POMPE
AD INGRANAGGI
GEAR PUMPS

B&C
HYDRAULICS

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.

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.

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.

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

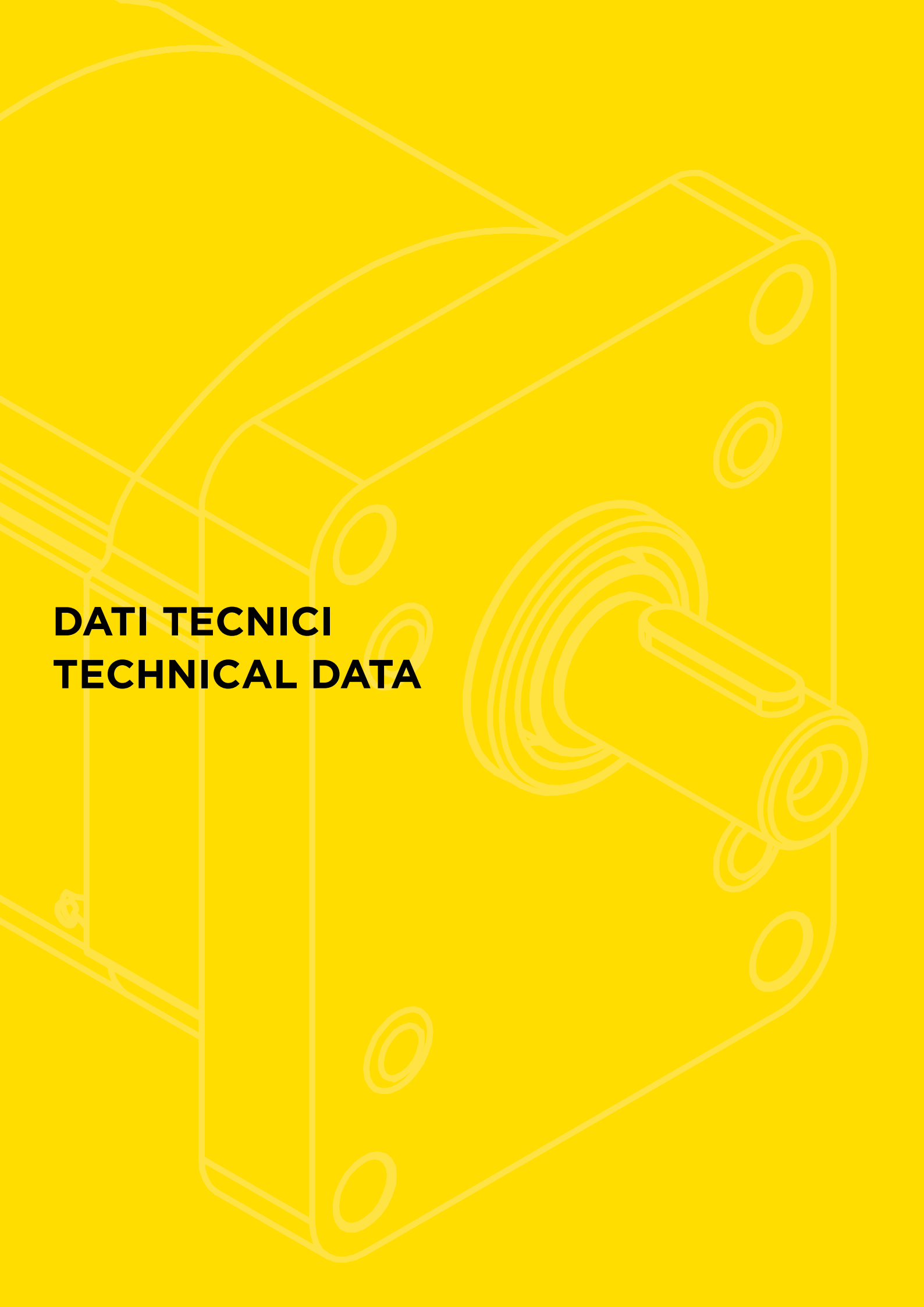
- Verificare il corretto senso di rotazione della pompa.
- Collegare il condotto di aspirazione al lato della pompa riportante l'apposito riferimento o, in sua assenza, al foro di dimensione maggiore.
- Non sono ammessi carichi assiali e/o radiali sull'albero della pompa: effettuare il collegamento all'albero 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

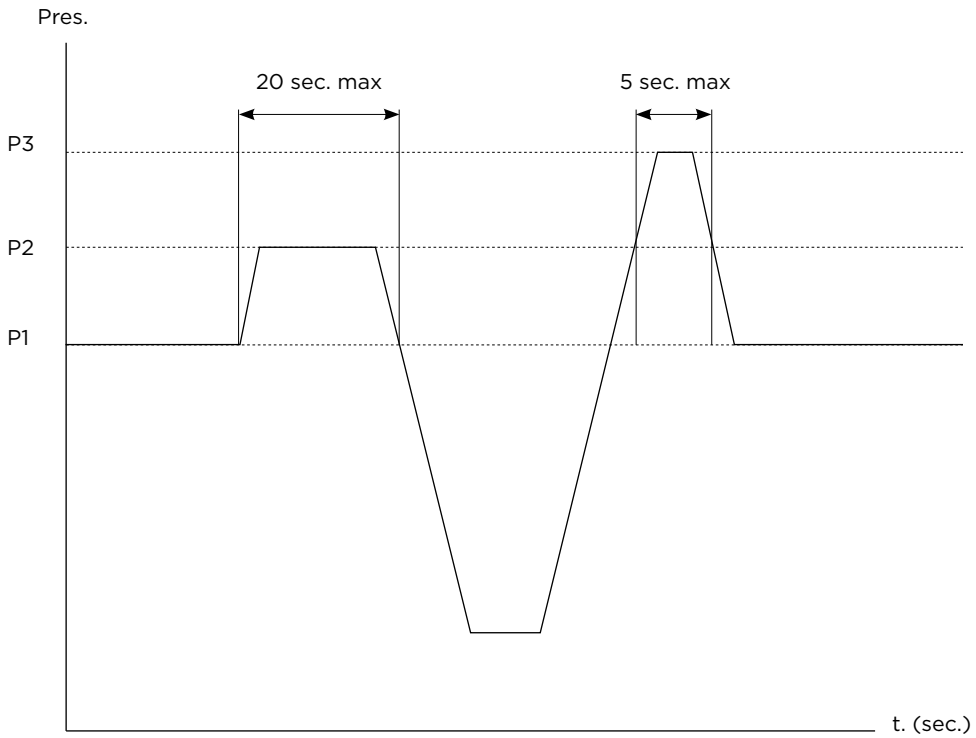
- Check for correct pump rotation in the proper direction.
- Connect the suction pipe to the pump side marked by the relevant sign or, failure of any mark, to the largest hole.
- Do not apply any axial/radial loads on the shaft of the pump. Do not use a rigid coupling for connection to the motor shaft, 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.



DATI TECNICI
TECHNICAL DATA

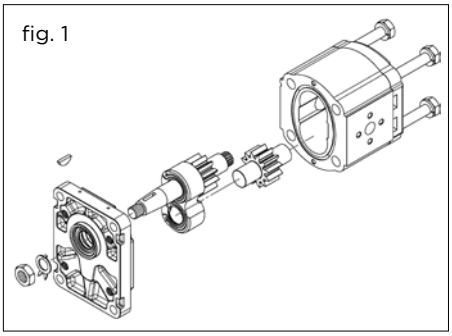


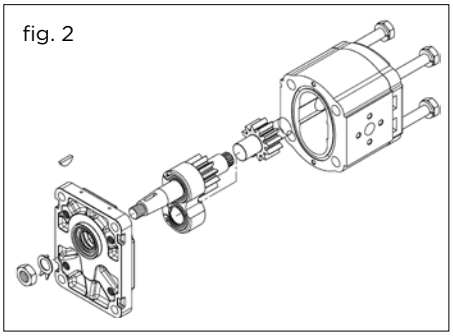
P3: Pressione max di picco
Max peak pressure

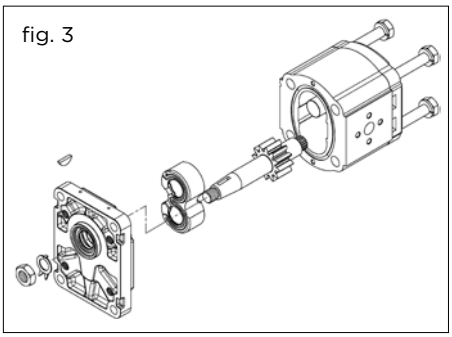
P2: Press. max intermittente
Max intermit. pressure

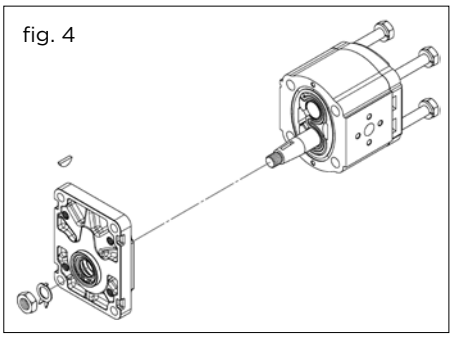
P1: Pressione max continua
Max cont. pressure

INVERSIONE SENSO DI ROTAZIONE - ROTATION REVERSAL







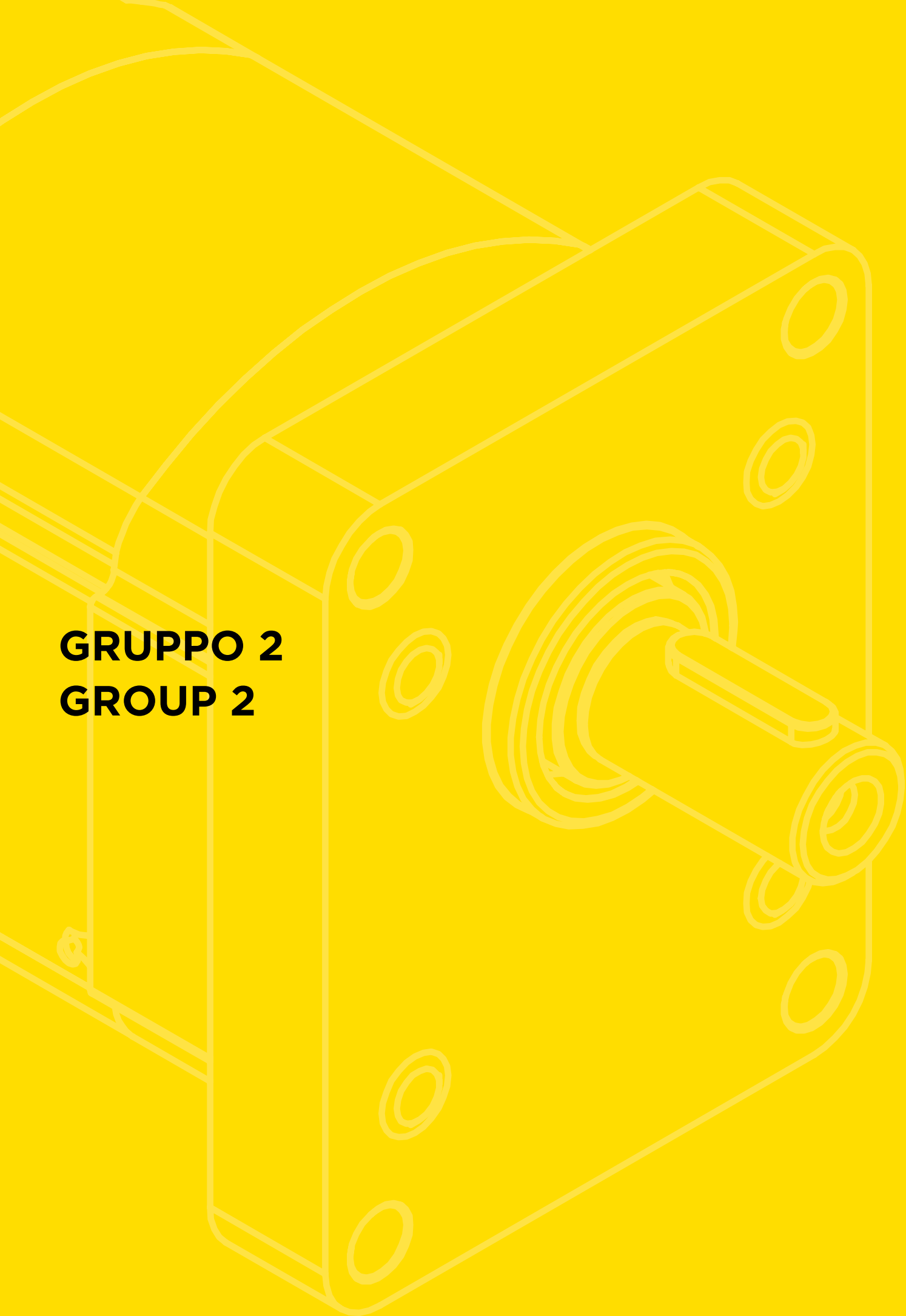


I. Smontare la pompa (fig.1)
Disassemble the pump.

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 47Nm ±3 (fig.4)
Reverse the flange and reassemble the pump thightening the screws with torque of 47Nm ±3.

GRUPPO 2
GROUP 2



BG20 GR. 2

B&C HYDRAULICS

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

Grandezza Size	Cilindrata cm³/giro Displacement (in³/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.* %
BG20-04	4.2 (0.27)	4000	16.8 (4.44)	500	2.1 (0.55)	93
BG20-06	6.2 (0.38)	4000	24.8 (6.55)	500	3.1 (0.82)	94
BG20-08	8.3 (0.51)	3500	29.0 (7.66)	500	4.2 (1.11)	95
BG20-11	11.1 (0.68)	3500	38.9 (10.28)	500	5.6 (1.48)	95
BG20-14	14.2 (0.87)	3500	49.6 (13.10)	500	7.1 (1.88)	95
BG20-17	16.7 (1.02)	3500	58.5 (15.45)	500	8.4 (2.22)	95
BG20-20	19.6 (1.20)	3300	64.7 (17.09)	500	9.8 (2.59)	95
BG20-23	22.7 (1.39)	2800	63.6 (16.8)	500	11.4 (3.01)	95
BG20-26	26.1 (1.59)	2500	65.2 (17.22)	500	13.0 (3.43)	95

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

ST0
Flangia standard
Standard flange

BZ0 / BN0
Flangia B50 C
B50 C flange

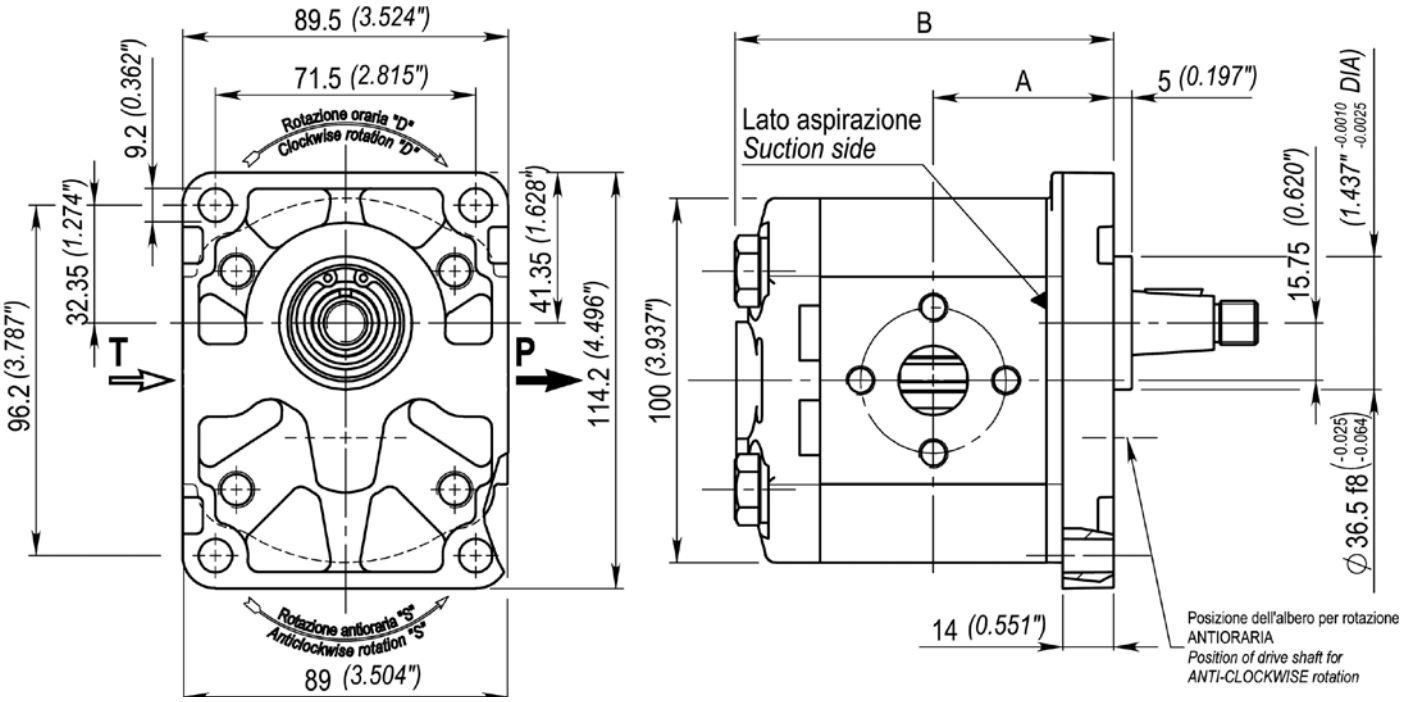
S20 / S21
Flangia Sae A / SAE A-OR
Sae A / SAE A-OR flange

EZ1 / EN1
Flangia E52 C
E52 C flange

B80
Flangia B80 C
B80 C flange

BG20 GR. 2

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

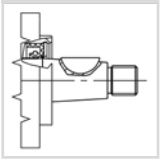


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

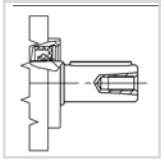
Grandezza Size	Cilindrata cm³/giro Displacement (in³/rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions		Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	
BG20-04	4.2 (0.27)	250 (3625)	270 (3916)	290 (4206)	43.9 (1.73)	92.6 (3.65)	2.16 (4.76)
BG20-06	6.2 (0.38)	250 (3625)	270 (3916)	290 (4206)	45.5 (1.79)	95.9 (3.78)	2.25 (4.96)
BG20-08	8.3 (0.51)	250 (3625)	270 (3916)	290 (4206)	47.3 (1.86)	99.4 (9.91)	2.27 (5.00)
BG20-11	11.1 (0.68)	250 (3625)	270 (3916)	290 (4206)	49.6 (1.95)	104.1 (4.10)	2.46 (5.42)
BG20-14	14.2 (0.87)	250 (3625)	270 (3916)	290 (4206)	52.2 (2.06)	109.2 (4.30)	2.60 (5.73)
BG20-17	16.7 (1.02)	230 (3336)	240 (3481)	250 (3625)	54.3 (2.14)	113.4 (4.47)	2.72 (6.00)
BG20-20	19.6 (1.20)	210 (3046)	220 (3191)	230 (3336)	56.7 (2.32)	118.2 (4.65)	2.85 (6.28)
BG20-23	22.7 (1.39)	190 (2756)	200 (2901)	210 (3046)	59.3 (2.34)	123.4 (4.86)	2.99 (6.59)
BG20-26	26.1 (1.59)	170 (2466)	180 (2611)	190 (2756)	62.1 (2.45)	129.0 (5.08)	3.15 (6.94)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS

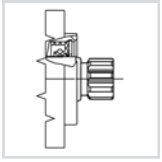
T80



M50



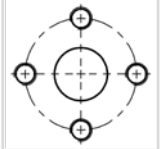
D92



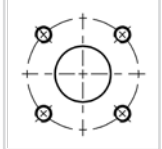
Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

EEx



TTx



GGx

UUx

Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

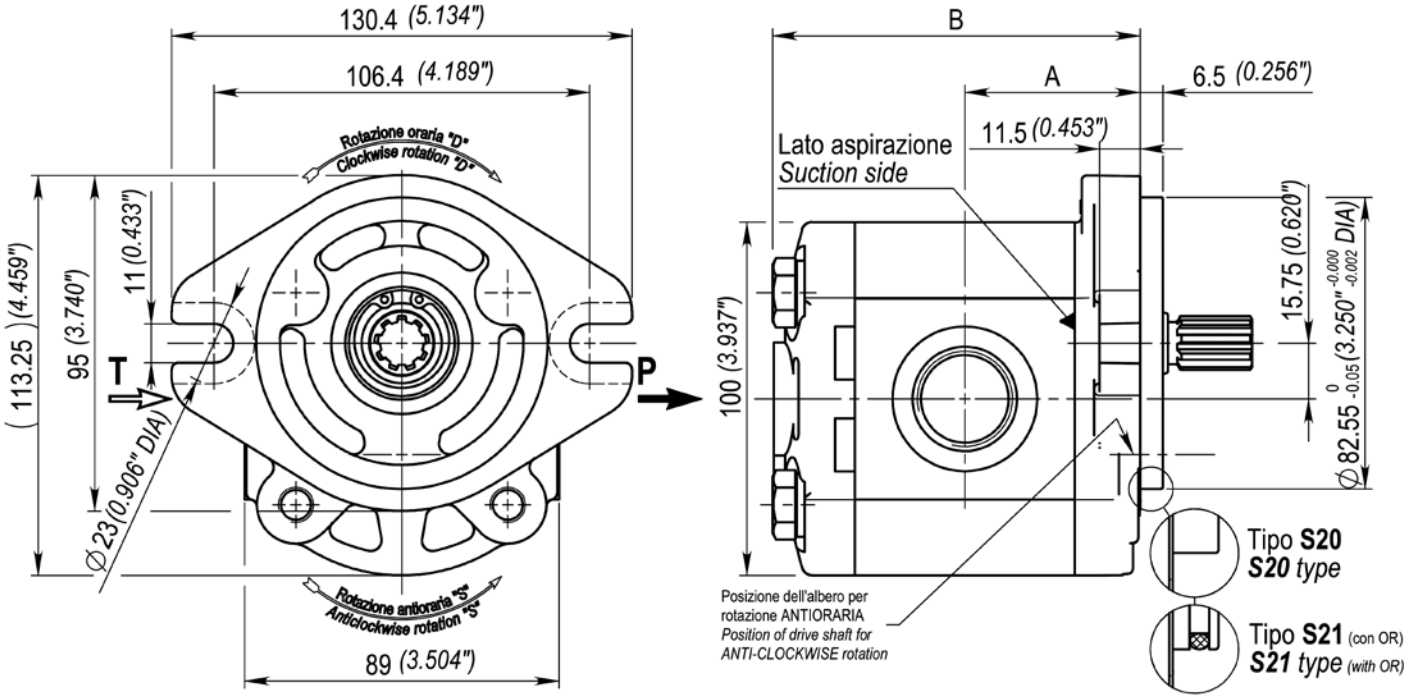
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that dependends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG20	CODICE CODE	
	CILINDRATA DISPLACEMENT	**04** 4.2 **06** 6.2 **08** 8.3 **11** 11.1 **14** 14.2 **17** 16.7 **20** 19.6 **23** 22.7 **26** 26.1
	FLANGIA FLANGE	**ST0** Standard Standard
	FLANGIA E COPERCHIO FLANGE AND COVER	**A** Alluminio Aluminium **G** Ghisa Cast iron (Heavy duty)
	ALBERO SHAFT	**T80** **M50** **D92**
	CONNESSIONE CONNECTION	**EEx** **TTx** **GGx** **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

BG20 GR. 2

FLANGIA SAE A **S20** / SAE A-OR **S21**
SAE A **S20** / SAE A-OR **S21** FLANGE

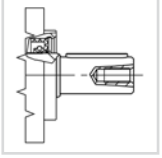


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm³/giro Displacement (in³/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)	
BG20-04	4.2 (0.27)	250 (3625)	270 (3916)	290 (4206)	43.9 (1.73)	92.6 (3.65)	2.18 (4.81)
BG20-06	6.2 (0.38)	250 (3625)	270 (3916)	290 (4206)	45.5 (1.79)	95.9 (3.78)	2.26 (4.98)
BG20-08	8.3 (0.51)	250 (3625)	270 (3916)	290 (4206)	47.3 (1.86)	99.4 (9.91)	2.36 (5.20)
BG20-11	11.1 (0.68)	250 (3625)	270 (3916)	290 (4206)	49.6 (1.95)	104.1 (4.10)	2.48 (5.47)
BG20-14	14.2 (0.87)	250 (3625)	270 (3916)	290 (4206)	52.2 (2.06)	109.2 (4.30)	2.62 5.78)
BG20-17	16.7 (1.02)	230 (3336)	240 (3481)	250 (3625)	54.3 (2.14)	113.4 (4.47)	2.73 (6.02)
BG20-20	19.6 (1.20)	210 (3046)	220 (3191)	230 (3336)	56.7 (2.32)	118.2 (4.65)	2.87 (6.33)
BG20-23	22.7 (1.39)	190 (2756)	200 (2901)	210 (3046)	59.3 (2.34)	123.4 (4.86)	3.01 (6.64)
BG20-26	26.1 (1.59)	170 (2466)	180 (2611)	190 (2756)	62.1 (2.45)	129.0 (5.08)	3.16 (6.97)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS

M50



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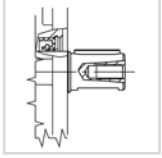
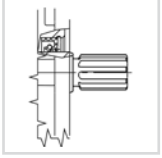


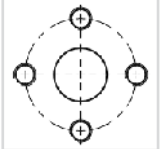
S90



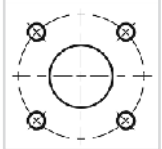
Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

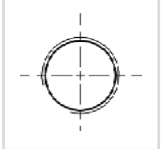
EEx



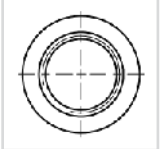
TTx



GGx



UUx



Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

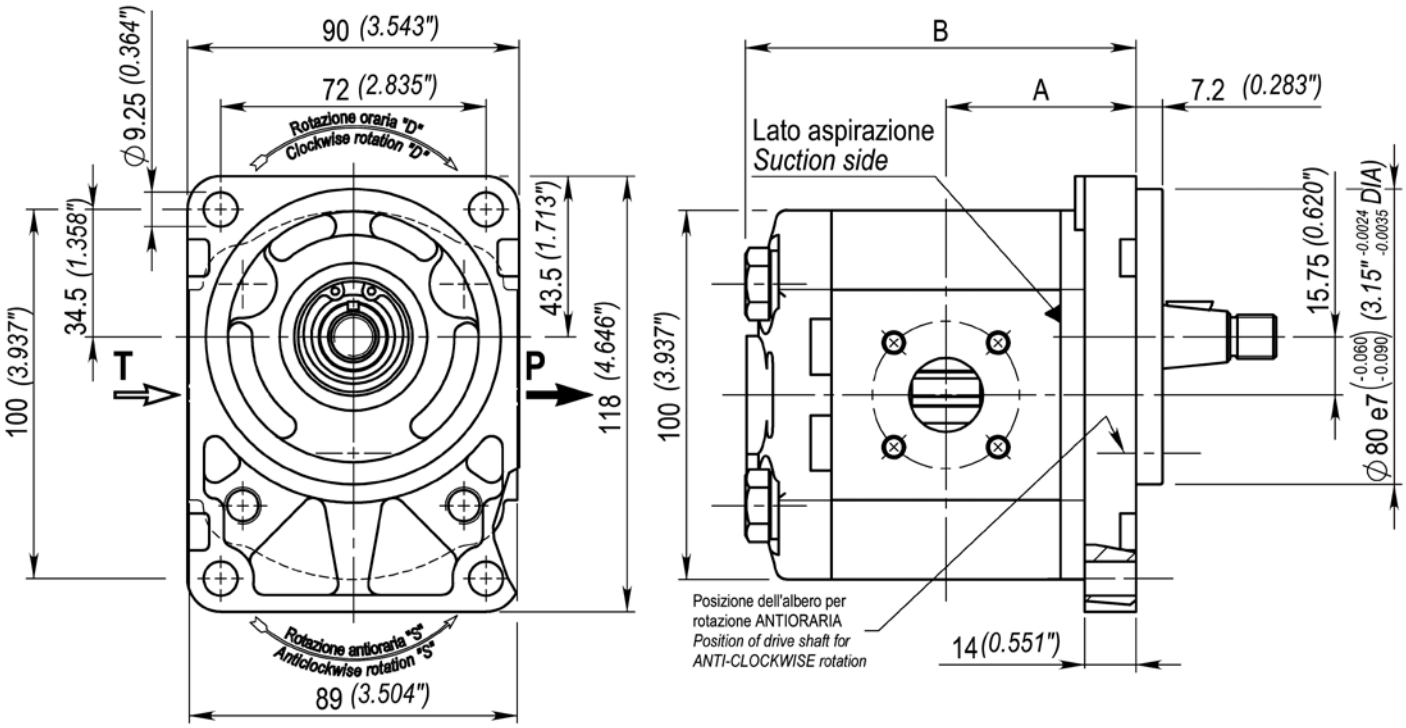
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that dependends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG20	CODICE CODE	
	CILINDRATA DISPLACEMENT	**04** 4.2 **06** 6.2 **08** 8.3 **11** 11.1 **14** 14.2 **17** 16.7 **20** 19.6 **23** 22.7 **26** 26.1
	FLANGIA FLANGE	**S20** SAE A SAE A **S21** SAE con O-Ring SAE with O-Ring
	FLANGIA E COPERCHIO FLANGE AND COVER	**A** Alluminio Aluminium **G** Ghisa Cast iron (Heavy duty)
	ALBERO SHAFT	**M50** **P60** **S90**
	CONNESSIONE CONNECTION	**EEx** **TTx** **GGx** **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

BG20 GR. 2

FLANGIA B80 C **B80**
B80 C FLANGE **B80**

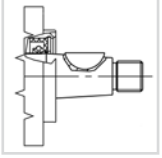


DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

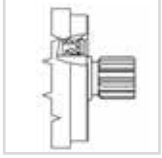
Grandezza Size	Cilindrata cm³/giro Displacement (in³/rev)	Pressione max di esercizio Max working pressure			Dimensioni Dimensions		Massa kg Mass (lbs)
		P1 Bar (psi)	P2 Bar (psi)	P3 Bar (psi)	A mm (in)	B mm (in)	
BG20-04	4.2 (0.27)	250 (3625)	270 (3916)	290 (4206)	45.9 (1.81)	94.6 (3.72)	2.23 (4.92)
BG20-06	6.2 (0.38)	250 (3625)	270 (3916)	290 (4206)	47.5 (1.87)	97.9 (3.85)	2.31 (5.09)
BG20-08	8.3 (0.51)	250 (3625)	270 (3916)	290 (4206)	49.3 (1.94)	101.4 (9.99)	2.41 (5.31)
BG20-11	11.1 (0.68)	250 (3625)	270 (3916)	290 (4206)	51.6 (2.03)	106.1 (4.18)	2.52 (5.56)
BG20-14	14.2 (0.87)	250 (3625)	270 (3916)	290 (4206)	54.2 (2.13)	111.2 (4.38)	2.66 (5.86)
BG20-17	16.7 (1.02)	230 (3336)	240 (3481)	250 (3625)	56.3 (2.22)	115.4 (4.54)	2.79 (6.15)
BG20-20	19.6 (1.20)	210 (3046)	220 (3191)	230 (3336)	58.7 (2.31)	120.2 (4.73)	2.92 (6.44)
BG20-23	22.7 (1.39)	190 (2756)	200 (2901)	210 (3046)	61.3 (2.41)	125.4 (4.94)	3.07 (6.77)
BG20-26	26.1 (1.59)	170 (2466)	180 (2611)	190 (2756)	64.1 (2.52)	131.0 (5.16)	3.21 (7.08)

ALBERI CONSIGLIATI - SUGGESTED SHAFTS

T50



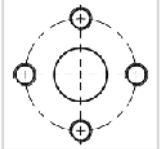
D90



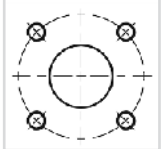
Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

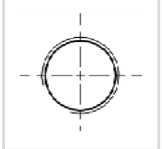
EEx



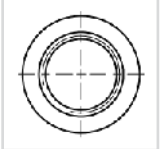
TTx



GGx



UUx



Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

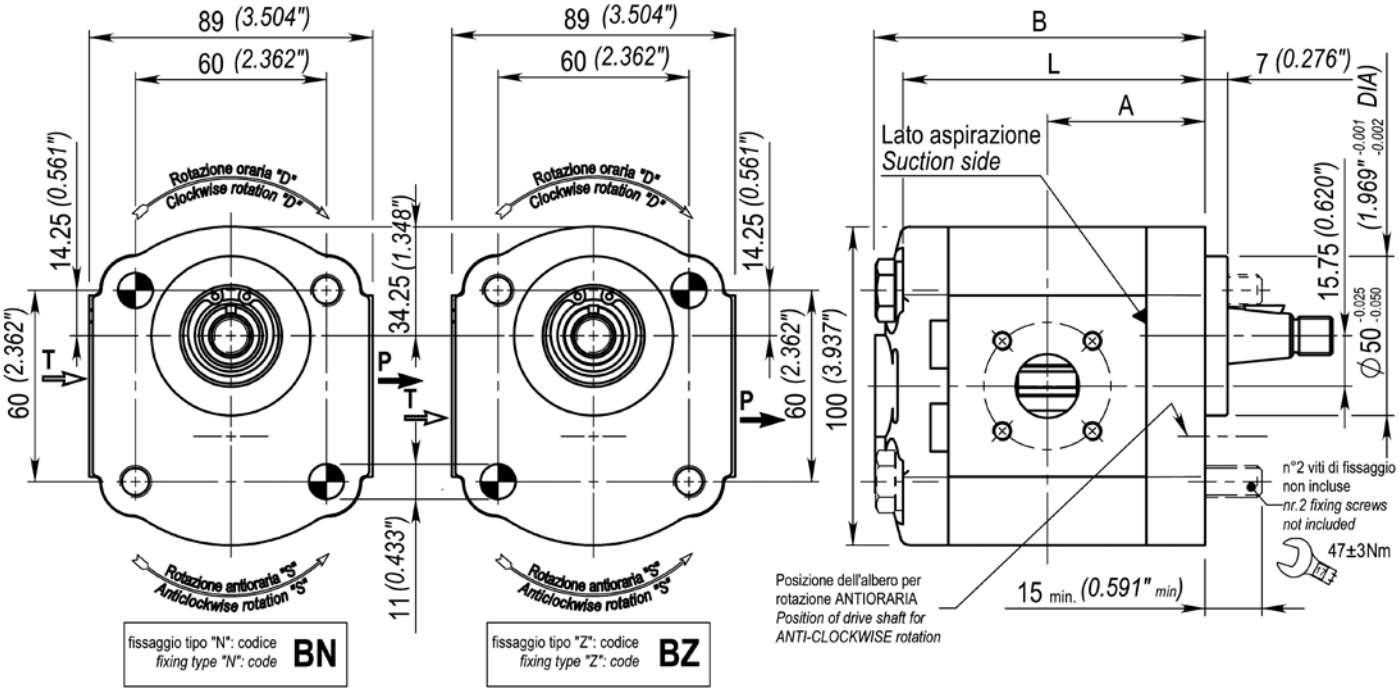
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that dependends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG20	CODICE CODE	
	CILINDRATA DISPLACEMENT	**04** 4.2 **06** 6.2 **08** 8.3 **11** 11.1 **14** 14.2 **17** 16.7 **20** 19.6 **23** 22.7 **26** 26.1
	FLANGIA FLANGE	**B80** Flangia B80 C B80 C Flange
	FLANGIA E COPERCHIO FLANGE AND COVER	**A** Alluminio Aluminium
	ALBERO SHAFT	**T50** **D90**
	CONNESSIONE CONNECTION	**EEx** **TTx** **GGx** **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

BG20 GR. 2

FLANGIA B50 C **BZ0 / BN0**
B50 C FLANGE **BZ0 / BN0**



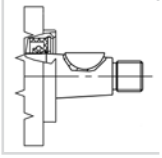
DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm³/giro Displacement (in³/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)	
BG20-04	4.2 (0.27)	250 (3625)	270 (3916)	290 (4206)	43.9 (1.73)	92.6 (3.65)	83.5 (3.29)	2.00 (4.41)
BG20-06	6.2 (0.38)	250 (3625)	270 (3916)	290 (4206)	45.5 (1.79)	95.9 (3.78)	86.8 (3.42)	2.09 (4.61)
BG20-08	8.3 (0.51)	250 (3625)	270 (3916)	290 (4206)	47.3 (1.86)	99.4 (9.91)	90.3 (3.56)	2.18 (4.81)
BG20-11	11.1 (0.68)	250 (3625)	270 (3916)	290 (4206)	49.6 (1.95)	104.1 (4.10)	95.0 (3.74)	2.30 (5.07)
BG20-14	14.2 (0.87)	250 (3625)	270 (3916)	290 (4206)	52.2 (2.06)	109.2 (4.30)	100.1 (3.94)	2.43 (5.36)
BG20-17	16.7 (1.02)	230 (3336)	240 (3481)	250 (3625)	54.3 (2.14)	113.4 (4.47)	104.3 (4.106)	2.54 (5.60)
BG20-20	19.6 (1.20)	210 (3046)	220 (3191)	230 (3336)	56.7 (2.32)	118.2 (4.65)	109.1 (4.30)	2.67 (5.89)
BG20-23	22.7 (1.39)	190 (2756)	200 (2901)	210 (3046)	59.3 (2.34)	123.4 (4.86)	114.3 (4.50)	2.80 (6.17)
BG20-26	26.1 (1.59)	170 (2466)	180 (2611)	190 (2756)	62.1 (2.45)	129.0 (5.08)	119.9 (4.72)	2.95 (6.50)

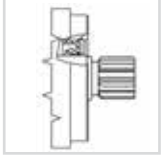
* Massa senza viti di fissaggio * Mass without fixing screws

ALBERI CONSIGLIATI - SUGGESTED SHAFTS

T50



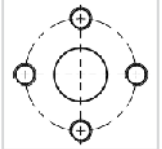
D90



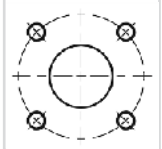
Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

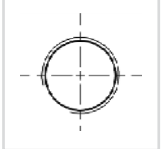
EEx



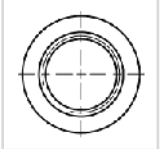
TTx



GGx



UUx



Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

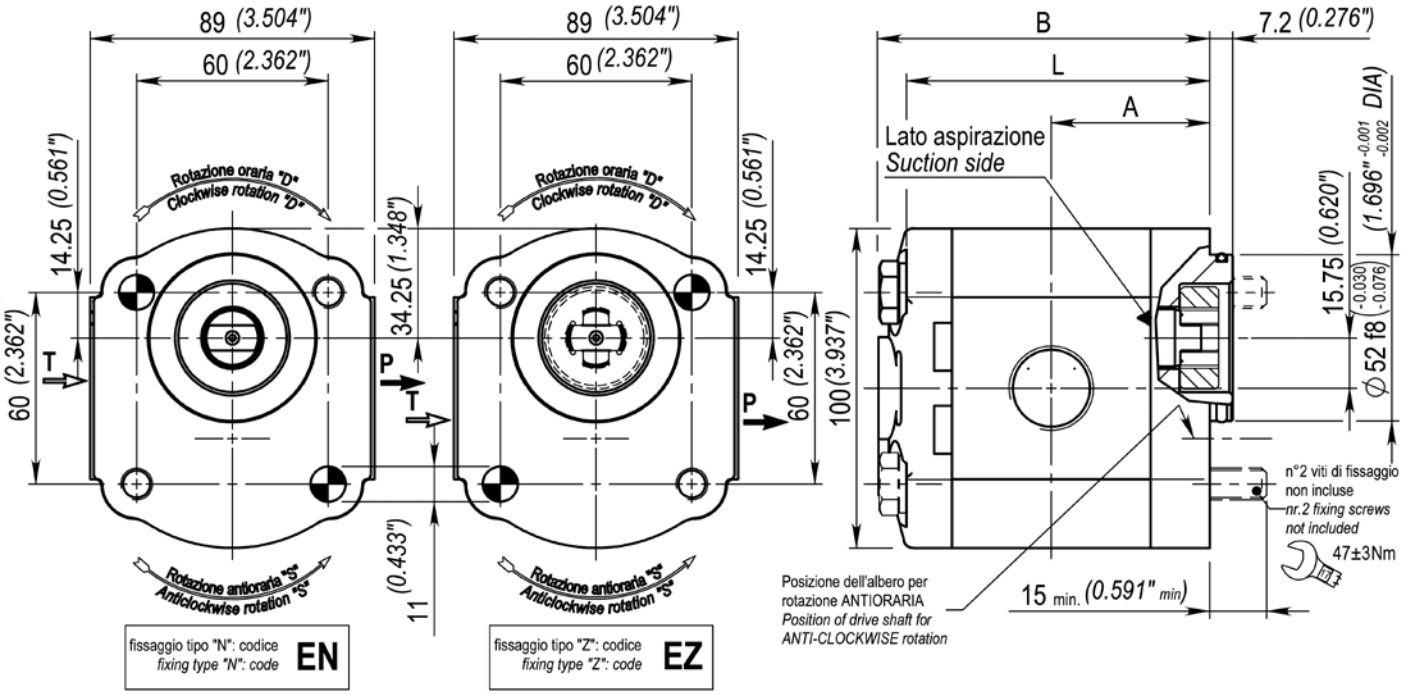
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that dependends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG20	CODICE CODE	
	CILINDRATA DISPLACEMENT	**04** 4.2 **06** 6.2 **08** 8.3 **11** 11.1 **14** 14.2 **17** 16.7 **20** 19.6 **23** 22.7 **26** 26.1
	FLANGIA FLANGE	**BZ0** B50 C fissaggio "Z" B50 C "Z" assembly **BN0** B50 C fissaggio "N" B50 C "N" assembly
	FLANGIA E COPERCHIO FLANGE AND COVER	**A** Alluminio Aluminium
	ALBERO SHAFT	**T50** **D90**
	CONNESSIONE CONNECTION	**EEx** **TTx** **GGx** **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

BG20 GR. 2

FLANGIA E52 C **EZ1 / EN1**
E52 C FLANGE **EZ1 / EN1**



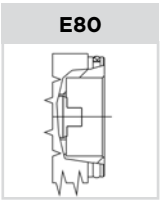
DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

Grandezza Size	Cilindrata cm³/giro Displacement (in³/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)	
BG20-04	4.2 (0.27)	250 (3625)	270 (3916)	290 (4206)	43.9 (1.73)	92.6 (3.65)	83.5 (3.29)	1.91 (4.21)
BG20-06	6.2 (0.38)	250 (3625)	270 (3916)	290 (4206)	45.5 (1.79)	95.9 (3.78)	86.8 (3.42)	1.99 (4.39)
BG20-08	8.3 (0.51)	250 (3625)	270 (3916)	290 (4206)	47.3 (1.86)	99.4 (9.91)	90.3 (3.56)	2.08 (4.59)
BG20-11	11.1 (0.68)	250 (3625)	270 (3916)	290 (4206)	49.6 (1.95)	104.1 (4.10)	95.0 (3.74)	2.20 (4.85)
BG20-14	14.2 (0.87)	250 (3625)	270 (3916)	290 (4206)	52.2 (2.06)	109.2 (4.30)	100.1 (3.94)	2.33 (5.14)
BG20-17	16.7 (1.02)	230 (3336)	240 (3481)	250 (3625)	54.3 (2.14)	113.4 (4.47)	104.3 (4.106)	2.44 (5.38)
BG20-20	19.6 (1.20)	210 (3046)	220 (3191)	230 (3336)	56.7 (2.32)	118.2 (4.65)	109.1 (4.30)	2.57 (5.67)
BG20-23	22.7 (1.39)	190 (2756)	200 (2901)	210 (3046)	59.3 (2.34)	123.4 (4.86)	114.3 (4.50)	2.71 (5.97)
BG20-26	26.1 (1.59)	170 (2466)	180 (2611)	190 (2756)	62.1 (2.45)	129.0 (5.08)	119.9 (4.72)	2.85 (6.28)

* Massa senza viti di fissaggio e giunto * Mass without fixing screws and joint

ALBERI CONSIGLIATI - SUGGESTED SHAFTS

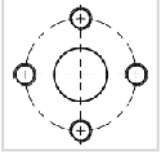
E80



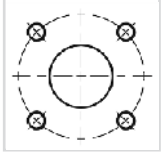
Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

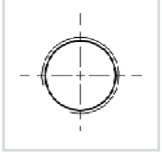
EEx



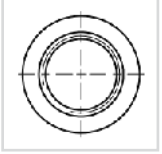
TTx



GGx



UUx



Vedi dimensioni a fine sezione BG20
See dimensions at the end of section BG20

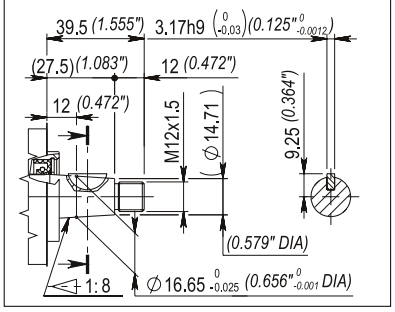
"X" = numero variabile dipendente dalla cilindrata
"X" = variable number that dependends on the displacement

CODICE ORDINAZIONE - ORDERING CODE

BG20	CODICE CODE	
	CILINDRATA DISPLACEMENT	**04** 4.2 **06** 6.2 **08** 8.3 **11** 11.1 **14** 14.2 **17** 16.7 **20** 19.6 **23** 22.7 **26** 26.1
	FLANGIA FLANGE	**EZ1** E52 C FISSAGGIO "Z" E52 C "Z" ASSEMBLY **EN1** E52C C FISSAGGIO "N" E52 C "N" ASSEMBLY
	FLANGIA E COPERCHIO FLANGE AND COVER	**A** Alluminio Aluminium
	ALBERO SHAFT	**E80**
	CONNESSIONE CONNECTION	**EEx** **TTx** **GGx** **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

ALBERI
SHAFTS

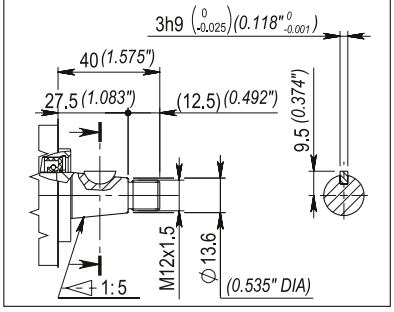
T80



CONICITÀ 1:8
TAPER 1:8

Coppia max trasmissibile 135 Nm
Max torque 135 Nm

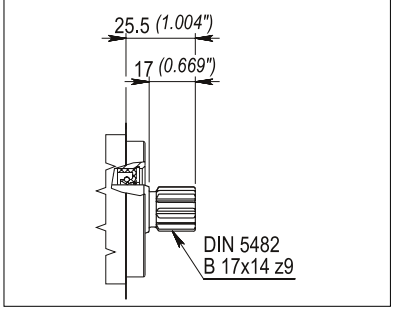
T50



CONICITÀ 1:5
TAPER 1:5

Coppia max trasmissibile 140 Nm
Max torque 140 Nm

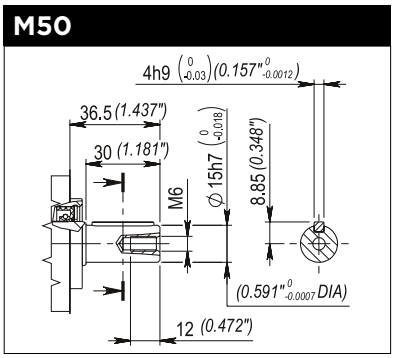
D90



DIN Z9 FLANGIA TEDESCA
DIN Z9 GERMAN FLANGE

Coppia max trasmissibile 110 Nm
Max torque 110 Nm

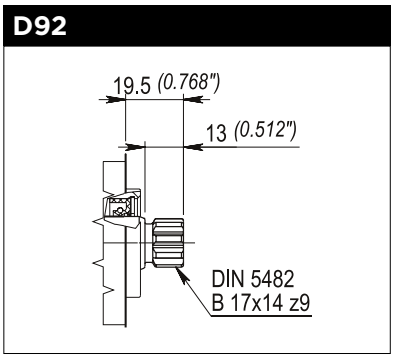
M50



CILINDRICO
CYLINDRICAL

Coppia max trasmissibile 90 Nm
Max torque 90 Nm

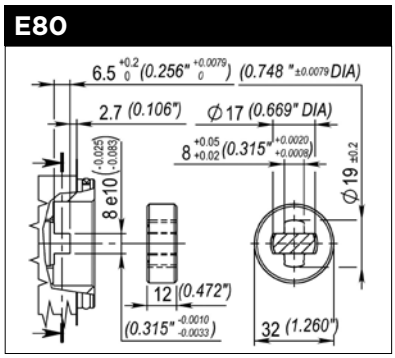
D92



DIN Z9 FLANGIA STANDARD
DIN Z9 STANDARD FLANGE

Coppia max trasmissibile 110 Nm
Max torque 110 Nm

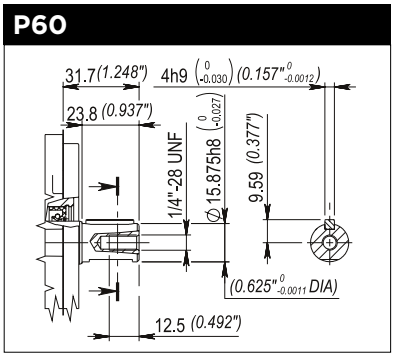
E80



PENNA PER ELETTROPOMPA
TANG DRIVE FOR ELECTRIC MOTOR

Coppia max trasmissibile 70 Nm
Max torque 70 Nm

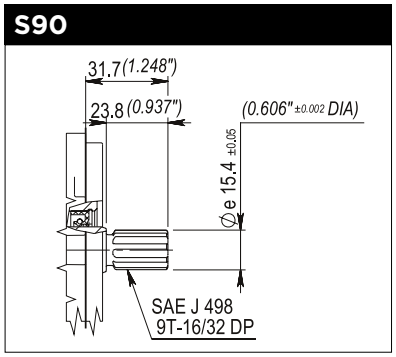
P60



CILINDRICO SAE
SAE CYLINDRICAL

Coppia max trasmissibile 85 Nm
Max torque 85 Nm

S90



SCANALATO SAE 9 DENTI
SAE SPLINED 9 TEETH

Coppia max trasmissibile 85 Nm
Max torque 85 Nm

Nel caso di montaggio con flangia B80 C (cod B80) le sporgenze vanno ridotte di 2 mm (0.079 In.)
When assembled with B80 C flange (B80 code) the shaft dimensions must be reduced by 0.079 In. (2 mm)

CONNESSIONI
CONNECTIONS

STANDARD EUROPEO - EUROPEAN STANDARD					
Grandezza Size	Codice Code	D	F	M	e
04-08	**EE4**	30 (1.18)	13 (0.51)	M6	13 (0.51)
11-26	**EE5**	40 (1.58)	19 (0.75)	M8	15 (0.59)

STANDARD EUROPEO PER MOTORI EUROPEAN STANDARD FOR MOTORS	
Grandezza Size	Codice Code
04-08	/
11-26	**EE6**

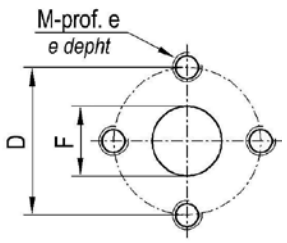
UNIFICAZIONE TEDESCA - GERMAN UNIFICATION			
Grandezza Size	Codice Code	D	F
04-08	**TT4**	35 (1.38)	15 (0.59)
11-26	**TT5**	40 (1.58)	20 (0.79)

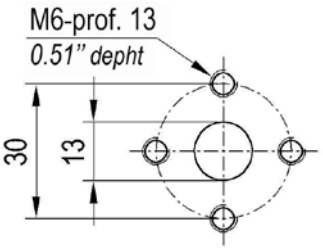
FILETTATURE BSPP - BSPP THREADS		
Grandezza Size	Codice Code	BSPP
04-08	**GG4**	1/2" BSPP
11-26	**GG5**	3/4" BSPP

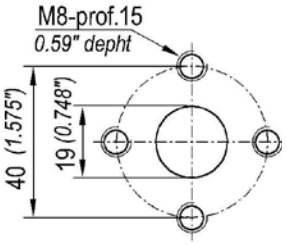
FILETTATURE SAE - SAE THREADS		
Grandezza Size	Codice Code	U
04-08	**UU4**	7/8"-14 UNF
11-26	**UU6**	1-1/16"-12 UNF

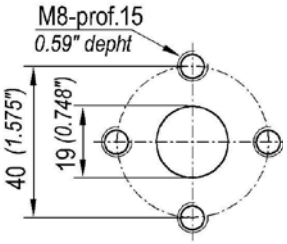
ASPIRAZIONE lato riferimento
SUCTION reference side

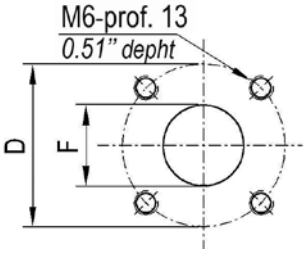
MANDATA
DELIVERY

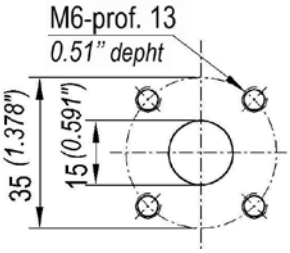


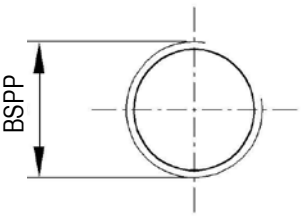


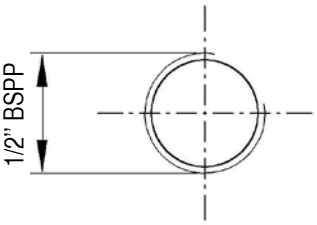


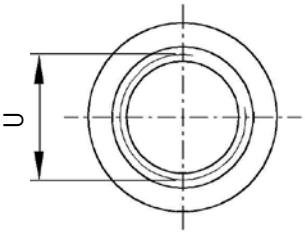


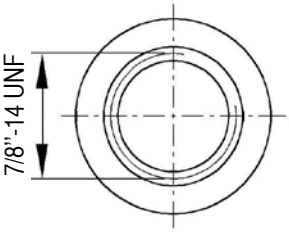






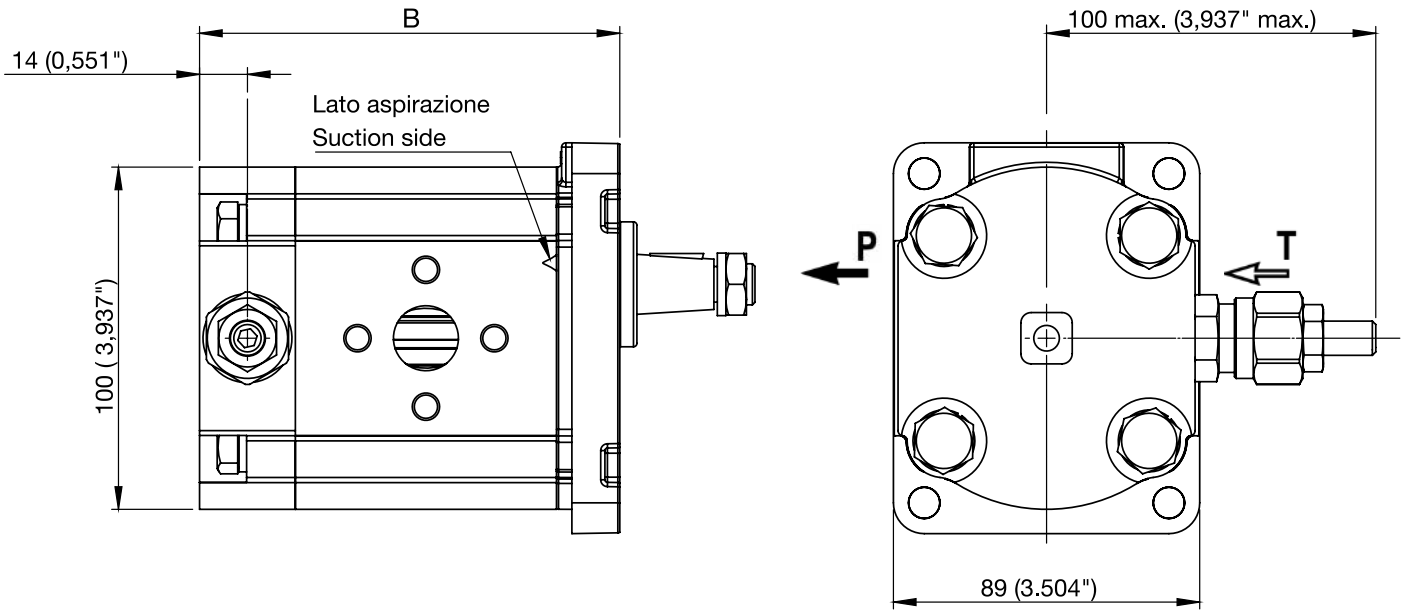


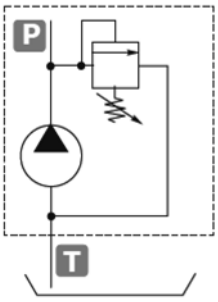


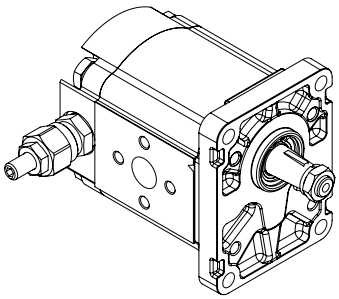


OPZIONI
OPTIONS GR. 2

VALVOLA LIMITATRICE DI PRESSIONE A SCARICO INTERNO
PRESSURE RELIEF VALVE WITH INTERNAL EXHAUST







DIMENSIONI - EXTERNAL DIMENSIONS

Grandezza Size	Dimensioni Dimensions	
	STO-S20/S21-EZ1/EN1-BZ0/BN0 B mm (in)	B80 B mm (in)
BG20-04	97.6 (3.84")	99.6 (3.92")
BG20-06	100.9 (3.97")	102.9 (4.05")
BG20-08	104.4 (4.11")	106.4 (4.19")
BG20-11	109.1 (4.3")	111.1 (4.37")
BG20-14	114.2 (4.5")	116.2 (4.57")
BG20-17	118.4 (4.66")	120.4 (4.74")
BG20-20	123.2 (4.85")	125.2 (4.93")
BG20-23	128.4(5.06")	130.4 (5.13")
BG20-26	134 (5.28")	136 (5.35")

La valvola limitatrice di pressione PRVC35 si applica sostituendo il coperchio posteriore della pompa.
Il materiale del coperchio è disponibile in alluminio e ghisa.

Avvertenze
L'apertura della valvola limitatrice di pressione deve avvenire per tempi non superiori ai 10 secondi ogni minuto, per evitare il surriscaldamento della pompa.

The pressure relief valve PRVC35 can be applied by substituting the rear cover. The cover material is available in aluminium and cast iron.

Warnings
The opening of the pressure relief valve should be carry out for times not over 10" each minute, to avoid the overheating of the pump.

CODICE ORDINAZIONE - ORDERING CODE

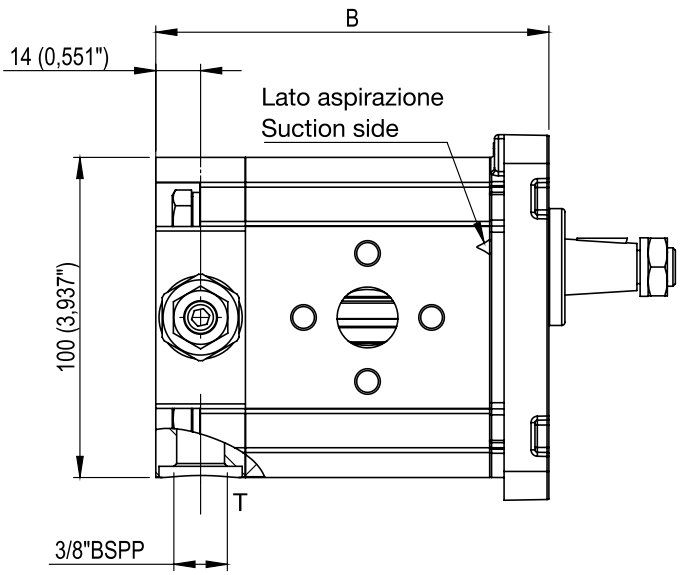
	OPZIONE COPERCHIO PRVC35 SCARICO INTERNO OPTION COVER PRVC35 INTERNAL EXHAUST
H	CAMPI DI TARATURA 5-50 (BAR) CALIBRATION FIELDS 5-50 (BAR)
J	CAMPI DI TARATURA 40-210 (BAR) CALIBRATION FIELDS 40-210 (BAR)
L	CAMPI DI TARATURA 100-350 (BAR) CALIBRATION FIELDS 100-350 (BAR)

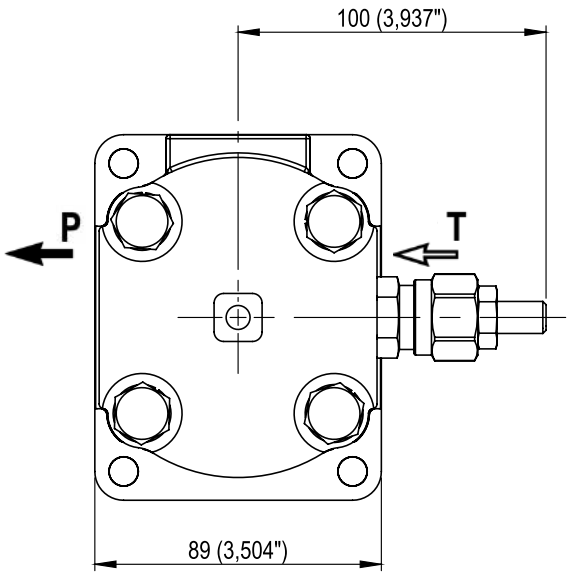
ESEMPIO CODICE ORDINAZIONE - EXAMPLE ORDERING CODE

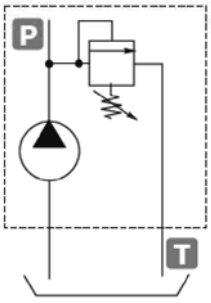
BG20 14 ST0 A T80 EE 5 D J 0

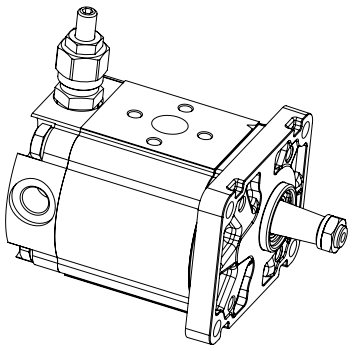
OPZIONI
OPTIONS GR. 2

VALVOLA LIMITATRICE DI PRESSIONE A SCARICO ESTERNO
PRESSURE RELIEF VALVE WITH EXTERNAL EXHAUST









DIMENSIONI - EXTERNAL DIMENSIONS

Grandezza Size	Dimensioni Dimensions	
	STO-S20/S21-EZ1/EN1-BZ0/BN0 B mm (in)	B80 B mm (in)
BG20-04	97.6 (3.84")	99.6 (3.92")
BG20-06	100.9 (3.97")	102.9 (4.05")
BG20-08	104.4 (4.11")	106.4 (4.19")
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BG20-20	123.2 (4.85")	125.2 (4.93")
BG20-23	128.4(5.06")	130.4 (5.13")
BG20-26	134 (5.28")	136 (5.35")

La valvola limitatrice di pressione PRVC35 si applica sostituendo il coperchio posteriore della pompa.
Il materiale del coperchio è disponibile in alluminio e ghisa.

Avvertenze
L'apertura della valvola limitatrice di pressione deve avvenire per tempi non superiori ai 10 secondi ogni minuto, per evitare il surriscaldamento della pompa.

The pressure relief valve PRVC35 can be applied by substituting the rear cover. The cover material is available in aluminium and cast iron.

Warnings
The opening of the pressure relief valve should be carry out for times not over 10'' each minute, to avoid the overheating of the pump.

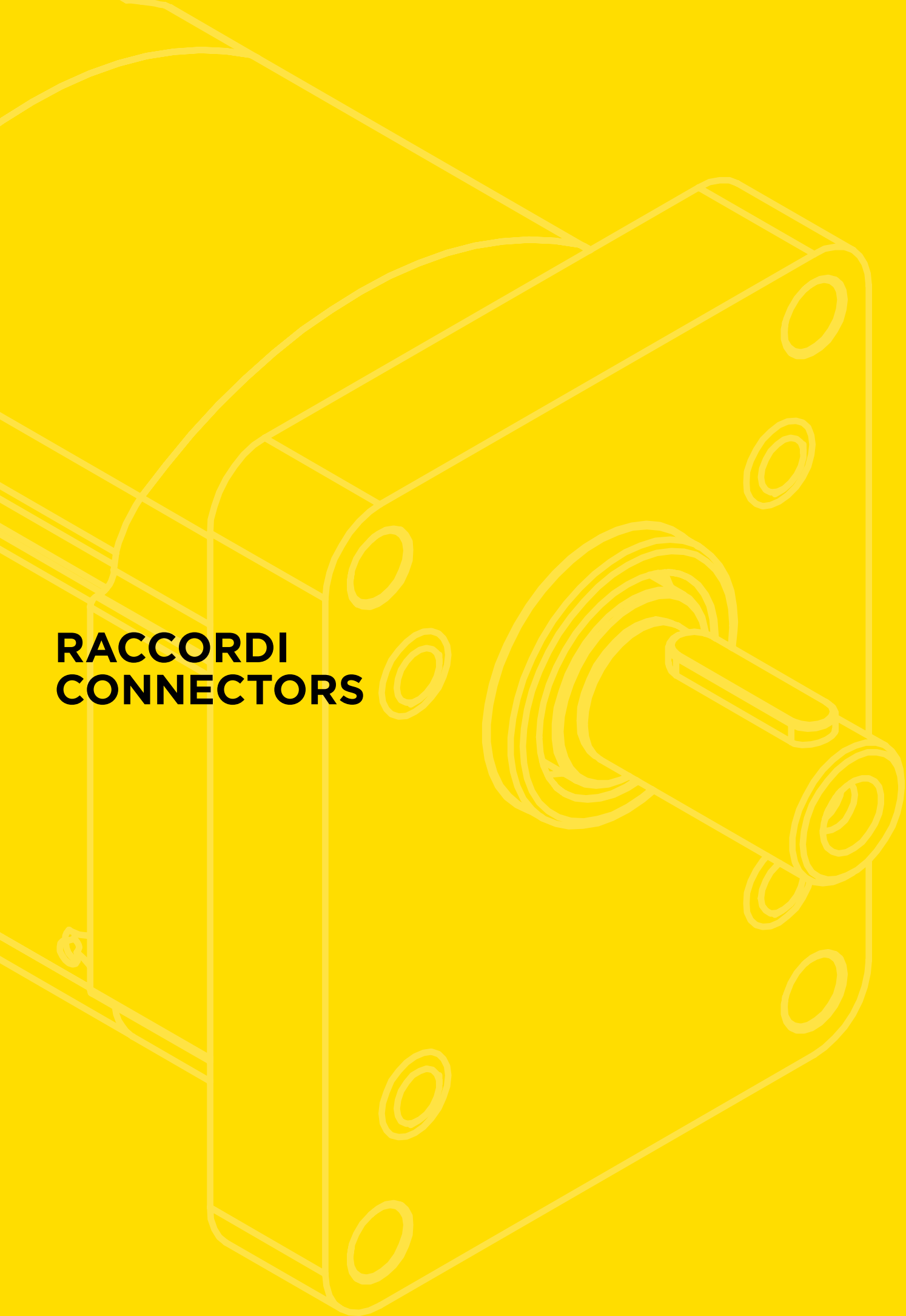
CODICE ORDINAZIONE - ORDERING CODE

	OPZIONE COPERCHIO PRVC35 SCARICO ESTERNO OPTION COVER PRVC35 EXTERNAL EXHAUST
E	CAMPI DI TARATURA 5-50 (BAR) CALIBRATION FIELDS 5-50 (BAR)
F	CAMPI DI TARATURA 40-210 (BAR) CALIBRATION FIELDS 40-210 (BAR)
G	CAMPI DI TARATURA 100-350 (BAR) CALIBRATION FIELDS 100-350 (BAR)

ESEMPIO CODICE ORDINAZIONE - EXAMPLE ORDERING CODE

BG20 14 ST0 A T80 EE 5 D G 0

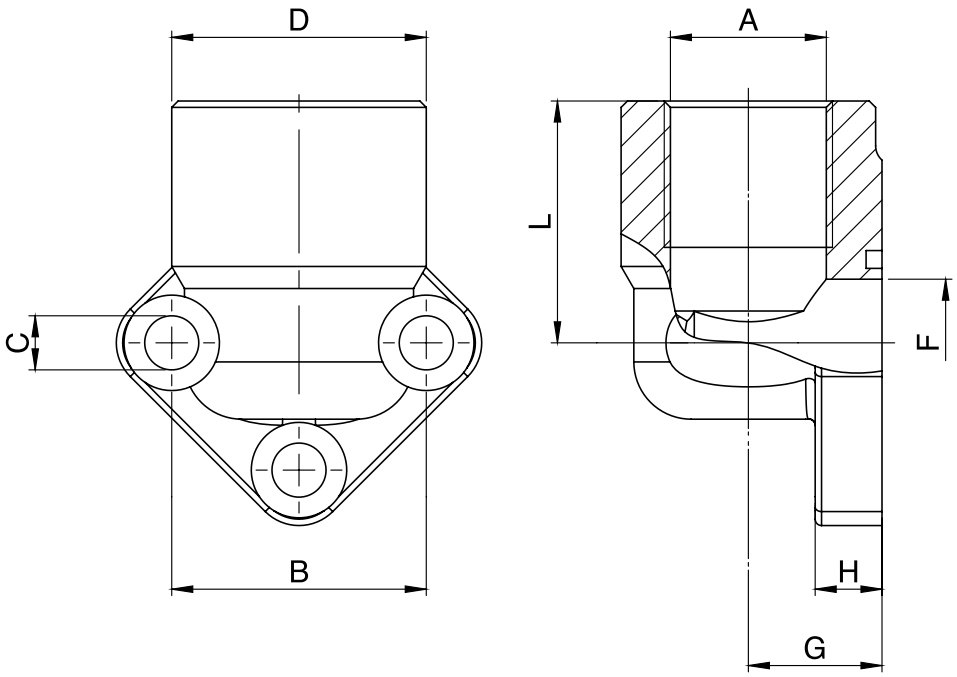
RACCORDI
CONNECTORS

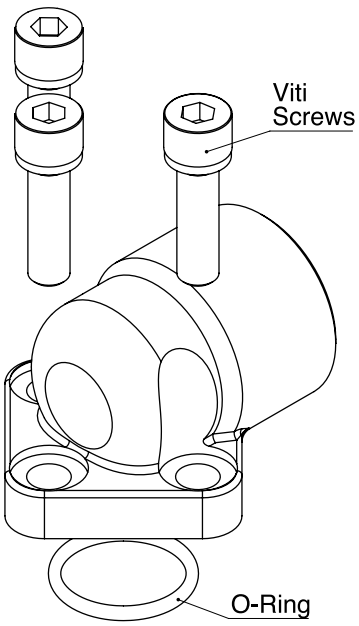


RACCORDI
CONNECTORS

B&C HYDRAULICS

RACCORDI A GOMITO PER CONNESSIONI TIPO “EE”
ELBOW CONNECTORS FOR CONNECTIONS TYPE “EE”





Materiale: acciaio
Material: steel

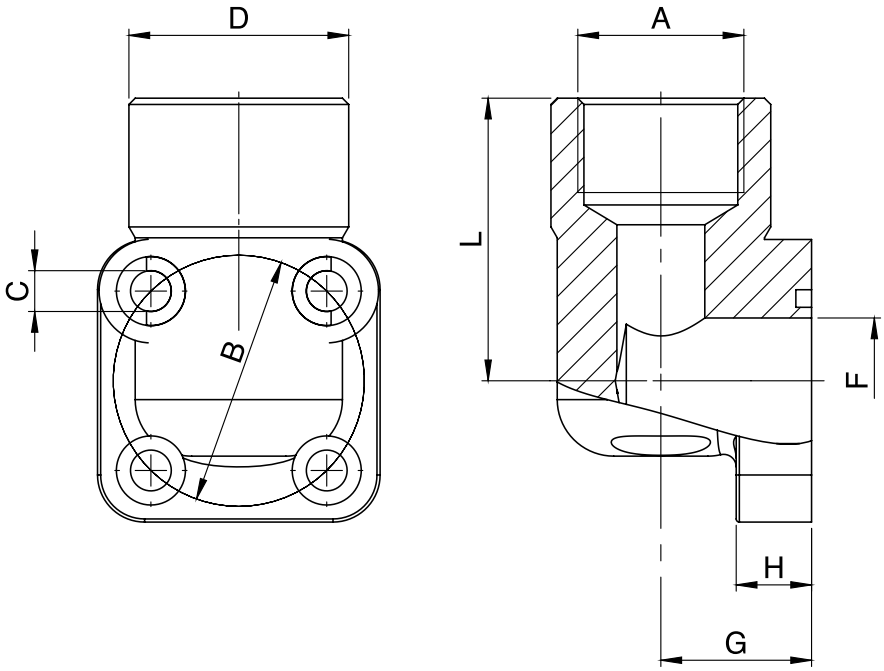
DIMENSIONI - EXTERNAL DIMENSIONS

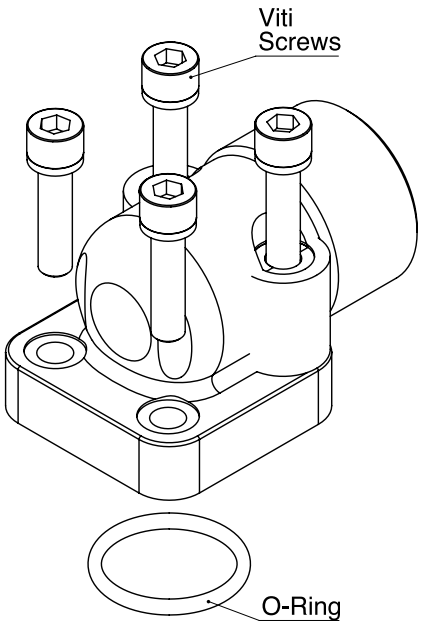
Codice ordinazione Order code	Press. max (bar) Max press. (bar)	Dimensioni Dimensions								N° fori Holes N°	Viti metriche Metric screws	O-ring O-ring
		A	B	C	D	F	G	H	L			
F0001000	300	3/8” BSPP	26	5.5	30.5	11.5	18	9.5	27	3	M5 x 20	2056
F0001100	300	1/2” BSPP	26	5.5	30.5	11.5	18	9.5	27	3	M5 x 20	2056
F0001200	300	3/8” BSPP	30	6.5	30.5	11.5	18	9.5	27	3	M6 x 20	121
F0001300	300	1/2” BSPP	30	6.5	30.5	11.5	18	9.5	27	3	M6 x 20	121
F0001400	300	1/2” BSPP	40	8.5	40	20	21	10.5	38	3	M8 x 25	132
F0001500	300	3/4” BSPP	40	8.5	40	20	21	10.5	38	3	M8 x 25	132
F0001600	300	3/4” BSPP	51	10.5	45	25	27	13.5	47	3	M10 x 30	3125
F0001700	300	1” BSPP	51	10.5	45	25	27	13.5	47	3	M10 x 30	3125

RACCORDI
CONNECTORS

B&C HYDRAULICS

RACCORDI A GOMITO PER CONNESSIONI TIPO “TT”
ELBOW CONNECTORS FOR CONNECTIONS TYPE “TT”





Materiale: acciaio
Material: steel

DIMENSIONI - EXTERNAL DIMENSIONS

Codice ordinazione Order code	Press. max (bar) Max press. (bar)	Dimensioni Dimensions								N° fori Holes N°	Viti metriche Metric screws	O-ring O-ring
		A	B	C	D	F	G	H	L			
F0002800	300	3/8” BSPP	30	6.5	34	12	19	11	41	4	M6 x 20 - M6 x 35	121
F0002900	300	1/2” BSPP	30	6.5	34	12	19	11	41	4	M6 x 20 - M6 x 35	121
F0003000	300	3/8” BSPP	35	6.5	32	13.5	18	11	40	4	M6 x 20 - M6 x 35	3075
F0003100	300	1/2” BSPP	35	6.5	32	13.5	18	11	40	4	M6 x 20 - M6 x 35	3075
F0003200	300	1/2” BSPP	40	6.5	35	20	24	10	45	4	M6 x 25 - M6 x 45	132
F0003300	300	3/4” BSPP	40	6.5	35	20	24	10	45	4	M6 x 25 - M6 x 45	132
F0003400	300	3/4” BSPP	55	8.5	46	25	35	13	54	4	M8 x 25 - M8 x 60	4118
F0003500	300	1” BSPP	55	8.5	46	25	35	13	54	4	M8 x 25 - M8 x 60	4118

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