



**POMPE
AD INGRANAGGI
GEAR PUMPS**



CATALOGO
TECNICO
TECHNICAL
CATALOGUE

CARATTERISTICHE GENERALI

MAIN FEATURES

Il presente catalogo include pompe ad ingranaggi esterni del Gr. 1, Gr. 2 e del Gr. 3 sia in configurazione singola che in tandem (pompa multipla). Sono dotate di flange e coperchi in alluminio o in ghisa.

Il bilanciamento idrostatico dei rasamenti (boccole) è del tipo doppia compensazione con ripresa del gioco assiale mediante apposita area predefinita. Lubrificazione interna e compensazione sono proporzionali alla pressione di esercizio.

La precisione e la cura nella costruzione dei particolari consentono l'intercambiabilità delle flange di fissaggio e degli ingranaggi (nell'ambito della stessa cilindrata) permettendo in tal modo maggior flessibilità e minori impegni di magazzino presso il cliente.

Sono disponibili le varie esecuzioni secondo gli standard più diffusi (europeo, tedesco, SAE) e, su richiesta, esiste la possibilità di personalizzazioni del cliente. Tutte le pompe sono predisposte per il traino di una eventuale pompa posteriore mediante un apposito kit di trasformazione fornibile separatamente.

Condizioni e limiti di funzionamento

Fluido consigliato:

olio idraulico a base minerale con elevato indice di viscosità (tenendo conto delle condizioni di funzionamento dell'impianto).

Temperatura consigliata:

20÷60 °C.

Temperatura limite con guarnizioni in NBR:

-15÷80 °C

Temperatura limite con guarnizioni in FPM (Viton):

-10÷110 °C.

Pressione ammessa in aspirazione:

0.7÷3 bar assoluti (10÷44 psi).

Viscosità raccomandata:

15÷92 c.St.

Viscosità limite all'avviamento:

2500 c.St.

Filtraggio per pressioni di esercizio fino a 150 bar (fino a 2175 psi):

26/23 ISO DIS 4406.

Filtraggio per pressioni di esercizio >150 bar (>2175 psi):

23/20 ISO DIS 4406.

The present range includes external gear pumps, Group 1, Group 2 and Group 3, single and tandem construction (multiple pump), with aluminium or cast iron end cap and mounting flange.

Floating bushing, double compensated pressure-balanced design with special area for resetting of the end float clearance.

Internal lubrication and pressure compensation are performed proportionally to the operating pressure of the system. Precision machining and top accuracy of all construction details make use of fixation flanges perfectly interchangeable for models of the same delivery range providing more flexibility and less customers' stocks.

The various construction types are available in compliant versions to the applicable Standards (European, German and SAE). On request, clients may ask for customized versions too.

All pumps are designed for combined operation with an eventual retrofittable rear pump.

Assembly kit for rear-mount is available on request.

Operating conditions

Recommended fluid:

High-viscosity, mineral hydraulic oil (please always pay attention to the operating conditions of the equipment).

Recommended temperature range:

20÷60 °C

Operating temperature range for NBR gaskets:

-15÷80 °C.

Operating temperature range for FPM (Viton) gaskets:

-10÷110 °C.

Admissible suction pressure:

0.7÷3 bar absolute (10÷44 psi absolute).

Recommended viscosity range:

15÷92 c.St.

Max viscosity at start-up:

2500 c.St.

Filtering for operating pressure up to 150 bar (up to 2175 psi):

26/23 ISO DIS 4406.

Filtering for operating pressure >150 bar (>2175 psi):

23/20 ISO DIS 4406.

Note per l'installazione

- Verificare il corretto senso di rotazione della pompa.
- Collegare il condotto di aspirazione al lato della pompa riportante l'apposito riferimento o, in sua assenza, al foro di dimensione maggiore.
- Non sono ammessi carichi assiali e/o radiali sull'albero della pompa: effettuare il collegamento all'albero motore con giunto non rigido, appositamente lubrificato e libero di muoversi assialmente.
- In caso di presenza di carichi sull'albero della pompa, interporre un supporto munito di cuscinetti.
- In caso di verniciatura della pompa proteggere l'anello di tenuta per albero rotante.
- Rimuovere eventuali impurità quali polvere o particelle abrasive dalla zona dell'albero rotante a contatto con l'anello di tenuta.
- Rimuovere trucioli e/o impurità dai fori di connessione e dai piani di appoggio su corpo e flangia di fissaggio.
- Riempire la pompa di fluido facendola ruotare a mano per evitare il primo avviamento a secco
- Agevolare la fuoriuscita dell'aria dall'impianto alla prima accensione allentando momentaneamente il tubo di mandata della pompa.
- Mantenere l'olio pulito a salvaguardia di tutti i componenti dell'impianto, controllando periodicamente lo stato dei filtri.
- Eseguire eventuali rabbocchi con olio idraulico dello stesso tipo.

Important installation tips

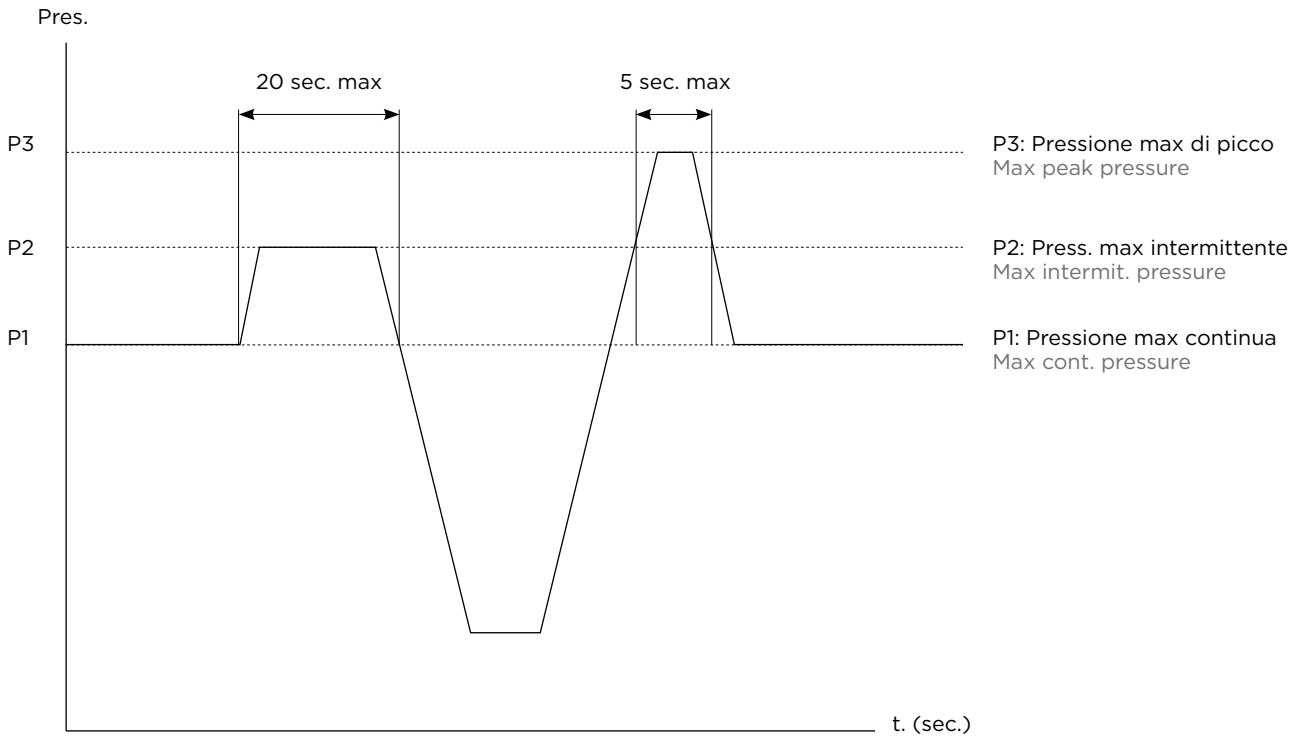
- Check for correct pump rotation in the proper direction.
- Connect the suction pipe to the pump side marked by the relevant sign or, failure of any mark, to the largest hole.
- Do not apply any axial/radial loads on the shaft of the pump. Do not use a rigid coupling for connection to the motor shaft, provide for due lubrication and axial clearance of the coupling.
- If a load is to be applied on the shaft of the pump, be sure to install a suitable external bearing for the load.
- Protect the seal of the drive shaft before painting the pump.
- Accurately remove eventual foreign matters (such as dust and abrasive particles) from the shaft area touching the sealing ring.
- Remove chips and/or metal shavings from the connection holes, from the body bearing faces and from the mounting flange.
- As you fill fluid into the pump, be sure to manually let the pump rotate in order to avoid dry start-ups.
- Release the delivery pipe to facilitate bleeding the pump at first startup.
- Be sure to keep running the pump with very clean oil to avoid even major damages to the various parts and components. Perform regular periodic controls of the filters.
- If required, perform oil touch-ups using oil of the same kind.

I dati contenuti nel presente catalogo sono indicativi e possono essere modificati senza alcun preavviso.

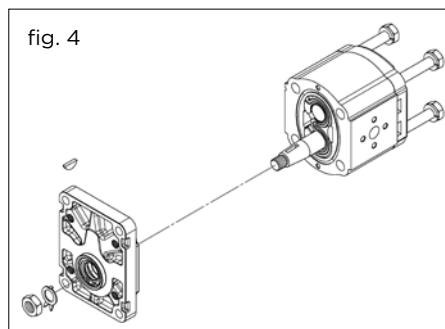
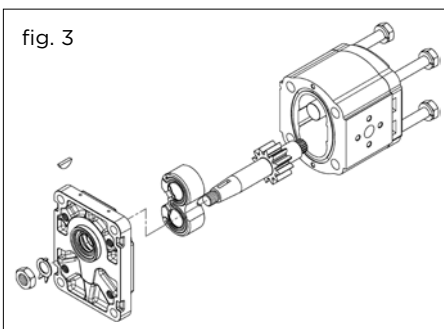
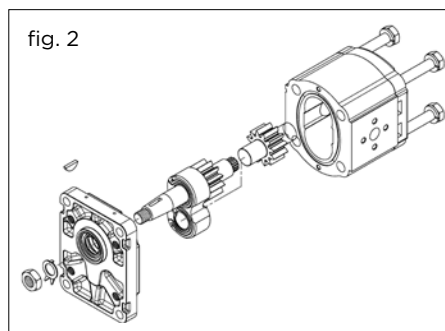
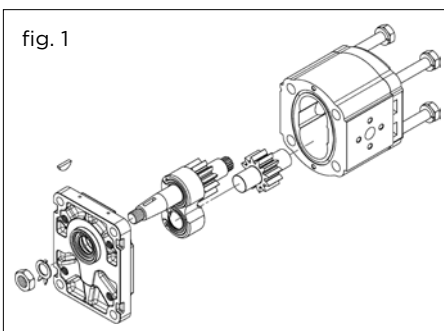
The information provided in this catalogue is subject to change without notice.

A technical drawing of a mechanical part, possibly a bracket or a housing, shown in a perspective view. The drawing is rendered in white lines on a yellow background. It features a rectangular base with rounded corners and several circular holes. A cylindrical component is attached to the right side of the base. The drawing is a line art representation, showing the outlines and internal features of the part.

DATI TECNICI
TECHNICAL DATA



INVERSIONE SENSO DI ROTAZIONE - ROTATION REVERSAL



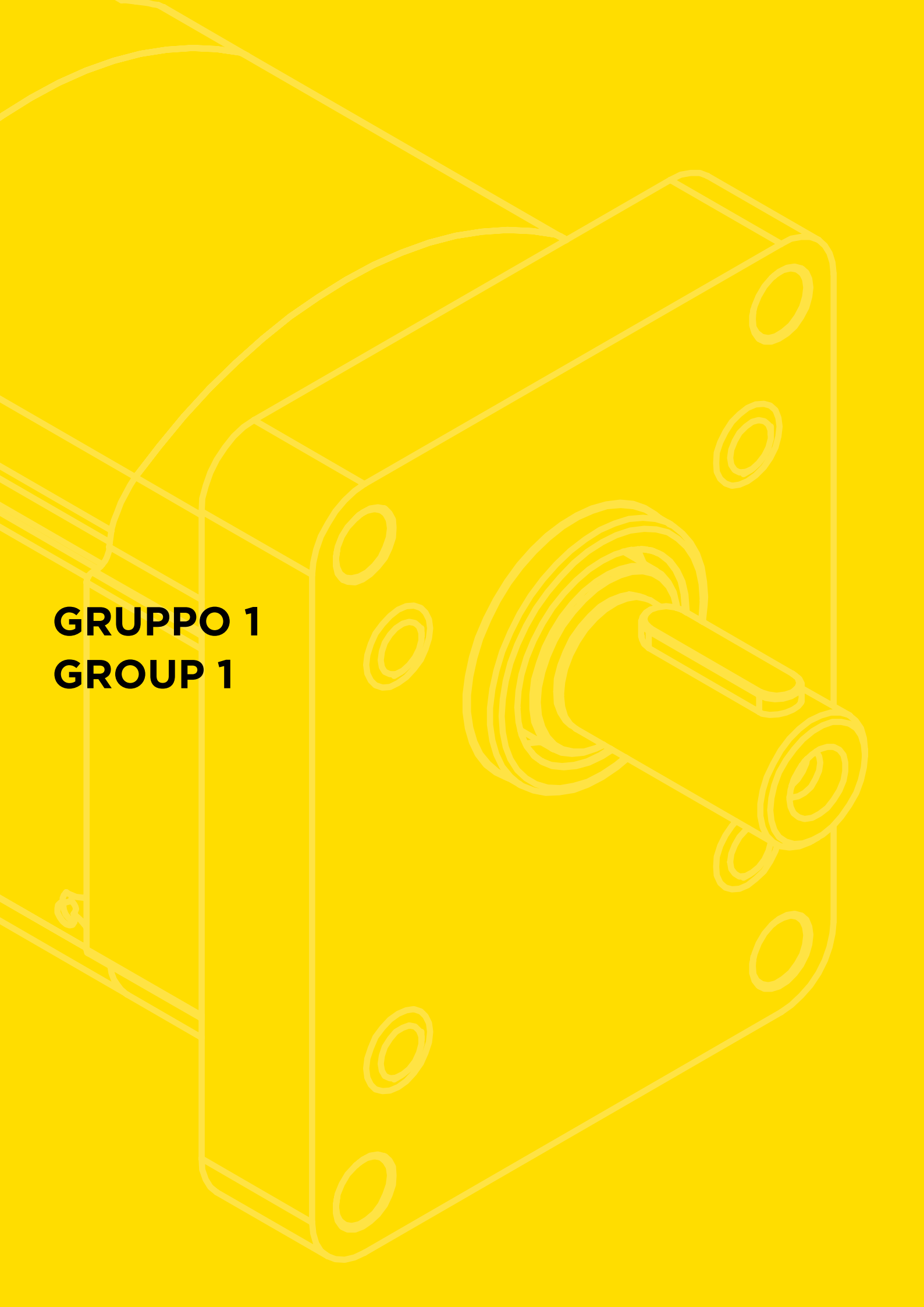
I. Smontare la pompa (fig.1)
Disassemble the pump.

II. Invertire la posizione degli ingranaggi lasciando la boccola con lo stesso orientamento (fig.2 - 3)
Invert gears position leaving the bushing with its previous orientation.

III. Capovolgere la flangia e riassemblare la pompa serrando le viti con coppia $47\text{Nm} \pm 3$ (fig.4)

Reverse the flange and reassemble the pump tightening the screws with torque of $47\text{Nm} \pm 3$.

GRUPPO 1
GROUP 1



CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Velocità max giri/min Max speed rpm	Portata max lt/min Max flow (gpm)	Velocità min giri/min Min speed rpm	Portata min lt/min Min flow (gpm)	Rendim. Vol. min* % Min Volum. Effic.* %
BG10-09	0.95 (0.058)	6000	5.7 (1.50)	600	0.5 (0.14)	90
BG10-13	1.26 (0.077)	6000	7.5 (1.99)	600	0.7 (0.18)	92
BG10-16	1.64 (0.100)	6000	9.8 (2.60)	400	0.6 (0.16)	95
BG10-21	2.05 (0.125)	5500	11.3 (2.98)	400	0.8 (0.21)	95
BG10-25	2.56 (0.156)	5500	14.1 (3.72)	400	1 (0.26)	95
BG10-31	3.15 (0.192)	4500	14.2 (3.75)	400	1.2 (0.32)	95
BG10-38	3.80 (0.232)	4000	15.2 (4.01)	400	1.4 (0.38)	95
BG10-43	4.28 (0.261)	3500	15 (3.96)	400	1.6 (0.43)	95
BG10-50	4.97 (0.303)	3000	14.9 (3.94)	400	1.9 (0.50)	95
BG10-62	6.21 (0.379)	2700	16.8 (4.43)	400	2.4 (0.62)	95
BG10-78	7.80 (0.476)	2500	19.5 (5.15)	400	3.0 (0.78)	95
BG10-99	9.85 (0.601)	2000	19.7 (5.20)	400	3.7 (0.99)	95

*Rendimento volumetrico a 1500 giri/min * Volumetric efficiency at 1500 rpm



STO
Flangia standard
Standard flange



MZD / MZS
Flangia Ø32 con foro mandata
Ø32 flange with delivery hole



S20
Flangia Sae AA
Sae AA flange



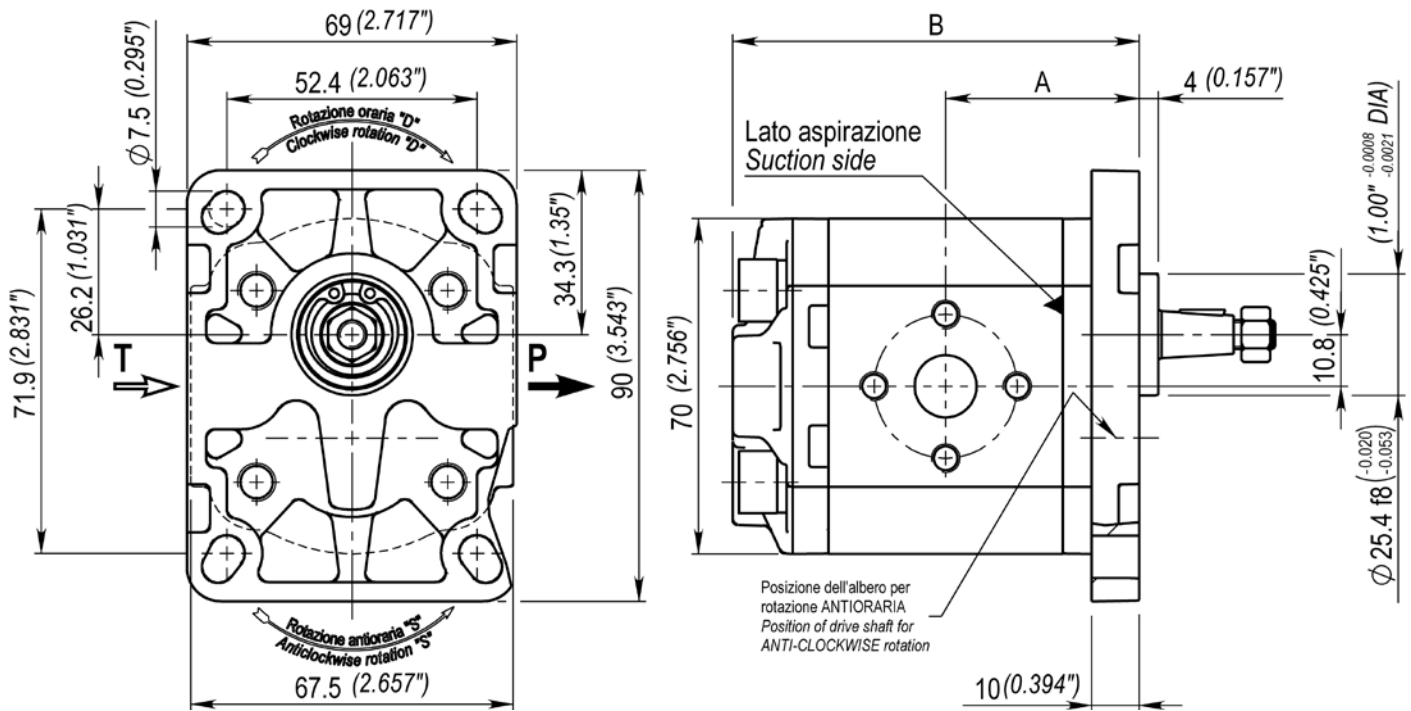
EZ1
E32C da elettropompa
E32C for electro pump



MZ1
Flangia Ø32 da minicentralina
Ø32 flange for power pack

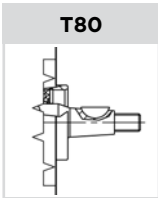
BG10 GR.1

FLANGIA STANDARD **STO**
STANDARD FLANGE **STO**

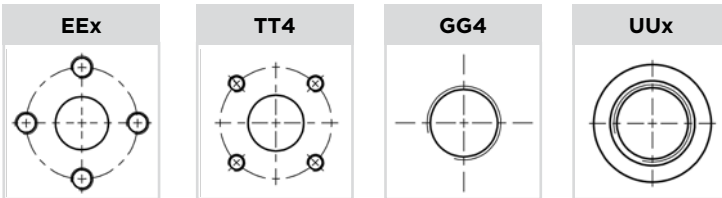


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions		Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	
BG10-09	0.95 (0.058)	240 (3336)	260 (3625)	290 (4061)	35 (1.38)	74.4 (2.93)	0.887 (1.96)
BG10-13	1.26 (0.077)	240 (3336)	260 (3626)	290 (4061)	35.6 (1.40)	75.2 (2.96)	0.893 (1.97)
BG10-16	1.64 (0.100)	240 (3481)	260 (3771)	290 (4206)	36.4 (1.43)	76.7 (3.02)	0.909 (2.00)
BG10-21	2.05 (0.125)	240 (3481)	260 (3771)	290 (4206)	37.2 (1.46)	78.3 (3.08)	0.93 (2.05)
BG10-25	2.56 (0.156)	230 (3336)	250 (3625)	280 (4061)	38.2 (1.50)	80.3 (3.16)	0.964 (2.12)
BG10-31	3.15 (0.192)	230 (3336)	250 (3625)	280 (4061)	39.3 (1.55)	82.6 (3.25)	0.992 (2.19)
BG10-38	3.80 (0.232)	220 (3191)	240 (3481)	260 (3771)	40.6 (1.60)	85.1 (3.35)	1.033 (2.28)
BG10-43	4.28 (0.261)	220 (3191)	240 (3481)	260 (3771)	41.5 (1.63)	87 (3.43)	1.055 (2.33)
BG10-50	4.97 (0.303)	190 (2756)	210 (3046)	230 (3336)	42.9 (1.69)	90.1 (3.55)	1.108 (2.44)
BG10-62	6.21 (0.379)	190 (2756)	210 (3046)	230 (3336)	45.3 (1.78)	94.9 (3.74)	1.177 (2.59)
BG10-78	7.80 (0.476)	170 (2466)	190 (2756)	210 (3046)	48.4 (1.91)	100.7 (3.96)	1.251 (2.76)
BG10-99	9.85 (0.601)	150 (2175)	170 (2466)	190 (2756)	52.4 (2.06)	109.1 (4.30)	1.379 (3.04)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CONNESSIONI DISPONIBILI - SAVALIBLE CONNECTIONS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

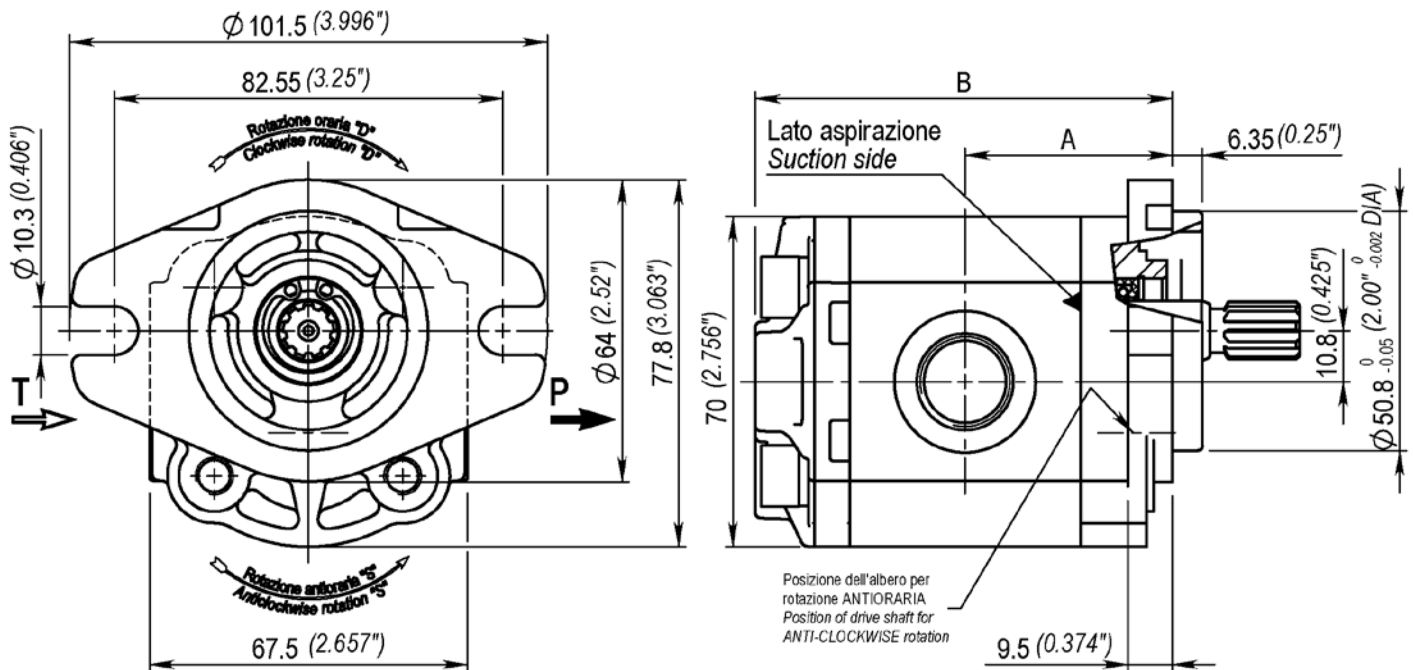
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that depends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG10	CODICE CODE	
	CILINDRATA DISPLACEMENT	09 13 16 21 25 31 38 43 50 62 78 99 0.95 1.26 1.64 2.05 2.56 3.15 3.80 4.28 4.97 6.21 7.80 9.85
	FLANGIA FLANGE	ST0 Standard Standard
	FLANGIA E COPERCHIO FLANGE AND COVER	A Alluminio Aluminium
	ALBERO SHAFT	T80
	CONNESSIONE CONNECTION	EEx TT4 GG4 UUx
	ROTAZIONE ROTATION	D Rotazione destra Clockwise rotation S Rotazione sinistra Anticlockwise rotation
	COPERCHIO STANDARD STANDARD COVER	0 Standard Standard
	GUARNIZIONI SEALS	O Tenute in Nbr Nbr seals V Tenute in Viton® Viton® seals

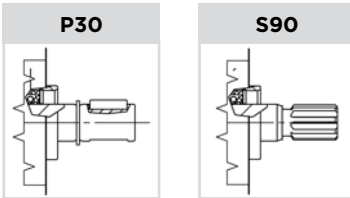
BG10 GR.1

FLANGIA SAE AA S20
SAE AA FLANGE S20

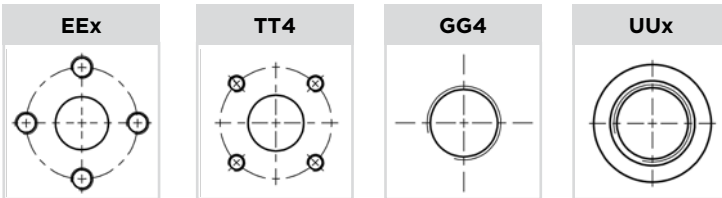


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions		Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	
BG10-09	0.95 (0.058)	240 (3336)	260 (3625)	290 (4061)	38.5 (1.516)	77.9 (3.065)	0.912 (2.01)
BG10-13	1.26 (0.077)	240 (3336)	260 (3626)	290 (4061)	39.1 (1.539)	78.7 (3.098)	0.915 (2.02)
BG10-16	1.64 (0.100)	240 (3481)	260 (3771)	290 (4206)	39.9 (1.569)	80.2 (3.157)	1.012 (2.23)
BG10-21	2.05 (0.125)	240 (3481)	260 (3771)	290 (4206)	40.7 (1.600)	81.8 (3.220)	0.945 (2.08)
BG10-25	2.56 (0.156)	230 (3336)	250 (3625)	280 (4061)	41.7 (1.640)	83.8 (3.299)	0.981 (2.16)
BG10-31	3.15 (0.192)	230 (3336)	250 (3625)	280 (4061)	42.8 (1.685)	86.1 (3.390)	1.008 (2.22)
BG10-38	3.80 (0.232)	220 (3191)	240 (3481)	260 (3771)	44.1 (1.734)	88.6 (3.488)	1.05 (2.31)
BG10-43	4.28 (0.261)	220 (3191)	240 (3481)	260 (3771)	45.0 (1.772)	90.5 (3.563)	1.081 (2.38)
BG10-50	4.97 (0.303)	190 (2756)	210 (3046)	230 (3336)	46.4 (1.825)	93.6 (3.683)	1.124 (2.48)
BG10-62	6.21 (0.379)	190 (2756)	210 (3046)	230 (3336)	48.8 (1.919)	98.4 (3.872)	1.193 (2.63)
BG10-78	7.80 (0.476)	170 (2466)	190 (2756)	210 (3046)	51.9 (2.041)	104.2 (4.102)	1.28 (2.82)
BG10-99	9.85 (0.601)	150 (2175)	170 (2466)	190 (2756)	55.9 (2.199)	112.6 (4.431)	1.396 (3.08)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CONNESSIONI DISPONIBILI - SAVALABLE CONNECTIONS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

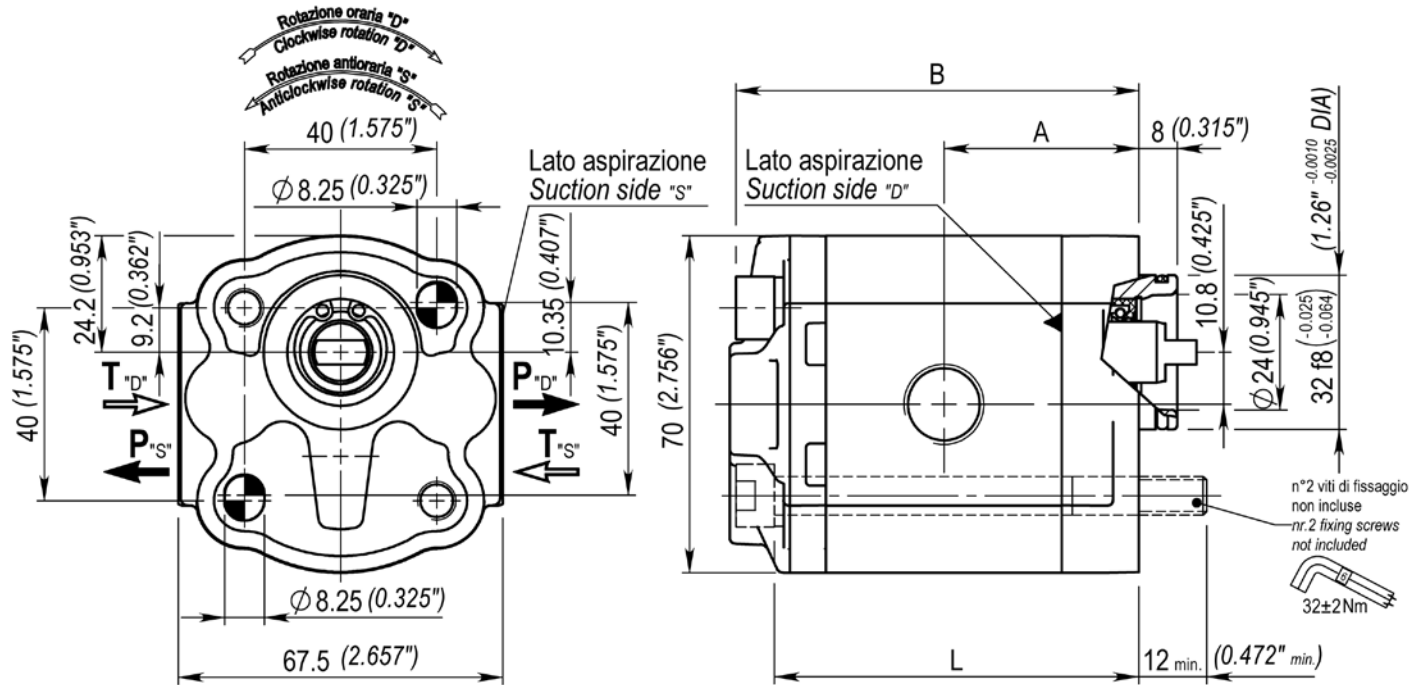
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that depends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG10	CODICE CODE	
	CILINDRATA DISPLACEMENT	09 13 16 21 25 31 38 43 50 62 78 99 0.95 1.26 1.64 2.05 2.56 3.15 3.80 4.28 4.97 6.21 7.80 9.85
	FLANGIA FLANGE	S20 Flangia Sae AA Sae AA Flange
	FLANGIA E COPERCHIO FLANGE AND COVER	A Alluminio Aluminium
	ALBERO SHAFT	P30 S90
	CONNESSIONE CONNECTION	EEx TT4 GG4 UUx
	ROTAZIONE ROTATION	D Rotazione destra Clockwise rotation S Rotazione sinistra Anticlockwise rotation
	COPERCHIO STANDARD STANDARD COVER	0 Standard Standard
	GUARNIZIONI SEALS	0 Tenute in Nbr Nbr seals V Tenute in Viton® Viton® seals

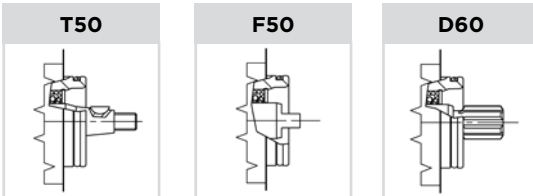
BG10 GR.1

FLANGIA Ø32 DA MINICENTRALINA MZ1
Ø32 FLANGE FOR POWER PACK MZ1

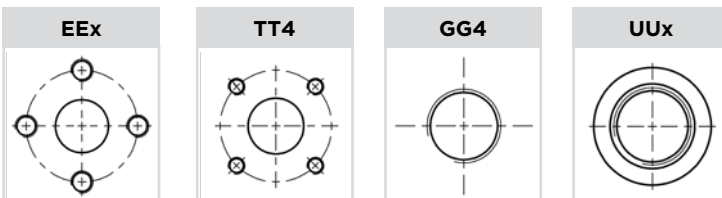


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions			Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	L mm (in)	
BG10-09	0.95 (0.058)	240 (3336)	260 (3625)	290 (4061)	35 (1.38)	74.4 (2.93)	62.8 (2.470)	0.781 (1.72)
BG10-13	1.26 (0.077)	240 (3336)	260 (3626)	290 (4061)	35.6 (1.40)	75.2 (2.96)	64.0 (2.518)	0.792 (1.75)
BG10-16	1.64 (0.100)	240 (3481)	260 (3771)	290 (4206)	36.4 (1.43)	76.7 (3.02)	65.5 (2.577)	0.810 (1.79)
BG10-21	2.05 (0.125)	240 (3481)	260 (3771)	290 (4206)	37.2 (1.46)	78.3 (3.08)	67.1 (2.640)	0.830 (1.83)
BG10-25	2.56 (0.156)	230 (3336)	250 (3625)	280 (4061)	38.2 (1.50)	80.3 (3.16)	69.1 (2.719)	0.861 (1.90)
BG10-31	3.15 (0.192)	230 (3336)	250 (3625)	280 (4061)	39.3 (1.55)	82.6 (3.25)	71.4 (2.809)	0.888 (1.96)
BG10-38	3.80 (0.232)	220 (3191)	240 (3481)	260 (3771)	40.6 (1.60)	85.1 (3.35)	73.9 (2.907)	0.925 (2.04)
BG10-43	4.28 (0.261)	220 (3191)	240 (3481)	260 (3771)	41.5 (1.63)	87 (3.43)	75.8 (2.982)	0.948 (2.09)
BG10-50	4.97 (0.303)	190 (2756)	210 (3046)	230 (3336)	42.9 (1.69)	90.1 (3.55)	78.5 (3.089)	0.992 (2.19)
BG10-62	6.21 (0.379)	190 (2756)	210 (3046)	230 (3336)	45.3 (1.78)	94.9 (3.74)	83.3 (3.278)	1.056 (2.33)
BG10-78	7.80 (0.476)	170 (2466)	190 (2756)	210 (3046)	48.4 (1.91)	100.7 (3.96)	89.5 (3.522)	1.131 (2.49)
BG10-99	9.85 (0.601)	150 (2175)	170 (2466)	190 (2756)	52.4 (2.06)	109.1 (4.30)	97.5 (3.837)	1.248 (2.75)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CONNESSIONI DISPONIBILI - SAVALIBLE CONNECTIONS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

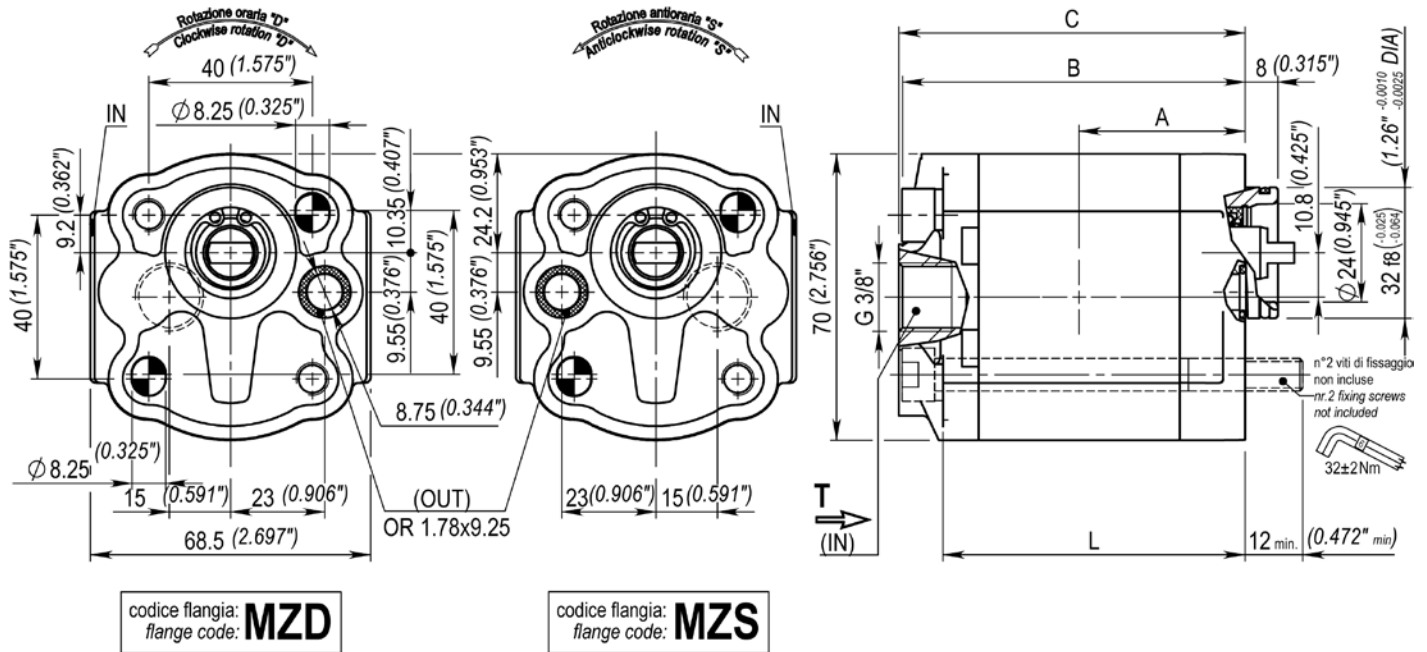
“X” = numero variabile dipendente dalla cilindrata
“X” = variable number that depends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG10	CODICE CODE	
	CILINDRATA DISPLACEMENT	09 13 16 21 25 31 38 43 50 62 78 99 0.95 1.26 1.64 2.05 2.56 3.15 3.80 4.28 4.97 6.21 7.80 9.85
	FLANGIA FLANGE	MZ1 Flangia Ø32 da minicentralina Ø32 Flange for power pack
	FLANGIA E COPERCHIO FLANGE AND COVER	A Alluminio Aluminium
	ALBERO SHAFT	T50 F50 D60
	CONNESSIONE CONNECTION	EEx TT4 GG4 UUx
	ROTAZIONE ROTATION	D Rotazione destra Clockwise rotation S Rotazione sinistra Anticlockwise rotation
	COPERCHIO STANDARD STANDARD COVER	0 Standard Standard
	GUARNIZIONI SEALS	0 Tenute in Nbr Nbr seals V Tenute in Viton® Viton® seals

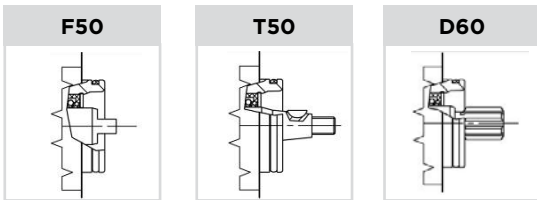
BG10 GR.1

FLANGIA Ø32 CON FORO MANDATA **MZD / MZS**
 Ø32 FLANGE WITH DELIVERY HOLE **MZD / MZS**

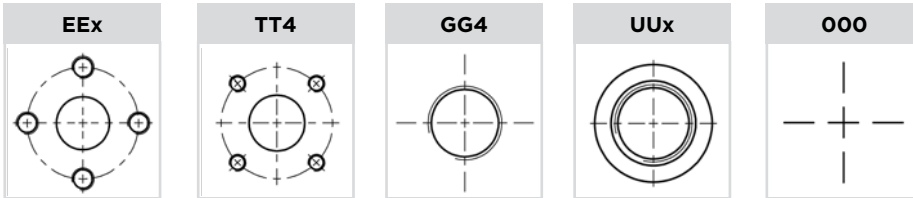


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions				Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	C mm (in)	L mm (in)	
BG10-09	0.95 (0.058)	240 (3336)	260 (3625)	290 (4061)	35 (1.38)	74.4 (2.93)	73.5 (2.89)	62.8 (2.47)	0.781 (1.72)
BG10-13	1.26 (0.077)	240 (3336)	260 (3626)	290 (4061)	35.6 (1.40)	74 (2.91)	74.7 (2.94)	64.0 (2.52)	0.806 (1.78)
BG10-16	1.64 (0.100)	240 (3481)	260 (3771)	290 (4206)	36.4 (1.43)	75.5 (2.97)	76.2 (3.00)	65.5 (2.58)	0.823 (1.81)
BG10-21	2.05 (0.125)	240 (3481)	260 (3771)	290 (4206)	37.2 (1.46)	77.1 (3.03)	77.8 (3.06)	67.1 (2.64)	0.844 (1.86)
BG10-25	2.56 (0.156)	230 (3336)	250 (3625)	280 (4061)	38.2 (1.50)	79.1 (3.11)	79.8 (3.14)	69.1 (2.72)	0.875 (1.93)
BG10-31	3.15 (0.192)	230 (3336)	250 (3625)	280 (4061)	39.3 (1.55)	81.4 (3.20)	82.1 (3.23)	71.4 (2.81)	0.903 (1.99)
BG10-38	3.80 (0.232)	220 (3191)	240 (3481)	260 (3771)	40.6 (1.60)	83.9 (3.30)	84.6 (3.33)	73.9 (2.91)	0.94 (2.07)
BG10-43	4.28 (0.261)	220 (3191)	240 (3481)	260 (3771)	41.5 (1.63)	85.8 (3.38)	86.5 (3.41)	75.8 (2.98)	0.963 (2.12)
BG10-50	4.97 (0.303)	190 (2756)	210 (3046)	230 (3336)	42.9 (1.69)	90.1 (3.55)	89.2 (3.51)	78.5 (3.09)	1.007 (2.22)
BG10-62	6.21 (0.379)	190 (2756)	210 (3046)	230 (3336)	45.3 (1.78)	94.9 (3.74)	94 (3.70)	83.3 (3.28)	1.072 (2.36)
BG10-78	7.80 (0.476)	170 (2466)	190 (2756)	210 (3046)	48.4 (1.91)	99.5 (3.91)	100.2 (3.94)	89.5 (3.52)	1.147 (2.53)
BG10-99	9.85 (0.601)	150 (2175)	170 (2466)	190 (2756)	108.2 (4.260)	109.1 (4.29)	108.2 (4.26)	97.5 (3.84)	1.266 (2.79)

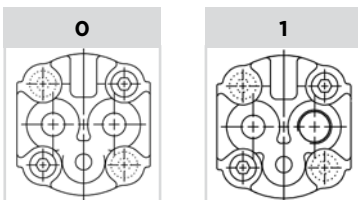
ALBERI CONSIGLIATI - SUGGESTED SHAFTS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that depends on the displacement

COPERCHI DISPONIBILI - AVAILABLE COVERS


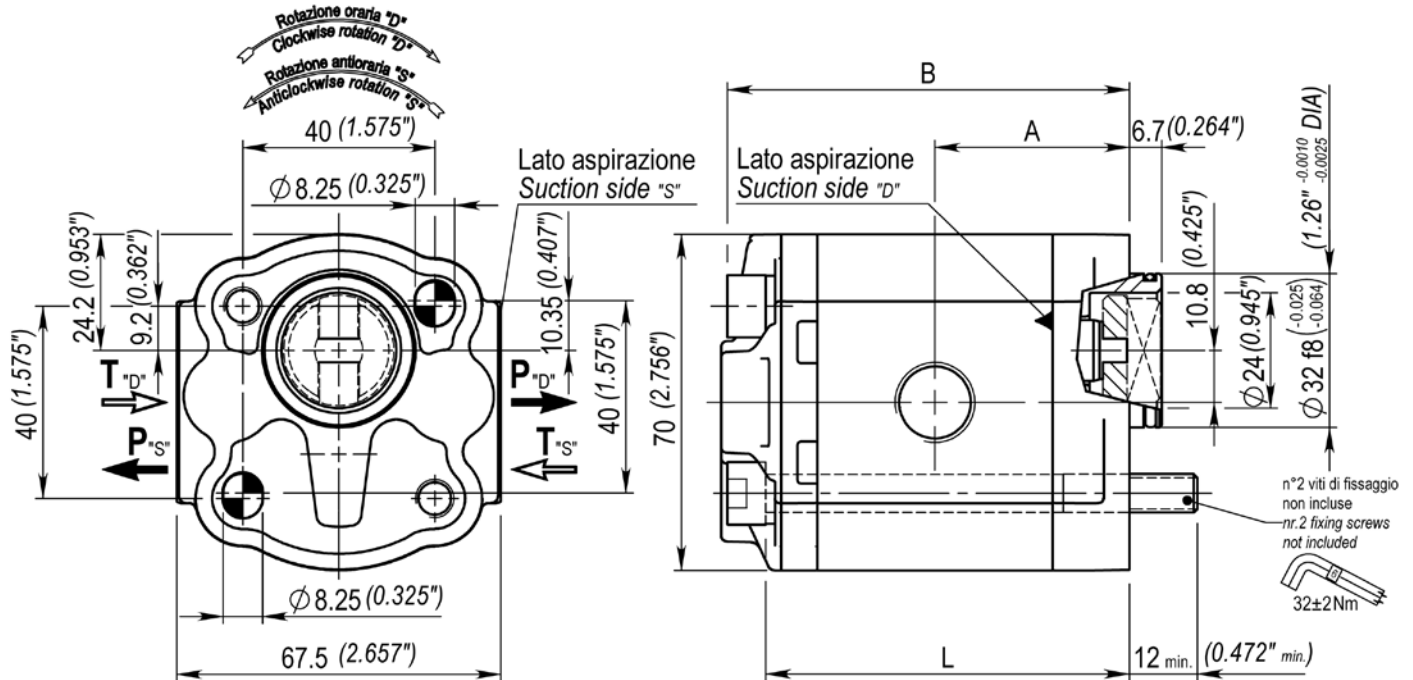
Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CODICE ORDINAZIONE - ORDERING CODE

BG10	CODICE CODE	
	CILINDRATA DISPLACEMENT	09 13 16 21 25 31 38 43 50 62 78 99 0.95 1.26 1.64 2.05 2.56 3.15 3.80 4.28 4.97 6.21 7.80 9.85
	FLANGIA FLANGE	MZD Minicentralina destra con foro mandata With delivery hole for right power pack MZS Minicentralina sinistra con foro mandata With delivery hole for left power pack
	FLANGIA E COPERCHIO FLANGE AND COVER	A Alluminio Aluminium
	ALBERO SHAFT	T50 F50 D60
	CONNESSIONE ASPIRAZIONE SUCTION CONNECTION	0 Corpo senza aspirazione Body without suction E T Aspirazione su corpo Suction on the body G U
	CONNESSIONE MANDATA DELIVERY CONNECTION	0 Corpo senza mandata Body without delivery
	CONNESSIONE CONNECTION	EEx TT4 GG4 UUx 000
	ROTAZIONE ROTATION	D Rotazione destra (solo MZD) Clockwise rotation (only MZD) S Rotazione sinistra (solo MZS) Anticlockwise rotation (only MZS)
	COPERCHIO STANDARD STANDARD COVER	0 Standard Standard 1 Aspirazione su coperchio Suction on the cover
	GUARNIZIONI SEALS	0 Tenute in Nbr Nbr seals V Tenute in Viton® Viton® seals

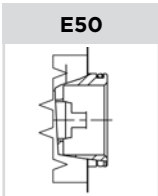
BG10 GR.1

FLANGIA DA ELETTROPOMPA E32C **EZ1**
 FLANGE E32C FOR ELECTRO PUMP **EZ1**

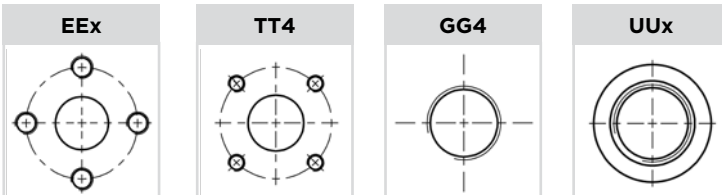


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm ³ /giro Displacement (in ³ /rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions			Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	L mm (in)	
BG10-09	0.95 (0.058)	240 (3336)	260 (3625)	290 (4061)	35 (1.38)	74.4 (2.93)	62.8 (2.470)	0.784 (1.73)
BG10-13	1.26 (0.077)	240 (3336)	260 (3626)	290 (4061)	35.6 (1.40)	75.2 (2.96)	64.0 (2.518)	0.771 (1.70)
BG10-16	1.64 (0.100)	240 (3481)	260 (3771)	290 (4206)	36.4 (1.43)	76.7 (3.02)	65.5 (2.577)	0.789 (1.74)
BG10-21	2.05 (0.125)	240 (3481)	260 (3771)	290 (4206)	37.2 (1.46)	78.3 (3.08)	67.1 (2.640)	0.809 (1.78)
BG10-25	2.56 (0.156)	230 (3336)	250 (3625)	280 (4061)	38.2 (1.50)	80.3 (3.16)	69.1 (2.719)	0.840 (1.85)
BG10-31	3.15 (0.192)	230 (3336)	250 (3625)	280 (4061)	39.3 (1.55)	82.6 (3.25)	71.4 (2.809)	0.867 (1.91)
BG10-38	3.80 (0.232)	220 (3191)	240 (3481)	260 (3771)	40.6 (1.60)	85.1 (3.35)	73.9 (2.907)	0.904 (1.99)
BG10-43	4.28 (0.261)	220 (3191)	240 (3481)	260 (3771)	41.5 (1.63)	87 (3.43)	75.8 (2.982)	0.927 (2.04)
BG10-50	4.97 (0.303)	190 (2756)	210 (3046)	230 (3336)	42.9 (1.69)	90.1 (3.55)	78.5 (3.089)	0.971 (2.14)
BG10-62	6.21 (0.379)	190 (2756)	210 (3046)	230 (3336)	45.3 (1.78)	94.9 (3.74)	83.3 (3.278)	1.035 (2.28)
BG10-78	7.80 (0.476)	170 (2466)	190 (2756)	210 (3046)	48.4 (1.91)	100.7 (3.96)	89.5 (3.522)	1.113 (2.45)
BG10-99	9.85 (0.601)	150 (2175)	170 (2466)	190 (2756)	52.4 (2.06)	109.1 (4.30)	97.5 (3.837)	1.227 (2.70)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS


Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

CONNESSIONI DISPONIBILI - SAVALIABLE CONNECTIONS


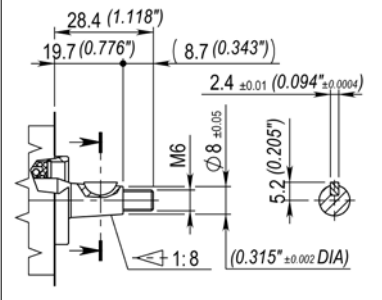
Vedi dimensioni a fine sezione BG10
See dimensions at the end of section BG10

“X” = numero variabile dipendente dalla cilindrata
“X” = variable number that depends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG10	CODICE CODE	
	CILINDRATA DISPLACEMENT	09 13 16 21 25 31 38 43 50 62 78 99 0.95 1.26 1.64 2.05 2.56 3.15 3.80 4.28 4.97 6.21 7.80 9.85
	FLANGIA FLANGE	EZ1 E32c da elettropompa E32c for electro pump
	FLANGIA E COPERCHIO FLANGE AND COVER	A Alluminio Aluminium
	ALBERO SHAFT	E50
	CONNESSIONE CONNECTION	EEx TT4 GG4 UUx
	ROTAZIONE ROTATION	D Rotazione destra Clockwise rotation S Rotazione sinistra Anticlockwise rotation
	COPERCHIO STANDARD STANDARD COVER	0 Standard Standard
	GUARNIZIONI SEALS	0 Tenute in Nbr Nbr seals V Tenute in Viton® Viton® seals
	ACCESSORI OPTIONALS	3 Con giunto With coupling

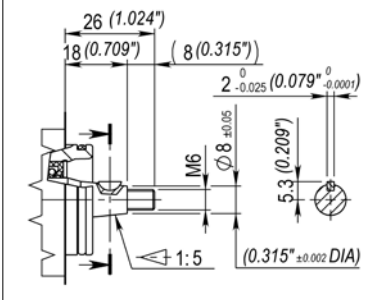
T80



CONICITÀ 1:8
TAPER 1:8

Coppia max trasmissibile 28 Nm
Max torque 28 Nm

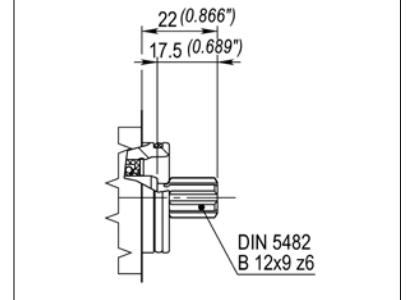
T50



CONICITÀ 1:5
TAPER 1:5

Coppia max trasmissibile 33 Nm
Max torque 33 Nm

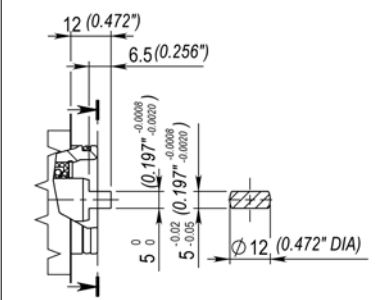
D60



DIN Z6
DIN Z6

Coppia max trasmissibile 26 Nm
Max torque 26 Nm

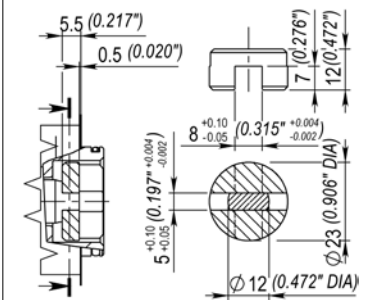
F50



PENNA PER MINICENTRALINA
TANG DRIVE FOR POWER PACK

Coppia max trasmissibile 20 Nm
Max torque 20 Nm

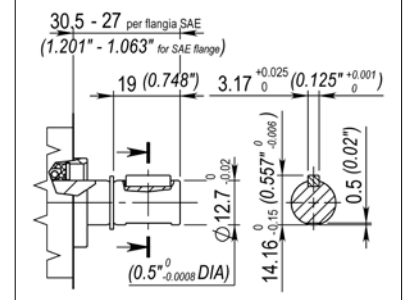
E50



PENNA PER ELETTROPOMPA
TANG DRIVE ELECTRIC PUMP

Coppia max trasmissibile 20 Nm
Max torque 20 Nm

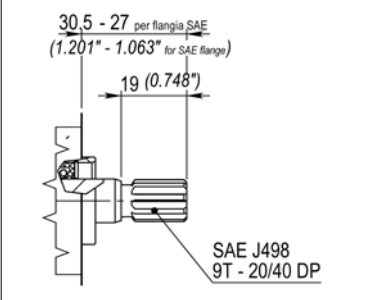
P30



CILINDRICO SAE
SAE CYLINDRICAL

Coppia max trasmissibile 33 Nm
Max torque 33 Nm

S90



SCANALATO SAE 9 DENTI
SAE SPLINED 9 TEETH

Coppia max trasmissibile 35 Nm
Max torque 35 Nm

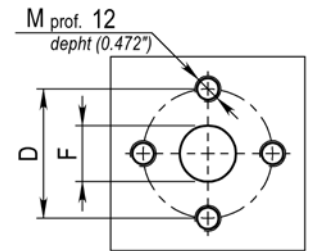
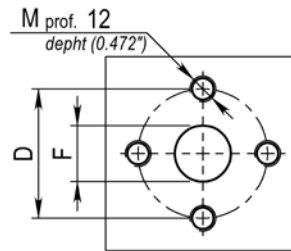
Nel caso di montaggio con flangia SAE AA (cod.S20)
le sporgenze vanno ridotte di 3.5 mm (0.1378 In.)
When assembled with SAE AA flange (S20 code)
the shaft dimensions must be reduced by 0.1378 In. (3.5 mm)

ASPIRAZIONE lato riferimento
SUCTION reference side

MANDATA
DELIVERY

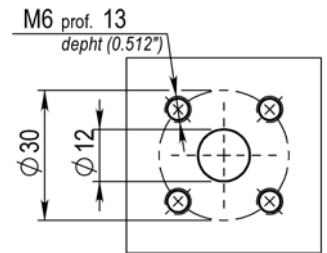
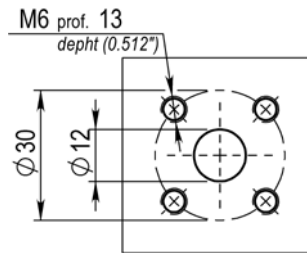
STANDARD EUROPEO - EUROPEAN STANDARD

Grandezza Size	Codice Code	D	F	M
09-21	EE4	26 (1.023)	10 (0.393)	M5
25-99	EE6	30 (1.181)	13 (0.512)	M6



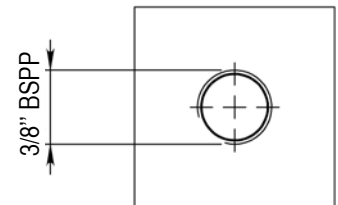
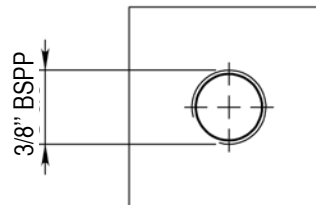
UNIFICAZIONE TEDESCA - GERMAN UNIFICATION

Grandezza Size	Codice Code
09-99	TT4



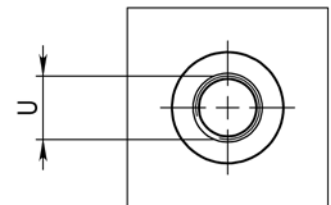
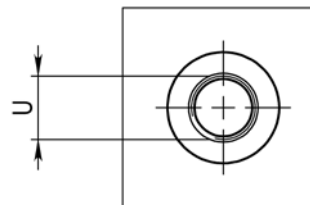
FILETTATURE BSPP - BSPP THREADS

Grandezza Size	Codice Code
09-99	GG4



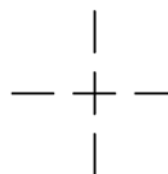
FILETTATURE SAE - SAE THREADS

Grandezza Size	Codice Code	D
09-21	UU4	9/16"-18 UNF
25-99	UU6	3/4"-16 UNF

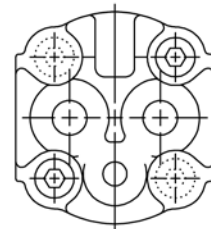


CORPO NEUTRO (SENZA ATTACCHI)
NEUTRAL BODY (WITHOUT CONNECTIONS)

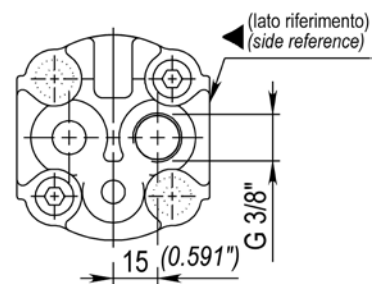
Grandezza Size	Codice Code
09-99	000



COPERCHIO STANDARD - STANDARD COVER	
Grandezza Size	Codice Code
09-99	0



ASPIRAZIONE SU COPERCHIO FILETTATO BSP SUCTION ON THE COVER BSP THREADED	
Grandezza Size	Codice Code
09-99	1





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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =



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