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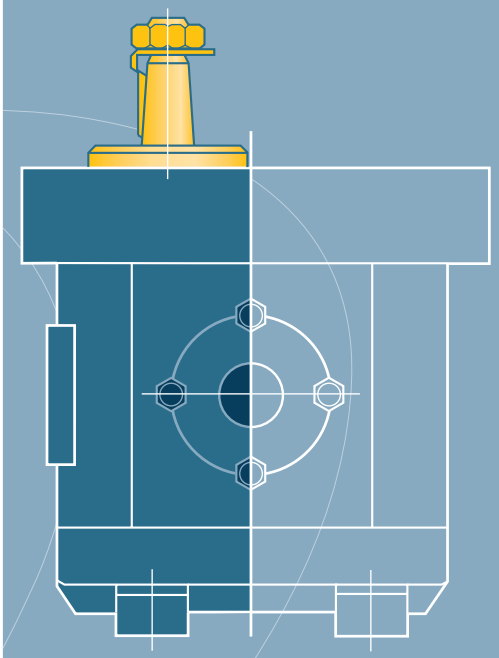
ISO 9001

*POMPE ad ingranaggi
GEAR PUMPS

POMPE
ad ingranaggi



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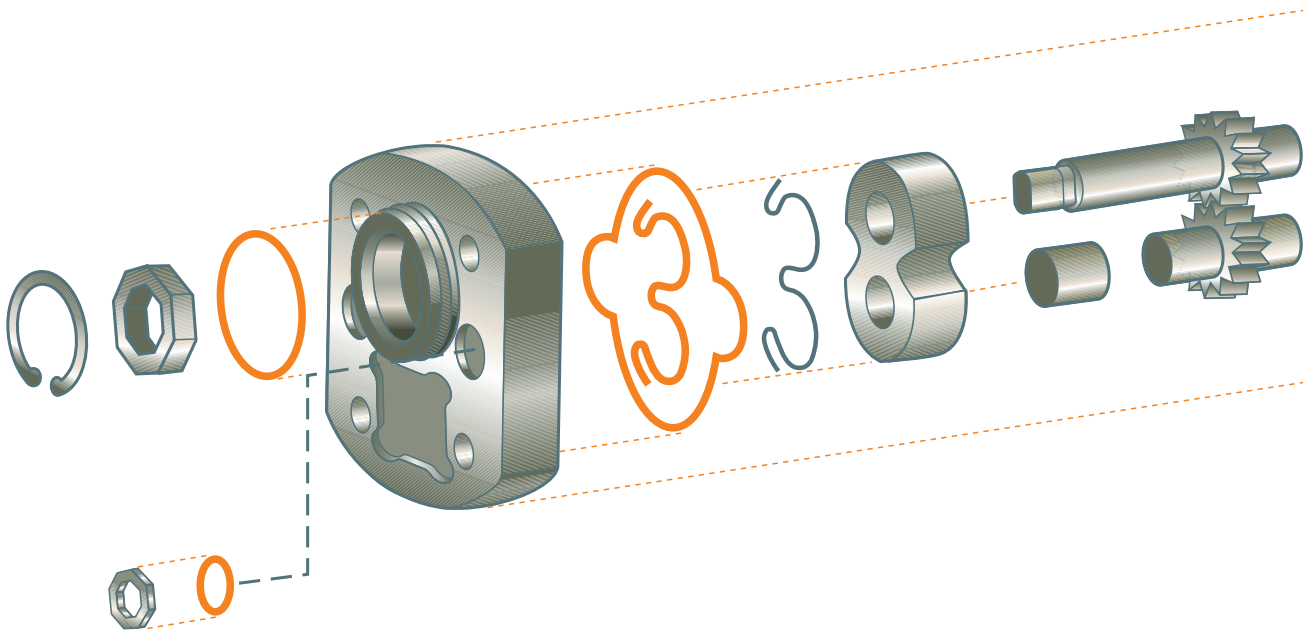
*INDICE INDEX

GEAR PUMPS



CARATTERISTICHE TECNICHE

OLIO. Usare olii idraulici a base minerale HLP, HV (DIN 51524) con viscosità 20÷40 cSt a temperatura 50 °C. Gradazione SAE 10÷30 in funzione della temperatura di esercizio.

FILTRAGGIO. In aspirazione usare una cartuccia filtro da 30÷60 Micron. In mandata usare una cartuccia filtro da 10÷25 Micron.

TEMPERATURA. La temperatura di esercizio deve essere mantenuta tra -10 °C e +60 °C.

VELOCITÀ OLIO MAX CONSIGLIATE. In aspirazione 0.5÷1.0 m/sec.; in mandata 3÷5.5 m/sec.; in ritorno 1.5÷2.5 m/sec. Le velocità sono riferite ad olio con viscosità 20÷40 cSt a temperatura 50 °C e tubi con lunghezze di 1.5÷3 m; per lunghezze maggiori tenere i diametri dei fori di passaggio più grandi.

VISCOSITÀ OLIO. Minima ammissibile 8.5 cSt; massima ammissibile all'avviamento 1500 cSt.

FUNZIONAMENTO CON ACQUE GLICOLE. La pressione non deve superare i 100 bar. La velocità non deve essere superiore a 1000 giri/min. Per prestazioni superiori consultare il nostro Ufficio Tecnico.

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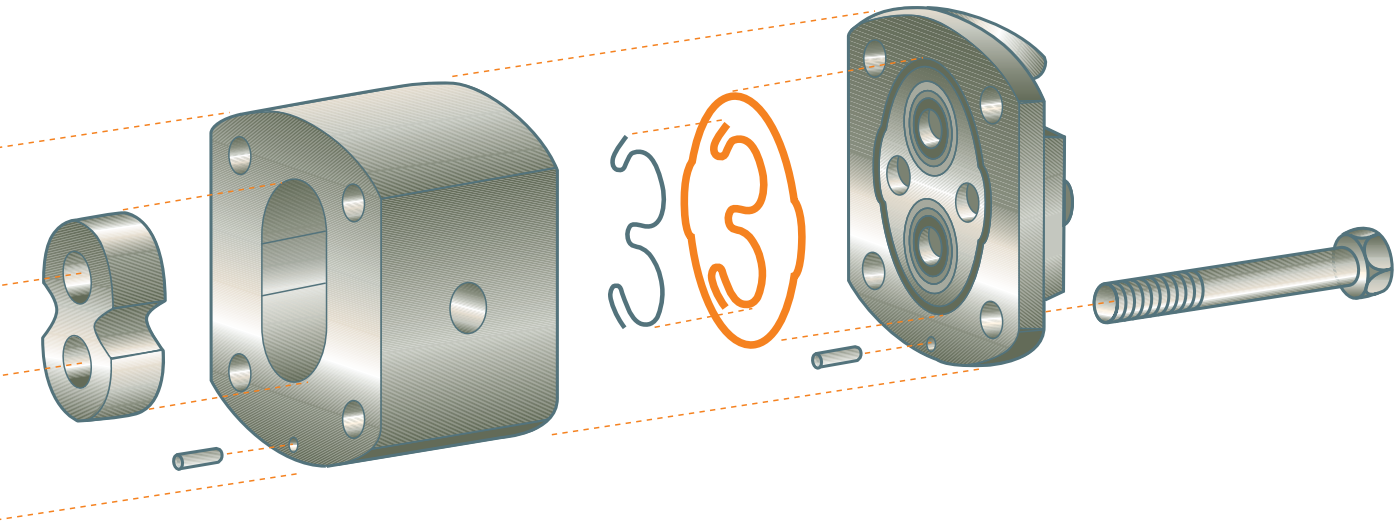


TECHNICAL DETAILS

OIL. Use hydraulic mineral oils HLP, HV (DIN 51524) with 20÷40 cSt viscosity at a temperature of 50 °C. SAE number 10÷30 depending on operating temperature.

FILTRATION. At the inlet, use a 30÷60 Micron filter cartridge. At the outlet, use a 10÷25 Micron filter cartridge.

TEMPERATURE. Operating temperature should be maintained between -10 °C and ÷60 °C.

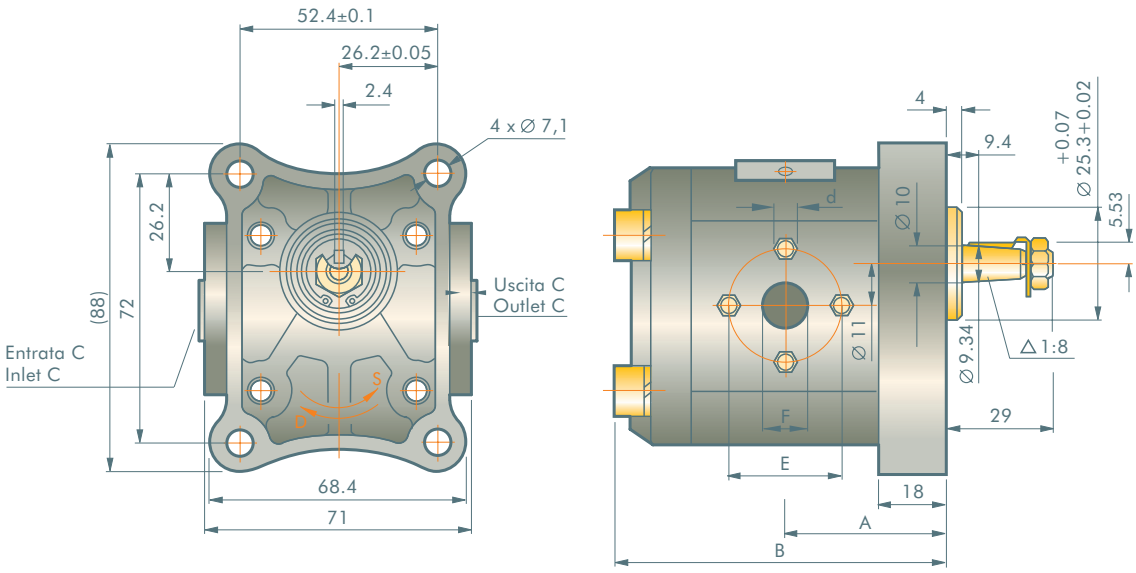
MAX RECOMMENDED OIL SPEED. At the inlet 0.5÷1.0 m/sec.; at the outlet 3÷5.5 m/sec.; at the returning pipe 1.5÷2.5 m/sec. The velocities are valid for a viscosity of 20÷40 cSt at a temperature of 50 °C and pipes 1.5÷3 m long; for greater lengths keep the hole diameters larger.

OIL VISCOSITY. Minimum admissible 8.5 cSt; maximum admissible on start-up 1500 cSt.

OPERATION WITH GLYCOLWATER. Pressure must not exceed 100 bar. Speed must not exceed 1000 rpm. For higher performances please contact our technical department.

*POMPA ALBERO CONICO
BASE ∅ 25.3

PUMP TAPERED SHAFT BASE ∅ 25.3



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CILINDRATA DISPLACEMENT cm³

		1	1.25	1.6	2	2.5	3.15	3.65	4.2	5	6.1
Pressione nominale Nominal pressure	bar	250	250	250	250	250	250	250	230	200	200
Giri minimi Minimal speed	giri/minuto r.p.m.	750	750	750	750	750	750	750	750	750	750
Giri massimi Maximal speed	giri/minuto r.p.m.	3500	3500	3500	3500	3500	3500	3500	3500	3000	3000

DIMENSIONE DIMENSION

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	A	B	ENTRATA INLET			USCITA OUTLET				
		mm		E	d	F mm	E	d	F	M mm	G
PS(D)-1/1 E18	1	39.1	81	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/1.25 E18	1.25	39.5	82	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/1 6 E18	1.6	40.3	83.6	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/2 E18	2	41.1	85.2	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/2 5 E18	2.5	42.1	87.2	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/3. 15 E18	3.15	43.5	89.8	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/3.65 E18	3.65	44.4	91.9	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/4.2 E18	4.2	45.5	94.1	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/5 E18	5	47.1	97.2	30	M6	12	30	M6	12	M16x1,5	3/8"
PS(D)-1/6 E18	6.1	49.4	101.8	30	M6	12	30	M6	12	M16x1,5	3/8"

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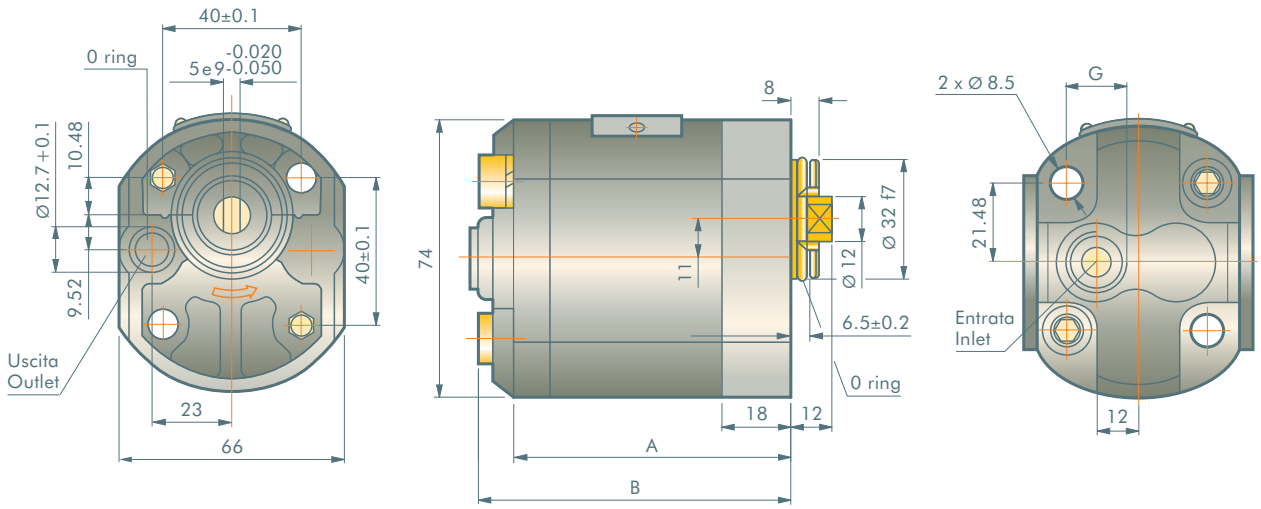
*POMPA MODELLO BH
CODOLO FRESATO BASE ∅ 32

BH TYPE PUMP MILLED SHANK BASE ∅ 32



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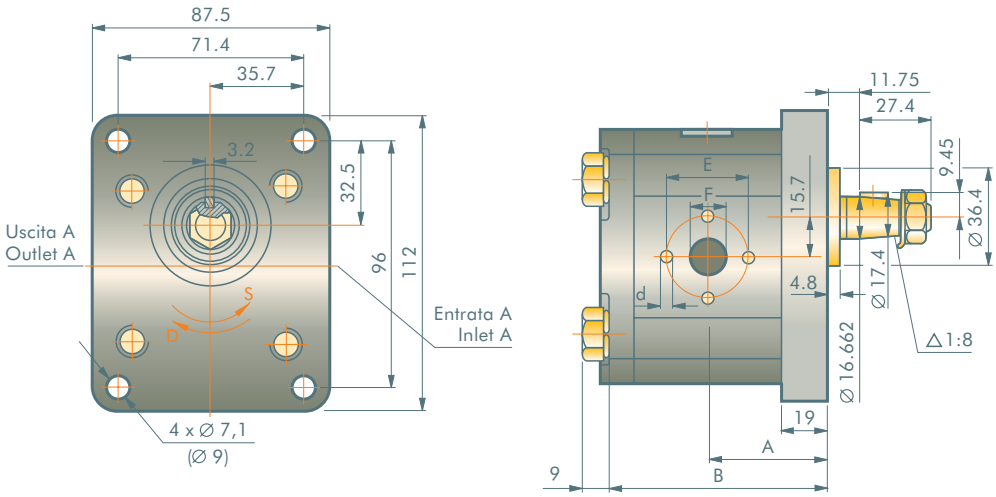
CILINDRATA DISPLACEMENT cm³

		1	1.25	1.6	2	2.5	3.15	3.65	4.2	5	6.1
Pressione nominale Nominal pressure	bar	250	250	250	250	250	250	250	230	200	200
Giri minimi Minimal speed	giri/minuto r.p.m.	750	750	750	750	750	750	750	750	750	750
Giri massimi Maximal speed	giri/minuto r.p.m.	3500	3500	3500	3500	3500	3500	3500	3500	3000	3000

DIMENSIONE DIMENSION

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	A	B	ENTRATA INLET					USCITA OUTLET				
		mm		E	d	F	M	G	E	d	F	M	G
				mm					mm				
PS-1/1S	1	71	81	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/1.25S	1.25	72	82	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/1.6S	1.6	73.6	83.6	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/2S	2	75.2	85.2	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/2.5S	2.5	77.2	87.2	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/3.15S	3.15	79.8	89.8	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/3.65S	3.65	81.9	91.9	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/4.2S	4.2	84.1	94.1	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/5S	5	87.1	97.1	-	-	-	-	3/8" G	-	-	-	-	-
PS-1/6S	6.1	91.7	101.7	-	-	-	-	3/8" G	-	-	-	-	-

PUMP TAPERED SHAFT BASE ∅ 36.5



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CILINDRATA DISPLACEMENT cm³

		4.5	6.3	8.2	11	14	16	19	22	25
Pressione nominale Nominal pressure	bar	250	250	250	250	250	230	200	200	160
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	3500	3500	3500	3500	3500	2500	2500	2000	2000

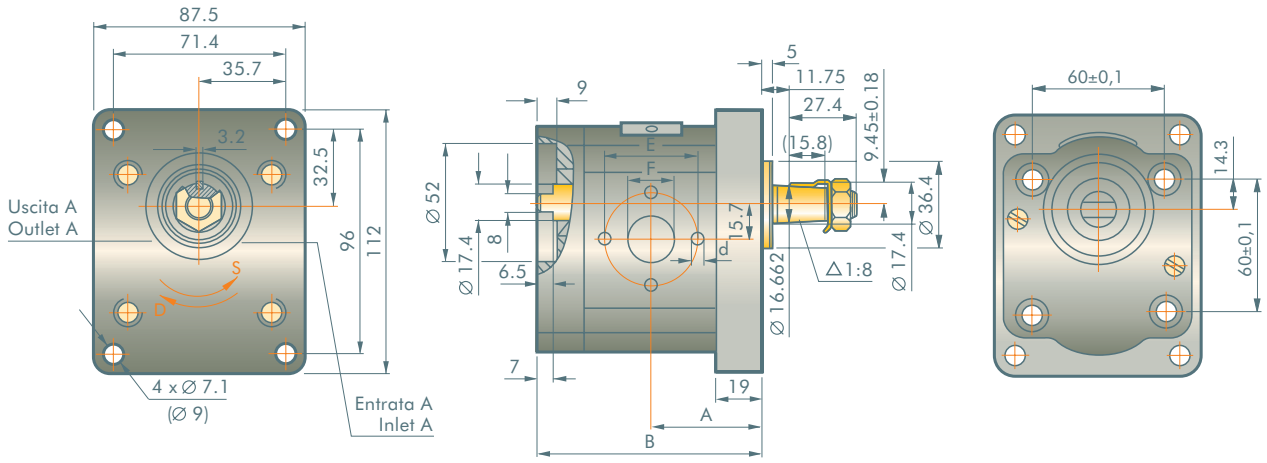
DIMENSIONE DIMENSION

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	A	B	ENTRATA INLET					USCITA OUTLET				
		mm		E	d	F	M	G	E	d	F	M	G
				mm					mm				
PS(D)-2/4.5 E18	4.5	42.5	80	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/6.3 E18	6.3	42.5	80	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/8.2 E18	8.2	42.5	80	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/11 E18	11.3	48	91.1	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/14 E18	14	50.2	95.4	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/16 E18	16	51.8	98.6	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/19 E18	19	54	103.5	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/22 E18	22	56.5	108.5	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/25 E18	25	59.2	113.4	40	M8	19	-	-	40	M8	16	-	-

*POMPA **PRIMARIA**

ALBERO CONICO BASE ∅ 36.5

PRIMARY PUMP TAPERED SHAFT BASE ∅ 36.5



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CILINDRATA DISPLACEMENT cm³

		4.5	6.3	8.2	11	14	16	19	22	25
Pressione nominale Nominal pressure	bar	250	250	250	250	250	230	200	200	160
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	3500	3500	3500	3500	3500	2500	2500	2000	2000

DIMENSIONE DIMENSION

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	A	B	ENTRATA INLET					USCITA OUTLET				
		mm		E	d	F	M	G	E	d	F	M	G
				mm					mm				
PS(D)-2/4.5 E18P	4.5	42.5	87.2	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/6.3 E18P	6.3	44	90.2	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/8.2 E18P	8.2	45.5	93.1	30	M8	13	-	-	30	M6	13	-	-
PS(D)-2/11 E18P	11.3	48	98.2	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/14 E18P	14	50	102.6	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/16 E18P	16	52	105.8	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/19 E18P	19	54	110.7	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/22 E18P	22	57	115.7	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/25 E18P	25	59.2	120.6	40	M8	19	-	-	40	M8	19	-	-

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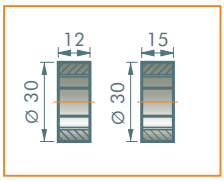
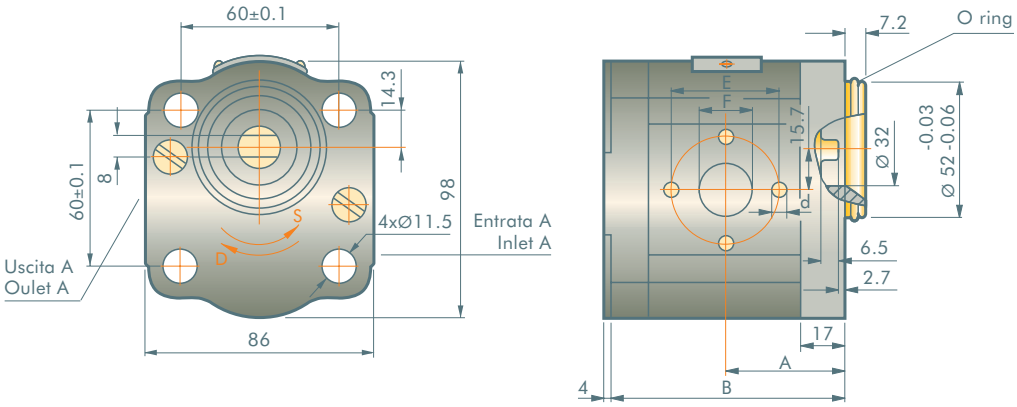
*POMPA CODOLO FRESATO
BASE ∅ 52

PUMP MILLED SHANK BASE ∅ 52

Solo su ordine del cliente
Under client's order





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CILINDRATA DISPLACEMENT cm³

		4.5	6.3	8.2	11	14	16	19	22	25
Pressione nominale Nominal pressure	bar	250	250	250	250	250	230	200	200	160
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	3500	3500	3500	3500	3500	2500	2500	2000	2000

DIMENSIONE DIMENSION

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	A	B	ENTRATA INLET					USCITA OUTLET				
		mm		E	d	F	M	G	E	d	F	M	G
				mm					mm				
PS(D)-2/4.5 EP0	4.5	40.5	78	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/6.3 EP0	6.3	42	81	30	M6	13	-	-	30	M6	13	-	-
PS(D)-2/8.2 EP0	8.2	43.5	83.9	30	M8	13	-	-	30	M6	13	-	-
PS(D)-2/11 EP0	11.3	46	89.1	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/14 EP0	14	48	93.4	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/16 EP0	16	50	96.6	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/19 EP0	19	52	101.5	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/22 EP0	22	55	106.5	40	M8	19	-	-	30	M6	14	-	-
PS(D)-2/25 EP0	25	57.2	112.1	40	M8	19	-	-	40	M8	19	-	-

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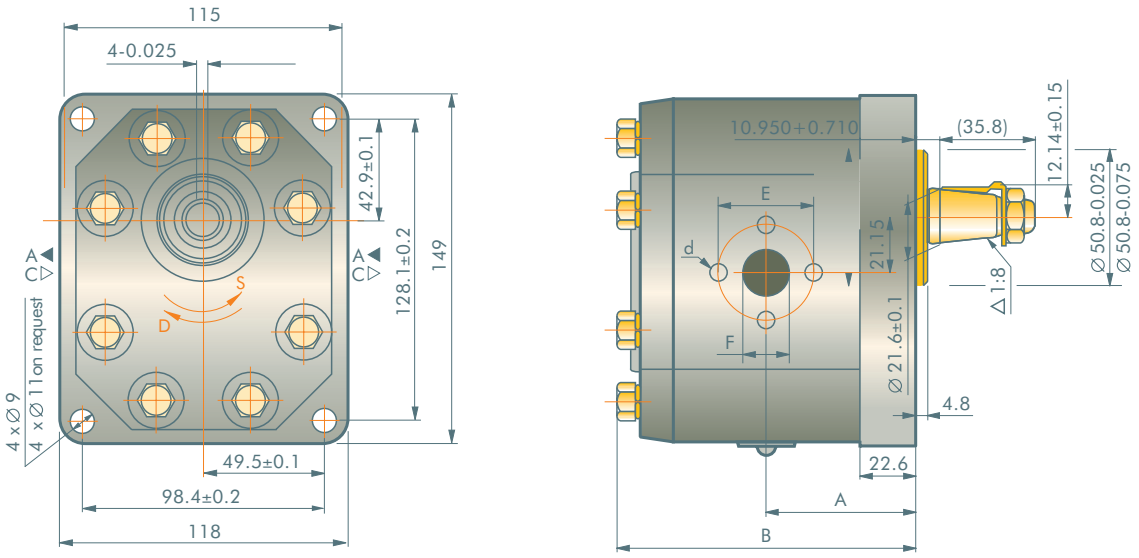
PUMP TAPERED SHAFT BASE ∅ 50.8



		CILINDRATA DISPLACEMENT cm³					
		22.5	25	32	36	46	55
Pressione nominale Nominal pressure	bar	250	250	250	250	230	200
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	2500	2500	2500	2300	2100	2750

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	DIMENSIONE DIMENSION												
				ENTRATA INLET					USCITA OUTLET					
		A	B	E	d	F	M	G	E	d	F	M	G
		mm		mm					mm					
PS(D)-3/22.5 E18H	22.5	57.6	119.9	40	M8	19	-	-	40	M8	19	-	-
PS(D)-3/25 E18H	25	58.3	121.1	40	M8	19	-	-	40	M8	19	-	-
PS(D)-3/32 E18	32	62	128.3	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/32 E18H	32	66.5	137.3	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/36 E18	36	63.5	131.4	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/36 E18H	36	68	140.5	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/46 E18H	46	72.7	149.8	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/55 E18H	55	76.7	157.9	51	M10	27	-	-	40	M8	19	-	-

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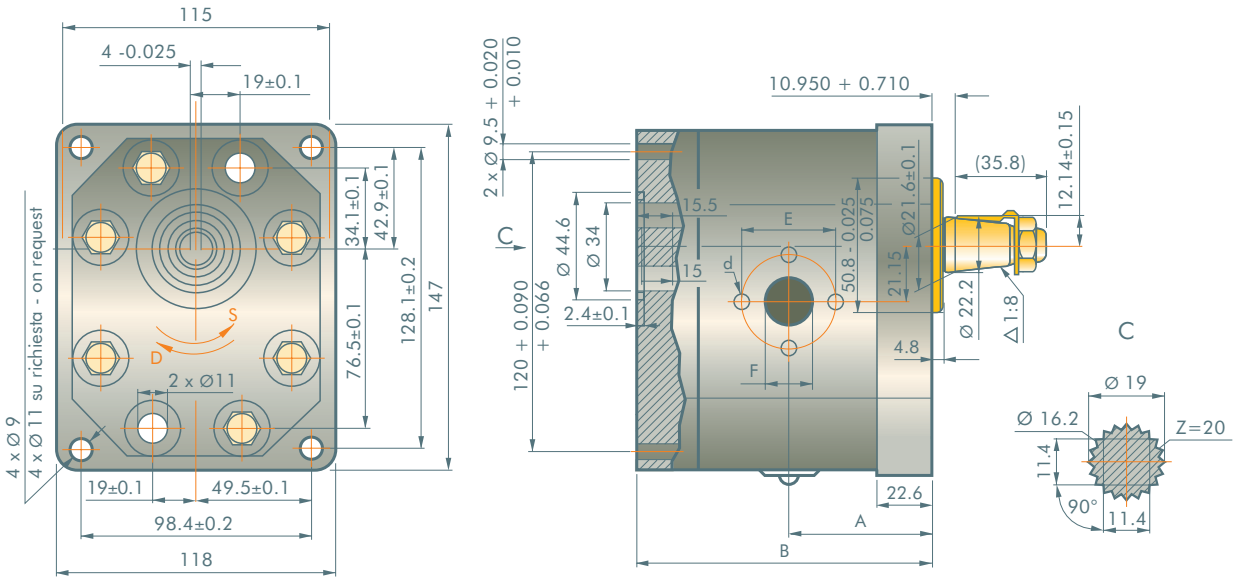
PRIMARY PUMP TAPERED SHAFT BASE ∅ 50.8



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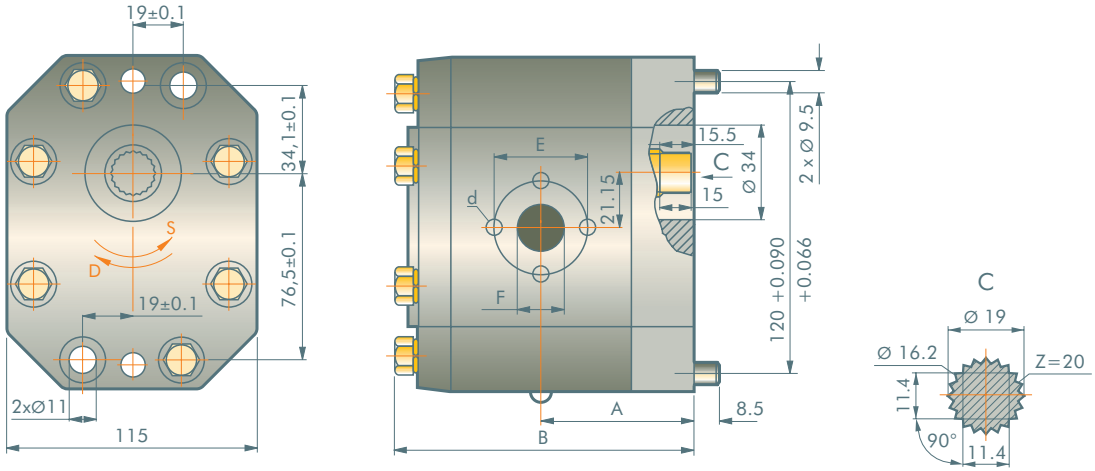
		CILINDRATA DISPLACEMENT cm³					
		22.5	25	36	46	55	60
Pressione nominale Nominal pressure	bar	250	250	250	230	200	200
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	2500	2500	2300	2100	2750	2750

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	DIMENSIONE DIMENSION												
		A	B	ENTRATA INLET					USCITA OUTLET					
		mm		E	d	F	M	G	E	d	F	M	G	
				mm					mm					
PS(D)-3/22.5 E18PH	22.5	57.6	117.5	40	M8	19	-	-	40	M8	19	-	-	
PS(D)-3/25 E18PH	25	58.3	118.9	40	M8	19	-	-	40	M8	19	-	-	
PS(D)-3/36 E18P	36	63.5	129.2	51	M8	27	-	-	40	M8	19	-	-	
PS(D)-3/36 E18P	36	68	138.3	51	M10	27	-	-	40	M8	19	-	-	
PS(D)-3/46 E18PH	46	72.7	147.6	51	M10	27	-	-	40	M8	19	-	-	
PS(D)-3/55 E18PH	55	76.7	155.7	51	M10	27	-	-	40	M8	19	-	-	
PS(D)-3/60 E18PH	60	78.7	160.2	51	M10	27	-	-	40	M8	19	-	-	

*POMPA SECONDARIA
ALBERO Ø 19 Z20

SECONDARY PUMP SHAFT Ø 19 Z20



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		CILINDRATA DISPLACEMENT cm³					
		22.5	25	36	46	55	60
Pressione nominale Nominal pressure	bar	250	250	250	230	200	200
Giri minimi Minimal speed	giri/minuto r.p.m.	650	650	650	650	650	650
Giri massimi Maximal speed	giri/minuto r.p.m.	2500	2500	2300	2100	2750	2750

TIPO TYPE	CILINDRATA DISPLACEMENT cm³	DIMENSIONE DIMENSION												
		A	B	ENTRATA INLET					USCITA OUTLET					
		mm		E	d	F	M	G	E	d	F	M	G	
				mm					mm					
PS(D)-3/22.5 E18SH	22.5	59.7	121.9	40	M8	19	-	-	40	M8	19	-	-
PS(D)-3/25 E18SH	25	60.5	123.3	40	M8	19	-	-	40	M8	19	-	-
PS(D)-3/36 E18S	36	65.7	133.6	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/36 E18SH	36	70.2	142.7	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/46 E18SH	46	74.9	152	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/55 E18S	55	78.9	160.1	51	M10	27	-	-	40	M8	19	-	-
PS(D)-3/60 E18SH	60	80.9	164.6	51	M10	27	-	-	40	M8	19	-	-

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