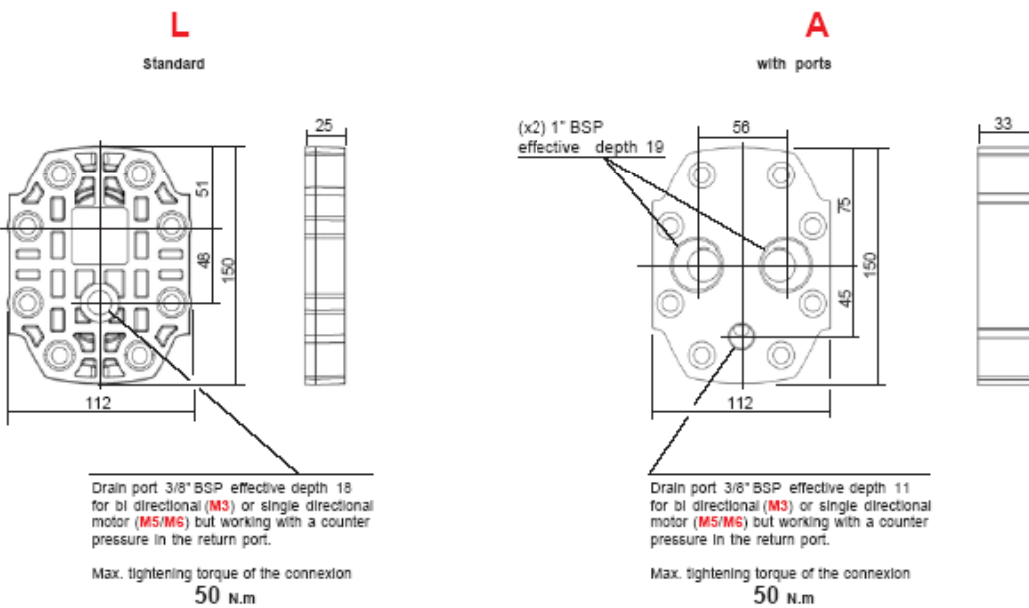


**SERIES 3 TYPE ABR**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability

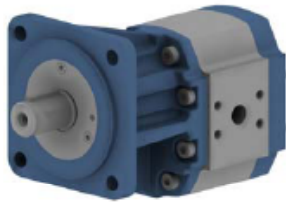


SERIES 3 TYPE ABR

DRIVING SHAFTS			
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 340 N.m</p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 500 N.m</p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 430 N.m</p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 310 N.m</p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p><u>Maxi transmissible torque</u> 290 N.m</p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p><u>Maxi transmissible torque</u> 490 N.m</p>	<p> Consult us for availability</p>

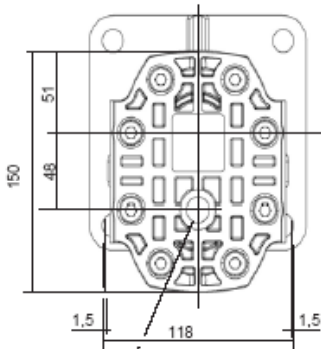


SERIES 3 TYPE ADF



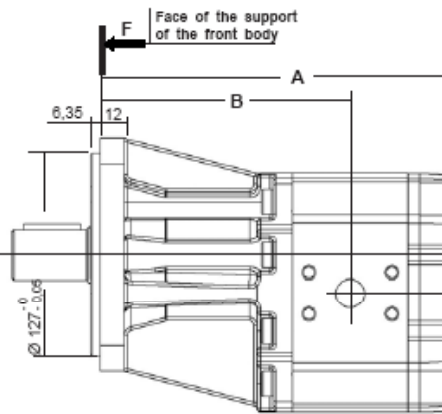
**M** II Sign **AD F 3** VI Sign **H L 2 0 A05** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

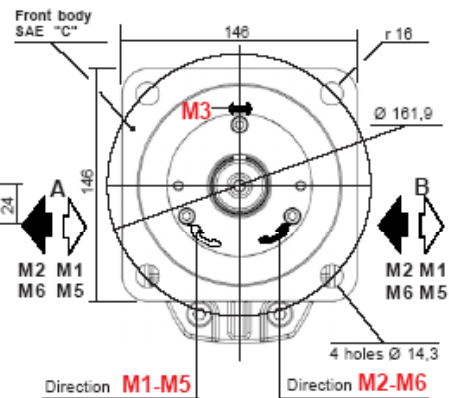


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	217,7	156,3
050 - 060	244,2	169,5
071 - 080 - 090 - 100	264,2	179,2

**Seal kits:**

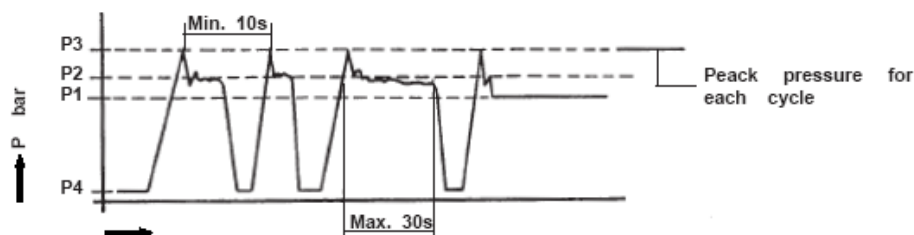
**M1 - M2**  
Nitrile: K507043 + K101419  
Viton: K507044 + K101508  
(For the manufacturings from october 1991)

**M3 - M5/M6**  
Nitrile: K5071073 + K101419  
Viton: K5071074 + K101508  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>3025</b>	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
<b>3031</b>	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225</sup> bar	3000	6,4
<b>3040</b>	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225</sup> bar	3000	6,5
<b>3050</b>	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225</sup> bar	3000	7,7
<b>3060</b>	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200</sup> bar	3000	7,8
<b>3071</b>	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	8,3
<b>3080</b>	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175</sup> bar	///	2500	8,4
<b>3090</b>	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175</sup> bar	///	2000	8,6
<b>3100</b>	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150</sup> bar	///	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



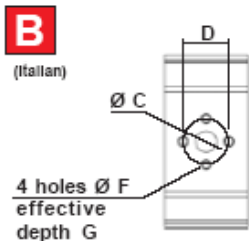
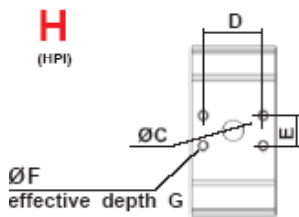
Consult us for availability



**SERIES 3 TYPE ADF**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70

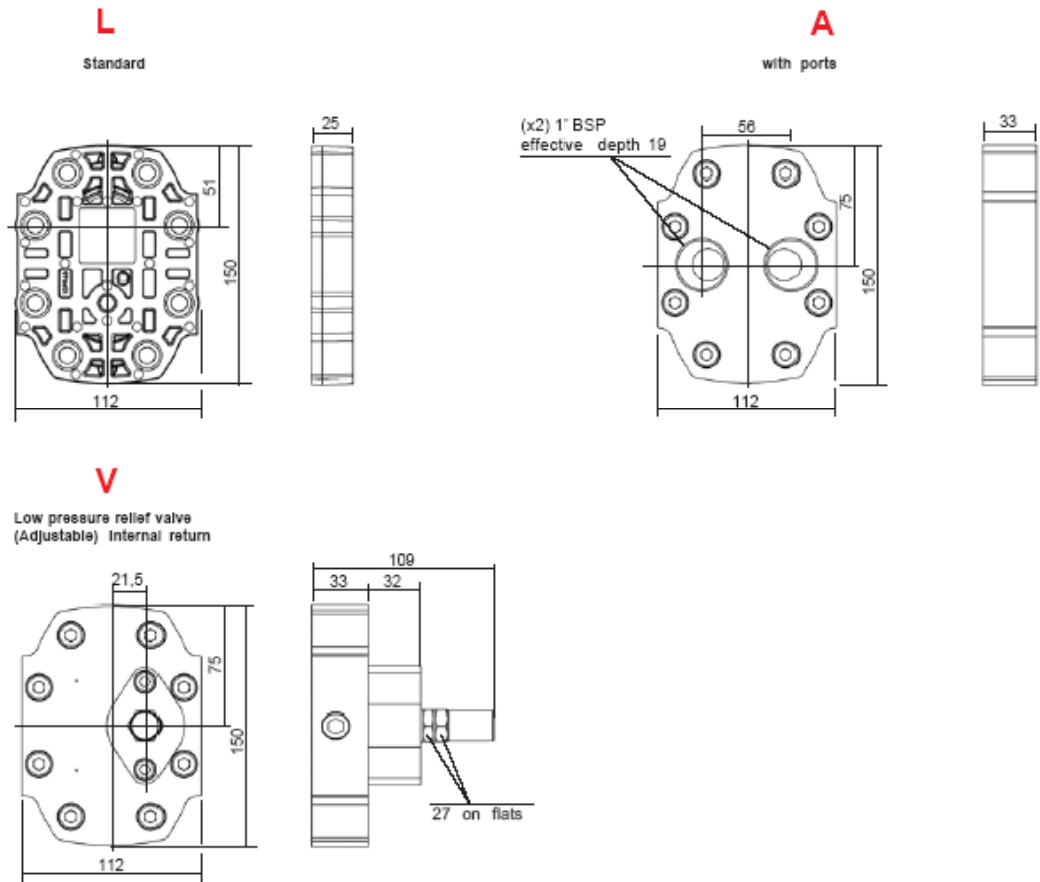


Capacity	INLET A					OUTLET B					AFFECTATION					
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>	
											INLET	OUTLET	INLET	OUTLET		
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17						
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17						
3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A
3050 3060																
3071 to 3100																
3025 to 3040	Only with rear body Type A															
3050 3060	Only with rear body Type A															
3071 to 3100	Only with rear body Type A															

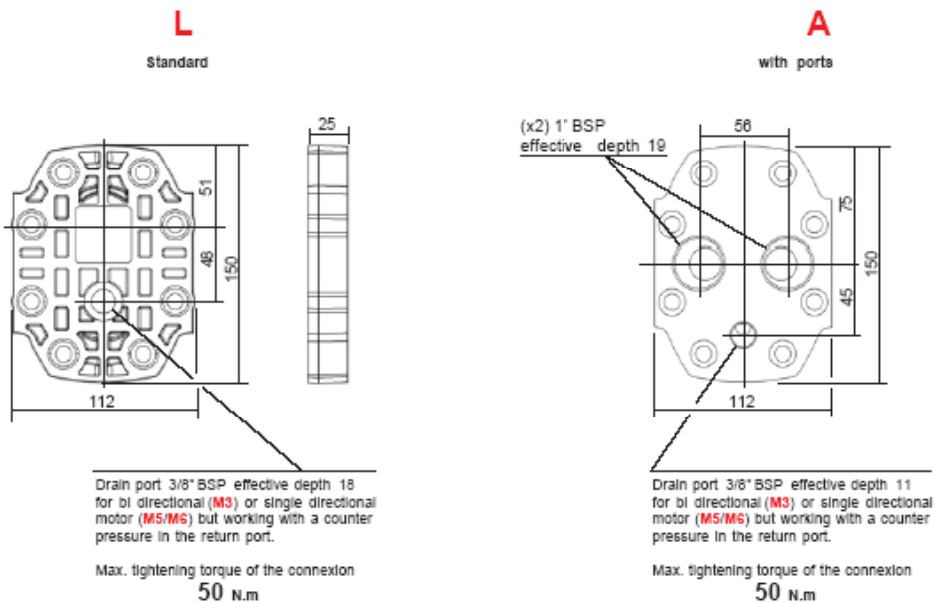
Consult us for availability

**SERIES 3 TYPE ADF**

**REAR BODIES for MOTORS M1 - M2**



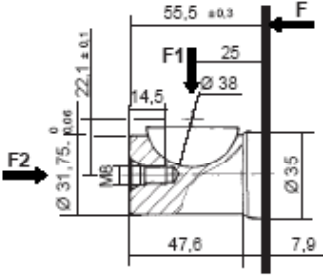
**REAR BODIES for MOTORS M3 - M5 - M6**



Consult us for availability

SERIES 3 TYPE ADF

DRIVING SHAFTS

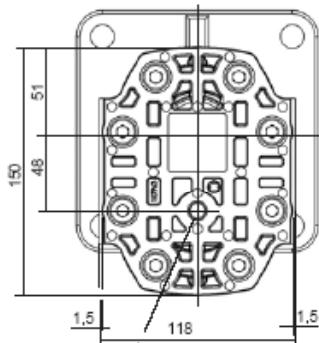
Tapered	Straight keyed	Splined	Tang
<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
	<p><b>A05</b></p>  <p>F1 Maxi : 320 daN F2 Maxi : 160 daN</p> <p><u>Maxi transmissible torque</u> 430 <u>N.m</u></p>		

**SERIES 3 TYPE ADP**



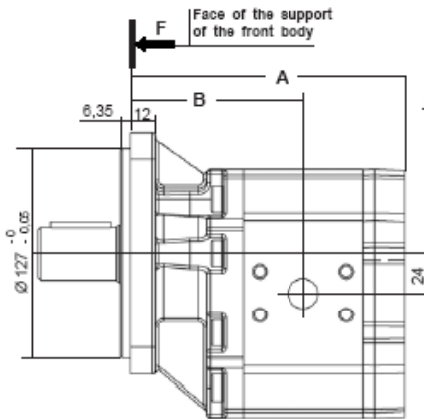
**M** II Sign **AD P 3** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

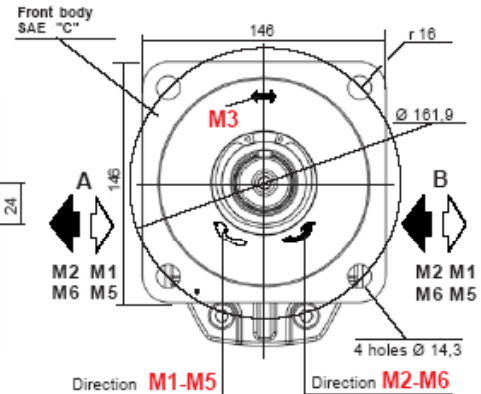


Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **50 N.m**



**PRESSURE at the DRAINING:**  
**1 bar MAXI (14,5 PSI)**



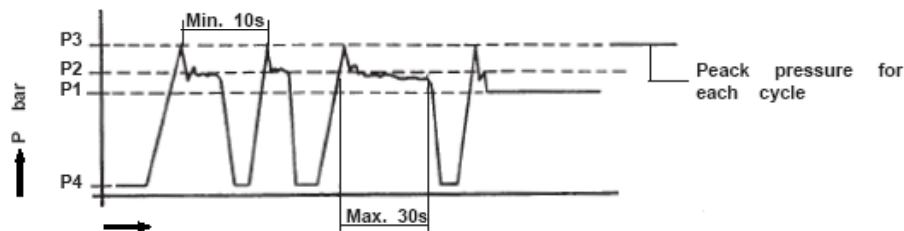
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

**Seal kits:**  
**M1 - M2**  
 Nitrile: K507043 + K103765  
 Viton: K507044 + K104156  
 (For the manufacturing from october 1991)  
**M3 - M5/M6**  
 Nitrile: K5071073 + K103765  
 Viton: K5071074 + K104156  
 (For the manufacturing from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
<b>3025</b>	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
<b>3031</b>	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225 bar</sup>	3000	6,4
<b>3040</b>	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225 bar</sup>	3000	6,5
<b>3050</b>	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225 bar</sup>	3000	7,7
<b>3060</b>	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200 bar</sup>	3000	7,8
<b>3071</b>	71	150	2175	175	2537	225	3262	2000	2300	500	800	800	2500	8,3
<b>3080</b>	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175 bar</sup>	800	2500	8,4
<b>3090</b>	90	100	1450	130	2175	175	2537	1500	1800	400	800	800 <sup>175 bar</sup>	2000	8,6
<b>3100</b>	100	100	1450	125	1812	175	2175	1500	1800	400	800	800 <sup>150 bar</sup>	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



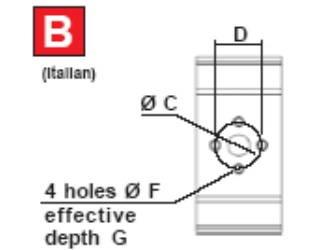
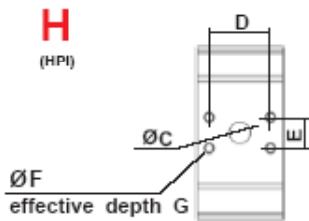
Consult us for availability



**SERIES 3 TYPE ADP**

**CHOICE of the IMPLANTATION of PORTS**

Port connector, see our Catalogue N° 70



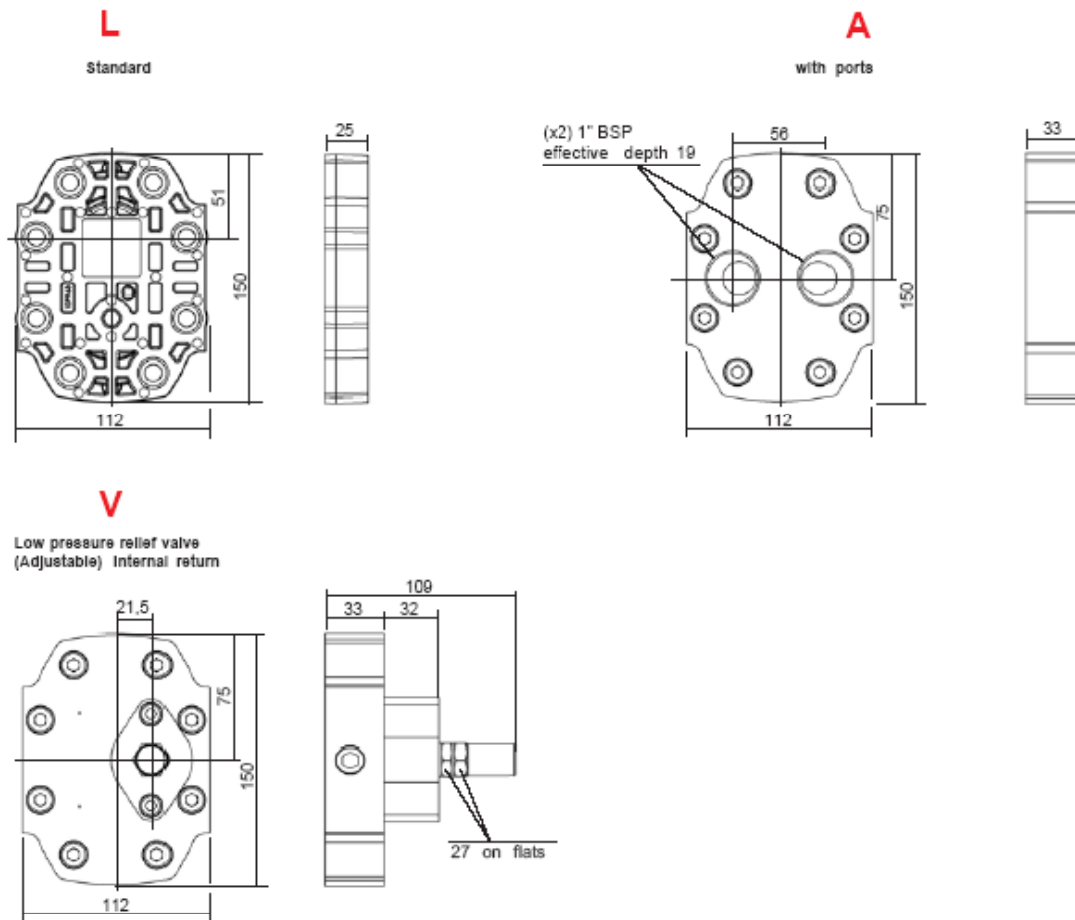
Capacity	INLET										OUTLET										AFFECTATION									
	A					B					A					B					1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>					
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET		
	A					B					M5					M6														
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17	A	B	B	A	B	A				
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17																				
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17																				
3025 to 3040	18	40		M8	16	27	51		M10	16						A	B	B	A	B	A									
3050 3060																														
3071 to 3100																														
3025 to 3040	Only with rear body Type A																													
3050 3060	Only with rear body Type A																													
3071 to 3100	Only with rear body Type A																													

Consult us for availability

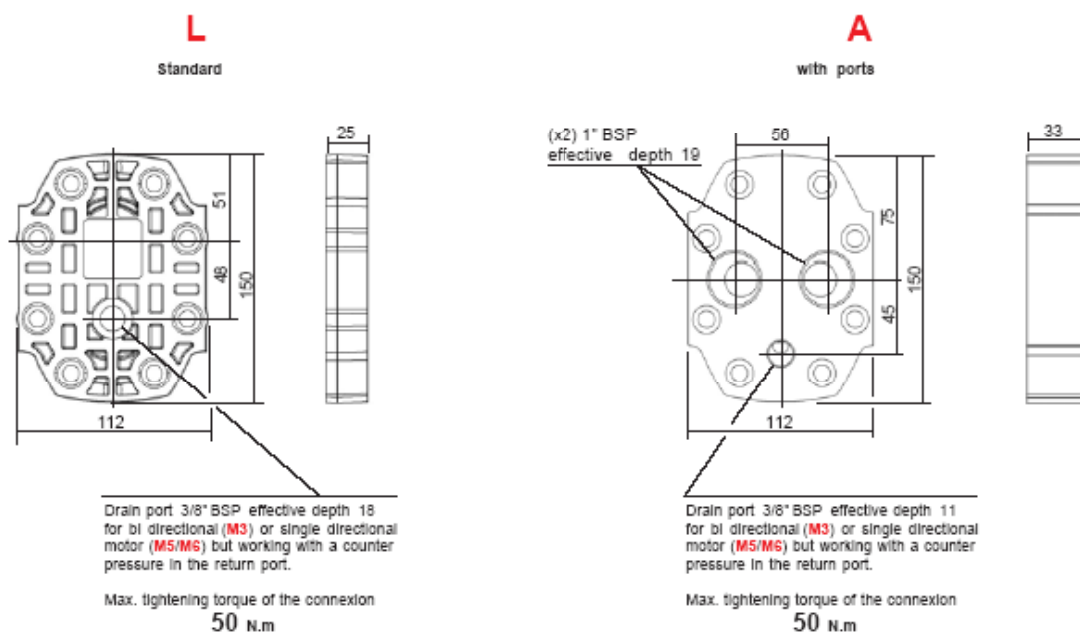


**SERIES 3 TYPE ADP**

**REAR BODIES for MOTORS M1 - M2**



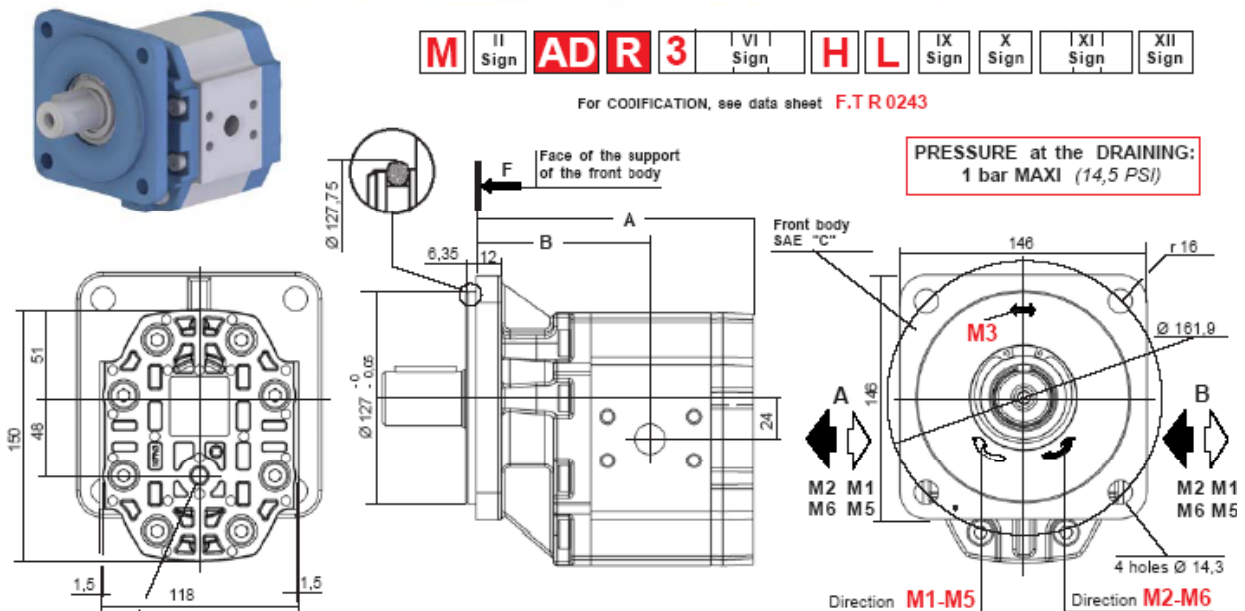
**REAR BODIES for MOTORS M3 - M5 - M6**



SERIES 3 TYPE ADP

DRIVING SHAFTS			
Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>340 N.m</b></p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>500 N.m</b></p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>430 N.m</b></p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>310 N.m</b></p>	
	<p><b>A07</b> SAF "R"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>290 N.m</b></p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>490 N.m</b></p>	<p>Consult us for availability</p>

SERIES 3 TYPE ADR



**M** II Sign **ADR 3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For COIFICATION, see data sheet **F.T.R 0243**

**PRESSURE at the DRAINING:**  
1 bar MAXI (14,5 PSI)

Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion  
**50 N.m**

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

**Seal kits:**

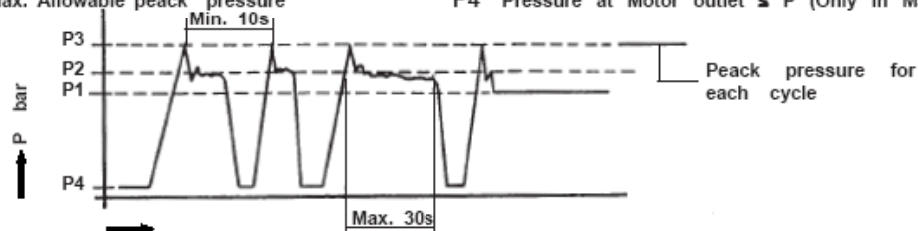
**M1 - M2**  
Nitrile: K507043 + K103765 + K107089  
Viton: K507044 + K104156 + K107090  
(For the manufacturings from october 1991)

**M3 - M5/M6**  
Nitrile: K5071073 + K103765 + K107089  
Viton: K5071074 + K104156 + K107090  
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 <sup>225</sup> bar	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 <sup>225</sup> bar	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 <sup>225</sup> bar	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 <sup>200</sup> bar	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800	///	2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 <sup>175</sup> bar	///	2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 <sup>175</sup> bar	///	2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 <sup>150</sup> bar	///	2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability



**SERIES 3 TYPE ADR**

**CHOICE of the IMPLANTATION of PORTS**

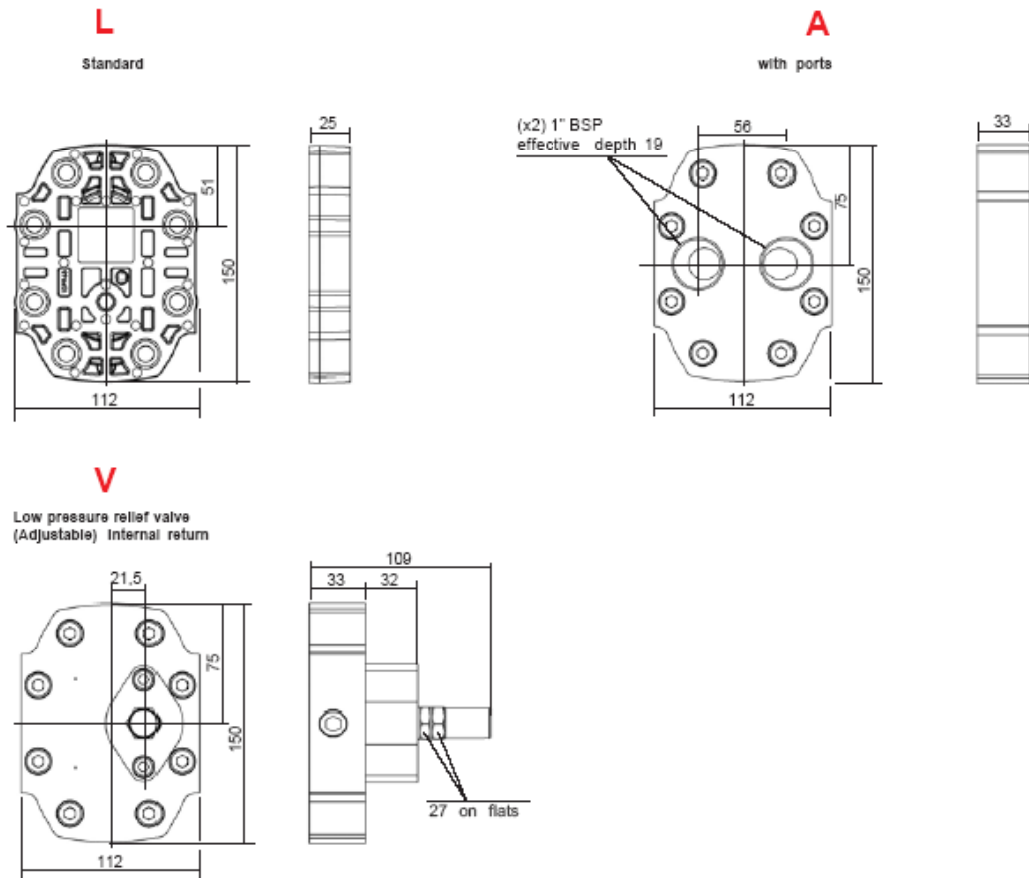
Port connector, see our Catalogue N° 70

Capacity	INLET A					OUTLET B					AFFECTATION						
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	1 way rotation without counter pressure <b>M1</b>		1 way rotation without counter pressure <b>M2</b>		2 ways rotation with counter pressure <b>M3</b>		
											INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
<b>H</b> (HPI)																	
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17							
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A	
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17							
<b>B</b> (Italian)																	
3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A	
3050 3060																	
3071 to 3100																	
<b>X</b> (without ports)																	
3025 to 3040	Only with rear body Type A																
3050 3060																	
3071 to 3100																	

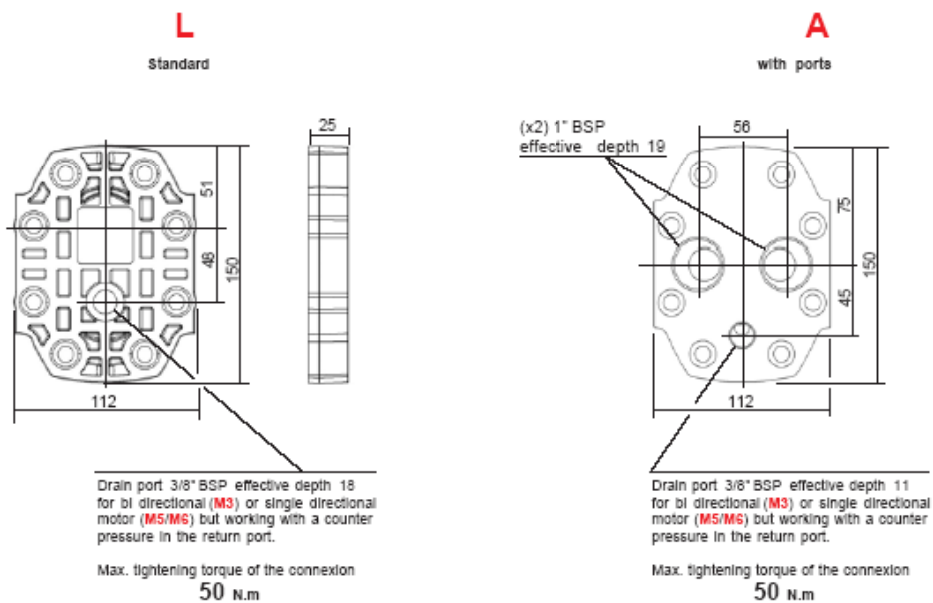
Consult us for availability


**SERIES 3 TYPE ADR**

**REAR BODIES for MOTORS M1 - M2**



**REAR BODIES for MOTORS M3 - M5 - M6**



 Consult us for availability

SERIES 3 TYPE ADR

DRIVING SHAFTS

Tapered <b>10</b>	Straight keyed <b>20</b>	Splined <b>30</b>	Tang <b>40</b>
	<p><b>A04</b> SAE "BB"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>340 N.m</b></p>	<p><b>A04</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "C" 14 teeth - 1" 1/4 - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>500 N.m</b></p>	
	<p><b>A05</b> SAE "C"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>430 N.m</b></p>	<p><b>A19</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "B" 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>310 N.m</b></p>	
	<p><b>A07</b> SAE "B"</p> <p>F1 = 140 daN F2 = 50 daN</p> <p>Maxi transmissible torque <b>290 N.m</b></p>	<p><b>A20</b></p> <p>F1 = 120 daN F2 = 50 daN</p> <p>Involute spline to SAE "BB" 15 teeth - 1" - Diametral Pitch 16/32 30° Pressure angle</p> <p>Maxi transmissible torque <b>490 N.m</b></p>	

Consult us for availability **JTEKT**  
**HPI**