Part number:

HYDROMA HYDRAULICKÉ SYSTÉMY | HIDROMA SISTEMS UKŁADY HYDRAULICZNE | HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

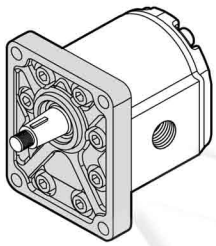
FLANGIA EUROPEA EUR *EUROPEAN FLANGE*

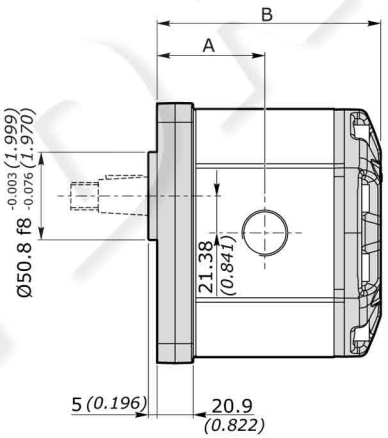
FLANGIA E COPERCHIO IN GHISA - *CAST IRON FLANGE AND COVER*

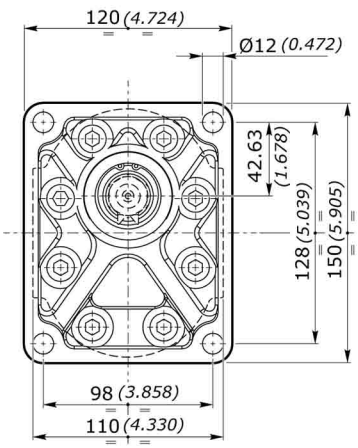
GRUPPO GROUP 3GP	CILINDRATA DISPLACEMENT		PRESSIONE MAX - MAX PRESSURE P1		P2		P3		VELOCITÀ MAX MAX SPEED	PORTATA MAX MAX FLOW		VELOCITÀMIN MIN SPEED
	cm³/giro	in³/rev	bar	psi	bar	psi	bar	psi	giri/min - rpm	l/min	Gal/min	giri/min - rpm
3GP 190	19.3	1.2	250	3625	265	3840	280	4260	3500	67.6	17.84	600
3GP 230	23.0	1.4	250	3625	265	3840	280	4060	3500	80.3	21.22	600
3GP 300	30.2	1.8	240	3480	255	3695	270	3915	3300	99.7	26.33	600
3GP 340	33.8	2.1	240	3480	255	3695	270	3915	3300	111.6	29.49	600
3GP 370	37.5	2.3	230	3335	245	3550	260	3770	3300	123.6	32.66	600
3GP 440	44.6	2.7	220	3190	235	3405	250	3625	3000	133.8	35.35	600
3GP 530	53.0	3.2	210	3045	225	3262	240	3480	3000	159.1	42.04	600
3GP 620	62.7	3.8	190	2755	200	2900	210	3045	2500	156.8	41.41	600
3GP 700	70.5	4.3	180	2610	190	2755	200	2900	2500	176.3	46.58	600
3GP 770	77.2	4.7	170	2465	180	2610	190	2755	2200	169.8	44.84	600

Nota - Per valori di pressione superiori a quelli indicati contattare il Servizio Commerciale.
Note - for higher pressure values please contact our Sales Dpt.

DIMENSIONI • *DIMENSIONS*







GRUPPO - GROUP 3	A mm	A inch	B mm	B inch	MASSA - MASS kg	MASSA - MASS lbs
3GP 190	62.4	2.456	128.3	5.051	7.67	16.91
3GP 230	63.9	2.515	131.3	5.169	7.81	17.21
3GP 300	66.9	2.633	137.3	5.405	8.09	17.82
3GP 340	68.4	2.692	140.3	5.523	8.22	18.12
3GP 370	69.9	2.751	143.3	5.641	8.36	18.43
3GP 440	72.9	2.870	149.3	5.877	8.64	19.04
3GP 530	76.4	3.007	156.3	6.153	8.96	19.75
3GP 620	80.4	3.165	164.3	6.468	9.33	20.56
3GP 700	86.9	3.421	170.8	6.724	9.63	21.22
3GP 770	92.4	3.637	176.3	6.940	9.88	21.77

POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

CODICE ORDINAZIONE • *ORDER CODE*

3GP - G - 340 - D - EUR - B - N - 10 - 0 - G

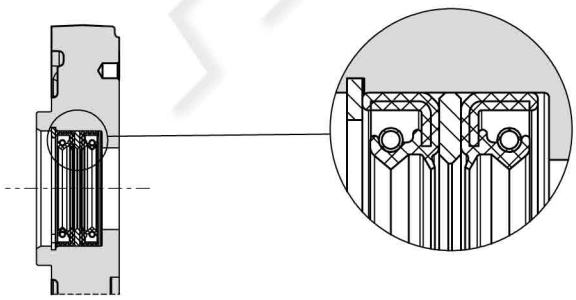
SIGLA - *CODE*	TIPO - *TYPE*	DESCRIZIONE - *DESCRIPTION*	PAGINA - *PAGE*
3GP	Tipo pompa *Pump type*	Pompa singola gruppo 3 *Single pump group 3*	6
G	Materiale flangia e coperchio *Flange and cover material*	**G** = Ghisa / *Cast iron*	72
340	Cilindrata *Displacement*	Cilindrata = 33.8 cm^3/giro *Displacement = 2.1 in^3/rev*	6
D	Senso di rotazione *Rotation wise*	**D** = Rotazione destra / *Clockwise rotation* **S** = Rotazione sinistra / *Anticlockwise rotation* **R** = Reversibile / *Reversible*	8
EUR	Tipo Flangia *Flange type*	Flangia standard europea *European standard flange*	72
B	Tipo anello di tenuta *Seal ring type*	Vedi tabella compatibilità *See compatibility table*	
N	Tipo guarnizione *Gasket type*	**N** = NBR **V** = Viton	73
10	Tipo Albero *Shaft type*	Vedi tabella compatibilità *See compatibility table*	
0	Posizione connessione *Connection position*	Vedi tabella compatibilità *See compatibility table*	75
G	Tipo connessione *Connection type*	Vedi tabella compatibilità *See compatibility table*	



VERSIONI CON DOPPIO PARAOLIO • *DOUBLE SHAFT SEAL VERSION*

Disponibili versioni con doppio paraolio per EUR, SAEB, SAEBOR.

Available versions with double shaft seal for EUR, SAEB, SAEBOR.



esempio • *example:*

3GP - G - 340 - D - EUR2 - B - N - 10 - 0 - F

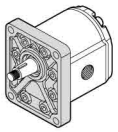
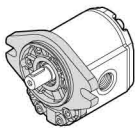
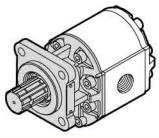
EUR2= Doppio paraolio / *Double Shaft Seal*

Nota - La versione con paraolio è fornita con anelli a bassa pressione o alta pressione tipo K (vedi pag. 72).

Note - The version with shaft seal is supplied with K rings type with low pressure or high pressure (see page 72).

POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

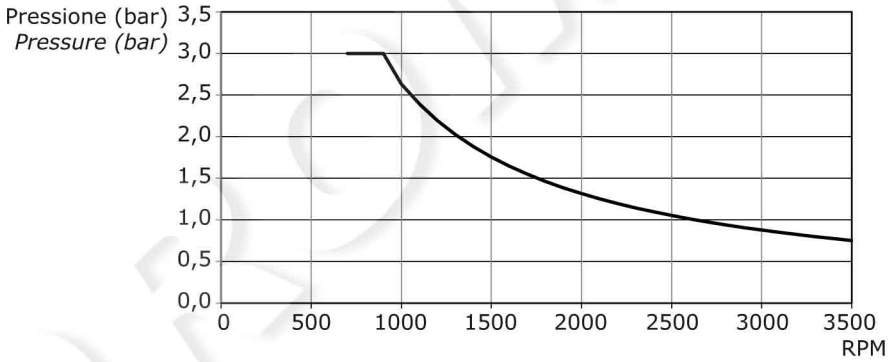
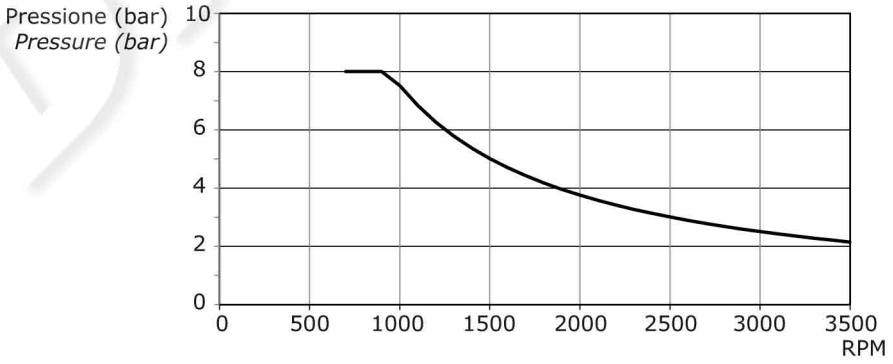
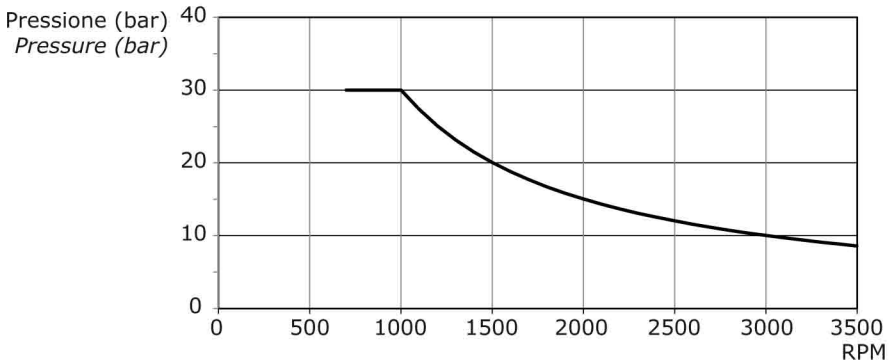
TIPOLOGIA FLANGIA • *FLANGE TYPE*

3GP	EUR	SAEB*	SAEBOR	ZFC
				
A alluminio *aluminium*	non disponibile *not available*	non disponibile *not available*	non disponibile *not available*	non disponibile *not available*
G ghisa *cast iron*	◇	◇	◇	◇

◇ = Combinazione standard - *Standard combination*

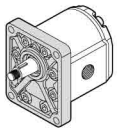
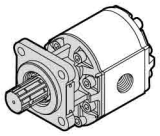
* Contattare il servizio commerciale. */ Available soon. Please contact our Sales Dpt.*

ANELLO DI TENUTA • *SEAL RING*

SIGLA - *CODE*	TIPO - *TYPE*	DIAGRAMMA - *DIAGRAM*
B	Anello di tenuta fino a **3** bar *Sealing ring up to **3** bar*	
H	Anello di tenuta fino a **8** bar *Sealing ring up to **8** bar*	
K	Anello di tenuta fino a **30** bar *Sealing ring up to **30** bar*	

POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

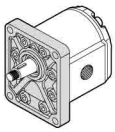
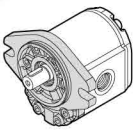
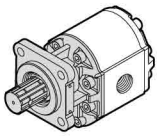
COMBINAZIONE FLANGIA - ANELLO DI TENUTA - GUARNIZIONE • *FLANGE - SEAL RING - GASKET COMBINATION*

3GP		EUR			SAEB*			SAEBOR			ZFC
											
		Anello - *seal ring*			Anello - *seal ring*			Anello - *seal ring*			Anello - *seal ring*
		B	H	K	B	H	K	B	H	K	B
NBR	N	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇
Viton	V	●	●	●	●	●	●	●	●	●	●

esempio • *example:* **3GP - G - 340 - D - EUR - B - N - 10 - 0 - G**

EUR = Flangia europea / *European flange*
B = Anello tenuta fino a 3 bar / Seal ring up to 3 *bar*
N = *Guarnizione in NBR / NBR o-ring*

COMBINAZIONE ALBERO - FLANGIA • *SHAFT - FLANGE COMBINATION*

3GP	EUR	SAEB*	SAEBOR	ZFC
				
10 Conico 1:8 *Tapered 1:8*	◇	●	●	
13 Cilindrico SAEB *SAEB Parallel shaft*	●	◇	◇	
14 Scanalato SAEB 13T (38.2) *SAEB 13T splined (38.2)*	●	◇	◇	
14R Scanalato SAEB 13T (44.7) *SAEB 13T splined (44.7)*	●	●	●	
24 Scanalato UNI8953 *UNI8953 Splined*				◇

◇ = Combinazione standard - *Standard combination* ● = Combinazione disponibile - *Available combination*

* Contattare il servizio commerciale. */Available soon. Please contact our Sales Dpt.*

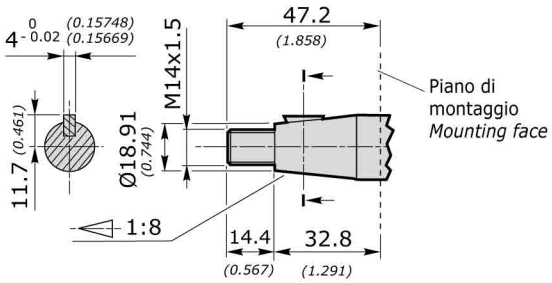
POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

3GP

DIMENSIONI ALBERO - *SHAFT DIMENSIONS*

10
Conico 1:8
Tapered 1:8

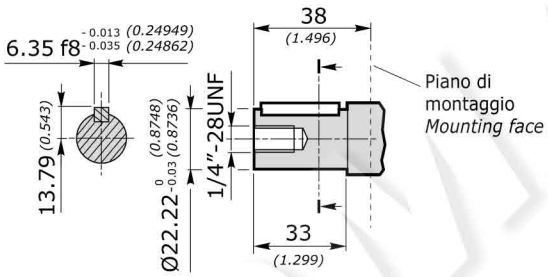
Coppia 240 Nm
Torque 178 ft-lbs



Disponibile per - *available for:* **EUR - SAEB - SAEBOR**

13
Cilindrico SAEB
SAEB Parallel shaft

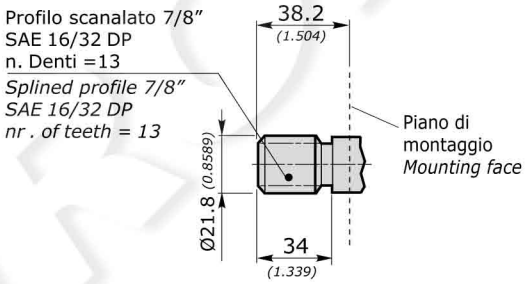
Coppia 200 Nm
Torque 148 ft-lbs



Disponibile per - *available for:* **EUR - SAEB - SAEBOR**

14
Scanalato SAEB
13T (38.2)
SAEB 13T splined (38.2)

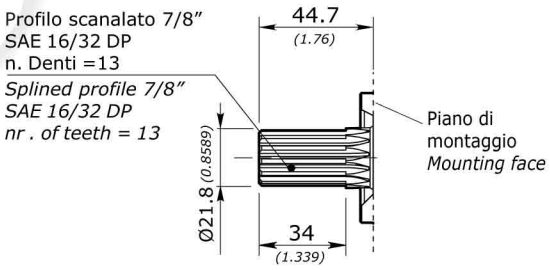
Coppia 270 Nm
Torque 200 ft-lbs



Disponibile per - *available for:* **EUR - SAEB - SAEBOR**

14R
Scanalato SAEB
13T (44.7)
SAEB 13T splined (44.7)

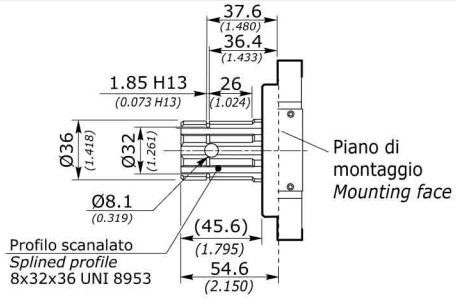
Coppia 270 Nm
Torque 200 ft-lbs



Disponibile per - *available for:* **EUR - SAEB - SAEBOR**

24
Scanalato UNI8953
UNI8953 Splined

Coppia 240 Nm
Torque 178 ft-lbs

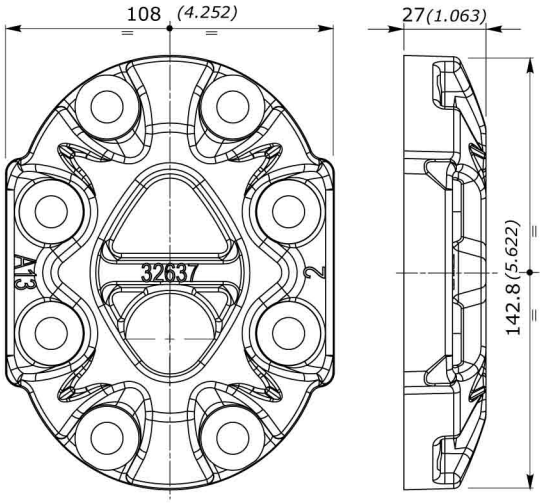


Disponibile per - *available for:* **ZFC**

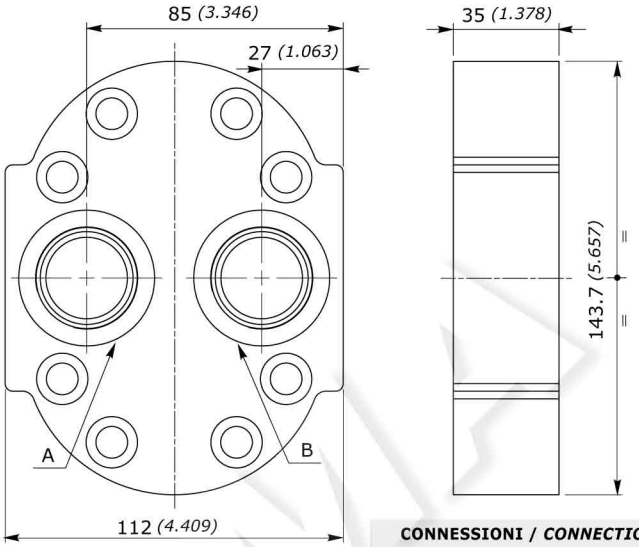
POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

COPERCHIO STANDARD • *STANDARD COVER*

Per posizione **0**
*For position **0***



Per posizioni **1, 3, 4**
*For position **1, 3, 4***

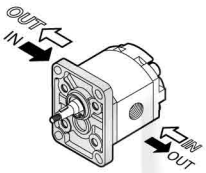
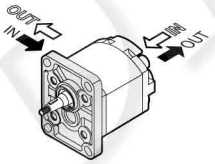
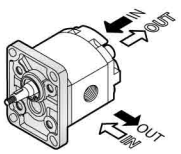
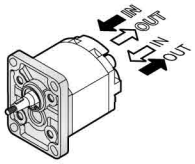


CONNESSIONI / *CONNECTION*	A	B
GAS	G 1	G 1
SAE	SAE 16	SAE 12

POSIZIONE CONNESSIONE • *CONNECTION POSITION*

Rotazione destra - **D**
*Clockwise rotation - **D***

Rotazione sinistra - **S**
*Anti-clockwise rotation - **S***

0	1	3	4
			



Il segno del corpo indica il lato aspirazione per le pompe
The sign on the body identifies the suction side for the pumps

IN = ASPIRAZIONE - *SUCTION*
OUT = MANDATA - *DELIVERY*

TIPO CONNESSIONE • *CONNECTION TYPE*

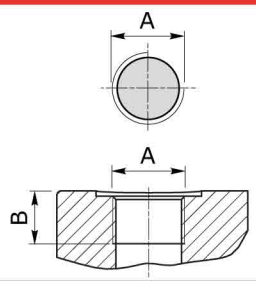
Le connessioni rappresentate corrispondono alle versioni standard; per connessioni differenti, contattare il nostro Ufficio Commerciale.

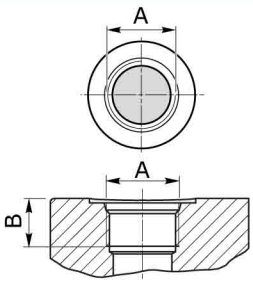
The connection types shown correspond to standard configuration; for different applications contact our Commercial Dept.

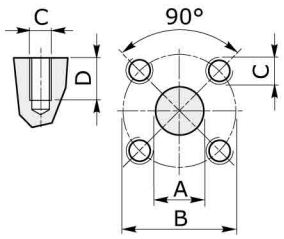
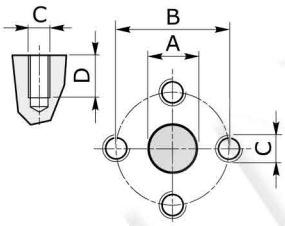
3GP		POSIZIONE CONNESSIONE - *CONNECTION POSITION*			
		0	**1**	**3**	**4**
GAS	**G**	◇	◇	◇	◇
UNF	**W**	◇	◇	◇	◇
FLANGIATE *FLANGED*	**T**	◇			
	N	◇			
	F	◇			

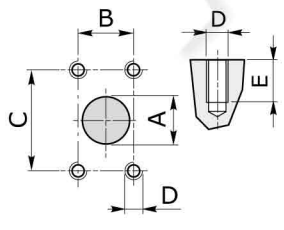
POMPE AD INGRANAGGI GRUPPO 3GP
GEAR PUMPS GROUP 3GP

TIPO CONNESSIONE • *CONNECTION TYPE*

GAS	UNI ISO 228/1	SIGLA *CODE*	CIL. *DISPL.*	ASPIRAZIONE - *SUCTION* **IN** A	B		MANDATA - *DELIVERY* **OUT** A	B	
		**G**	190	G 1"	20 [mm] *0.788 [inch]*	70 [Nm] *620 [in.lbs]*	G 3/4"	17 [mm] *0.670 [inch]*	60 [mm] *531 [in.lbs]*
			230						
			300						
			340						
			370						
			440						
			530						
			620						
			700	G 1" 1/4	20 [mm] *0.788 [inch]*	80 [Nm] *709 [in.lbs]*	G 1"	20 [mm] *0.788 [inch]*	70 [Nm] *620 [in.lbs]*
			770						

UNF	ANSI/ASME B1.1	SIGLA *CODE*	CIL. *DISPL.*	ASPIRAZIONE *SUCTION* **IN** A	B		MANDATA *DELIVERY* **OUT** A	B	
		**W**	190	SAE 16 1"5/16-12 UN	20 [mm] *0.788 [inch]*	70 [Nm] *620 [in.lbs]*	SAE 12 1"1/16-12 UN	20 [mm] *0.788 [inch]*	60 [Nm] *531 [in.lbs]*
			230						
			300						
			340	SAE 20 1"5/8-12 UN	20 [mm] *0.788 [inch]*	80 [Nm] *709 [in.lbs]*	SAE 16 1"5/16-12 UN	20 [mm] *0.788 [inch]*	70 [Nm] *620 [in.lbs]*
			370						
			440						
			530						
			620						
			700	SAE 24 1"7/8-12 UN	20 [mm] *0.788 [inch]*	90 [Nm] *798 [in.lbs]*	SAE 20 1"5/8-12 UN	20 [mm] *0.788 [inch]*	80 [Nm] *709 [in.lbs]*
			770						

FLANGIATE FLANGED	ISO/R 262	SIGLA *CODE*	CIL. *DISPL.*	ASPIRAZIONE *SUCTION* **IN** A	B	C	D		MANDATA *DELIVERY* **OUT** A	B	C	D	
		**T**	190	26 [mm] *1.024 [inch]*	55 [mm] *2.167 [inch]*	M8	16 [mm] *0.630 [inch]*	15 [Nm] *133 [in.lbs]*	18 [mm] *0.709 [inch]*	55 [mm] *2.167 [inch]*	M8	16 [mm] *0.630 [inch]*	15 [Nm] *133 [in.lbs]*
			230										
			300										
			340										
			370										
			440										
			530										
			620										
			700										
			770										
		**N**	190	27 [mm] *1.064 [inch]*	51 [mm] *2.009 [inch]*	M10	15 [mm] *0.591 [inch]*	20 [Nm] *177 [in.lbs]*	19 [mm] *0.748 [inch]*	40 [mm] *1.575 [inch]*	M8	15 [mm] *0.591 [inch]*	15 [Nm] *71 [in.lbs]*
			230										
			300										
			340										
			370										
			440										
			530										
			620										
			700										
			770										

FLANGIATE FLANGED	ISO/R 262	SIGLA *CODE*	CIL. *DISPL.*	ASPIRAZIONE *SUCTION* **IN** A	B	C	D	E		MANDATA *DELIVERY* **OUT** A	B	C	D	E	
		**F***	190	27 [mm] *1.063 [inch]*	26.2 [mm] *1.031 [inch]*	52.4 [mm] *2.063 [inch]*	M8	15 [mm] *0.591 [inch]*	15 [Nm] *71 [in.lbs]*	24 [mm] *0.945 [inch]*	26.2 [mm] *1.031 [inch]*	52.4 [mm] *2.063 [inch]*	M8	15 [mm] *0.591 [inch]*	15 [Nm] *71 [in.lbs]*
			230												
			300												
			340												
			370												
			440	42 [mm] *1.654 [inch]*	69.8 [mm] *2.748 [inch]*	35.6 [mm] *1.402 [inch]*	M8	15 [mm] *0.591 [inch]*	15 [Nm] *71 [in.lbs]*						
			530												
			620												
			700												
			770												

***: Le flange non corrispondono a norma SAEJ518. Flange a norma disponibili a richiesta, contattare il Servizio Commerciale.**
****: Flanges F do not correspond to SAEJ518. Flanges SAEJ518 available on request, please contact our Sales Dpt.***