

CLIENT SERVICES - ACCESSORIES

MADE IN ITALY

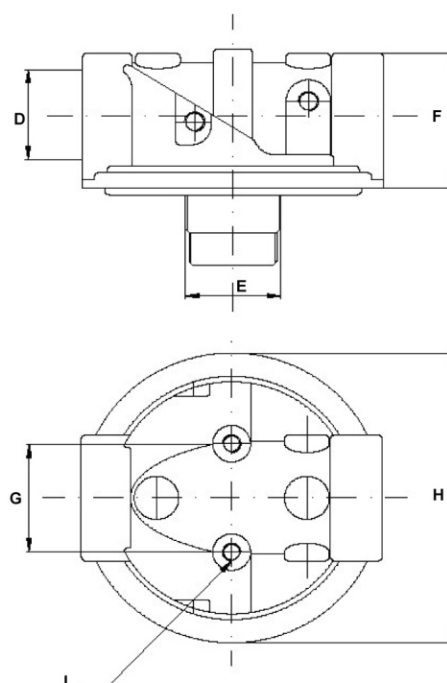
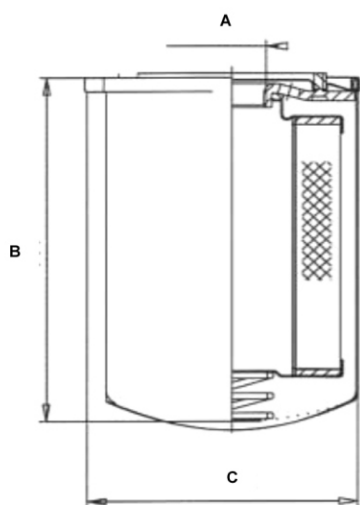


REV MARZO 15

SPIN-ON FILTERS

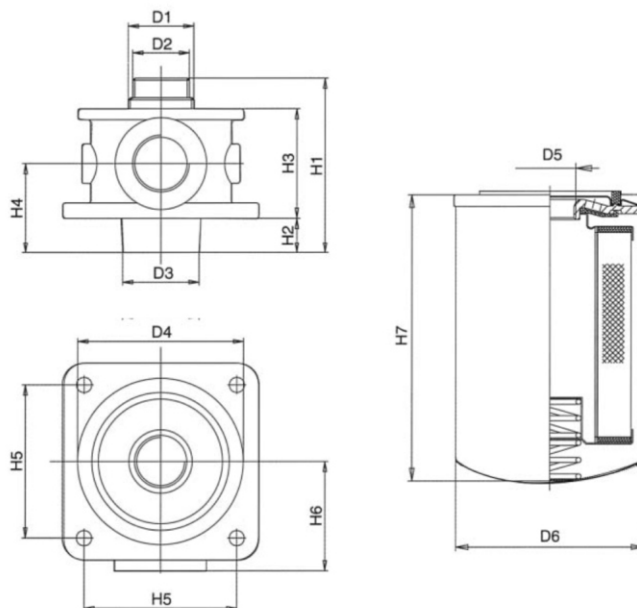
DESCRIPTION

- Maximum working pressure = 12 bar
- Suction by-pass valve set at 0.25 bar ± 10%
- Return by-pass valve set at 1.7 bar ± 10%
- Working temperature range from -25°C up to +110°C
- Aluminium filter head

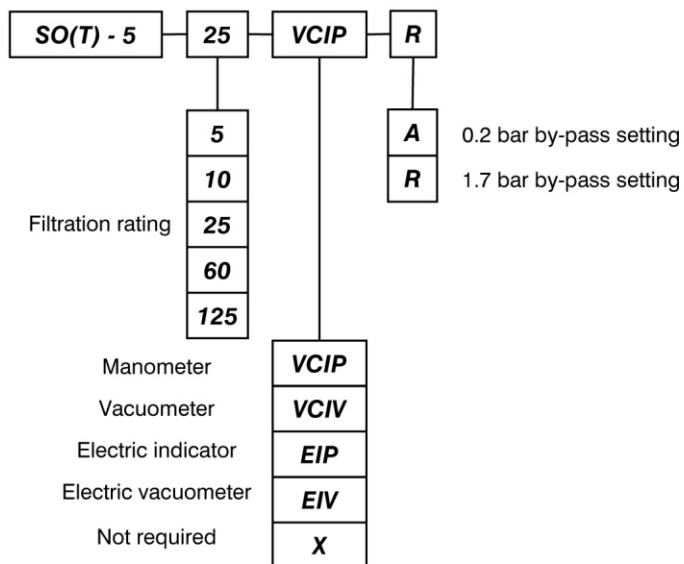
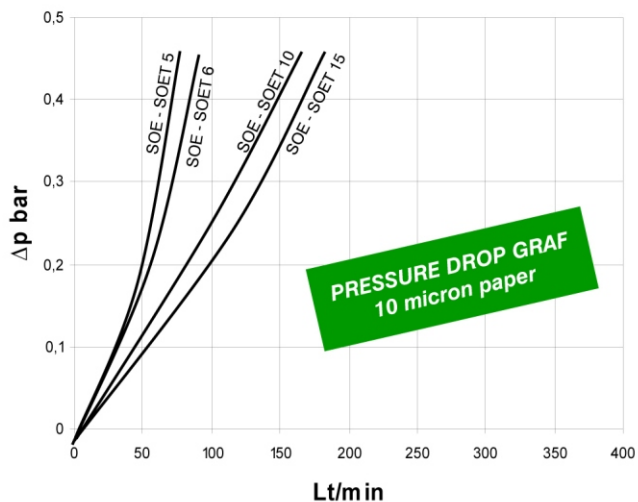


CODE	A	B	C	D	E	F	G	H	I	Weight (Kg)
SO 5	3/4" BSPP	150	98	3/4" BSPP	3/4" BSPP	44	38	95	M8	0.9
SO 6		205								1
SO 10	1 1/4" BSPP	180	132	1 1/4" BSPP	1 1/4" BSPP	61	50	133		1.1
SO 15		226								2

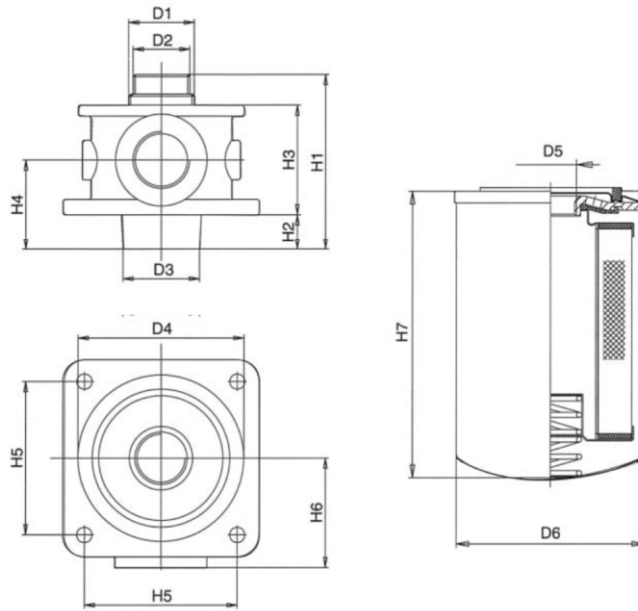
SPIN-ON FILTERS



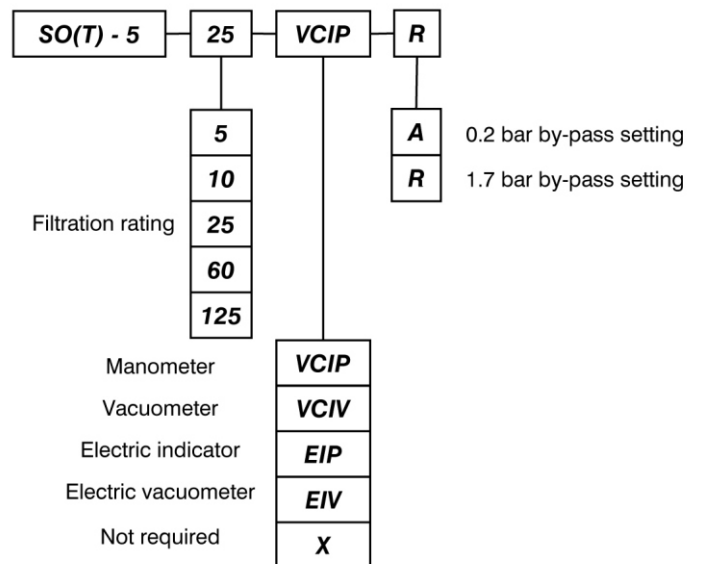
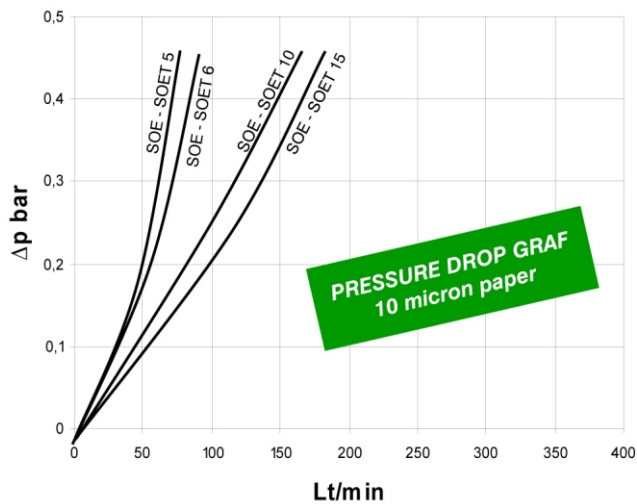
Type	Dimensions													Max. Delivery
	D1 BSP	D2	D3	D4	D5 BSP	D6	H1	H2	H3	H4	H5	H6	H7	
SOT 50	3/4"	-	35	76	3/4"	98	80	16	50	41	70	50	150	95
SOT 60													205	110
SOT 100	1 1/4"	1 1/2" 16 UNF	60	135	1 1/4"	132	127	20	73	56	100	70	180	240
SOT 150													226	260



SPIN-ON FILTERS



Type	Dimensions													Max. Delivery
	D1 BSP	D2	D3	D4	D5 BSP	D6	H1	H2	H3	H4	H5	H6	H7	
SOT 50	3/4"	-	35	76	3/4"	98	80	16	50	41	70	50	150	95
SOT 60													205	110
SOT 100	1 1/4"	1 1/2" 16 UNF	60	135	1 1/4"	132	127	20	73	56	100	70	180	240
SOT 150													226	260



HIGH PRESSURE FILTERS

DESCRIZIONE

HPF è la serie di filtri per linee in pressione fino a 420 bar
La nostra gamma si suddivide in tre differenti grandezze con portate massime fino a 400 l/min.

DESCRIPTION

HPF is the high pressure filter series for pressure up to 420 bar
Our product range is composed by 3 different size with nominal rated flow up to 400 l/min.

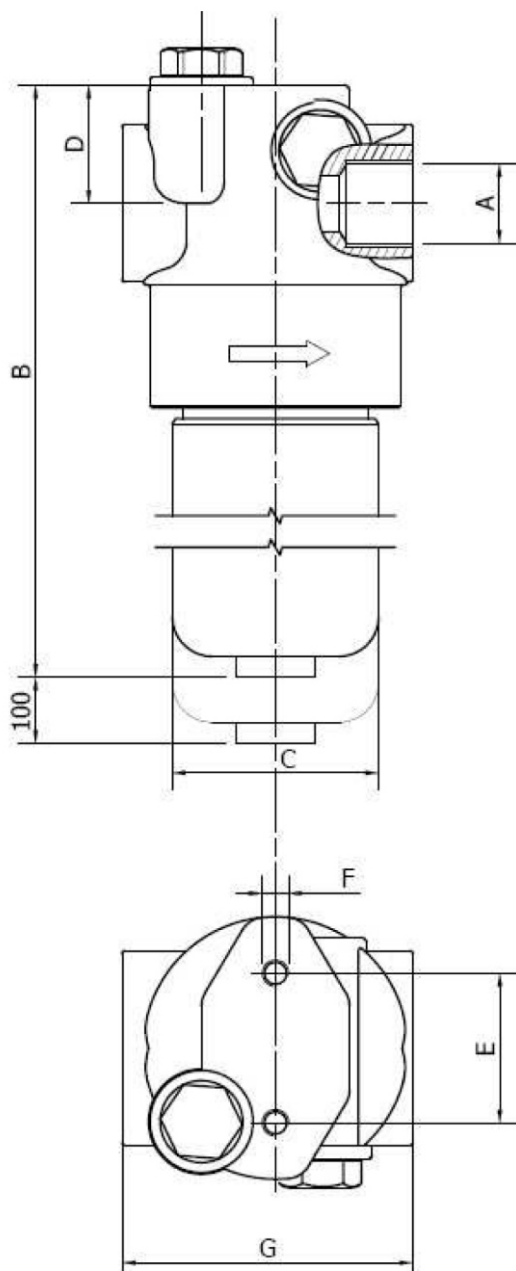


CARATTERISTICHE TECNICHE

- Pressione massima di esercizio 420 bar
- Pressione di collaudo 600 bar
- Pressioni di collasso elemento 20 o 210 bar
- Temperatura d'esercizio da -20 a +95°C
- Valvola di by-pass tarata a 6 bar $\pm 10\%$
- Gradi di filtrazione da 3 a 25 μm
- Attacchi BSP - NPT - SAE

TECHNICAL DATA

- Max working pressure 420 bar
- Testing pressure 600 bar
- Collapse pressure 20 or 210 bar
- Working temperature from -20 up to +95°C
- By-pass valve setting at 6 bar $\pm 10\%$
- Filtration ratio from 3 up to 25 μm
- Connection BSP - NPT - SAE

HPF 30**ATTACCHI - CONNECTIONS**

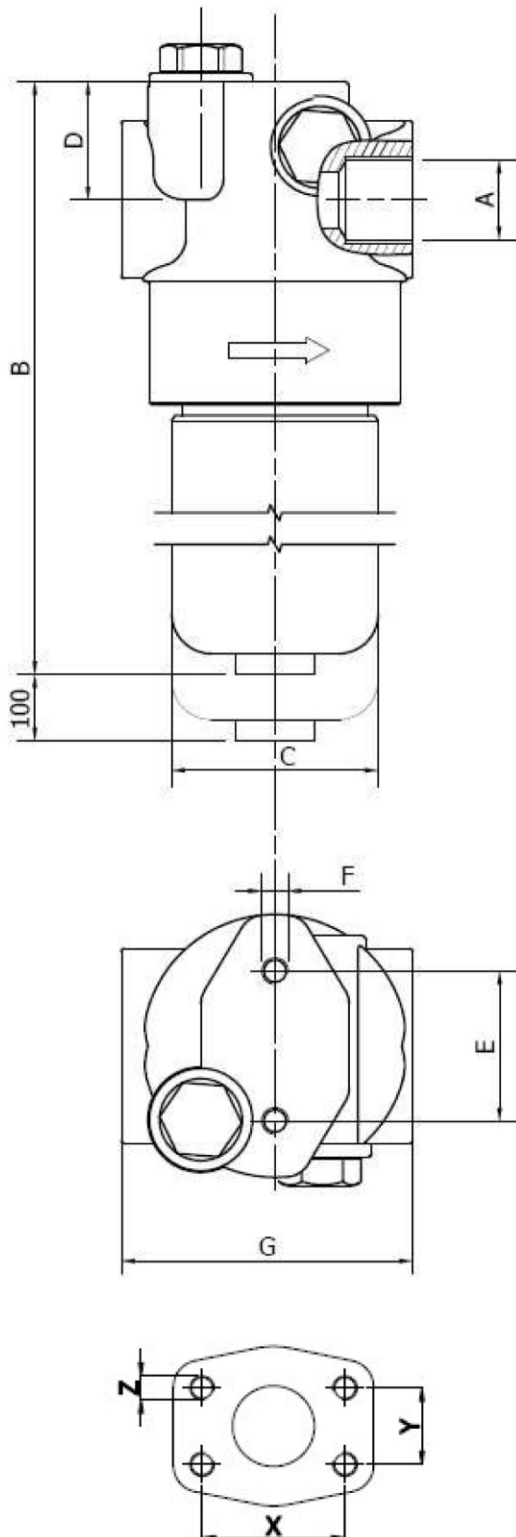
Tipo / Type	A	F
1	1/2" BSP	M8
2	3/4" BSP	M8
3	1/2" NPT	5/16" UNC
4	3/4" NPT	5/16" UNC
5	SAE 3/4" - 16UNF	5/16" UNC
6	SAE 1"1/16 - 12UN	5/16" UNC

PORTATE - RECOMMENDED FLOWS

HPF	Filtro Element	Portata (l/min) Flow	Peso (kg) Weight
301	F03	15	4.2
301	F06	18	4.2
301	F10	33	4.2
301	F25	47	4.2
302	F03	22	4.5
302	F06	29	4.5
302	F10	50	4.5
302	F25	70	4.5
303	F03	32	5.8
303	F06	40	5.8
303	F10	60	5.8
303	F25	85	5.8

DIMENSIONI - DIMENSIONS

Code..	B	C	D	E	F	G
HPF 301 ..	103	Ø70	29	47	M8	85
HPF 302 ..	145				M8	
HPF 303 ..	295				M8	

HPF 60**ATTACCHI - CONNECTIONS**

Tipo / Type	A	F
1	3/4" BSP	M10
2	1" BSP	M10
3	3/4" NPT	3/8" UNC
4	1" NPT	3/8" UNC
5	SAE 1"1/16 - 12UN	3/8" UNC
6	SAE 1"5/16 - 12UN	3/8" UNC
7	1" 1/4 BSP	M10
8	1" 1/4 NPT	3/8" UNC

ATTACCHI FLANGIATI - FLANGED CONNECTIONS

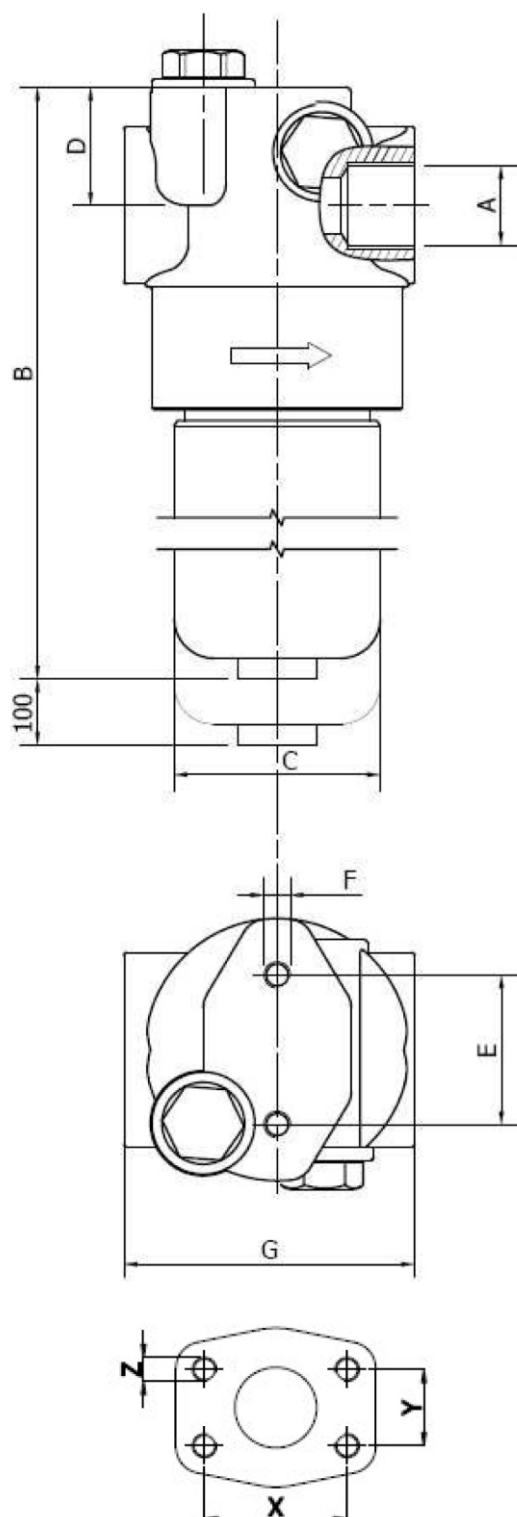
Tipo / Type	Connections	X	Y	Z	F
9	3/4"SAE - 3000 PSI/ M	47.6	22.5	M10	M10
10	1"SAE - 3000 PSI/ M	52.4	26.2	M10	M10
11	3/4"SAE - 3000 PSI/ UNC	47.6	22.5	3/8 UNC	3/8 UNC
12	1"SAE - 3000 PSI/ UNC	52.4	26.2	3/8 UNC	3/8 UNC
13	3/4"SAE - 6000 PSI/ M	50.8	23.8	M10	M10
14	3/4"SAE - 6000 PSI/ UNC	50.8	23.8	3/8 UNC	3/8 UNC

PORTATE - RECOMMENDED FLOWS

HPF	Filtro Element	Portata (l/min) Flow	Peso (kg) Weight
601	F03	38	7.5
601	F06	55	7.5
601	F10	60	7.5
601	F25	75	7.5
602	F03	80	9.2
602	F06	90	9.2
602	F10	115	9.2
602	F25	145	9.2

DIMENSIONI - DIMENSIONS

Code..	B	C	D	E	F	G
HPF 601 ..	270	Ø78	45	57	M10	110
HPF 602 ..	380				M10	

HPF 90**ATTACCHI - CONNECTIONS**

Tipo / Type	A	F
1	1" BSP	M12
2	1" 1/4 BSP	M12
3	1" 1/2 BSP	M12
4	1" NPT	1/2" UNC
5	1" 1/4 NPT	1/2" UNC
6	1" 1/2 NPT	1/2" UNC
7	SAE 1" 5/8 - 12UN	1/2" UNC
8	SAE 1" 7/8 - 12UN	1/2" UNC

ATTACCHI FLANGIATI - FLANGED CONNECTIONS

Tipo / Type	Connections	X	Y	Z	F
9	1" 1/4 SAE - 3000 PSI/ M	58.7	30.2	M10	M12
10	1" 1/2 SAE - 3000 PSI/ M	70	35.7	M10	M12
11	1"1/4 SAE -3000 PSI/ UNC	58.7	30.2	7/16UNC	1/2 UNC
12	1"1/2 SAE -3000 PSI/ UNC	70	35.7	1/2 UNC	1/2 UNC
13	1" 1/4 SAE - 6000 PSI/ M	66.7	31.6	M14	M12
14	1"1/4SAE - 6000 PSI/ UNC	66.7	31.6	1/2 UNC	1/2 UNC

PORTATE - RECOMMENDED FLOWS

HPF	Filtro Element	Portata (l/min) Flow	Peso (kg) Weight
901	F03	70	13.5
901	F06	80	13.5
901	F10	105	13.5
901	F25	155	13.5
902	F03	145	17.3
902	F06	180	17.3
902	F10	220	17.3
902	F25	245	17.3
903	F03	225	21
903	F06	260	21
903	F10	290	21
903	F25	365	21
904	F03	240	26
904	F06	265	26
904	F10	310	26
904	F25	345	26

DIMENSIONI - DIMENSIONS

Code..	B	C	D	E	F	G
HPF 901 ..	275	Ø110	60	57	M12	140
HPF 902 ..	395				M12	
HPF 903 ..	540				M12	
HPF 904 ..	695				M12	

HOW TO ORDER

HPF	602	F06	A	N	R	1
Tipo / Type	Grado di filtrazione Filtration ratio		Δp CARTUCCIA		BY-PASS	
301	F03	3 μm - fibra	A	20 bar	R	Δp 6 bar
302	F06	6 μm - fibra	B	210 bar	N	without
303	F10	10 μm - fibra				
601	F25	25 μm - fibra				
602	C10	10 μm - paper				
901	C25	25 μm - paper				
902	M10	10 μm - AISI 304				
903	M25	25 μm - AISI 304				
904						
			GUARNIZIONI SEALS			
			N	Buna		
			V	Viton		
HPFE	602	F06	A	N		

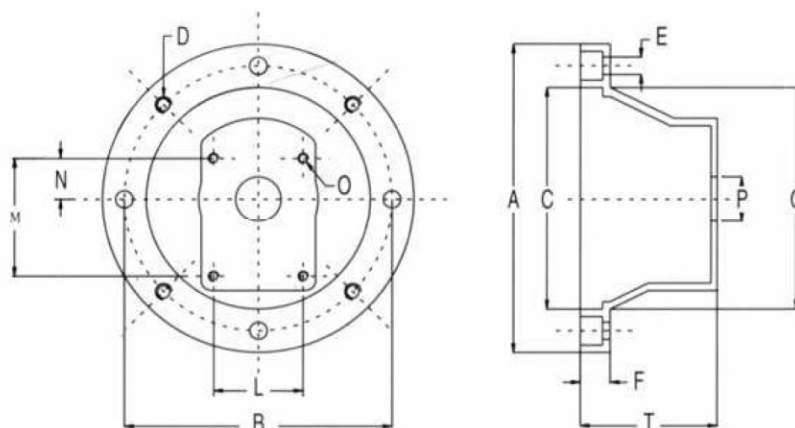
CONNESSIONI / CONNECTIONS

-	HPF 30 ..	HPF 60 ..	HPF 90 ..
1	1/2" BSP	3/4" BSP	1" BSP
2	3/4" BSP	1" BSP	1" 1/4 BSP
3	1/2" NPT	3/4" NPT	1" 1/2 BSP
4	3/4" NPT	1" NPT	1" NPT
5	SAE 3/4" - 16UNF	SAE 1"1/16 - 12UN	1" 1/4 NPT
6	SAE 1"1/16 - 12UN	SAE 1"5/16 - 12UN	1" 1/2 NPT
7		1" 1/4 BSP	SAE 1" 5/8 - 12UN
8		1" 1/4 NPT	SAE 1" 7/8 - 12UN
9		3/4"SAE - 3000 PSI/ M	1" 1/4 SAE - 3000 PSI/ M
10		1"SAE - 3000 PSI/ M	1" 1/2 SAE - 3000 PSI/ M
11		3/4"SAE - 3000 PSI/ UNC	1"1/4 SAE -3000 PSI/ UNC
12		1"SAE - 3000 PSI/ UNC	1"1/2 SAE -3000 PSI/ UNC
13		3/4"SAE - 6000 PSI/ M	1" 1/4 SAE - 6000 PSI/ M
14		3/4"SAE - 6000 PSI/ UNC	1"1/4SAE - 6000 PSI/ UNC

ALLUMINIUM BELL-HOUSINGS

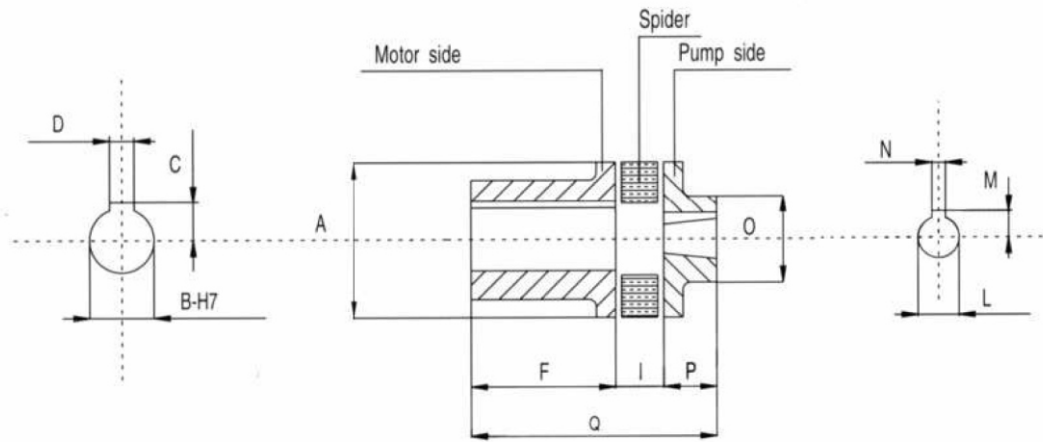
TECHNICAL DATA

For rectangular flange
(European and German standard)
gear pumps and
B5/B3 flange type electric motors.
Aluminium made.



EL. MOTOR B5		BELL-HOUSING	PUMP		A	B	C	D	E	F	G	L	M	N	O	P
TYPE	Kw	CODE	PUMP TYPE	FLANGE TYPE												
71	0.25 0.37	BH 161/02	01Z	A04 - AG4	160	130	110	M8	9	14	110	52.4	72	26.2	M6	25.4
		BH 161/03	01Z	EG2								56	73	24.5	M6	30
		BH 161/16	01Z	BG5								40	40	10.3	M8	32
80	0.55 0.75	BH 202/02	01Z	A04 - AG4	200	165	130	M10	11.5	16	136	52.4	72	26.2	M6	25.4
		BH 202/03	01Z	EG2								56	73	24.5	M6	30
		BH 202/16	01Z	BG5								40	40	10.3	M8	32
		BH 202/04	02Z	A0 - N4								71.5	96.2	32.5	M8	36.5
		BH 202/04	02W	E0								71.5	96.2	32.5	M8	36.5
		BH 202/17	02Z	B1								72	100	34.5	M8	80
		BH 202/02	01Z	A04 - AG4								200	165	130	M10	11.5
BH 202/03	01Z	EG2	56	73	24.5	M6	30									
BH 202/16	01Z	BG5	40	40	10.3	M8	32									
BH 202/04	02Z	A0 - N4	71.5	96.2	32.5	M8	36.5									
BH 202/04	02W	E0	71.5	96.2	32.5	M8	36.5									
BH 202/17	02Z	B1	72	100	34.5	M8	80									
100 112	2.2 3 4	BH 252/02	01Z	A04 - AG4	250	215	180	M12	13.5	20	182	52.4	72	26.2	M6	25.4
		BH 252/03	01Z	EG2								56	73	24.5	M6	30
		BH 252/16	01Z	BG5								40	40	10.3	M8	32
		BH 252/04	02Z	A0 - N4								71.5	96.2	32.5	M8	36.5
		BH 252/04	02W	E0								71.5	96.2	32.5	M8	36.5
		BH 252/17	02Z	B1								72	100	34.5	M8	80
132	5.5 7.5	BH 303/04	02Z	A0 - N4	300	265	230	M12	13.5	20	234	71.5	96	32.5	M8	36.5
		BH 303/17	02Z	B1								72	100	34.5	M8	80
	5.5 7.5 9	BH 303/04	02Z	A0 - N4								71.5	96.2	32.5	M8	36.5
		BH 303/17	02Z	B1								72	100	34.5	M8	80
		BH 303/06	03Z	A0								98.5	128	42	M10	50.8
		BH 303/06	03W	A0								98.5	128	42	M10	50.8

HC - ELASTIC COUPLINGS



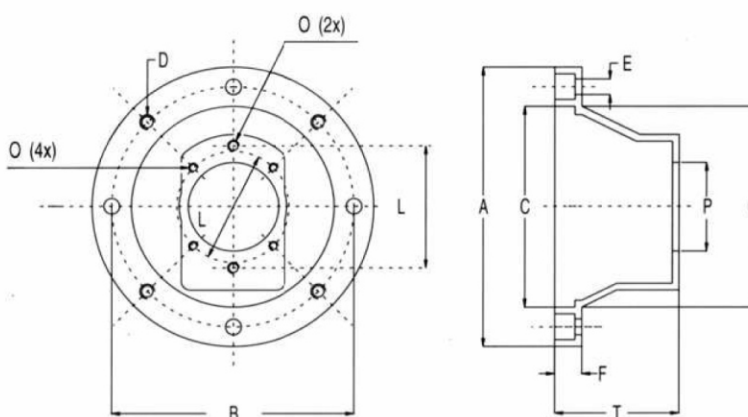
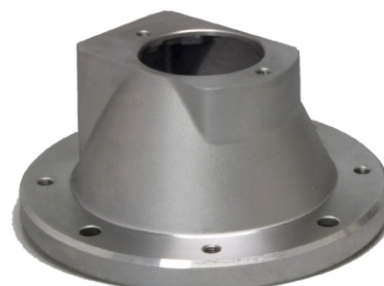
IMPORTANT:
For a correct application of the coupling please pay attention to size "I" which is the right distance between coupling halves

EL. MOTOR B5		ELASTIC COUPLINGS																	
Type	Kw	MOTOR HALF						SPIDER		PUMP TYPE	SHAFT TYPE	PUMP HALF						Q	
		CODE	A	B	C	D	F	CODE	I			CODE	L	Taper	M	N	O		P
71	0,37	HC1140	42	14	16,3	5	30	ER100	15	01Z	C	HC101A	9,8	1,08	5,9	2,4	28	20	65
										01Z	B	HC101D	9,6	1,05	5,9	2	28	17	62
80	0,55	HC2190	55	19	21,8	6	49	ER200	18	01Z	C	HC201A	9,8	1,08	5,9	2,4	34	26	93
										01Z	B	HC201D	9,6	1,05	5,9	2	34	23	90
	0,75	HC3190	65	19	21,8	6	48	ER300	20	02Z	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	90
										02Z	A	HC302D	16,9	1,05	9,7	3	36	22	90
										02W	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	90
										02W	A	HC302D	16,9	1,05	9,7	3	36	22	90
03Z	C	HC303A	22,1	1,08	12,5	4	46	38	106	03W	C	HC303A	22,1	1,08	12,5	4	46	38	106
										03W	C	HC303A	22,1	1,08	12,5	4	46	38	106
90	1,1	HC2240	55	24	27,3	8	49	ER200	18	01Z	C	HC201A	9,8	1,08	5,9	2,4	34	26	93
										01Z	B	HC201D	9,6	1,05	5,9	2	34	23	90
	1,5	HC3240	65	24	27,3	8	48	ER300	20	02Z	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	90
										02Z	A	HC302D	16,9	1,05	9,7	3	36	22	90
										02W	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	90
										02W	A	HC302D	16,9	1,05	9,7	3	36	22	90
03Z	C	HC303A	22,1	1,08	12,5	4	46	38	106	03W	C	HC303A	22,1	1,08	12,5	4	46	38	106
										03W	C	HC303A	22,1	1,08	12,5	4	46	38	106
100 112	2,2 3	HC2280	55	28	31,3	8	61	ER200	18	01Z	C	HC201A	9,8	1,08	5,9	2,4	34	26	105
										01Z	B	HC201D	9,6	1,05	5,9	2	34	23	102
	4	HC3280	65	28	31,3	8	60	ER300	20	02Z	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	102
										02Z	A	HC302D	16,9	1,05	9,7	3	36	22	102
										02W	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	102
										02W	A	HC302D	16,9	1,05	9,7	3	36	22	102
03Z	C	HC303A	22,1	1,08	12,5	4	46	38	118	03W	C	HC303A	22,1	1,08	12,5	4	46	38	118
										03W	C	HC303A	22,1	1,08	12,5	4	46	38	118
132	5,5 7,5	HC3380	65	38	41,3	10	89	ER300	20	02Z	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	131
										02Z	A	HC302D	16,9	1,05	9,7	3	36	22	131
										02W	C	HC302A-B	17,2	1,08	9,7	3,2-4	36	22	131
										02W	A	HC302D	16,9	1,05	9,7	3	36	22	131
	5,5 7,5 9	HC5380	95	38	41,3	10	80	ER500	26	02Z	C	HC502A-B	17,2	1,08	9,7	3,2-4	50	25	131
										02Z	A	HC502D	16,9	1,05	9,7	3	50	25	131
										02W	C	HC502A-B	17,2	1,08	9,7	3,2-4	50	25	131
										02W	A	HC502D	16,9	1,05	9,7	3	50	25	131
										03Z	C	HC503A	22,1	1,08	12,5	4	50	25	131
										03W	C	HC503A	22,1	1,08	12,5	4	50	25	131

ALLUMINIUM BELL-HOUSINGS

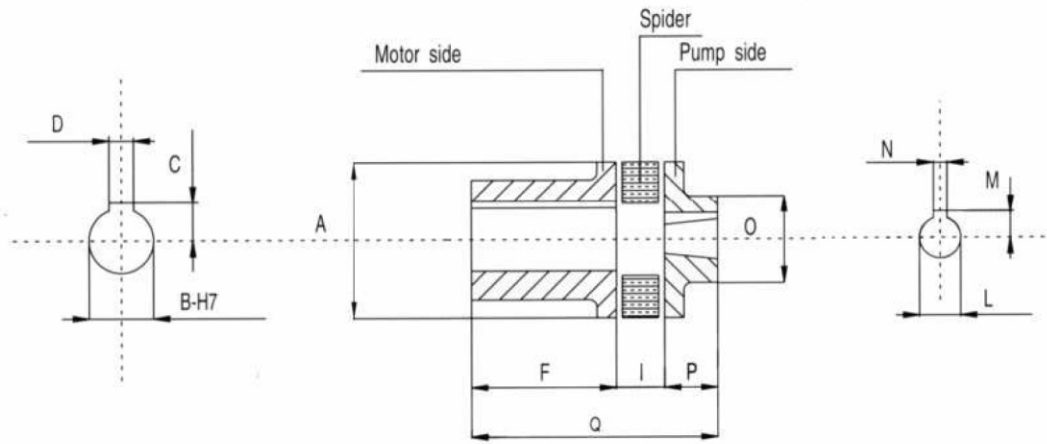
TECHNICAL DATA

For SAE flanged gear pumps and B5/B3 flange type electric motors.
Aluminium made.



EL. MOTOR B5		BELL HOUSING	PUMP		A	B	C	D	E	F	G	L	N. HOLES	O	P	T
Type	Kw	CODE	PUMP TYPE	SHAFT TYPE												
80 90	0.75 1.1 1.5	BH 202/082A	02Z	C4 - C7	200	165	130	M10	11.5	16	145	106.4	2	M10	82.55	98
		BH 202/082A	02W	C5								106.4	2	M10	82.55	
		BH 202/082A	03Z	B2								106.4	2	M10	82.55	
		BH 202/101B	02Z	H6								146	2	M12	101.6	
		BH 252/101B	03Z	B3								146	2	M12	101.6	
		BH 252/101B	03W	B3								146	2	M12	101.6	
100 112	2.2 3 4	BH 252/082A	02Z	C4 - C7	250	215	180	M12	13.5	20	190	106.4	2	M10	82.55	110
		BH 202/082A	02W	C5								106.4	2	M10	82.55	
		BH 202/082A	03Z	B2								106.4	2	M10	82.55	
		BH 252/101B	02Z	H6								146	2	M12	101.6	
		BH 252/101B	03Z	B3								146	2	M12	101.6	
		BH 252/101B	03W	B3								146	2	M12	101.6	
		BH 252/101D	03W	L3								127	4	M12	101.6	
132	5.5 7.5 9	BH 303/082A	02Z	C4 - C7	300	265	230	M12	13.5	20	234	106.4	2	M10	82.55	139
		BH 202/082A	02W	C5								106.4	2	M10	82.55	
		BH 202/082A	03Z	B2								106.4	2	M10	82.55	
		BH 303/101B	02Z	H6								146	2	M12	101.6	
		BH 202/101B	03Z	B3								146	2	M12	101.6	
		BH 252/101B	03W	B3								146	2	M12	101.6	
		BH 303/101D	03W	L3								127	4	M12	101.6	

HC - ELASTIC COUPLINGS



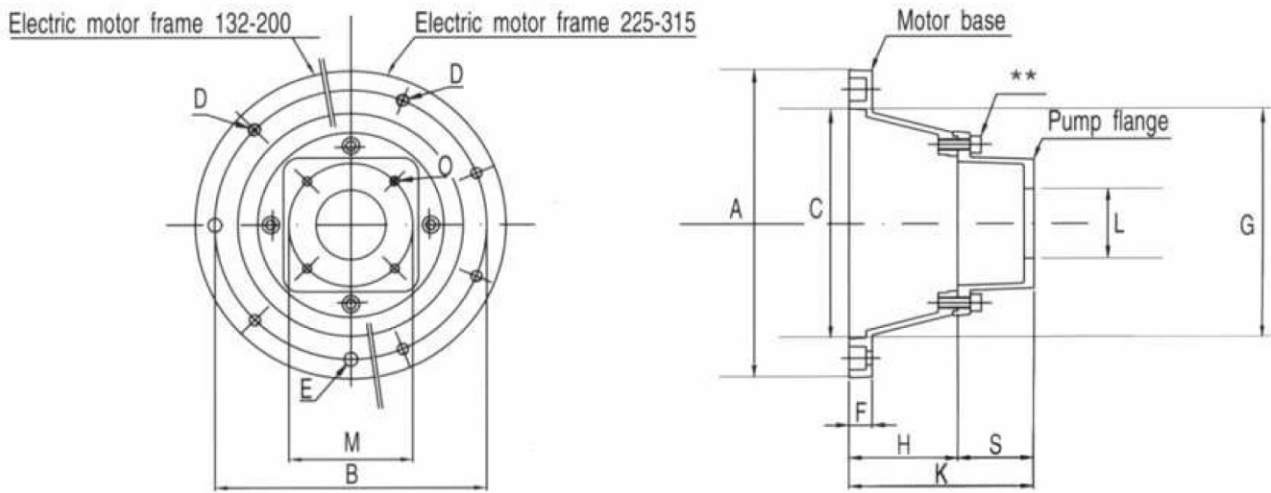
IMPORTANT:
For a correct application of the coupling please pay attention to size "I" which is the right distance between coupling halves

EL. MOTOR B5-4 POLES		ELASTIC COUPLINGS																	
Type	Kw	MOTOR HALF							SPIDER		PUMP		PUMP HALF					Q	
		Type	A	B	C	D	E	F	Type	I	PUMP TYPE	PUMP SHAFT	Type	L	N	M	O		P
80	0.55 0.75	HC 3190	65	19	21.8	6	38	48	ER 300	20	Z2	L	HC 315L - A022	15.85	3.97	16.7	36	22	90
											Z2	G	HC 318A - A022	18	6	20.8	36	22	90
											W2	G	HC 318A - A022	18	6	20.8	36	22	90
											Z2	N	HC 319M - C045	19.05	4.76	21.6	38	45	113
											Z3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
											W3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
90	1.1 1.5	HC 3240	65	24	27.3	8	46	48	ER 300	20	Z2	L	HC 315L - A022	15.85	3.97	16.7	36	22	90
											Z2	G	HC 318A - A022	18	6	20.8	36	22	90
											W2	G	HC 318A - A022	18	6	20.8	36	22	90
											Z2	N	HC 319M - C045	19.05	4.76	21.6	38	45	113
											Z3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
											W3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
100 112	2.2 3 4	HC 3280	65	28	31.3	8	50	60	ER 300	20	Z2	L	HC 315L - A022	15.85	3.97	16.7	36	22	90
											Z2	G	HC 318A - A022	18	6	20.8	36	22	90
											W2	G	HC 318A - A022	18	6	20.8	36	22	90
											Z2	N	HC 319M - C045	19.05	4.76	21.6	38	45	113
											Z3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
											W3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
132	5.5 7.5	HC 3380	65	38	41.3	10	64	89	ER 300	20	Z3	M	HC 325N - C045	25.4	6.35	28.4	45	45	113
											W3	D	HC 325N - C045	25.4	6.35	28.4	45	45	113
											Z2	L	HC 315L - A022	15.85	3.97	16.7	36	22	90
											Z2	G	HC 318A - A022	18	6	20.8	36	22	90
											W2	G	HC 318A - A022	18	6	20.8	36	22	90
											Z2	N	HC 319M - C045	19.05	4.76	21.6	38	45	113
	5.5 7.5 9	HC 5380	95	38	41.3	10	70	80	ER 500	26	Z3	L	HC 322N - C045	22.22	6.35	25.7	46	45	113
											W3	L	HC 322N - A025	22.22	6.35	25.7	46	45	131
											Z3	M	HC 525N - C045	25.4	6.35	28.4	45	45	151
											W3	D	HC 525N - C045	25.4	6.35	28.4	45	45	151
											Z2	L	HC 515L - A022	15.85	3.97	16.7	36	22	128
											Z2	G	HC 518A - A025	18	6	20.8	36	22	131

MODULAR BELL-HOUSINGS

DESCRIPTION

They are made in two parts:
 Electric motor base adaptor to be fixed on the pump flange adaptor.
 Pump flanges, made in different executions, suitable for the different kind of oil-hydraulic pumps existing in the market.
 Made in aluminium.



EL. MOTOR B5		MODULAR BELL HOUSING													
		MOTOR BASE									PUMP FLANGE				K
Type	Kw	Type	A	B	C	D	E	F	G	H	Type	L min.	L max.	S	K
132	5.5 7.5 9	B 300A	300	265	230	M12	13.5	20	234	106	F24A033/...	80	200	33	139
											F24A046/...			46	152
											F24A059/...			59	165
											F24A072/...			72	178
											F24A085/...			85	191
											F24A098/...			98	204
											F24B046/...	100	230	46	152
											F24B059/...			59	165
											F24B072/...			72	178
											F24B085/...			85	191
											F24C098/...			98	230
											F24C124/...			124	234
160 180	11 15 18.5 22	B 350A	350	300	250	M16	17.5	30	260	136	F24A033/...	80	200	33	139
											F24A046/...			46	152
											F24A059/...			59	165
											F24A072/...			72	178
											F24A085/...			85	191
											F24A098/...			98	204
											F24B046/...	100	230	46	152
											F24B059/...			59	165
											F24B072/...			72	178
											F24B085/...			85	191
											F24C098/...			98	230
											F24C124/...			124	234

*** INSERIRE CODICE LAVORAZIONE (VEDI TABELLA PAGINA 16)
 *** PUT MACHINING CODE (SEE TABLE AT PAGE 16)

MODULAR BELL-HOUSINGS

EL. MOTOR B5-4 POLES		MODULAR BELL HOUSING													
		MOTOR BASE									PUMP FLANGE				K
Type	Kw	Type	A	B	C	D	E	F	G	H	Type	L min.	L max.	S	
200	30	B 400A	400	350	300	M16	17.5	30	300	140	F24A033/...	80	200	33	139
											F24A046/...			46	152
											F24A059/...			59	165
											F24A072/...			72	178
											F24A085/...			85	191
											F24A098/...			98	204
											F24B046/...	100	230	46	152
											F24B059/...			59	165
											F24B072/...			72	178
											F24B085/...			85	191
											F24C098/...			98	230
											F24C124/...			100	280
225	37 45	B 450A	450	400	350	M16	17.5	30	350	170	F24A033/...	80	200	33	203
											F24A046/...			46	216
											F24A059/...			59	229
											F24A072/...			72	242
											F24A085/...			85	255
											F24A098/...			98	268
250 280	55 75 90	B 550B	550	500	450	18	-	30	450	180	F34A046/...	100	250	46	226
											F34A059/...			59	239
											F34A072/...			72	252
											F34A085/...			85	265
											F34B098/...	125	320	98	278
											F34B124/...			124	304
											F34B150/...			150	330
											F34B176/...			176	356
315	110 132 160 200	B 660B	660	600	550	22	-	40	550	210	F34A046/...	100	250	46	256
											F34A059/...			59	269
											F34A072/...			72	282
											F34A085/...			85	295
											F34B098/...	125	320	98	308
											F34B124/...			124	334
											F34B150/...			150	360
											F34B176/...			176	386
355 400	200 250 315	ON REQUEST													

*** INSERIRE CIDCE LAVORAZIONE (VEDI TABELLA)
 *** PUT MACHINING CODE (SEE TABLE BELOW)

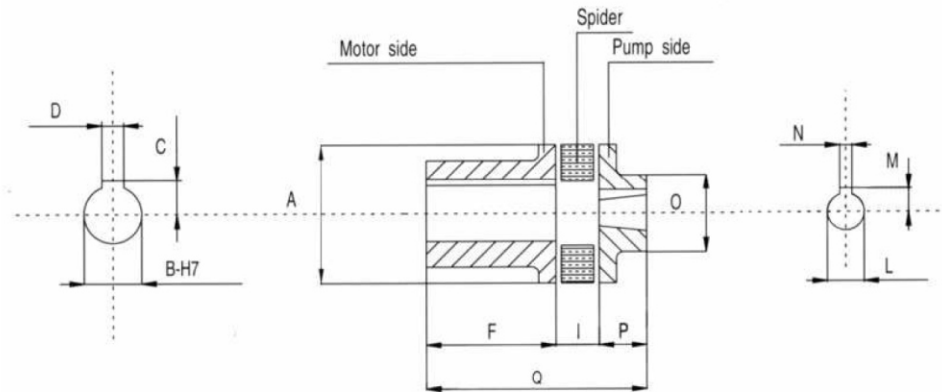
PUMP FLANGE FIXATION HOLES CODE for SAE standards

Pump type	Code	Ø L	n°	Ø O	Ø M	Pump type	Code	Ø L	n°	Ø O	Ø M	Pump type	Code	Ø L	n°	Ø O	Ø M
02Z	082A	82,55	2	M10	106,4	03W	101A	101,6	2	M10	146	03W	127A	127	2	M16	181,2
02W	082A	82,55	2	M10	106,4	03Z	101B	101,6	2	M12	146	04W	127A	127	2	M16	181,2
03Z	082A	82,55	2	M10	106,4	03W	101B	101,6	2	M12	146	03W	127C	127	4	M14	161,5
02Z	101A	101,6	2	M10	146	03W	101D	101,6	4	M12	127	04W	127C	127	4	M14	161,5

PUMP FLANGE FIXATION HOLES CODE for EUROPEAN and GERMAN standards

Pump type	Code	L	M	ØN	O	ØP	Pump type	Code	L	M	ØN	O	ØP	Pump type	Code	L	M	ØN	O	ØP
02Z	04	71.5	96	32.5	M8	36.5	03Z	06	98.5	128	42	M10	50.8	03Z	18	102	145	48	M10	105
02Z	17	72	100	34.5	M8	80	03W	06	98.5	128	42	M10	50.8	03W	18	102	145	48	M10	105
02Z	04	71.5	96.2	32.5	M8	36.5	03Z	08	114	149	49.3	M10	60	04W	11	143	188	7.12	M12	63,5
02Z	17	72	100	34.5	M8	80	03W	08	114	149	49.3	M10	60							

HC - ELASTIC COUPLINGS



EL. MOTOR B5-4 POLES		ELASTIC COUPLINGS																								
Type	Kw	CODE	MOTOR HALF					SPIDER		PUMP	Type	PUMP HALF							Q							
			A	B	C	D	F	CODE	I			A	L	Taper	M	N	O	P								
132	7,5	HC5380	95	38	41,3	10	80	ER500	26	02Z - 02W	HC502A-B	95	17,2	1,08	9,7	3,2-4	50	25	131							
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503,5A-B									25,4	1,08	15	4,76-5	65	48	154
										04W	HC504A-B									33,4	1,08	19-19,5	6,35-7	65	48	154
										02Z	HC 515L - A022									15,85	---	3,97	16,7	36	22	128
										02Z - 02W	HC 518A - A025									18	---	6	20,8	36	22	131
										03Z - 03W	HC 522N - A025									22,22	---	6,35	25,7	46	45	131
										03Z - 03W	HC 525N - C045									25,4	---	6,35	28,4	45	45	151
										03W - 04W	HC 531P - C045									31,7	---	7,95	35,4	45	45	151
160	11 15	HC5420	95	42	45,3	12	110	ER500	26	02Z - 02W	HC502A-B	95	17,2	1,08	9,7	3,2-4	50	25	131							
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503,5A-B									25,4	1,08	15	4,76-5	65	48	154
										04W	HC504A-B									33,4	1,08	19-19,5	6,35-7	65	48	154
										02Z	HC 515L - A022									15,85	---	3,97	16,7	36	22	128
										02Z - 02W	HC 518A - A025									18	---	6	20,8	36	22	131
										03Z - 03W	HC 522N - A025									22,22	---	6,35	25,7	46	45	131
										03Z - 03W	HC 525N - C045									25,4	---	6,35	28,4	45	45	151
										03W - 04W	HC 531P - C045									31,7	---	7,95	35,4	45	45	151
180	18,5 22	HC5480	95	48	51,8	14	110	ER500	26	02Z - 02W	HC502A-B	95	17,2	1,08	9,7	3,2-4	50	25	131							
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503A									22,1	1,08	12,5	4	50	25	131
										03Z - 03W	HC503,5A-B									25,4	1,08	15	4,76-5	65	48	154
										04W	HC504A-B									33,4	1,08	19-19,5	6,35-7	65	48	154
										02Z	HC 515L - A022									15,85	---	3,97	16,7	36	22	128
										02Z - 02W	HC 518A - A025									18	---	6	20,8	36	22	131
										03Z - 03W	HC 522N - A025									22,22	---	6,35	25,7	46	45	131
										03Z - 03W	HC 525N - C045									25,4	---	6,35	28,4	45	45	151
										03W - 04W	HC 531P - C045									31,7	---	7,95	35,4	45	45	151
200	30	HC7550	120	55	49,3	16	110	ER700	30	02Z - 02W	HC702A-B	95	17,2	1,08	9,7	3,2-4	50	25	195							
										03Z - 03W	HC703A									22,1	1,08	12,5	4	50	25	195
										03Z - 03W	HC703A									22,1	1,08	12,5	4	50	25	195
										03Z - 03W	HC703,5A-B									25,4	1,08	15	4,76-5	65	48	195
										04W	HC704A-B									33,4	1,08	19-19,5	6,35-7	65	48	195
										02Z	HC 715L - A022									15,85	---	3,97	16,7	36	22	195
										02Z - 02W	HC 718A - A025									18	---	6	20,8	36	22	218
										03Z - 03W	HC 722N - A025									22,22	---	6,35	25,7	46	45	218
										03Z - 03W	HC 725N - C045									25,4	---	6,35	28,4	45	45	218
										03W - 04W	HC 731P - C045									31,7	---	7,95	35,4	45	45	218
225	37 45	HC7600	120	60	64,4	18	140	ER700	30	02Z - 02W	HC702A-B	95	17,2	1,08	9,7	3,2-4	50	25	195							
										03Z - 03W	HC703A									22,1	1,08	12,5	4	50	25	195
										03Z - 03W	HC703A									22,1	1,08	12,5	4	50	25	195
										03Z - 03W	HC703,5A-B									25,4	1,08	15	4,76-5	65	48	195
										04W	HC704A-B									33,4	1,08	19-19,5	6,35-7	65	48	195
										02Z	HC 715L - A022									15,85	---	3,97	16,7	36	22	195
										02Z - 02W	HC 718A - A025									18	---	6	20,8	36	22	218
										03Z - 03W	HC 722N - A025									22,22	---	6,35	25,7	46	45	218
										03Z - 03W	HC 725N - C045									25,4	---	6,35	28,4	45	45	218
										03W - 04W	HC 731P - C045									31,7	---	7,95	35,4	45	45	218

HOW TO ORDER MODULAR BELL-HOUSINGS

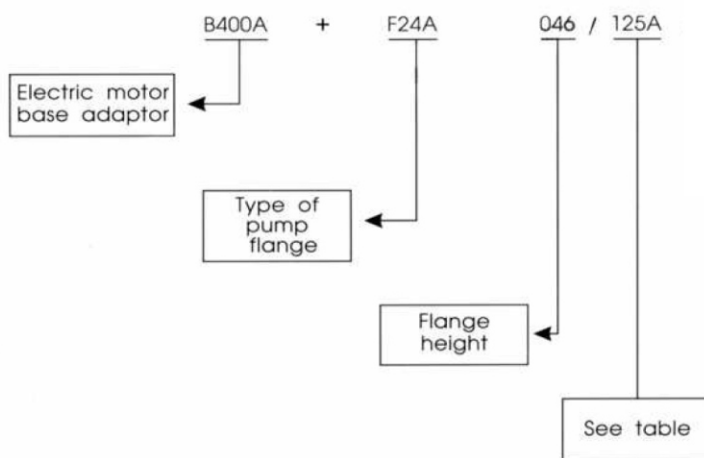
ESSENTIAL:

Bell-housing + flange height > electric motor + pump shafts height

Electric motor base adaptor is designed according to the electric motor frame max. O.D. size (i.e. 400 mm)

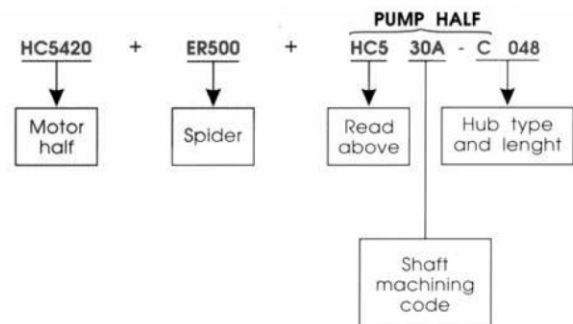
Pump adaptor is defined by the fixation sizes of the pump.

EXAMPLE OF COMPLETE ORDERING CODE



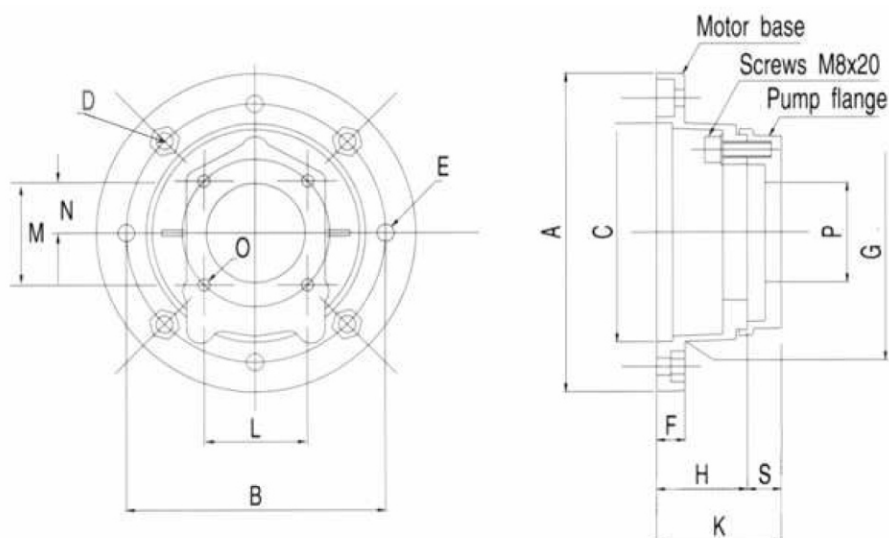
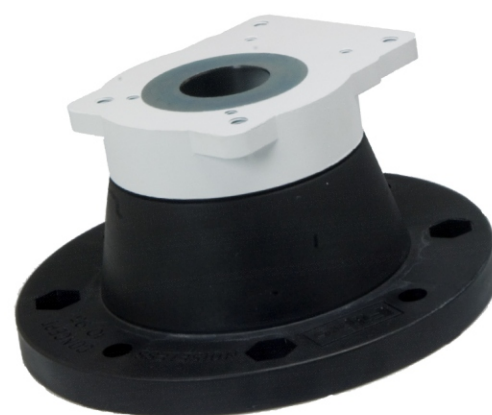
HOW TO COMPOSE COUPLING CODE

- "HC" stands for coupling half.
- "ER" is the spider or elastic ring.
- The first number of all codes identifies the max O.D. of coupling, sizes are as follows: 1=Ø 42mm, 2=Ø 55mm, 3=Ø 65mm, 5=Ø 95mm, 7=Ø 120mm, 8=Ø 16mm and 9=Ø 200mm
- The elastic motor half coupling has, then, got the shaft size in mm (I.E. 42). The complete code is ending with a 0 (zero) and is always composed by four numbers.
- The pump half coupling is always composed of numbers and letters which all together describe, as per tables, the coupling size, shaft and keyway plus useful length of the coupling half.
- After composition of the complete coupling codes please check that the total length (sizes F+I+P) is compatible with the bell-housing chosen.
- Coupling length can be shortened on request.



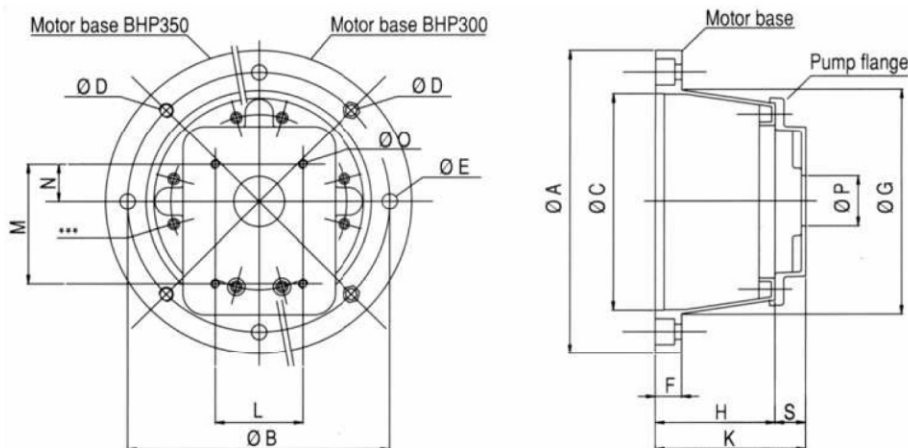
NOISLESS BELL-HOUSINGS

Significant noise reduction compared with all metal bell-housings.
 No separate damping flange required.
 Complete electrical insulation electric motor/pump
 High impact resistance 100 % recyclable.
 Reduced stock inventory.



EL. MOTOR		MODULAR BELL-HOUSING FOR GEAR PUMPS																		
B5		PUMP	MOTOR BASE	PUMP FLANGE	A	B	C	D	E	F	G	H	L	M	N	O	P	S	K	ELASTIC COUPLING
TYPE	KW																			
63	0,25	01Z	BHP 140	F10A/02	140	115	95	8,5	8,5	14	100	46	52,4	72	26,2	M6	25,4	17	63	VEDI PAG. 14 SEE PAGE 14
		01Z		F10A/03									56	73	24,5	M6	30			
		01Z		F10A/16									40	40	10,3	M6	32			
71	0,25 0,37	1PM	BHP 160	F10A/02	160	130	110	8,5	8,5	14	110	53	52,4	72	26,2	M6	25,4	17	70	VEDI PAG. 14 SEE PAGE 14
		1MM		F10A/03									56	73	24,5	M6	30			
		1ZB		F10A/16									40	40	10,3	M6	32			
		02Z		F10B/04									71,5	96	32,5	M8	36,5	25	78	
		02W		F10B/17									72	100	34,5	M8	80	25	78	
		02Z-02W-03Z		F10B/082A									106,4	---	---	M10	82,55	25	78	
80	0,55 0,75	1PM	BHP 200	F10A/02	200	165	130	11	11	16	130	73	52,4	72	26,2	M6	25,4	17	90	VEDI PAG. 14 SEE PAGE 12
		1MM		F10A/03									56	73	24,5	M6	30			
		1ZB		F10A/16									40	40	10,3	M6	32			
		02Z		F10B/04									71,5	96	32,5	M8	36,5	25	98	
		02W		F10B/17									72	100	34,5	M8	80	25	98	
		02Z-02W-03Z		F10B/082A									106,4	---	---	M10	82,55	25	78	
90	1,1 1,5	1PM	BHP 200	F10A/02	200	165	130	11	11	16	130	73	52,4	72	26,2	M6	25,4	17	90	VEDI PAG. 14 SEE PAGE 14
		1MM		F10A/03									56	73	24,5	M6	30			
		1ZB		F10A/16									40	40	10,3	M6	32			
		02Z		F10B/04									71,5	96	32,5	M8	36,5	25	98	
		02W		F10B/17									72	100	34,5	M8	80	25	98	
		02Z-02W-03Z		F10B/082A									106,4	---	---	M10	82,55	25	78	
100 112	2,2 3 4	1PM	BHP 250	F10A/02	200	165	130	11	11	16	130	73	52,4	72	26,2	M6	25,4	17	90	VEDI PAG. 14 SEE PAGE 14
		1MM		F10A/03									56	73	24,5	M6	30			
		1ZB		F10A/16									40	40	10,3	M6	32			
		02Z		F10B/04									71,5	96	32,5	M8	36,5	25	98	
		02W		F10B/17									72	100	34,5	M8	80	25	98	
		02Z-02W-03Z		F10B/082A									106,4	---	---	M10	82,55	25	78	

NOISLESS BELL-HOUSINGS



EL. MOTOR B5		MODULAR BELL HOUSING																					
		MOTOR BASE										PUMP FLANGE				K							
Type	Kw	Type	A	B	C	D	E	F	G	H	Type	L min.	L max.	S									
132	5.5 7.5 9	B 300A	300	265	230	M12	13.5	20	234	106	F24A033/...	80	200	33	139								
											F24A046/...			46		152							
											F24A059/...			59			165						
											F24A072/...			72				178					
											F24A085/...			85					191				
											F24A098/...			98						204			
											F24B046/...			46							152		
											F24B059/...			59								165	
											F24B072/...			72									178
											F24B085/...			85									
F24C098/...	98	230																					
F24C124/...	124		234																				
160 180	11 15 18.5 22			B 350A	350	300	250	M16	17.5	30	260	136	F24A033/...	80	200	33	139						
													F24A046/...			46		152					
													F24A059/...			59			165				
													F24A072/...			72				178			
													F24A085/...			85					191		
													F24A098/...			98						204	
													F24B046/...			46							152
													F24B059/...			59							
		F24B072/...											72			178							
		F24B085/...	85										191										
F24C098/...	98	230																					
F24C124/...	124		234																				

*** INSERIRE CIDCE LAVORAZIONE (VEDI TABELLA)
 *** PUT MACHINING CODE (SEE TABLE BELOW)

PUMP FLANGE FIXATION HOLES CODE for SAE standards

Pump type	Code	Ø L	n°.	Ø O	Ø M	Pump type	Code	Ø L	n°.	Ø O	Ø M	Pump type	Code	Ø L	n°.	Ø O	Ø M
02Z	082A	82,55	2	M10	106,4	03W	101A	101,6	2	M10	146	03W	127A	127	2	M16	181,2
02W	082A	82,55	2	M10	106,4	03Z	101B	101,6	2	M12	146	04W	127A	127	2	M16	181,2
03Z	082A	82,55	2	M10	106,4	03W	101B	101,6	2	M12	146	03W	127C	127	4	M14	161,5
023	101A	101,6	2	M10	146	03W	101D	101,6	4	M12	127	04W	127C	127	4	M14	161,5

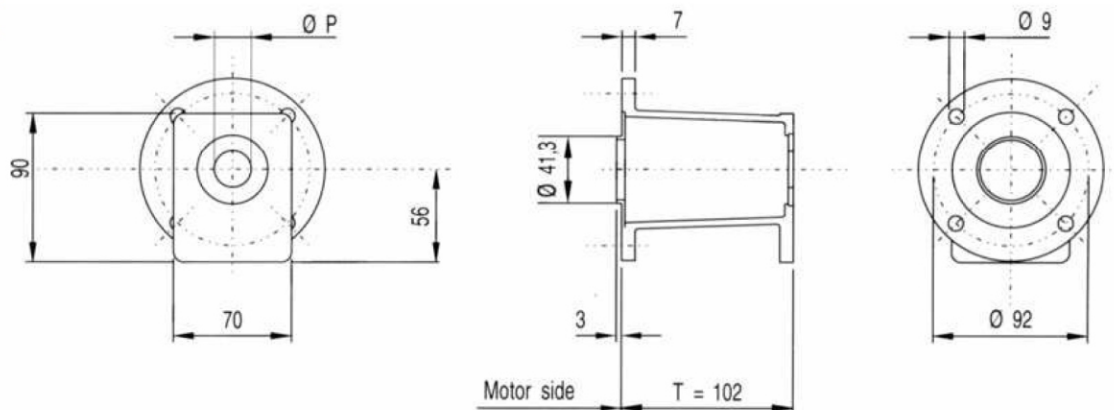
PUMP FLANGE FIXATION HOLES CODE for EUROPEA and GERMAN standards

Pump type	Code	L	M	ØN	O	ØP	Pump type	Code	L	M	ØN	O	ØP	Pump type	Code	L	M	ØN	O	ØP
02Z	04	71.5	96	32.5	M8	36.5	03Z	06	98.5	128	42	M10	50.8	03Z	18	102	145	48	M10	105
02Z	17	72	100	34.5	M8	80	03W	06	98.5	128	42	M10	50.8	03W	18	102	145	48	M10	105
02Z	04	71.5	96.2	32.5	M8	36.5	03Z	08	114	149	49,3	M10	60	04W	11	143	188	7.12	M12	63,5
02Z	17	72	100	34.5	M8	80	03W	08	114	149	49,3	M10	60							

BELL-HOUSINGS FOR PETROL ENGINES



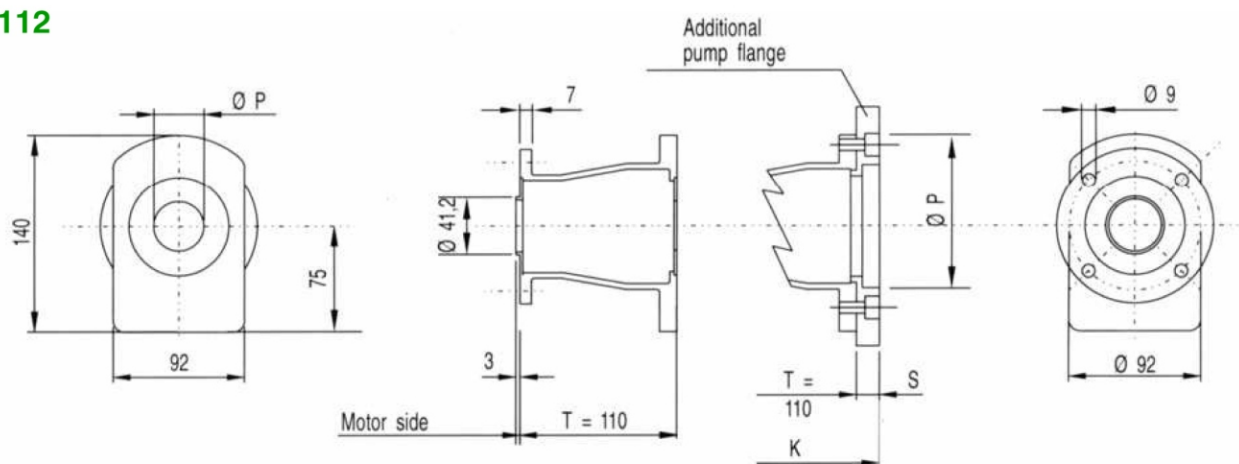
BHE 111



BELL-HOUSING CODE	PUMP CODE	PUMP FACE MACHINING					HEIGHT		ELASTIC COUPLING			MAX TORQUE Nm
		NO HOLES	L	M	N	O	P	T	MOTOR HALF	SPIDER	PUMP HALF	
BHE111/02	01Z	4	52,4	72	26,2	M6	25,4	102	HC1***-050	ER100	HC101A	11,5
BHE111/03	01Z	4	56	73	24,5	M6	30	102			HC101B	

*** INSERIRE CODICE LAVORAZIONE (VEDI TABELLA PAG.23)
 *** PUT MACHINING CODE (SEE TABLE PAGE 23)

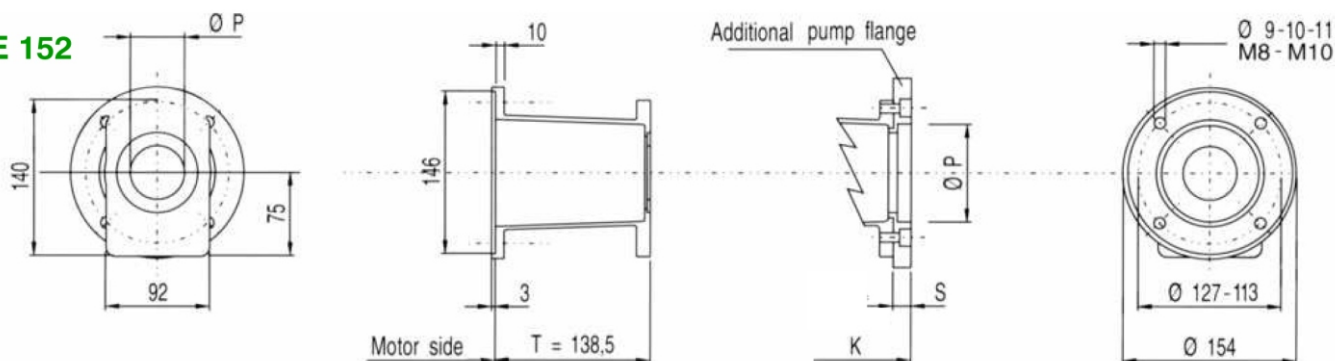
BHE 112



BELL-HOUSING CODE	PUMP CODE	PUMP FACE MACHINING					HEIGHT				ELASTIC COUPLING			MAX TORQUE Nm
		N. HOLES	L	M	N	O	P	S	T	K	MOTOR HALF	SPIDER	PUMP HALF	
BHE112/04	02Z - 02W	4	71,5	96	32,5	M8	36,5	-	110	-	HC3***-048	ER300	HC302A-B	115
BHE112/17	02Z	4	72	100	34,5	M8	80	-	110	-			HC302D	
BHE112/082A	02Z-02W-03W	2	106,4	-	-	M10	82,55	-	110	-	HC3***-048	ER300	SEE PAGE 14	115

BELL-HOUSINGS FOR PETROL ENGINES

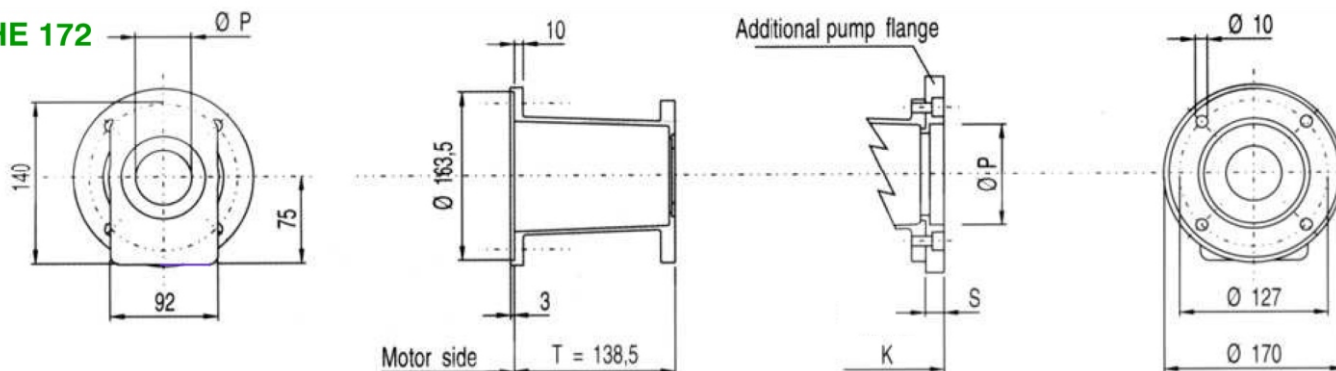
BHE 152



BELL-HOUSING CODE	PUMP CODE	PUMP FACE MACHINING						HEIGHT			ELASTIC COUPLING			MAX TORQUE Nm
		N. HOLES	L	M	N	O	P	S	T	K	MOTOR HALF	SPIDER	PUMP HALF	
BHE152/02	01Z	4	52,4	72	26,2	M6	25,4	-	138,5	-	HC3***-048	ER300	HC301A	115
BHE152/03	01Z	4	56	73	24,5	M6	30	-	138,5	-			HC301B	
BHE152/04	02Z - 02W	4	71,5	96	32,5	M8	36,5	-	138,5	-	HC3***-048	ER300	HC302A-B	
BHE152/17	02Z	4	72	100	34,5	M8	80	-	138,5	-			HC302D	
BHE152/082A	02Z-02W-03W	2	106,4	-	-	M10	82,55	-	138,5	-	HC3***-048	ER300	SEE PAGE 14	

*** INSERIRE CIDCE LAVORAZIONE (VEDI TABELLA PAG.23)
 *** PUT MACHINING CODE (SEE TABLE PAGE 23)

BHE 172

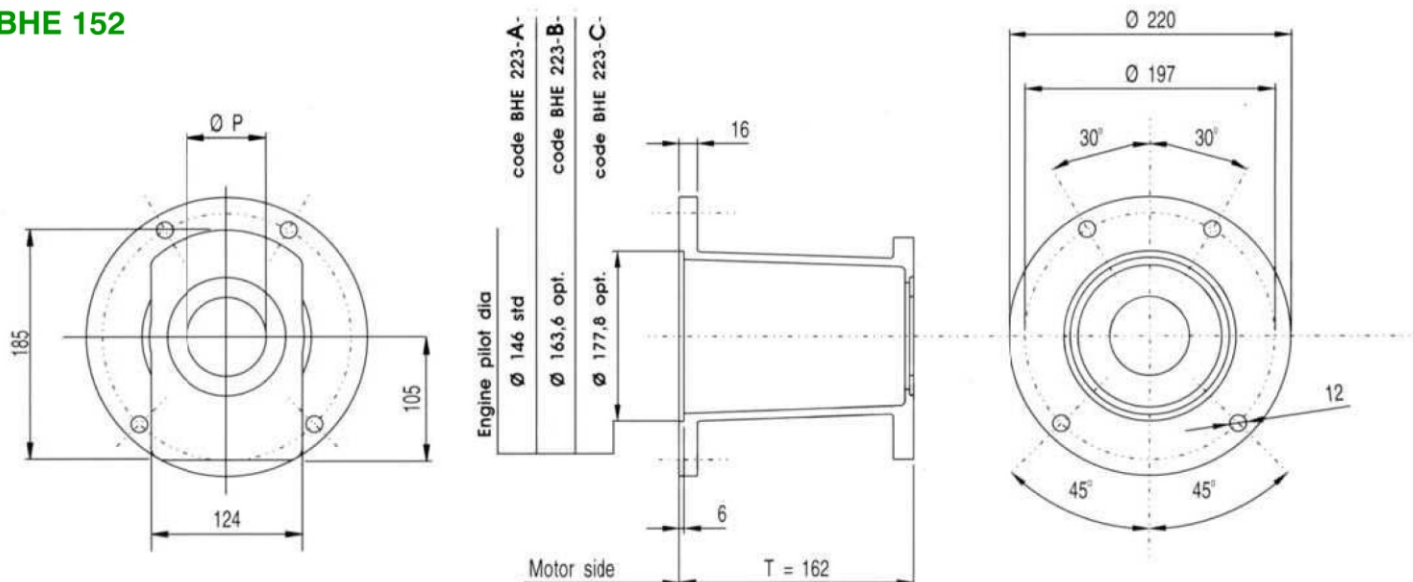


BELL-HOUSING CODE	PUMP CODE	PUMP FACE MACHINING						HEIGHT			ELASTIC COUPLING			MAX
		N°	L	M	N	O	P	S	T	K	MOTOR	SPIDER	PUMP	
BHE172/02	1PM	4	52,4	72	26,2	M6	25,4	-	138,5	-	HC3***-048	ER300	HC301A	115
BHE172/03	1MM	4	56	73	24,5	M6	30	-	138,5	-			HC301B	
BHE172/04	02M-02C	4	71,5	96	32,5	M8	36,5	-	138,5	-			HC302A-B	
BHE172/17	2ZF	4	72	100	34,5	M8	80	-	138,5	-			HC302D	
BHE172/082A	082A	2	106,4	-	-	M10	82,55	-	138,5	-			ER300	

*** INSERIRE CIDCE LAVORAZIONE (VEDI TABELLA PAG.23)
 *** PUT MACHINING CODE (SEE TABLE PAGE 23)

BELL-HOUSINGS FOR PETROL ENGINES

BHE 152



BELL-HOUSING CODE	PUMP CODE	PUMP FACE MACHINING							HEIGHT		ELASTIC COUPLING			MAX TORQUE Nm
		N. HOLES	L	M	N	O	P	T	MOTOR HALF	SPIDER	PUMP HALF			
BHE223-*/ 04	02Z - 02W	4	71,5	96	32,5	M8	36,5	162	HC5***-080	ER500	HC502A-B	310		
BHE223-*/ 17	02Z	4	72	100	34,5	M8	80	162			HC502D			
BHE223-*/ 06	03Z-03W	4	98,5	128	42	M10	50,8	162			HC503A			
BHE223-*/ 082A	02Z -02W- 03W	2	106,4	-	-	M10	82,55	162	HC5***-080	ER500	HC5***-***			
BHE223-*/ 101B	02Z -03Z -03W	2	146	-	-	M12	101,6	162						
BHE152-*/ 101D	03W	4	127	-	-	M12	101,6	-						

*** INSERIRE CIDCE LAVORAZIONE (VEDI TABELLA)
 *** PUT MACHINING CODE (SEE TABLE BELOW)

MOTOR HALF MACHINING CODE

CODE	06A	07A	08A	10A	11A	12A	12B	14A	15A	15B	16A	16B	17A	18A	18B	19A	19B	20A	20B	22A	22B
L	6	7	8	10	11	12	12	14	15	15	16	16	17	18	18	19	19	20	20	22	22
N	2	2	3	3	4	4	3	5	5	4	5	4	5	6	5	6	5	6	5	6	5
M	7	8	9,4	11,4	12,8	13,8	13,4	16,3	17,3	16,8	18,3	17,8	19,3	20,8	20,3	21,8	21,3	22,8	22,3	24,8	24,3
CODE	24A	24B	25A	25B	28A	30A	32A	35A	38A	40A	42A	45A	48A	50A	55A	60A	65A	70A	75A	80A	
L	24	24	25	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	80	
N	8	6	8	6	8	8	10	10	10	12	12	14	14	14	16	18	18	20	20	22	
M	27,3	26,8	28,3	27,8	31,3	33,3	35,3	38,3	41,3	43,3	45,3	48,8	51,8	53,8	59,3	64,4	69,4	74,9	79,9	85,4	
CODE	12H	13H	15H	15L	15M	17M	19H	19M	22M	22N	25M	25N	31N	31P	34P	38R	44S	50T			
L	12,70	13,45	15,87	15,87	15,87	17,46	19,05	19,05	22,22	22,22	25,40	25,40	31,75	31,75	34,92	38,10	44,45	50,80			
N	3,17	3,17	3,17	3,97	4,76	4,76	3,17	4,76	4,76	6,35	4,76	6,35	6,35	7,94	7,94	9,52	11,11	12,73			
M	14,3	15	17,5	17,9	18,1	19,7	20,7	21,3	24,5	25,2	27,8	28,4	34,7	35,4	38,6	42,5	49,4	56,4			

SLEEVE TYPE DRIVE COUPLINGS FOR BHE

Two crowned teeth hubs engage a sleeve permitting easy assembly, compensation of axial and angular misalignment.

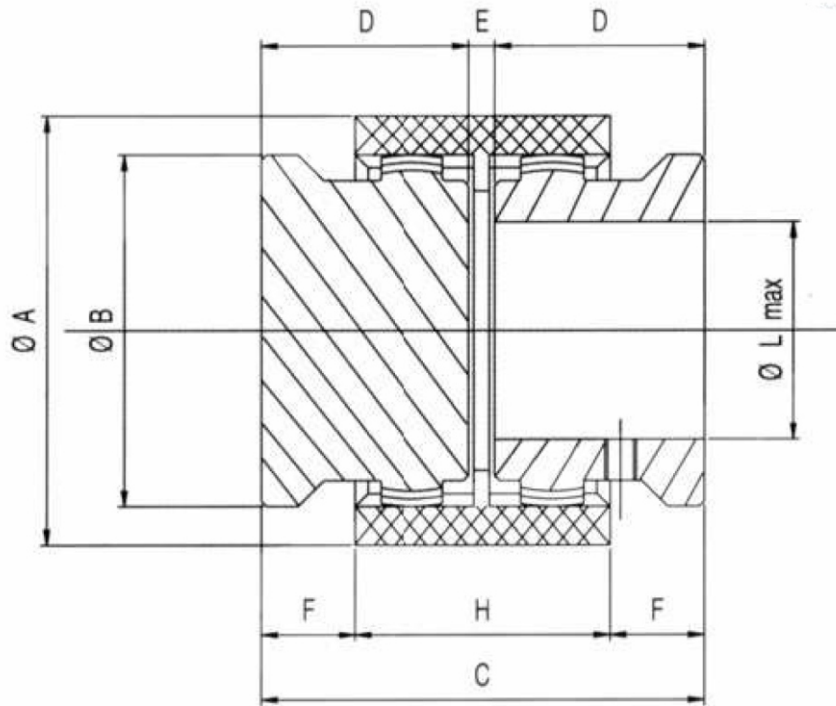
No maintenance and lubrication required.

Two options available:

quality steel hubs with nylon sleeve for general industrial applications.

Aisi 316 stainless steel hubs with nylon/teflon sleeve for severe chemical applications (petrochemical) food industries, etc.

Working temperature -25 to +90° C.



TYPE	DIMENSIONS mm								MAX MISALIGNMENT		
	A	B	C	D	E	F	H	L max	RADIAL	AXIAL	ANGULAR
THC 4-14/***	40	23	50	23	4	6,5	37	14	+/- 0,3	+/- 1	+/- 1°
THC 6-32/***	66	53	84	40	4	19	46	32	+/- 0,4	+/- 1	+/- 1°
THC 8-42/***	83	68	84	40	4	18	48	42	+/- 0,4	+/- 1	+/- 1°
THC 14-70/***	140	109	144	66	3	34	72	70	+/- 0,6	+/- 1	+/- 1°
THC 17-90/***	175	142	186	90	3	46,5	93	90	+/- 0,7	+/- 1	+/- 1°

*** INSERIRE CODICE LAVORAZIONE (VEDI TABELLA PAG. 23)

*** PUT MACHINING CODE (SEE TABLE PAGE 23)

HOW TO ORDER

TECHNICAL DATA

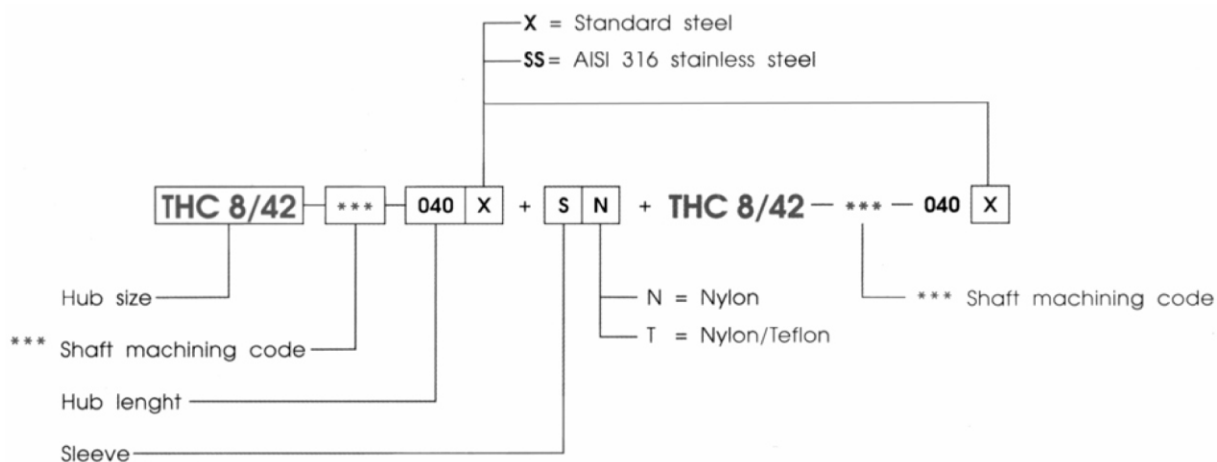
ELECTRIC MOTOR			GEAR COUPLING		TECHNICAL DATA						
2 POLES 3000 rpm	4 POLES 1500 rpm	6 POLES 1000 rpm	HUB	SLEEVE	POWER Kw/rpm		TORQUE Nm		MAX rpm	WEIGHT Kg	Moment of inertia
KW	KW	KW			Continuos	MAX	Continuos	MAX			
0,18-0,25	0,12-0,18	-	THC 4/14-XXX-023	SN 4	0,001	0,002	10	20	12000	0,22	0,25
0,37-0,55	0,25-0,37	-									
0,75-1,1	0,55-0,75	-	THC 6/32-XXX-040	SN 6	0,0046	0,0092	45	90	8000	1,38	5,8
1,5-2,2	1,1-1,5	-									
03-apr	2,2-3-4	-									
5,5-7,5-9	5,5-7,5	3-4-5,5	THC 8/42-XXX-040	SN 8	0,0083	0,0166	80	160	6000	2,2	12,2
11-15-18,5	nov-15	7,5-11									
22	18,5-22	15									
30-37	30	18,5-22	THC 17/90-XXX-090	S N 17	0,072	0,144	760	1400	3000	21,5	5,4
45	37-45	30									
55	55	37									
	75-90	45-55									
	110	75									

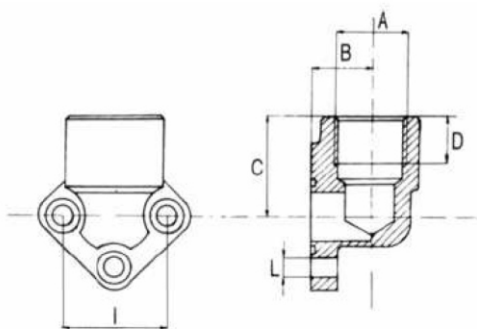
ASSEMBLY PROCEDURE

Respect max. allowed misalignments;

Tighten grub on each hub;

When the coupling is assembled the two hubs should have an axial gap as specified in size "E"

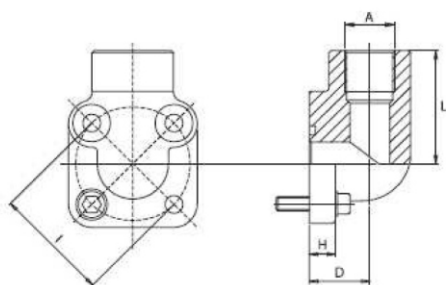


ELBOW JOINTS FOR INLET-OUTLET SIDE

CODE	A	B	C	D	I	L	Screws	OR
1 *	3/8"	17	27	14	30	6.5	M6x22	121
2 *	1/2"	17	27	14	30	6.5	M6x22	121
3 *	1/2"	22	36	16	40	8.5	M8x25	132
4 *	3/4"	22	36	16	40	8.5	M8x25	132
5	3/4"	26	48	21	51	10.5	M10x30	4118
6	1"	26	48	21	51	10.5	M10x30	4118
7	3/4"	26	48	21	56	10.5	M10x30	4137
8	1"	26	48	21	56	10.5	M10x30	4137

* DISPONIBILI ANCHE IN TECNOPOLIMERO PER APPLICAZIONI FINO A 20 BAR

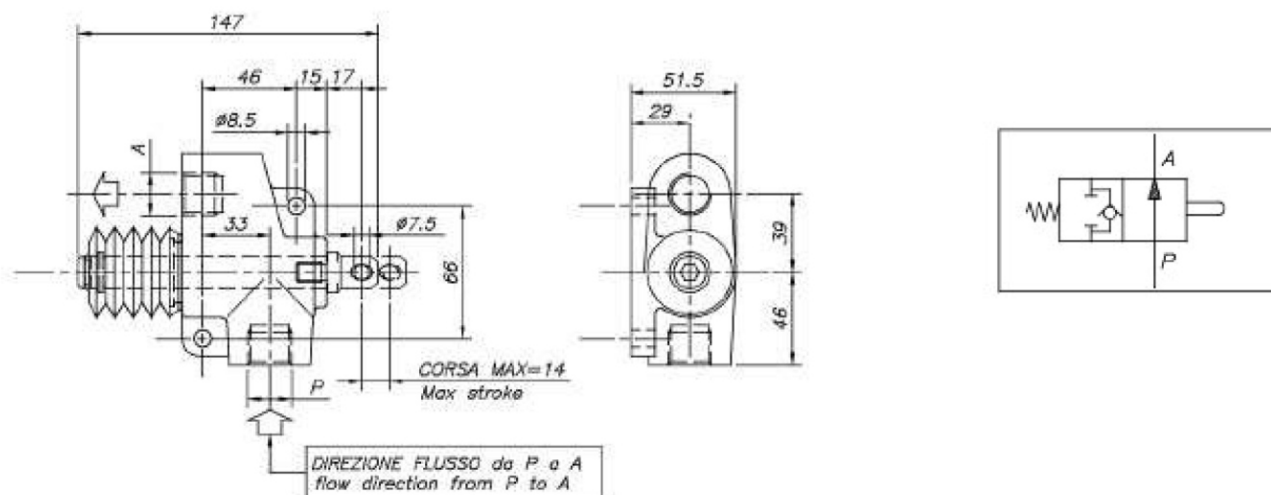
* AVAILABLE IN COMPOSITE MATERIAL FOR APPLICATION OF 20 BAR



CODE	A	D	L	I	H	Screws	OR
1	3/8"	18	40	35	11	M6x30	3075
2	1/2"	18	40	35	11	M6x30	3075
3	1/2"	24	41.5	40	11.5	M6x30	132
4	3/4"	24	41.5	40	11.5	M6x30	132

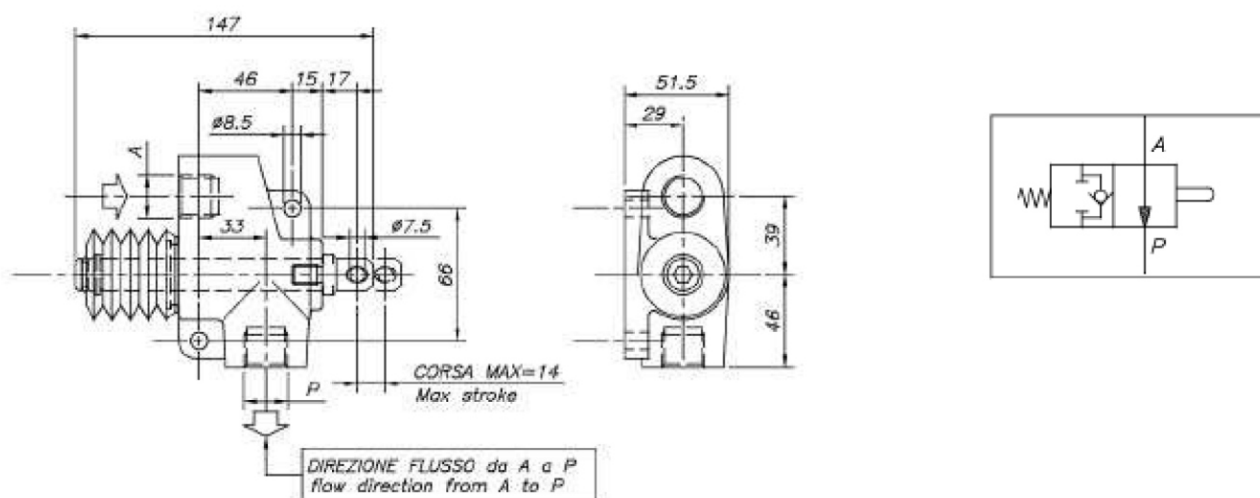
END-OFF STROKE VALVE

Tipping valves, two position mechanically operated for tipper vehicle.



CODE	P - A	Pressure	Flow	Weight
VCF3/8TNA	3/8" BSP	250 bar	60	1.7
VCF1/2TNA	1/2" BSP	250 bar	80	1.7
VCF3/4TNA	3/4" BSP	250 bar	100	1.6

Tipping valves, two position mechanically operated for tipper vehicle.

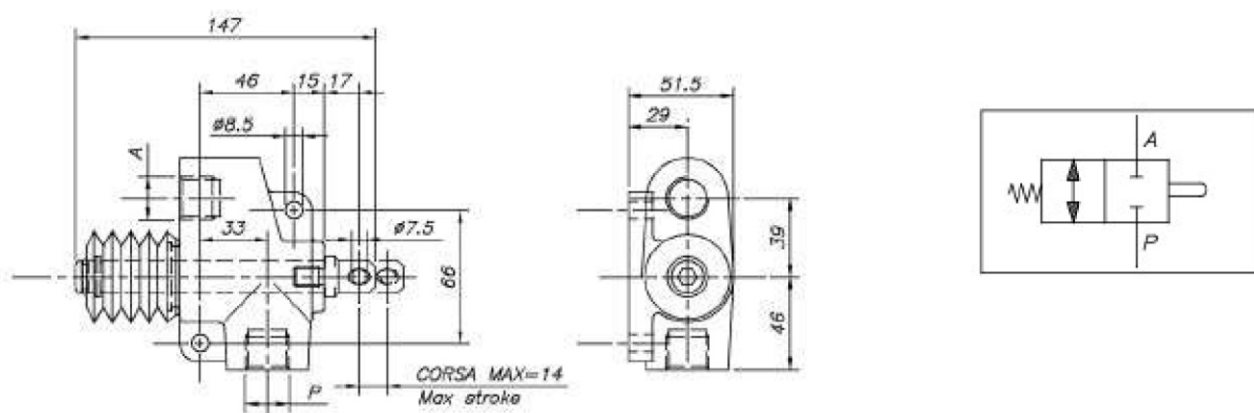


CODE	P - A	Pressure	Flow	Weight
VCF3/8TNAI	3/8" BSP	250 bar	60	1.7
VCF1/2TNAI	1/2" BSP	250 bar	80	1.7
VCF3/4TNAI	3/4" BSP	250 bar	100	1.6

END-OFF STROKE VALVE



Tipping valves, two position mechanically operated for tipper vehicle.



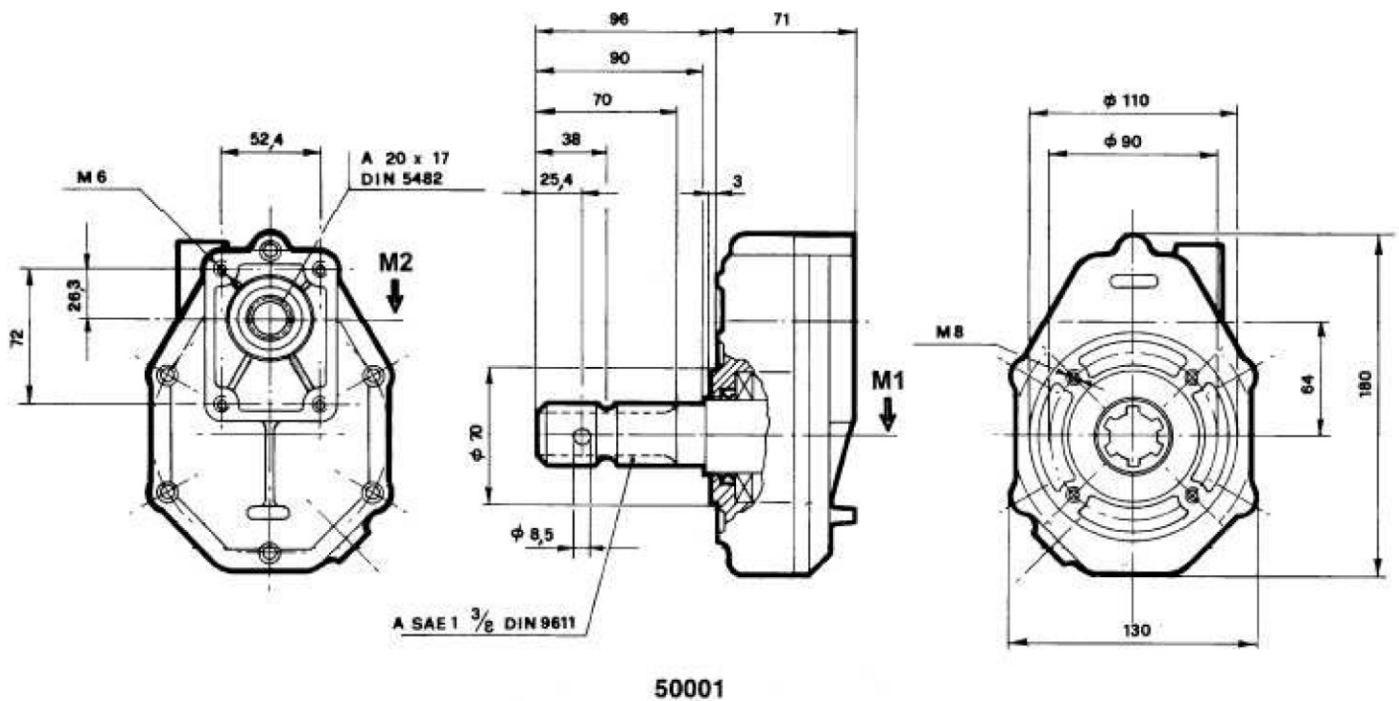
CODE	P - A	Pressure	Flow	Weight
VCF3/8TNC	3/8" BSP	250 bar	60	1.7
VCF1/2TNC	1/2" BSP	250 bar	80	1.7
VCF3/4TNC	3/4" BSP	250 bar	100	1.6

SPEED INCREASER

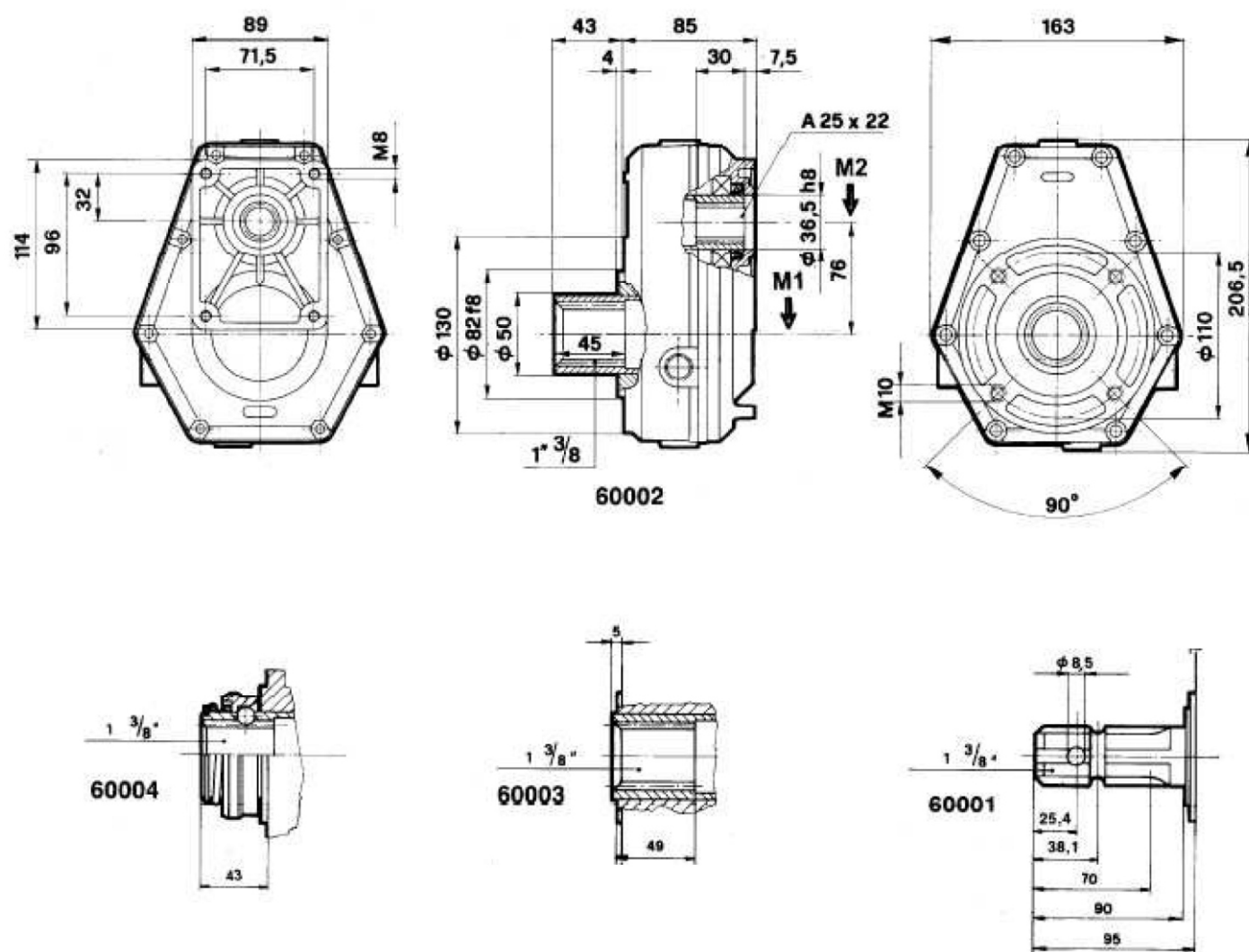
The over-gear are designed for connecting gear pump to farm tractor power take-offs. The speed of power take offs is 540 rpm witch can be compared with proper running speed of hydraulic gear pumps.



FOR GEAR PUMP GR.1



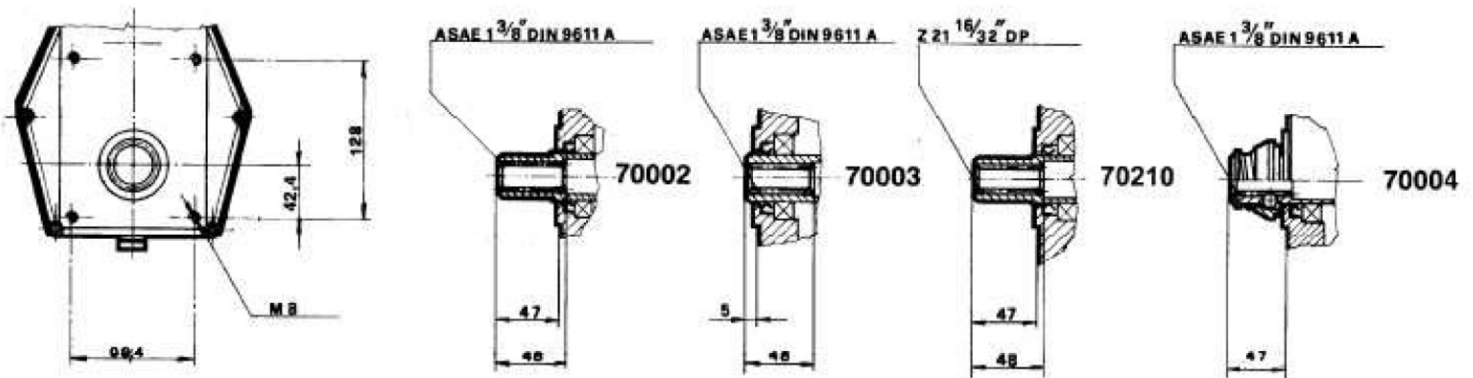
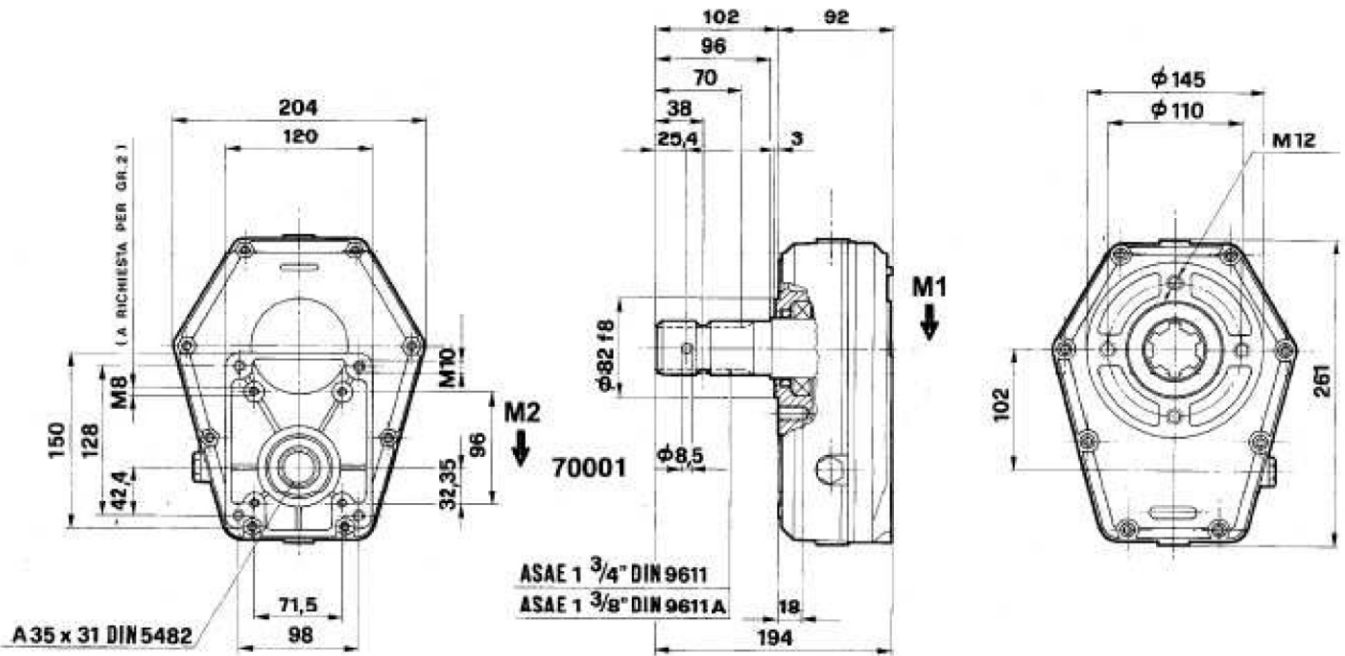
M1	M2	N.1 rpm	N.2 rpm	I N.1/N.2	POTENZA Kw	G Kg
10.6	3	540	1890	3.5	5	3
11.2	2.9	540	2052	3.8	5	3
8.5	2.1	540	2160	4	5	3

SPEED INCREASER**FOR GEAR PUMP GR.2**

M1	M2	N.1 rpm	N.2 rpm	I N.1/N.2	POTENZA Kw	G Kg
17.8	11.9	540	810	1.5	10	5.5
15.2	7.6	540	1080	2	10	5.5
16.5	6.6	540	1350	2.5	10	5.5
18	5.5	540	1680	3	10	5.5
18.6	5.8	540	1836	3.5	10	5.5
15.9	4.2	540	2052	3.8	10	5.5

SPEED INCREASER

FOR GEAR PUMP GR.3



M1	M2	N.1 rpm	N.2 rpm	I N.1/N.2	POTENZA Kw	G Kg
31	31	540	540	1	20	8.1
38	26	540	810	1.5	20	8.1
43	21	540	1080	2	20	8.1
46	18	540	1408	2.5	20	8.1
49	16	540	1620	3	20	8.1
46	13	540	1836	3.5	20	8.1
43.7	11.5	540	2057	3.8	20	8.1

SUPPORTS

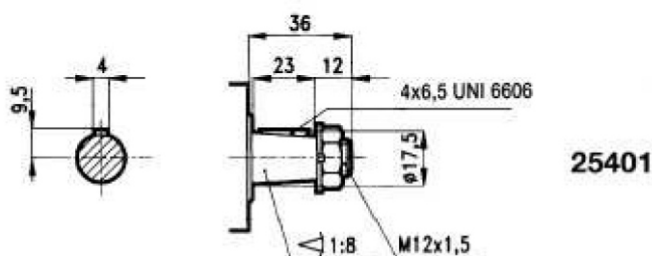
I supporti tiro-cinghia vengono utilizzati per trasmissioni indipendenti di pompe oleodinamiche tramite cinghie o catene in cui sono presenti forti carichi radiali. Essi vengono flangiati direttamente sulla pompa e l'accoppiamento viene fatto mediante semigiunto scanalato.

Designed for independent drives of hydraulic pumps via chain belts with high radial loads.

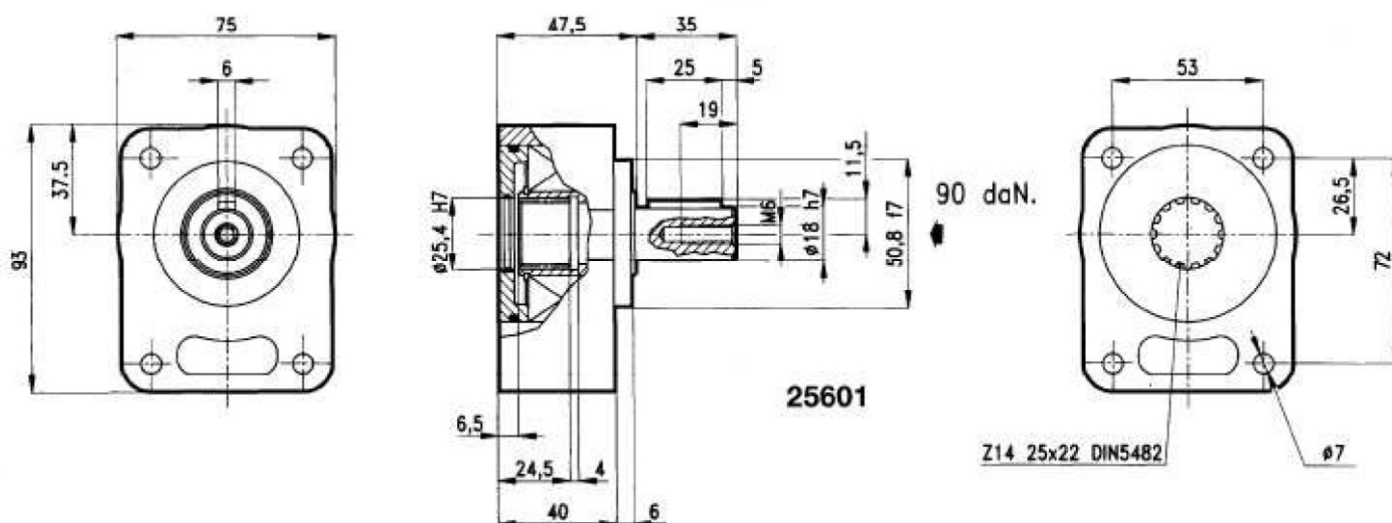
They are directly flanged on to the pump via splined half coupling. Their life is 3500 hours at 1500 rpm.



SUPPORT FOR GEAR PUMP GR.1

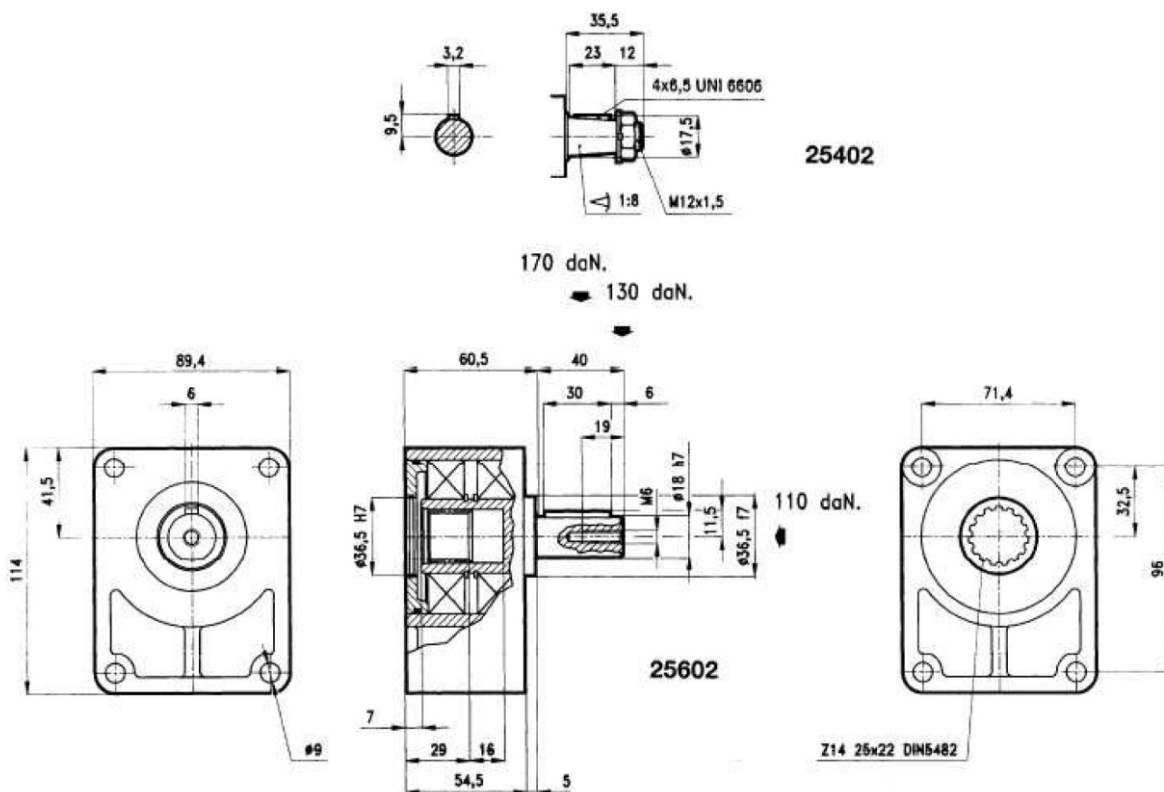


100 daN.
 75 daN.

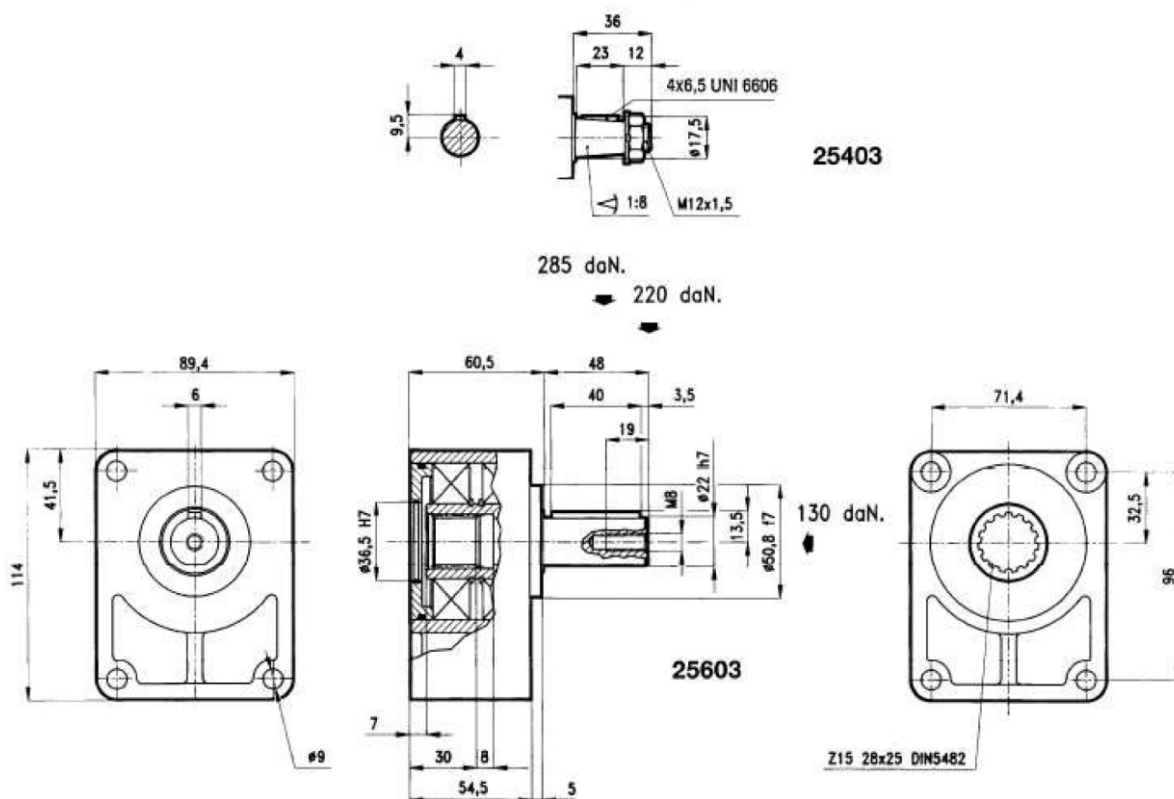


SUPPORTS

SUPPORT FOR GEAR PUMP GR.2

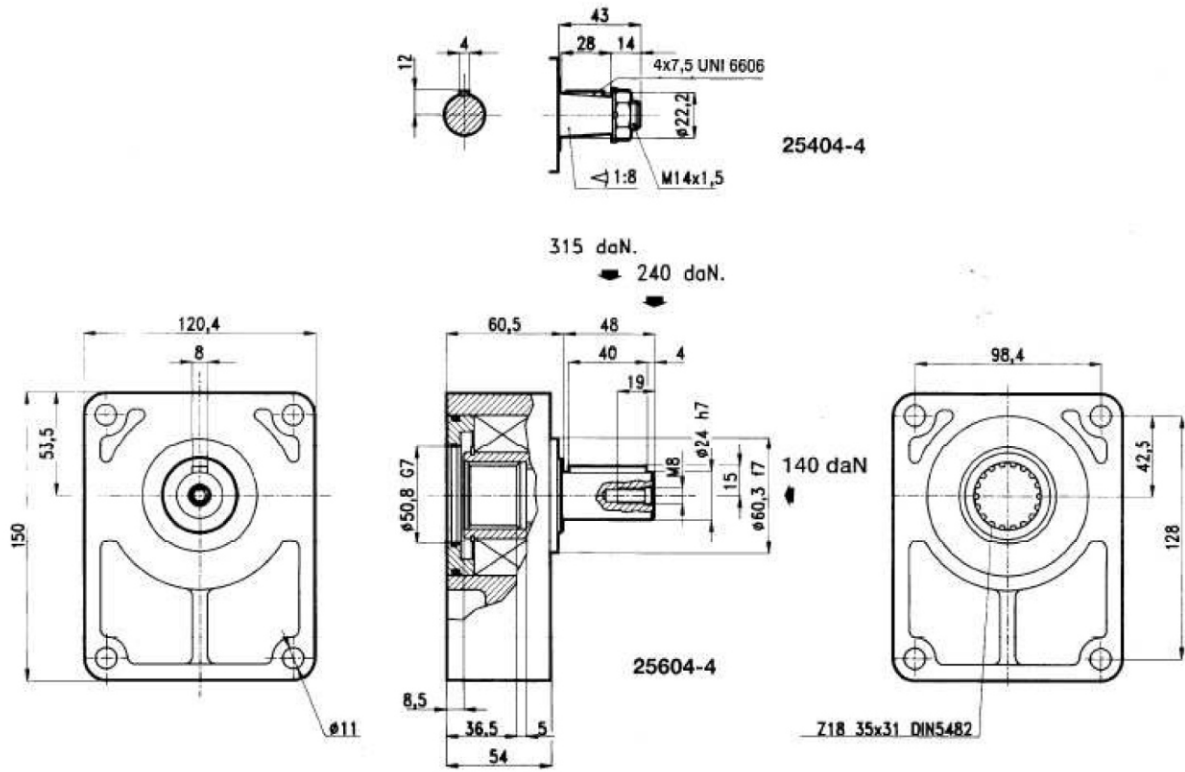


REINFORCED SUPPORT FOR GEAR PUMP GR.2

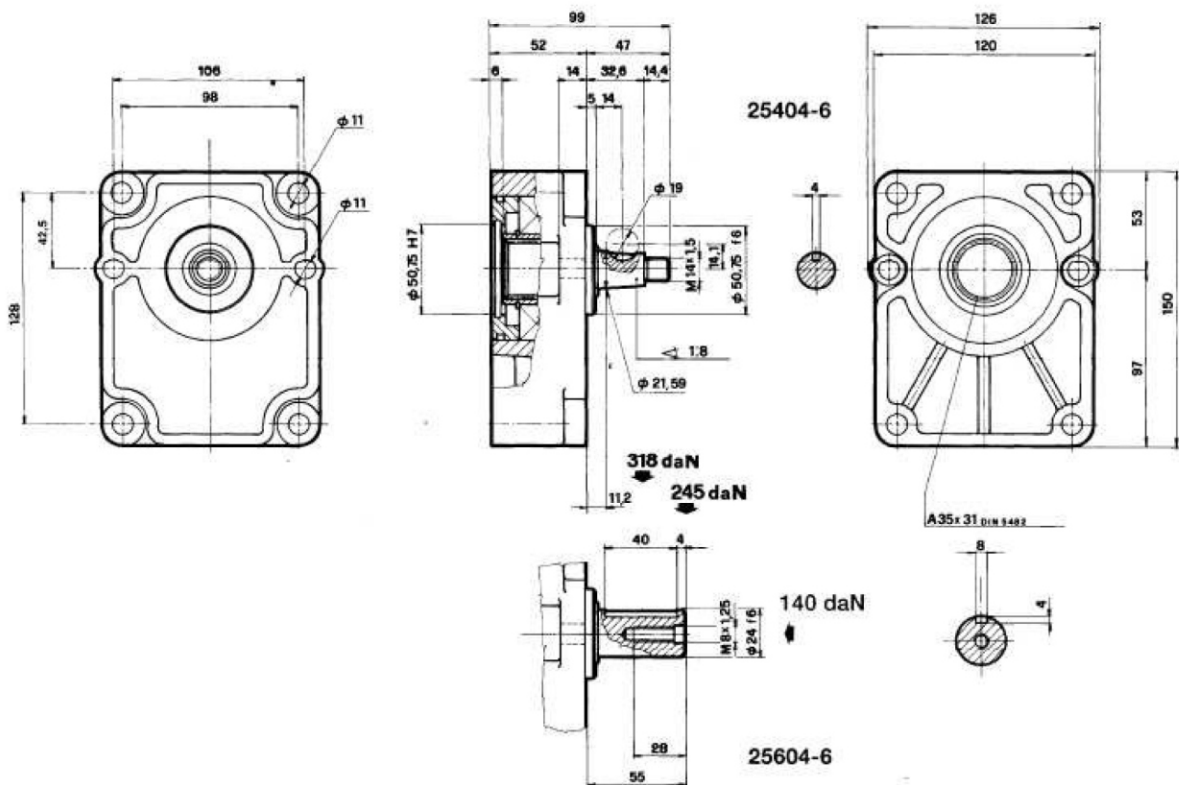


SUPPORTS

REINFORCED SUPPORT FOR GEAR PUMP GR.3

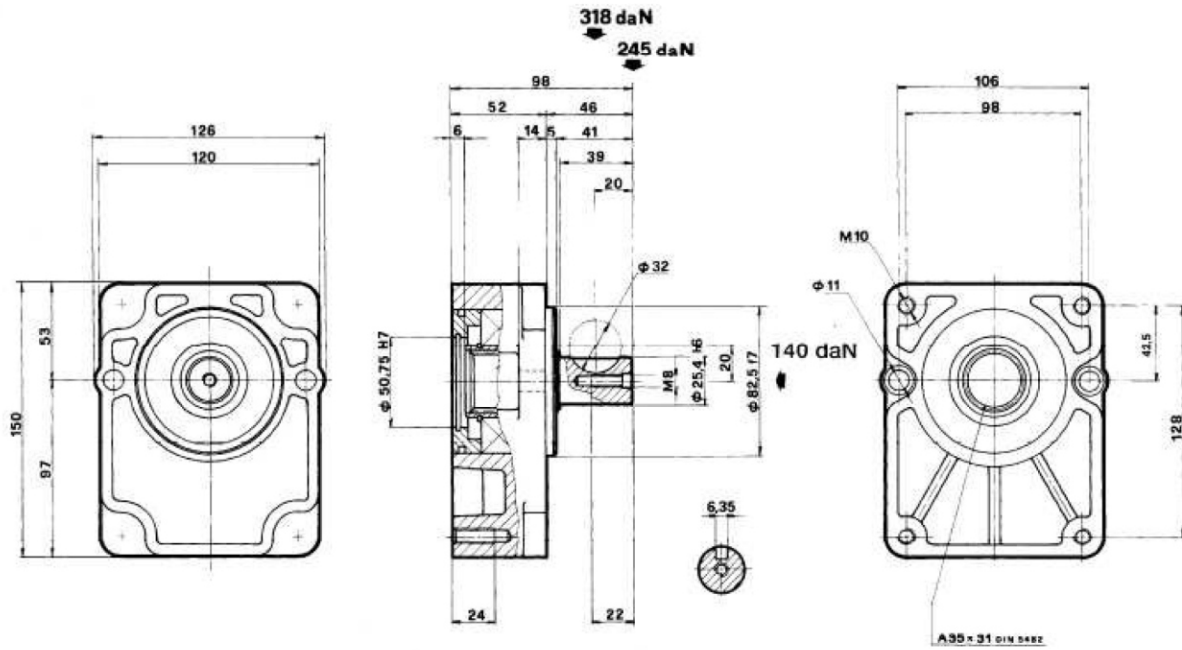


SUPPORT FOR GEAR PUMP GR.3

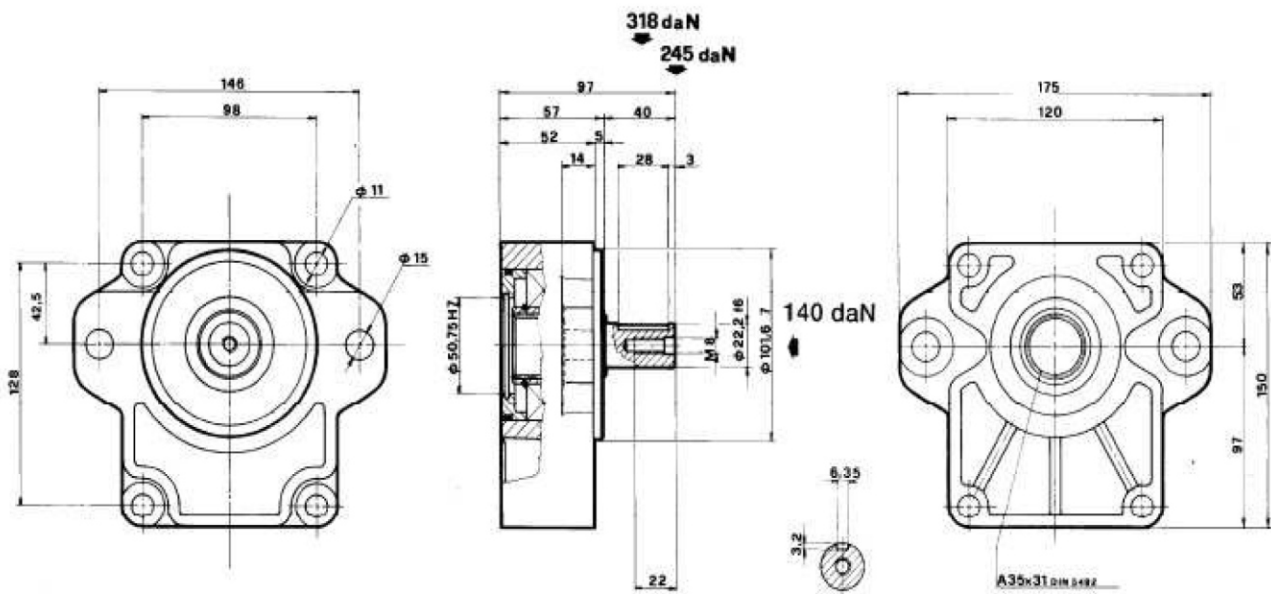


SUPPORTS

SUPPORT FOR SAE GEAR PUMP GR.3



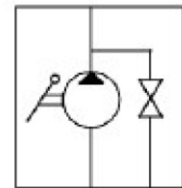
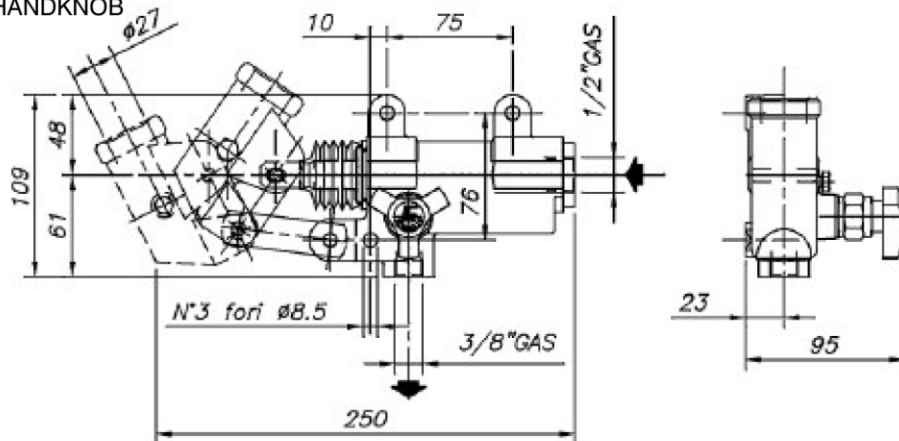
SUPPORT FOR GEAR PUMP GR.3 WITH SAE "B" FLANGE



HAND PUMPS**HP 20 S**

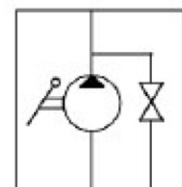
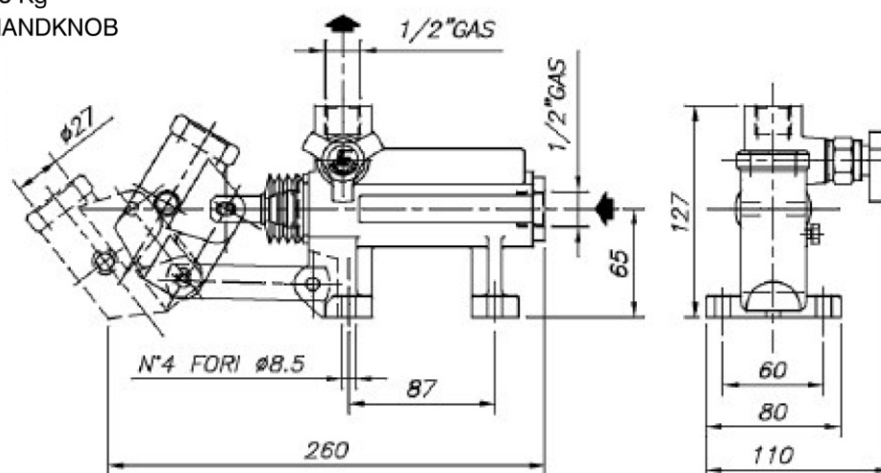
Double acting function for a single acting cilinder.

- FLOW: 20 cc
- WORKING PRESSURE: 280 bar
- MAX PRESSURE: 350 bar
- WEIGHT: 2.8 Kg
- RELEASE HANDKNOB

**HP 50 S**

Double acting function for a single acting cilinder.

- FLOW: 43 cc
- WORKING PRESSURE: 280 bar
- MAX PRESSURE: 350 bar
- WEIGHT: 2.8 Kg
- RELEASE HANDKNOB



HAND PUMPS

HP 20 S

Double acting function for a double acting cilinder.

- FLOW: 20 cc
- WORKING PRESSURE: 280 bar
- MAX PRESSURE: 350 bar
- WEIGHT: 2.8 Kg
- RELEASE HANDKNOB

