OIL SOLUTIONS

PO Box 38
Strathfieldsaye, VIC, 3551
1800 OIL SOL
1800 645 765
sales@oilsolutions.com.au
www.oilsolutions.com.au
"For All Your Hydraulic Needs"

ronzio
OLEODINAMICA

POMPE E MOTORI IN ALLUMINIO SERIE Z1

ALUMINIUM PUMPS AND MOTORS Z1 SERIES

Caratteristiche principali

- ♦ Coperchi in ghisa e in alluminio
- ♦ Possibilità di funzionare ad alte pressioni: fino a 300 bar di pressione massima in funzionamento continuo.
- ♦ Compensazione assiale per il recupero dei giochi
- ♦ Alto rendimento volumetrico: 95% medio.
- ♦ Ampia disponibilità di cilindrate: 0.8 -1.1-1.6-2.1-2.6-3.2-3.7-4.2-4.8-5.5 6.2-7.8-8.8 -10.5 cm^3/giro
- ♦ Corpo in alluminio estruso
- ♦ Progetto accurato del profilo del dente per avere una bassa rumorosità.
- ♦ Vasta gamma di flange, alberi e connessioni compatibili con i principali standard del mercato.
- ♦ Disponibilità di guarnizioni per alte temperature
- ♦ Pompe e motori unidirezionali
- ♦ Pompe e motori bidirezionali
- ♦ Possibilità di montaggio di pompe multiple sia nelle serie in alluminio che con altre serie in ghisa prodotte dalla Ronzio Oleodinamica

Main Features

- ♦ *Cast iron and alloy covers*
- ♦ *High pressure option: up to 300 bar max. continuous pressure (4350 psi)*
- ♦ *Axial compensation achieved using pressure balanced bushing blocks.*
- ♦ *High volumetric efficiency: average 95%*
- ♦ *Wide range of capacities : 0.8 -1.1-1.6-2.1-2.6-3.2-3.7-4.2-4.8-5.5 6.2-7.8-8.8 -10.5 cm^3/rev*
- ♦ *Extruded aluminium body*
- ♦ *Gear tooth profile accurately projected providing low noise operation.*
- ♦ *A wide variety of shafts, flanges and ports are available to meet specific application requirements.*
- ♦ *High-temperature seals available.*
- ♦ *Single rotational pumps and motors.*
- ♦ *Bi-rotational pumps and motors.*
- ♦ *Multiple pumps availability: tandem pumps are possible both in aluminium series and with other cast iron series produced by Ronzio Oleodinamica*

CONDIZIONI PER L'UTILIZZO DELLE POMPE E MOTORI "Z1"
CONDITIONS OF USE FOR PUMPS AND MOTORS "Z1"

Nell'utilizzo della pompa evitare carichi radiali e assiali sull'albero.
Il giunto di trascinamento deve compensare eventuali errori di allineamento , deve essere di tipo elastico oppure di tipo Oldham.
Per un corretto funzionamento e una lunga durata della pompa, osservare i valori riportati nella tabella seguente.

Avoid radial and axial loads on the pump shaft during the use.
The pump must be in line with the P.T.O. to compensate misalignment errors, use flexible or "Oldham" coupling.
We recommend to read the specifications in this catalogue very carefully. This will help you in getting the best, in terms of working conditions and life, from Ronzio gear pumps.

CONDIZIONI DI L'UTILIZZO
USE CONDITIONS

Fluidi idraulici ***Hydraulic fluids***	Oli idraulici a base minerale (DIN 51524) Per utilizzo di fluidi non infiammabili come acqua e glicole , emulsione di olio in acqua,o esteri fosforici, contattare il nostro ufficio tecnico o commerciale *Mineral oil (DIN 51524)* *For use with fire resistant fluids like water glycol, water- oil emulsion and phosphate-esters, contact our technical or commercial office.*

Pressione in aspirazione ***Inlet pressure***	0.7 - 3 bar (Assoluti / Absolute) *10 - 44 psi (Assoluti / Absolute)*
Velocità olio nella linea di aspirazione ***Oil speed on suction line***	0.5 ÷ 1.5 m/s
Velocità olio nella linea di mandata ***Oil speed on pressure line***	6 ÷ 10 m/s
Temperatura olio ***Oil temperature***	-10°C ÷ 80°C
Viscosità olio ***Oil viscosity***	20 ÷ 120 mm^2 / s (Cst)
Massima viscosità olio all'avvio ***Max starting viscosity***	700 mm^2 / s (Cst)

Filtraggio olio ***Oil filtration***	**Pressione** ***Pressure***	**< 200 bar**	**> 200 bar**
	Classe di contaminazione NAS 1638 *Contamination class NAS 1638*	10	9
	Classe di contaminazione ISO 4406 *Contamination class ISO 4406*	19/16	18/15
	Rapporto ßx ≥ 75 Ratio ßx ≥ 75	25µm	10µm

FORMULE PER DIMENSIONAMENTO
DETERMINATION OF NOMINAL SIZE

PER POMPE
FOR PUMP

$$Q = \frac{V * \eta v * n}{1000}$$

$$M = \frac{p * V}{62.8 * \eta m}$$

$$P = \frac{p * Q}{600 * \eta t}$$

PER MOTORI
FOR MOTOR

$$Q = \frac{V * n}{1000 * \eta v}$$

$$M = \frac{p * V * \eta m}{62.8}$$

$$P = \frac{p * Q * \eta t}{600}$$

V [cm^3]
Q [l/min]
p [bar]
M [Nm]
n [min^{-1}]
P [Kw]

ηv = EFF vol. ≥ 95
ηm = EFF mecc. ~ 0.85

ηt = ηv * ηm. ~ 0.8

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CARATTERISTICHE PRINCIPALI
MAIN CHARACTERISTICS

FLANGIA E COPERCHI IN ALLUMINIO / *ALLOY COVER AND FLANGE*															
Tipo *Type*		**08**	**11**	**16**	**21**	**26**	**32**	**37**	**42**	**48**	**55**	**62**	**78**	**88**	**105**
Cilindrata *Capacity*	Cm^3 / giro Cm^3 / rev	0.80	1.08	1.59	2.09	2.59	3.15	3.68	4.19	4.79	5.49	6.2	7.81	8.82	10.5
P1 Pressione max continua *Max working pressure*	Bar	240	240	240	240	230	210	210	190	180	170	150	130	120	100
P2 Pressione intermittente *intermittent pressure*	Bar	260	260	250	250	250	240	230	210	200	180	160	140	130	120
P3 Pressione max di picco *Max peak pressure*	Bar	280	280	280	280	280	270	260	240	230	210	190	170	160	130
Velocità max per pressione P1 *Max speed for P1 pressure*	Giri / min Rpm	6000	6000	6000	6000	5500	4500	4000	3800	3500	3500	3000	3000	3000	3000
Velocità max a vuoto *Max speed without load*	Giri / min Rpm	8000	8000	8000	8000	8000	7000	6000	5500	5000	4500	4500	4000	4000	4000
Velocità min. per pressione P1 *Min speed for P1 pressure*	Giri / min Rpm	1100	1100	950	800	700	600	500	450	400	400	400	400	400	400

FLANGIA E COPERCHI IN GHISA / *CAST IRON COVER AND FLANGE*															
Tipo *Type*		**08**	**11**	**16**	**21**	**26**	**32**	**37**	**42**	**48**	**55**	**62**	**78**	**88**	**105**
Cilindrata *Capacity*	Cm^3 / giro Cm^3 / rev	0.80	1.08	1.59	2.09	2.59	3.15	3.68	4.19	4.79	5.49	6.2	7.81	8.82	10.5
P1 Pressione max continua *Max working pressure*	Bar	300	300	300	300	300	300	275	260	260	140	230	190	170	140
P2 Pressione intermittente *Intermittent pressure*	Bar	320	320	320	320	320	320	290	275	275	250	240	200	180	160
P3 Pressione max di picco *Max peak pressure*	Bar	350	350	350	350	350	350	310	290	290	270	260	220	200	170
Velocità max per pressione P1 *Max speed for P1 pressure*	Giri / min Rpm	8000	8000	8000	7000	5700	4700	4400	4000	3600	3400	3200	3000	3000	3000
Velocità max a vuoto *Max speed without load*	Giri / min Rpm	8000	8000	8000	8000	8000	7000	6000	5500	5000	4500	4500	4000	4000	4000
Velocità min. per pressione P1 *Min speed for P1 pressure*	Giri / min Rpm	1500	1200	1000	800	650	550	450	400	350	300	250	200	200	150

Per alberi tipo D, N, Q, P, S e R le prestazioni sono maggiori di quelle indicate in tabella. Per maggiori informazioni contattare il nostro ufficio tecnico.

The performance of pumps with shaft D, N, Q, P, S and R are higher than the above table. Please contact our technical office for more information.

Per pompe o motori bidirezionali , diminuire la pressione del 15%
With bidirectional pumps or motors , pressure is reduced by 15%

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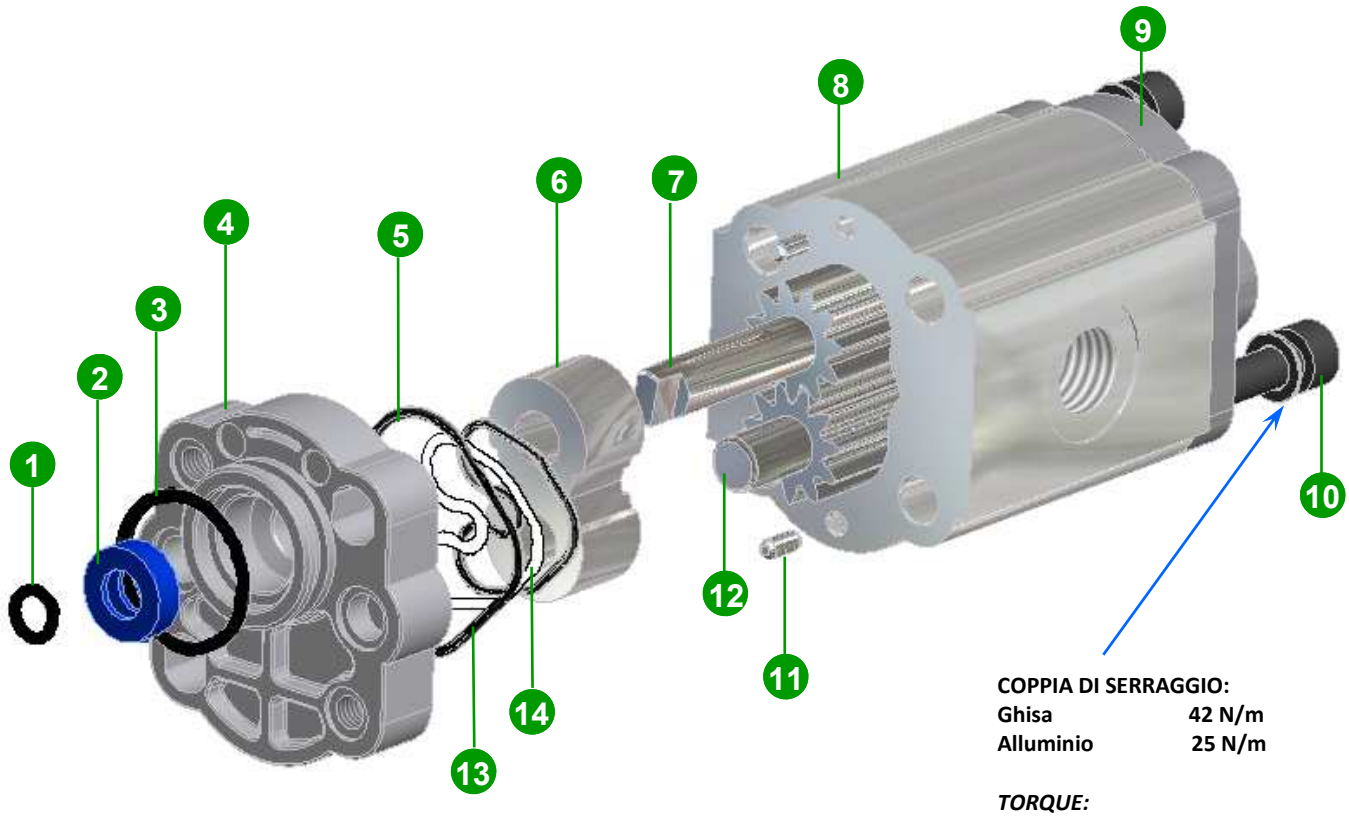
COMPONENTI

PARTS



COPPIA DI SERRAGGIO:

Ghisa	**42 N/m**
Alluminio	**25 N/m**

TORQUE:

Cast iron	***42 N/m***
Aluminium	***25 N/m***

Rif.	Descrizione	Description	Qt.
1	OR Mandata	Outlet seal	1
2	Anello di tenuta	*Rotary shaft seal*	1
3	OR Flangia	*Flange seal*	1
4	Flangia	*Front flange*	1
5	Guarnizione sotto-coperchio	*Under cover seal*	2
6	Rasamento	*Bushing block*	2
7	Ingranaggio conduttore	*Drive gear*	1
8	Corpo	*Housing*	1
9	Coperchio	*Cover*	1
10	Vite	*Bolt*	2
11	Spina cilindrica	*Pin*	4
12	Ingranaggio condotto	*Idle gear*	1
13	Guarnizione di compensazione	*Compensation seal*	2
14	Antiestrusore	*Seal against extruding*	2

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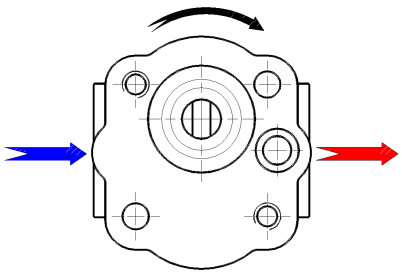
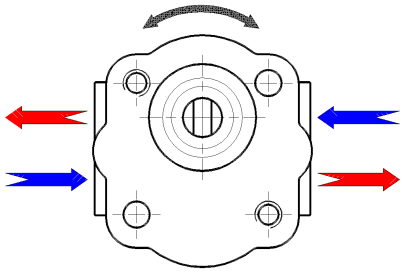
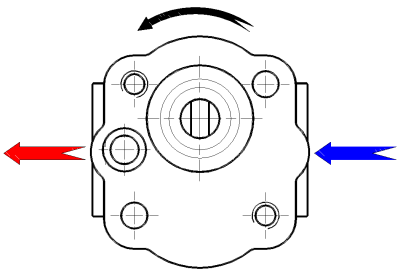
SENSO DI ROTAZIONE
ROTATION



Rotazione destra *Clockwise rotation*	Codice *Code*	D



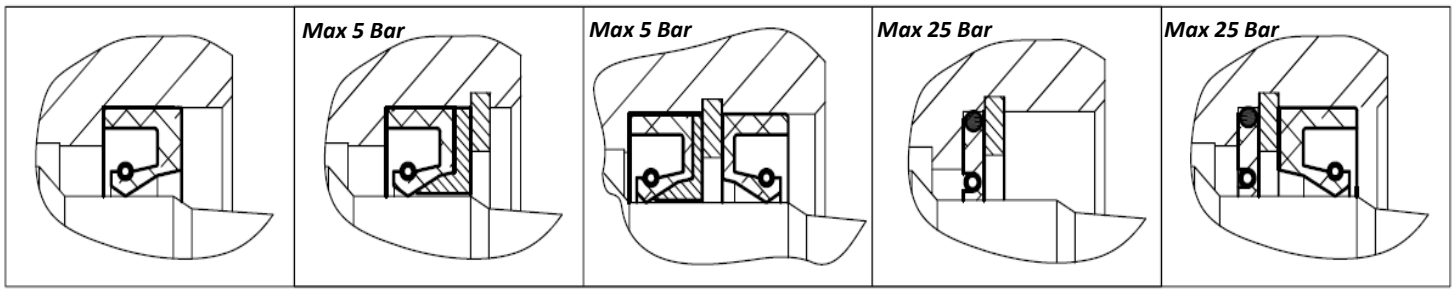
Rotazione bidirezionale drenaggio esterno Bidirectional rotation with external drain	Codice *Code*	R*
Rotazione bidirezionale drenaggio interno Bidirectional rotation with internal drain	Codice *Code*	Y



Rotazione sinistra *Anti-Clockwise rot.*	Codice *Code*	S

Il senso di rotazione, è indicato con una freccia sul corpo della pompa .
Rotation, is indicated by an arrow on the body of the pump.

GUARNIZIONI PER ALBERI
SHAFT SEALS



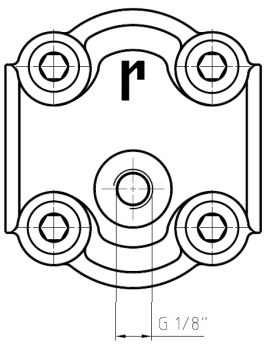
Codice *Code*	N	NBR
	V	VITON

Codice *Code*	R*	NBR
	RV	VITON

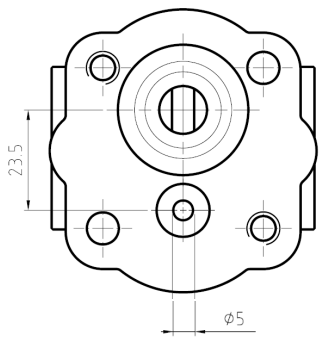
Codice *Code*	N2	NBR
	V2	VITON

Codice *Code*	B	//

Codice *Code*	BN	NBR
	BV	VITON



Drenaggio posteriore per pompe o motori reversibili *Rear drain for bidirectional pumps or motors*	R*



Drenaggio anteriore per pompe o motori reversibili *Front drain for pumps or motors*	R1

* il codice "R" comprende rotazione bidirezionale, paraolio rinforzato 5 bar e drenaggio posteriore
Code "R" includes bidirectional rotation, reinforced shaft seal 5 bar and rear drain

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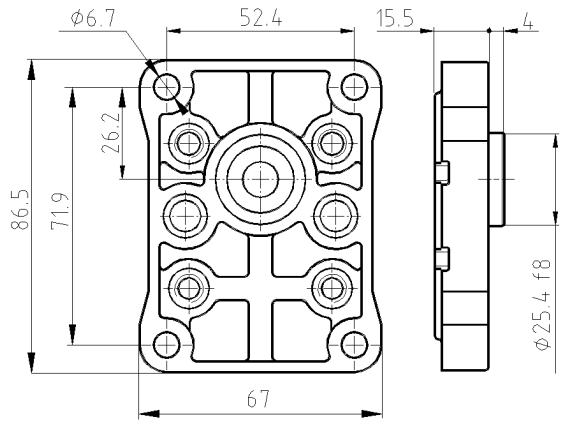
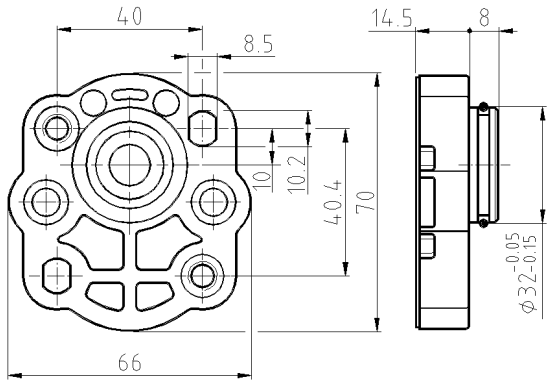
FLANGE

FLANGES



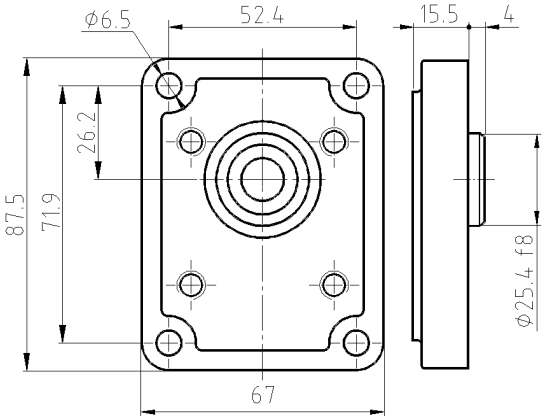
CODICE *CODE*	A	0	4

NOTA : Materiale Alluminio
NOTE : Material Alloy



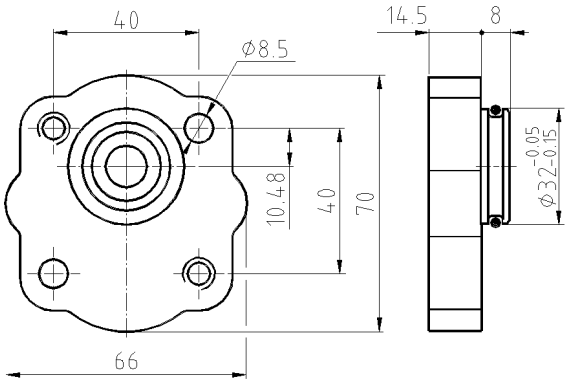
CODICE *CODE*	B	0	1

NOTA : Materiale Alluminio
NOTE : Material Alloy



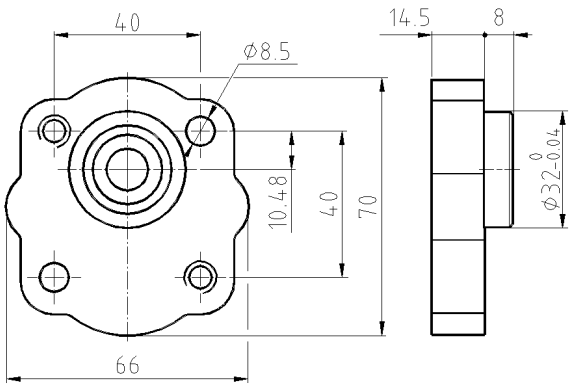
CODICE *CODE*	A	G	4

NOTA : Materiale Ghisa
NOTE : Material cast iron



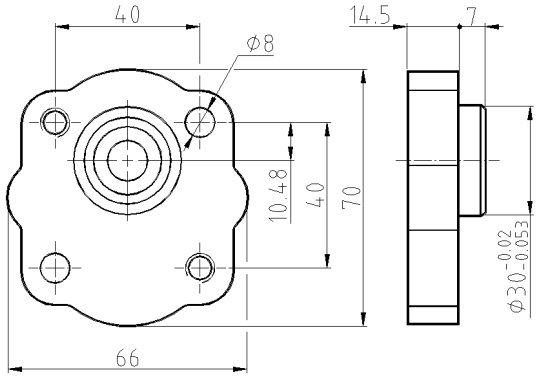
CODICE *CODE*	B	G	1

NOTA : Materiale Ghisa
NOTE : Material cast iron



CODICE *CODE*	B	G	5

NOTA : Materiale Ghisa
NOTE : Material cast iron



CODICE *CODE*	B	G	2

NOTA : Materiale Ghisa
NOTE : Material cast iron

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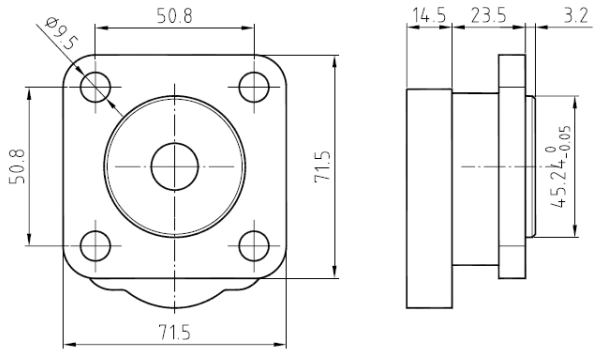
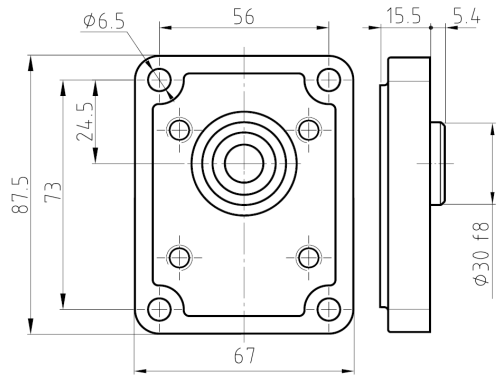
FLANGE

FLANGES



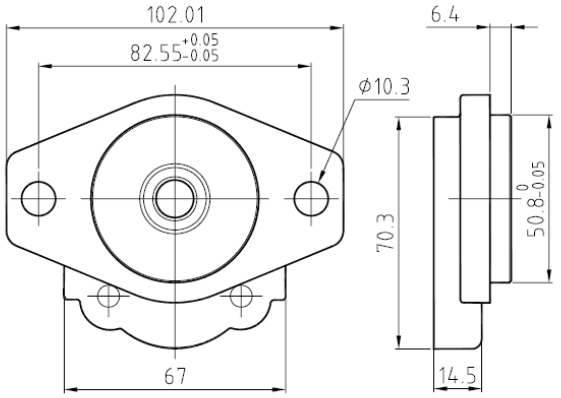
CODICE *CODE*	D	G	7

NOTA : Materiale Ghisa
NOTE : Material cast iron



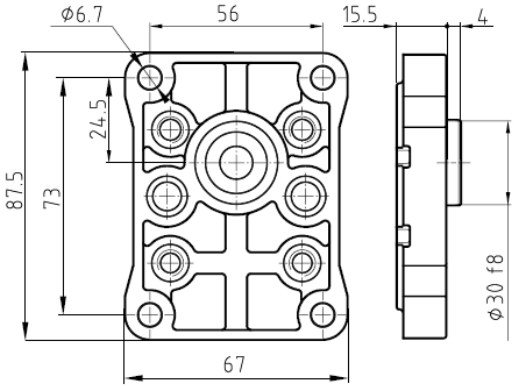
CODICE *CODE*	E	G	2

NOTA : Materiale Ghisa
NOTE : Material cast iron



CODICE *CODE*	C	G	6

NOTA : Materiale Ghisa
NOTE : Material cast iron



CODICE *CODE*	E	0	2

NOTA : Materiale Ghisa
NOTE : Material cast iron

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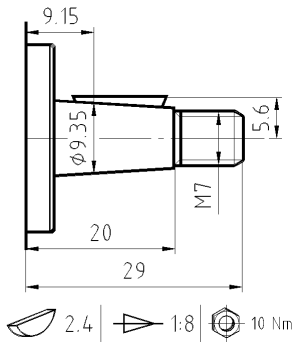
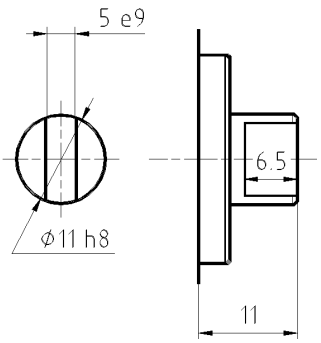


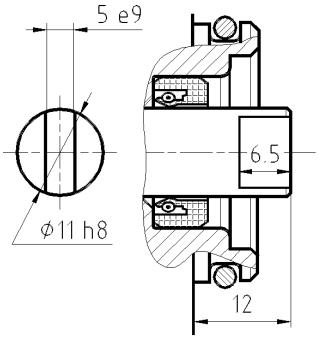
Coppia max 36 Nm
Max torque 36 Nm

CODICE / *CODE*	C		
PER FLANGIA / FOR *FLANGE*	A	G	4
	A	0	4



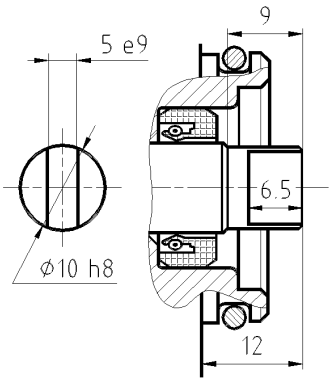
Coppia max 24 Nm
Max torque 24 Nm

CODICE / *CODE*	F		
PER FLANGIA / FOR *FLANGE*	A	G	4
	A	0	4



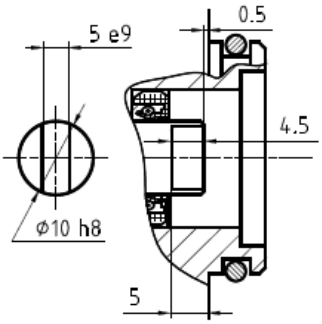
Coppia max 24 Nm
Max torque 24 Nm

CODICE / *CODE*	F		
PER FLANGIA / FOR *FLANGE*	B	G	1
	B	0	1



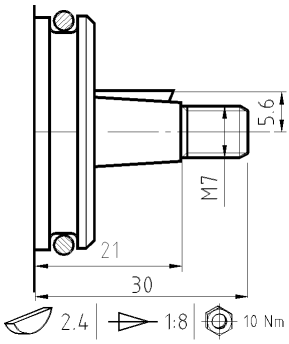
Coppia max 18 Nm
Max torque 18 Nm

CODICE / *CODE*	M		
PER FLANGIA / FOR *FLANGE*	B	G	1
	B	0	1



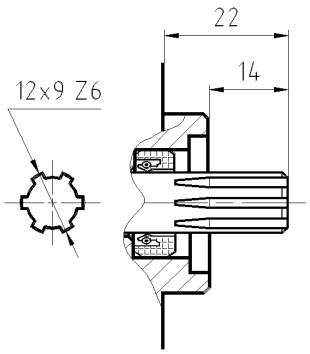
Coppia max 18 Nm
Max torque 18 Nm

CODICE / *CODE*	G		
PER FLANGIA / FOR *FLANGE*	B	G	1
	B	0	1



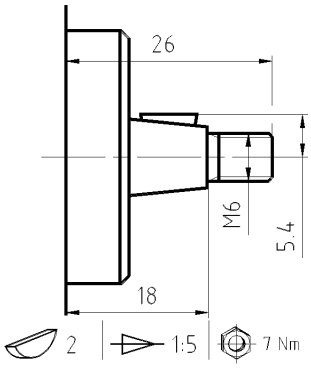
Coppia max 36 Nm
Max torque 36 Nm

CODICE / *CODE*	C		
PER FLANGIA / FOR *FLANGE*	B	G	1
	B	0	1



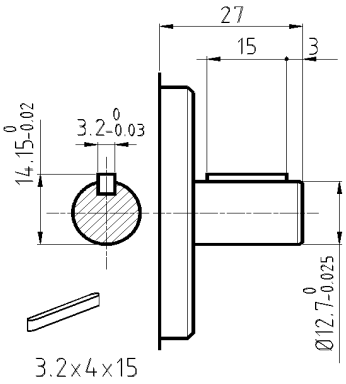
Coppia max 38 Nm
Max torque 38 Nm

CODICE / *CODE*	D		
PER FLANGIA / FOR *FLANGE*	B	G	5
	B	0	5



Coppia max 30 Nm
Max torque 30 Nm

CODICE / *CODE*	B		
PER FLANGIA / FOR *FLANGE*	B	G	5
	B	0	5



Coppia max 28 Nm
Max torque 28 Nm

CODICE / *CODE*	N		
PER FLANGIA / FOR *FLANGE*	C	G	6

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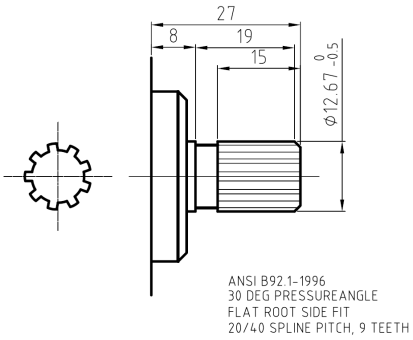
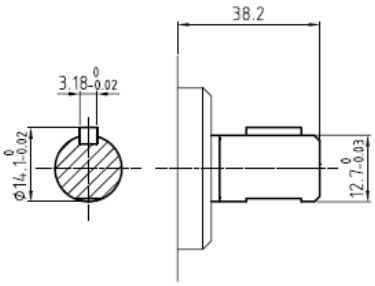


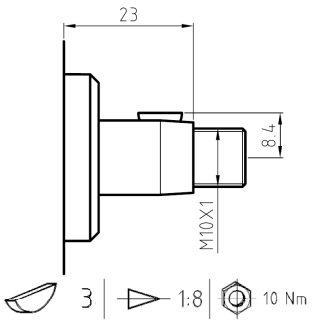
Coppia max 45 Nm
Max torque 45 Nm

CODICE / *CODE*	Q		
PER FLANGIA / FOR *FLANGE*	C	G	6



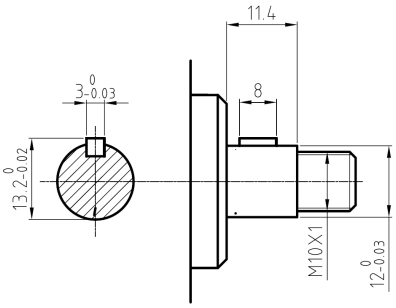
Coppia max 35 Nm
Max torque 35 Nm

CODICE / *CODE*	P		
PER FLANGIA / FOR *FLANGE*	D	G	7



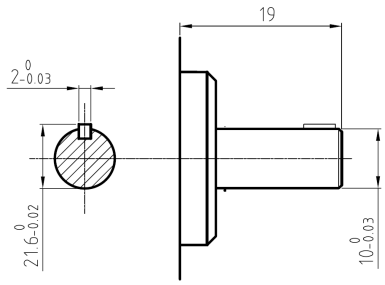
Coppia max 60 Nm
Max torque 60 Nm

CODICE / *CODE*	S		
PER FLANGIA / FOR *FLANGE*	A	G	4
	A	0	4
	E	G	2



Coppia max 16 Nm
Max torque 16 Nm

CODICE / *CODE*	R		
PER FLANGIA / FOR *FLANGE*	A	G	4
	A	0	4

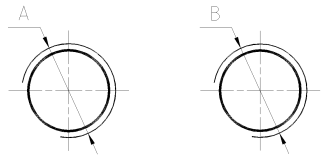


Coppia max 12 Nm
Max torque 12 Nm

CODICE / *CODE*	L		
PER FLANGIA / FOR *FLANGE*	A	G	4
	A	0	4

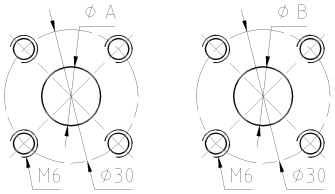
BOCCHE DI ASPIRAZIONE E MANDATA
INLET AND OUTLET PORTS

ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA LATERALE *SIDE OUTLET*



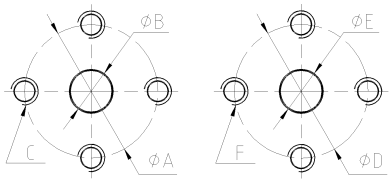
A	B	Codice Code
G 1/2	G 3/8	00
G 3/8	G 3/8	01
G1/4	G1/4	06
M18x1.5	M14x1.5	09
9/16-18UNF	9/16-18UNF	54
3/4-16UNF	9/16-18UNF	55

ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA LATERALE *SIDE OUTLET*



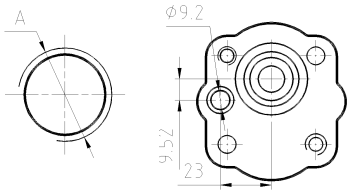
A	B	Codice Code
13	8	13
12	8	16
10	10	17
12	12	42

ASPIRAZIONE LATERALE	MANDATA LATERALE *SIDE OUTLET*



B	A	C	E	D	F	Codice Code
12	30	M6	12	30	M6	14
10	26	M5	10	26	M5	28

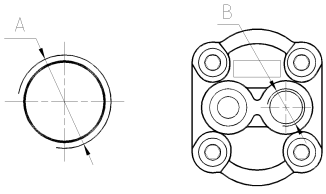
ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA ANTERIORE *FRONT OUTLET*



LA FIGURA MOSTRA UNA POMPA SINISTRA

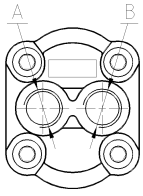
A	Codice Code
G 3/8	05
G 1/4	08

ASPIRAZIONE LATERALE	MANDATA POSTERIORE *REAR OUTLET*



A	B	Codice Code
G 3/8	G 3/8	03
G 3/8	G 1/4	04

ASPIRAZIONE POSTERIORE	MANDATA POSTERIORE *REAR OUTLET*

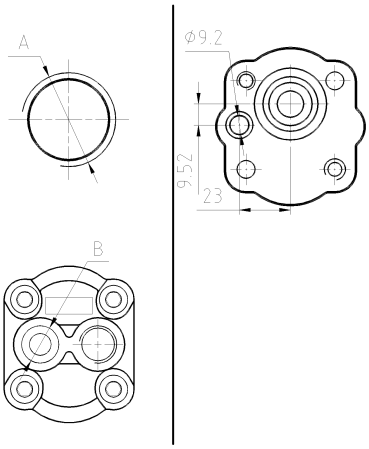


A	B	Codice Code
G 3/8	G 3/8	19
G 3/8	G 1/4	20

BOCCHE DI ASPIRAZIONE E MANDATA

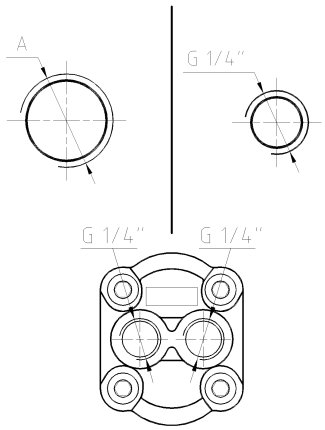
INLET AND OUTLET PORTS

ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA ANTERIORE *FRONT OUTLET*
ASPIRAZIONE POSTERIORE *REAR INLET*	



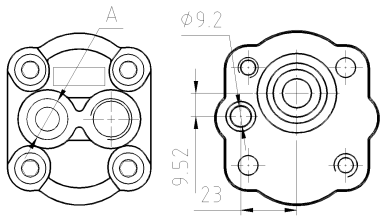
A	B	Codice Code
G 1/4	G 3/8	23
G 1/4	G 1/4	25

ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA LATERALE *SIDE OUTLET*
ASPIRAZIONE POSTERIORE *REAR INLET*	MANDATA POSTERIORE *REAR OUTLET*



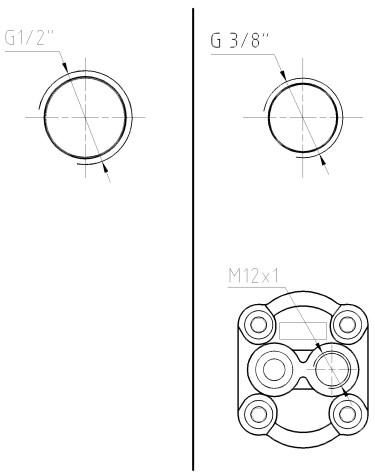
A	Codice Code
G 3/8	22
G 1/4	31

ASPIRAZIONE POSTERIORE *REAR INLET*	MANDATA ANTERIORE *FRONT OUTLET*



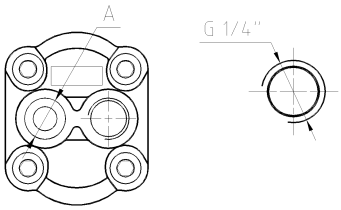
A	Codice Code
G 1/4	24
G 3/8	30

ASPIRAZIONE LATERALE *SIDE INLET*	MANDATA LATERALE *SIDE OUTLET*
	MANDATA POSTERIORE *REAR OUTLET*



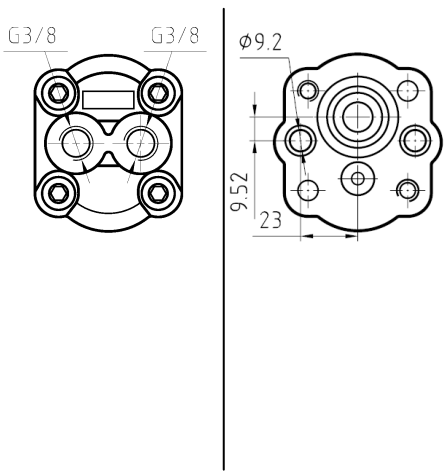
Codice Code	26

ASPIRAZIONE POSTERIORE	MANDATA LATERALE *SIDE OUTLET*



A	Codice Code
G 1/4	40
G 3/8	43

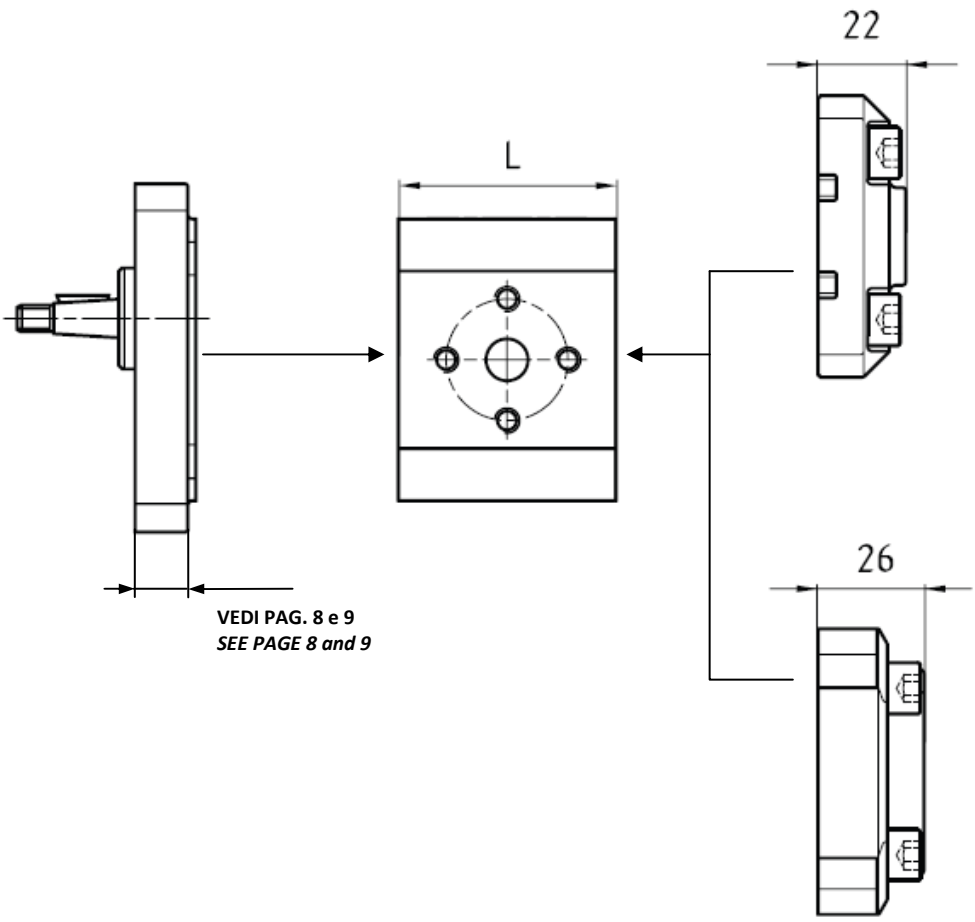
ASPIRAZIONE POSTERIORE *REAR INLET*	ASPIRAZIONE ANTERIORE *FRONT INLET*
MANDATA POSTERIORE *REAR OUTLET*	MANDATA ANTERIORE *FRONT OUTLET*



Codice Code	60

DIMENSIONI D'INGOMBRO
OVERALL DIMENSIONS

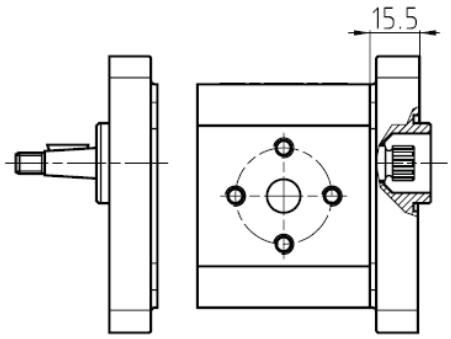
COPERCHIO IN ALLUMINIO
ALLOY COVER



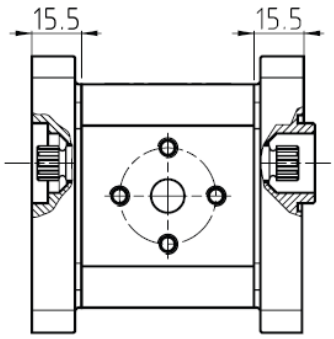
VEDI PAG. 8 e 9
SEE PAGE 8 and 9

COPERCHIO IN GHISA
CAST IRON COVER

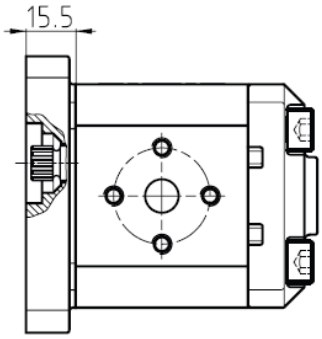
TIPO *TYPE*	*L*
08	31.8
11	38,3
16	40,3
21	42,3
26	44,3
32	46,5
37	48,6
42	50,6
48	53
55	55,8
62	58,6
78	65
88	69
105	82.3



POMPA ANTERIORE
FRONT PUMP



POMPA INTERMEDIA
MIDDLE PUMP



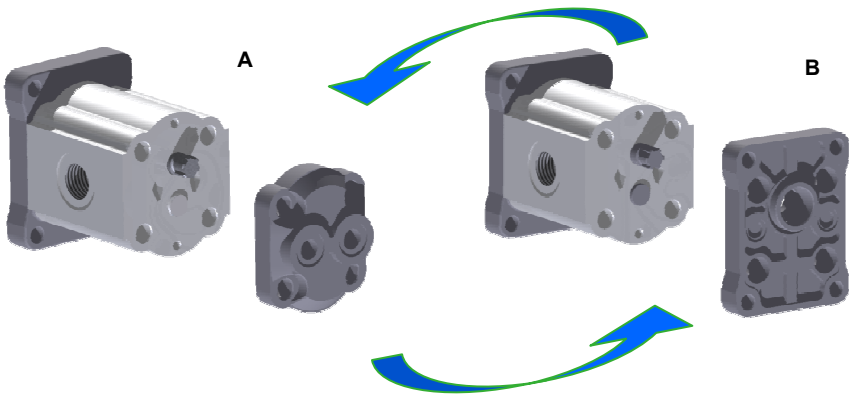
POMPA POSTERIORE
REAR PUMP

POMPE PREDISPOSTE TANDEM

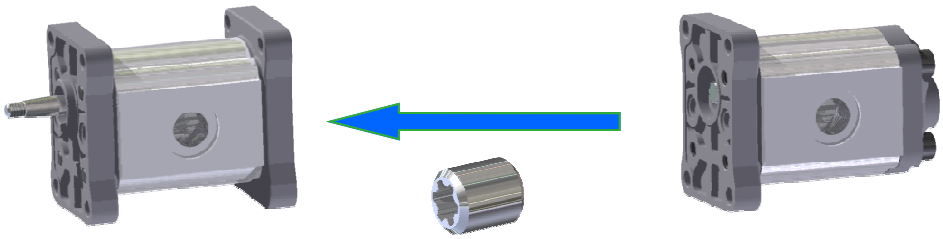
PREASSEMBLED FOR TANDEM PUMPS

Al fine di ridurre gli stock a magazzino la Ronzio offre ai suoi clienti la possibilità di ordinare pompe predisposte tandem.

1



2

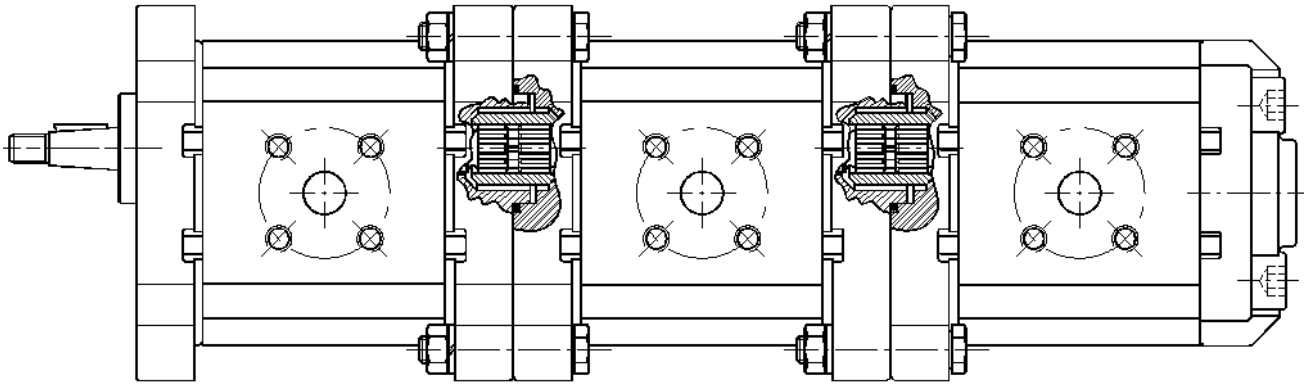


3

Sostituendo il coperchio posteriore della pompa predisposta tandem con il coperchio posteriore della pompa intermedia si evita di tenere a magazzino la pompa posteriore, eventualmente la pompa predisposta può essere utilizzata come pompa singola. Questa operazione deve essere effettuata da personale esperto e per motivi di sicurezza la pompa deve essere ri-collaudata.

The above system of assembling tandem pumps using a simple pump with the tandem gear and an intermediate pump, is available to reduce stocks. The pump with tandem gear can be used as single pump.
This operation must be done by qualified staff only.

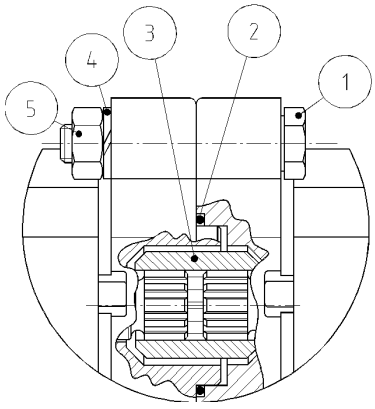
KIT DI MONTAGGIO DELLE UNITA' MULTIPLE Z1
ASSEMBLING KIT FOR MULTIPLE UNITS Z1



La pressione delle pompe intermedie e posteriori è limitata dalla tenuta del mozzo. La coppia massima è di **27 Nm.** Disponibile a richiesta versione con coppia massima fino a 50 Nm, per maggiori informazioni contattare nostro ufficio tecnico.

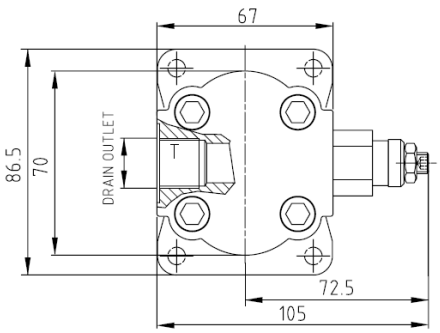
Max shaft loading must conform to the limitation of coupling.
*Max torque is **27 Nm.***
Shaft with max torque of 50 Nm available on request.. For more info contact our technical office.

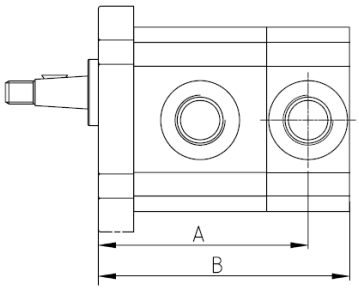
Ref	PARTI
1	M6 x 35 UNI 5737
2	OR 2100
3	Mozzo scanalato *Coupling*
4	Rosetta Washer
5	Dado M6 Stud nut M6
Codice KIT ***Code KIT***	K1000000

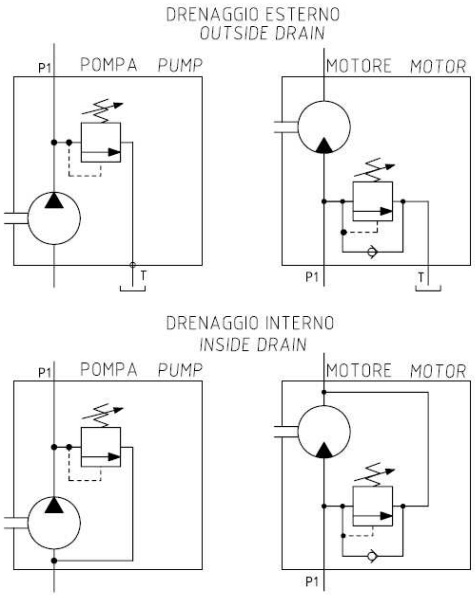


POMPE E MOTORI CON VALVOLA DI MASSIMA PRESSIONE
PUMPS AND MOTORS WITH RELIEF VALVES

VALVOLA A TARATURA REGOLABILE "VR"
VALVE WITH ADJUSTABLE CALIBRATION "VR"

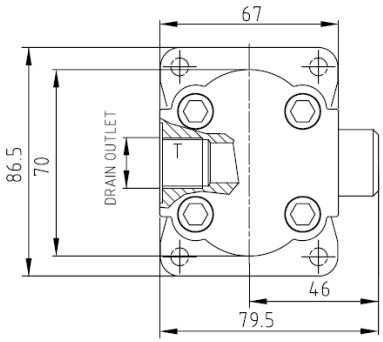


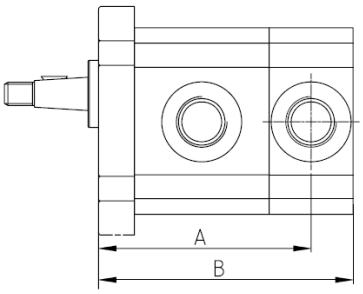


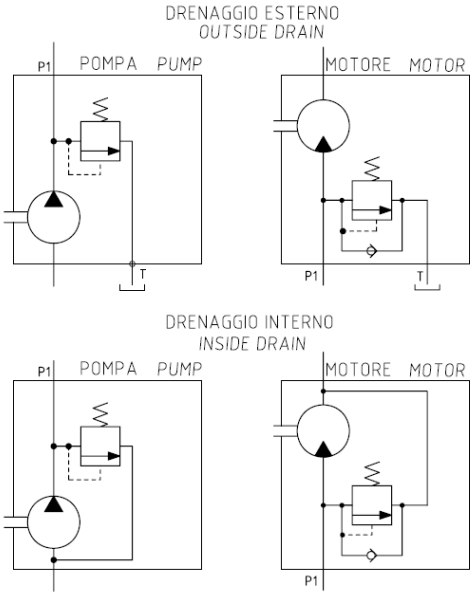


TYPE	*8*	*11*	*16*	*21*	*26*	*32*	*37*	*42*	*48*	*55*	*62*	*78*	*88*	*105*
A	72	73	75	77	79	81	83	85	87	90	93	99	103	116
B	87	88	90	92	94	96	98	100	102	105	108	114	118	131

VALVOLA A TARATURA FISSA "VF"
VALVE WITH FIXED CALIBRATION "VF"







VALORI TARATURA VALVOLA (bar) / CALIBRATION AVAILABLE (bar)
50 -75 - 100 - 125 - 150 - 200 - 250 - 300 - 330

Rev. 09.09

ISTRUZIONI PER L'ORDINAZIONE DI UNITA' SINGOLE Z1

HOW TO ORDER Z1 SINGLE UNITS

		1	2	3	4	5	6	7	8	9	10	11	12	13
0	1	Z	A	G	21	C	4	08	--	D	R	VR	01	210

1	TIPO UNITA' / *UNIT TYPE*	CODICE /*CODE*
	PUMP	**Z**
	MOTOR	**ZM**

2-3-6	FLANGIA / *FLANGE (PAG. 8-9)*	CODICE /*CODE*
	EUROPEA / *EUROPEAN*	**A 0 4**
	TEDESCA / *GERMAN*	**B 0 1**
	EUROPEA / *EUROPEAN*	**A G 4**
	TEDESCA / *GERMAN*	**B G 1**
	TEDESCA / *GERMAN*	**B G 5**
	TEDESCA / *GERMAN*	**B G 2**
	AMERICANA SAE AA / AMERICAN SAE AA	**D G 7**
	EUROPEA / *EUROPEAN*	**E G 2**
	AMERICANA SAE AA / AMERICAN SAE AA	**C G 6**
	EUROPEA / *EUROPEAN*	**E 0 2**

4	CILINDRATA / *CAPACITY* cm^3	CODICE /*CODE*
	0.80	**08**
	1.08	**11**
	1.59	**16**
	2.09	**21**
	2.59	**26**
	3.15	**32**
	3.68	**37**
	4.19	**42**
	4.79	**48**
	5.49	**55**
	6.2	**62**
	7.81	**78**
	8.82	**88**
	10.5	**105**

5	ALBERO / *SHAFT (PAG. 10-11)*	CODICE /*CODE*
	CONICO 1:8 / *TAPERED 1:8*	**C**
	PENNA 11 x 5	**F**
	PENNA 10 x 5	**M**
	PENNA CORTO 10 x 5	**G**
	12x9 Z6 DIN 5487	**D**
	CONICO 1:5 / *TAPERED 1:5*	**B**
	CILINDRICO Ø 12.7 / STRAIGHT Ø 12.7	**N**
	ANSI B92.1 9TH 20/40 FLAT ROOT	**Q**
	CILINDRICO Ø 12.7x38 / STRAIGHT Ø 12.7x38	**P**
	CONICO 1:8 Ø 12.7 / *TAPERED 1:8* Ø 12.7	**S**
	CILINDRICO Ø 12 / STRAIGHT Ø 12	**R**
	CILINDRICO Ø 10 / STRAIGHT Ø 10	**L**

7	BOCCHE / *PORTS (PAG.12-13)*	CODICE /*CODE*
	GERMAN	**14-28**
	EUROPEAN	**13-16-17-42**
	GAS	**00-01-03-04-05-06-08-09-19-20**
	SAE	**53 - 54**

8	PRED. TANDEM / *FOR TANDEM*	CODICE /*CODE*
	PREDISPOSTA / *FOR TANDEM*	**T**
	NIENTE / *NONE*	**--**

9	ROTAZIONE / *ROTATION*	CODICE /*CODE*
	DESTRO / *RIGHT*	**D**
	SINISTRO / *LEFT*	**S**
	BIDIREZIONALE DRENAGGIO ANTERIORE/ *BIDIRECTIONAL WITH FRONT DRAIN*	**R1**
	BIDIREZIONALE DRENAGGIO POSTERIORE / *BIDIRECTIONAL WITH EXTERNAL REAR DRAIN*	**R**
	BIDIREZIONALE DRENAGGIO INTERNO / *BIDIRECTIONAL WITH INTERNAL DRAIN*	**Y**

10	PARAOLIO / *SHAFT SEAL (PAG.7)*	CODICE /*CODE*
	STANDARD / *STANDARD*	**N**
	STANDARD VITON / *STANDARD VITON*	**V**
	5 BAR NBR / *5 BAR NBR*	**RB**
	5 BAR VITON / *5 BAR VITON*	**RV**
	DOPPIO MIM NBR / *DOUBLE SEAL NBR*	**N2**
	DOPPIO MIM VITON / *DOUBLE SEAL VITON*	**V2**
	25 BAR VARISEAL NBR / 25 BAR *VARISEAL NBR*	**B**
	25 BAR NBR /*25 BAR NBR*	**BN**
	25 BAR VITON / *25 BAR VITON*	**BV**

11	*VALVOLA DI MASSIMA / RELIEF VALVE*	CODICE /*CODE*
	SENZA / *WITHOUT*	**-**
	TARATURA REGOLABILE / *ADJUST. CALIBRATION*	**VR**
	TARATURA FISSA / *FIXED CALIBRATION*	**VF**

12	TIPO DRENAGGIO / DRAIN DIMENSION	CODICE /*CODE*
	1/4" G	**1**
	7/16" -20 UNF -2B	**2**

13	*VALORI TARATURA VALVOLA*	CODICE /*CODE*
	50 -75 - 100 - 125 - 150 - 200 - 250 - 300 - 330	

Rev. 09.09

ISTRUZIONI PER L'ORDINAZIONE DI UNITA' MULTIPLE Z1

HOW TO ORDER Z1 MULTIPLE UNITS

			1	*2*	*3*	*4*	*5*	*6*		*7*	*8*	
0	**1**	**Z**	**A**	**G**	**88**	**C**	**4**	**14**	**A**	**S**	**V**	**POMPA ANTERIORE** *FRONT PUMP*

				2	*3*			*6*		*7*	
0	**1**	**Z**	**A**	**G**	**42**	**0**	**0**	**14**	**I**	**S**	**POMPA INTERMEDIA** *MIDDLE PUMP*

				2	*3*			*6*		*7*	
0	**1**	**Z**	**A**	**G**	**21**	**0**	**0**	**14**	**P**	**S**	**POMPA POSTERIORE** *REAR PUMP*

1-2-5	FLANGIA / *FLANGE (PAG. 8-9)*	CODICE /*CODE*
EUROPEA / *EUROPEAN*		**A 0 4**
TEDESCA / *GERMAN*		**B 0 1**
EUROPEA / *EUROPEAN*		**A G 4**
TEDESCA / *GERMAN*		**B G 1**
TEDESCA / *GERMAN*		**B G 5**
TEDESCA / *GERMAN*		**B G 2**
AMERICANA SAE AA / AMERICAN SAE AA		**D G 7**
EUROPEA / *EUROPEAN*		**E G 2**
AMERICANA SAE AA / AMERICAN SAE AA		**C G 6**
EUROPEA / *EUROPEAN*		**E 0 2**

3	CILINDRATA / *CAPACITY* cm^3	CODICE /*CODE*
0.80		**08**
1.08		**11**
1.59		**16**
2.09		**21**
2.59		**26**
3.15		**32**
3.68		**37**
4.19		**42**
4.79		**48**
5.49		**55**
6.2		**62**
7.81		**78**
8.82		**88**
10.5		**105**

4	ALBERO / *SHAFT (PAG. 10-11)*	CODICE /*CODE*
CONICO 1:8 / *TAPERED 1:8*		**C**
PENNA 11 x 5		**F**
PENNA 10 x 5		**M**
PENNA CORTO 10 x 5		**G**
12x9 Z6 DIN 5487		**D**
CONICO 1:5 / *TAPERED 1:5*		**B**
CILINDRICO Ø 12.7 / STRAIGHT Ø 12.7		**N**
ANSI B92.1 9TH 20/40 FLAT ROOT		**Q**
CILINDRICO Ø 12.7x38 / STRAIGHT Ø 12.7x38		**P**
CONICO 1:8 Ø 12.7 / *TAPERED 1:8* Ø 12.7		**S**
CILINDRICO Ø 12 / STRAIGHT Ø 12		**R**
CILINDRICO Ø 10 / STRAIGHT Ø 10		**L**

6	BOCCHE / *PORTS (PAG.12-13)*	CODICE /*CODE*
GERMAN		**14-27-28-29**
EUROPEAN		**11-12-13-15-16-17-18-42**
GAS		**00-01-02-03-04-05-06-07-08-09-10-19-20-21**
SAE		**53 - 54**

7	ROTAZIONE / *ROTATION*	CODICE /*CODE*
DESTRO / *RIGHT*		**D**
SINISTRO / *LEFT*		**S**

8	PARAOLIO / *SHAFT SEAL (PAG.7)*	CODICE /*CODE*
STANDARD / *STANDARD*		**N**
STANDARD VITON / *STANDARD VITON*		**V**
5 BAR NBR / *5 BAR NBR*		**RB**
5 BAR VITON / *5 BAR VITON*		**RV**
DOPPIO MIM NBR / *DOUBLE SEAL NBR*		**N2**
DOPPIO MIM VITON / *DOUBLE SEAL VITON*		**V2**
25 BAR VARISEAL NBR / 25 BAR *VARISEAL NBR*		**B**
25 BAR NBR /*25 BAR NBR*		**BN**
25 BAR VITON / *25 BAR VITON*		**BV**

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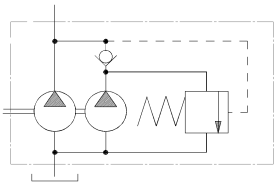
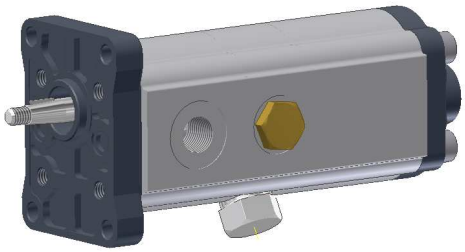
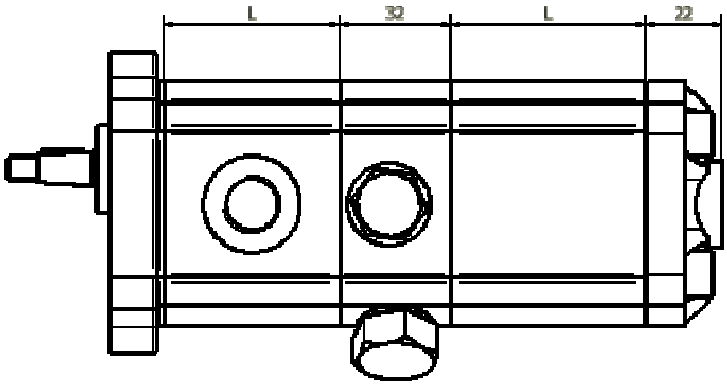
POMPA MULTIPLA Z1 CON VALVOLA DISGIUNTRICE

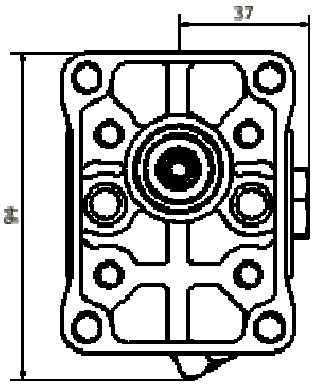
MULTIPLE PUMPS Z1 WITH SEQUENCE VALVE (HIGH-LOW PUMP)

NEW !!!









			1	2		3	4	5	6	7	8	9
0	**1**	**Z**	**A**	**0**	**D**	**11**	**48**	**C**	**4**	**01**	**S**	**N**

1-2-6	FLANGIA / *FLANGE (PAG. 8-9)*	CODICE /*CODE*
	EUROPEA / *EUROPEAN*	**A 0 4**
	TEDESCA / *GERMAN*	**B 0 1**
	EUROPEA / *EUROPEAN*	**A G 4**
	TEDESCA / *GERMAN*	**B G 1**
	TEDESCA / *GERMAN*	**B G 5**
	TEDESCA / *GERMAN*	**B G 2**
	AMERICANA SAE AA / AMERICAN SAE AA	**D G 7**
	EUROPEA / *EUROPEAN*	**E G 2**
	AMERICANA SAE AA / AMERICAN SAE AA	**C G 6**
	EUROPEA / *EUROPEAN*	**E 0 2**

3-4	CILINDRATA / *CAPACITY* cm^3	CODICE /*CODE*
	0.80	**08**
	1.08	**11**
	1.59	**16**
	2.09	**21**
	2.59	**26**
	3.15	**32**
	3.68	**37**
	4.19	**42**
	4.79	**48**
	5.49	**55**

5	ALBERO / *SHAFT (PAG. 10-11)*	CODICE /*CODE*
	CONICO 1:8 / *TAPERED 1:8*	**C**
	12x9 Z6 DIN 5487	**D**
	CONICO 1:5 / *TAPERED 1:5*	**B**
	CILINDRICO Ø 12.7 / STRAIGHT Ø 12.7	**N**
	ANSI B92.1 9TH 20/40 FLAT ROOT	**Q**
	CILINDRICO Ø 12.7x38 / STRAIGHT Ø 12.7x38	**P**
	CONICO 1:8 Ø 12.7 / *TAPERED 1:8* Ø 12.7	**S**
	CILINDRICO Ø 12 / STRAIGHT Ø 12	**R**
	CILINDRICO Ø 10 / STRAIGHT Ø 10	**L**

7	BOCCHE / *PORTS (PAG.12-13)*	CODICE /*CODE*
	GERMAN	**14-27-28-29**
	EUROPEAN	**11-12-13-15-16-17-18-42**
	GAS	**00-01-02-05-06-08-09-10**
	SAE	**53 - 54**

8	ROTAZIONE / *ROTATION*	CODICE /*CODE*
	DESTRO / *RIGHT*	**D**
	SINISTRO / *LEFT*	**S**

9	PARAOLIO / *SHAFT SEAL (PAG.7)*	CODICE /*CODE*
	STANDARD / *STANDARD*	**N**
	STANDARD VITON / *STANDARD VITON*	**V**
	5 BAR NBR / *5 BAR NBR*	**RB**
	5 BAR VITON / *5 BAR VITON*	**RV**
	DOPPIO MIM NBR / *DOUBLE SEAL NBR*	**N2**
	DOPPIO MIM VITON / *DOUBLE SEAL VITON*	**V2**
	25 BAR VARISEAL NBR / 25 BAR *VARISEAL NBR*	**B**
	25 BAR NBR /*25 BAR NBR*	**BN**
	25 BAR VITON / *25 BAR VITON*	**BV**

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ronzio
OLEODINAMICA