

PREDISPOSIZIONI ATTACCO MOTORE  
 INPUT MOTOR ADJUSTMENTS  
 ELEKTROMORANBAU VORBEREITUNG



	<b>EU</b>	<b>D2</b>
	<b>IEC</b>	<b>D4</b>
	<b>Z.</b> <b>Z1.</b> <b>Z2.</b>	<b>D6</b>
	<b>I</b> <b>CB</b> <b>DB</b> <b>BA</b> <b>CA</b> <b>DA</b> <b>EA</b>	<b>D8</b>
	<b>I</b> <b>FB</b> <b>HB</b> <b>FA</b> <b>GAB</b> <b>GC</b> <b>HA</b>	<b>D10</b>
	<b>I</b> <b>JA</b> <b>KB</b> <b>LA</b> <b>LB</b>	<b>D12</b>
	<b>I</b> <b>NA</b> <b>OA</b> <b>PA</b>	<b>D14</b>
	<b>ECE</b>	<b>D18</b>
	<b>ECR</b>	<b>D20</b>
	<b>EX.</b>	<b>D29</b>

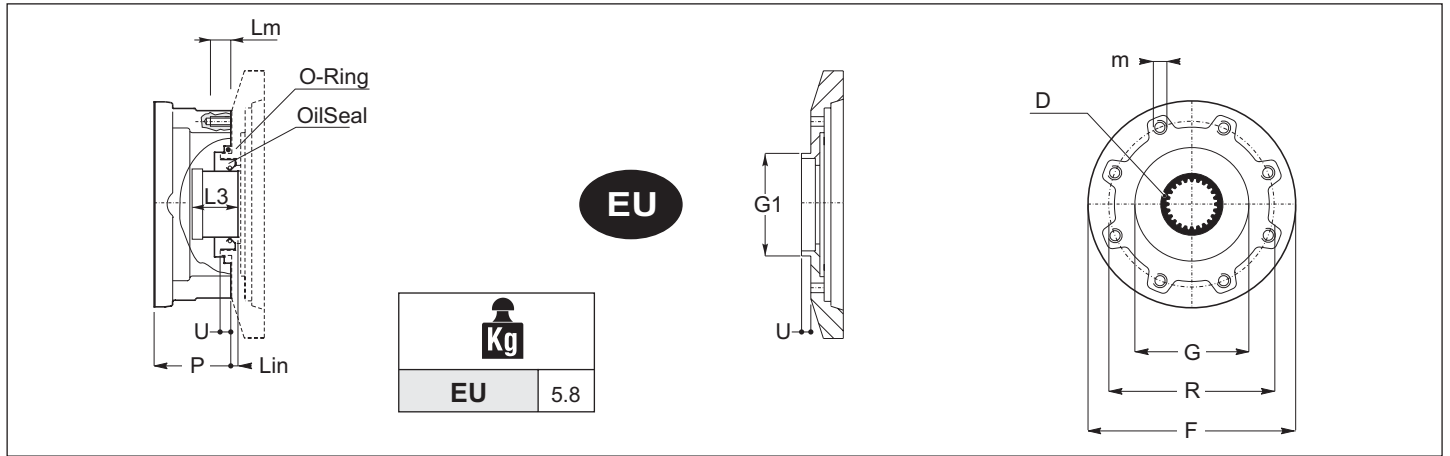
**D**



1.0 EU

1.0 EU

1.0 EU



EU	EX1			EX2 EXB2			EX3 EXB3			EX4 EXB4		
	10	101			102			103			104	
20	201			202		EXB	203			204		
25	251			252		EXB	253			254		
30	301			302			303			304		
40			EX	402		-	403			404		
50	501			502			503			504		
70	701			702		EXB	703			704		
80		801		802			803			804		
90				902		- EX	903		EXB	904		
100		1001		1002		EXB	1003			1004		
150				1502			1503			1504		EX EXB
180				1802			1803			1804		
200				2002			2003			2004		
250						2502		2503		2504		
280						2802		2803		2804		
300						3002		3003		3004		
350						3502		3503		3504		
420								4203		4204		
650									6503		6504	
850									8503		8504	
1200									12003		12004	

	D	F	R	G	U <sub>max</sub>	L <sub>IN</sub>	L3	m	L <sub>m</sub>	O <sub>Ring</sub>	OilSeal	P												
	DIN 5482		+/- 0,1	H7 g6																				
EU	50 x 45	186 244 295		95	6	4	38	M10	20	94.92 x 2.62	60x80 7.5	67	75	83	67	75	83	67	75	83	67	75		

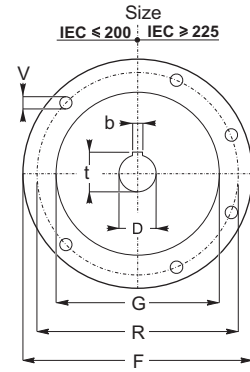
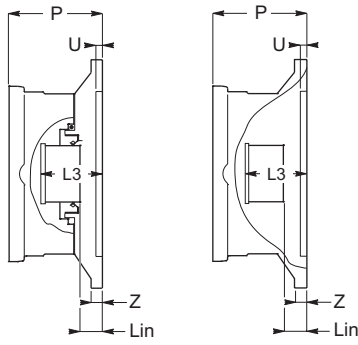
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2.0 IEC

2.0 IEC

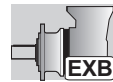
2.0 IEC



Kg	
71-80-90	8
100-112	10
132	12
160-180	19
200	25
225	30
250-280	51

IEC	EX1	EX2	EX3	EX4
10	101	102	103	104
20	201	202	203	204
25	251	252	253	254
30	301	302	303	304
40		402	403	404
50	501	502	503	504
70	701	702	703	704
80	801	802	803	804
90		902	903	904
100	1001	1002	1003	1004
150		1501	1502	1503
180		1802	1803	1804
200		2001	2002	2003
250			2502	2503
280			2802	2803
300			3002	3003
350			3502	3503
420			4202	4203
650				6503
850				8503
1200				12003

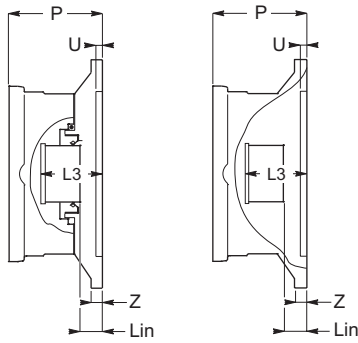
	D	F	R	G	U	V	Z	L <sub>IN</sub>	L <sub>3</sub>	b	t	P											
	F7		+/-0,1	F8 G6						H7	+0,1 +0,2	EX1			EX2			EX3			EX4		
63	11	140	115	95	10	M8	16	5,5	25	4	12,8	83	91	99	83	91	99	83	91	99	83	91	
71	14	160	130	110	10	M8	16	5,5	32	5	16,3	83	91	99	83	91	99	83	91	99	83	91	
80	19	200	165	130	5	M10	14	5,5	52	6	21,8	83	91	99	83	91	99	83	91	99	83	91	
90	24	200	165	130	5	M10	14	5,5	52	8	27,3	83	91	99	83	91	99	83	91	99	83	91	
100	28	250	215	180	5	M12	14	10,5	61	8	31,3	91	99	107	91	99	107	91	99	107	91	99	
112	28	250	215	180	5	M12	14	10,5	61	8	31,3	91	99	107	91	99	107	91	99	107	91	99	
132	38	300	265	230	5	M12	14	10,5	82	10	41,3	112	120	128	112	120	128	112	120	128	112	120	
160	42	350	300	250	6	M16	18	8,5	111	12	45,3	146		167	146		167	146		167	146		
180	48	350	300	250	6	M16	18	8,5	111	14	51,8	146		167	146		167	146		167	146		
160	42	350	300	250	6	M16	18	24,5	111	12	45,3		170			170			170			170	
180	48	350	300	250	6	M16	18	24,5	111	14	51,8		170			170			170			170	
200	55	400	350	300	6	M16	22	8,5	111	16	59,3		154	165	175	154	165	175	154	165		154	
225	60	450	400	350	6	M16	20	8,5	143	18	64,4		189	188,5	205	189	188,5	205	189	188,5		189	
250	65	550	500	450	6	M16	21	8,5	145	18	69,4			188,5	205		188,5	205		188,5		188,5	
280	75	550	500	450	6	M16	21	8,5	145	20	79,9			188,5	205		188,5	205		188,5		188,5	



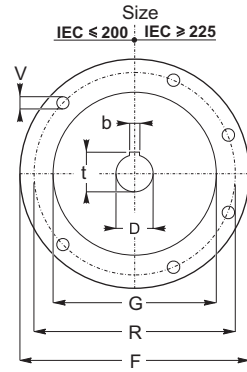
2.0 IEC

2.0 IEC

2.0 IEC



IEC



Kg	
71-80-90	8
100-112	10
132	12
160-180	19
200	25
225	30
250-280	51

IEC	EXB2	EXB3	EXB4
	10	102	103
20	202	203	204
25	252	253	254
30	302	303	304
40	-	403	404
50	502	503	504
70	702	703	704
80	802	803	804
90	-	903	904
100	1002	1003	1004
150	-	1503	1504
180	-	1803	1804
200	-	2003	2004
250	-	2503	2504
280	-	2803	2804
300	-	3003	3004
350	-	3503	3504
420	-	-	4204
650	-	-	6504
850	-	-	8504
1200	-	-	12004

	D	F	R	G	U	V	Z	L <sub>IN</sub>	L <sub>3</sub>	b	t	P
	F7		+/-0,1	F8 G6						H7	+0,1 +0,2	
63	11	140	115	95	10	M8	16	5,5	25	4	12,8	
71	14	160	130	110	10	M8	16	5,5	32	5	16,3	
80	19	200	165	130	5	M10	14	5,5	52	6	21,8	
90	24	200	165	130	5	M10	14	5,5	52	8	27,3	
100	28	250	215	180	5	M12	14	10,5	61	8	31,3	
112	28	250	215	180	5	M12	14	10,5	61	8	31,3	
132	38	300	265	230	5	M12	14	10,5	82	10	41,3	
160	42	350	300	250	6	M16	18	8,5	111	12	45,3	
180	48	350	300	250	6	M16	18	8,5	111	14	51,8	
160	42	350	300	250	6	M16	18	24,5	111	12	45,3	
180	48	350	300	250	6	M16	18	24,5	111	14	51,8	
200	55	400	350	300	6	M16	22	8,5	111	16	59,3	
225	60	450	400	350	6	M16	20	8,5	143	18	64,4	
250	65	550	500	450	6	M16	21	8,5	145	18	69,4	
280	75	550	500	450	6	M16	21	8,5	145	20	79,9	

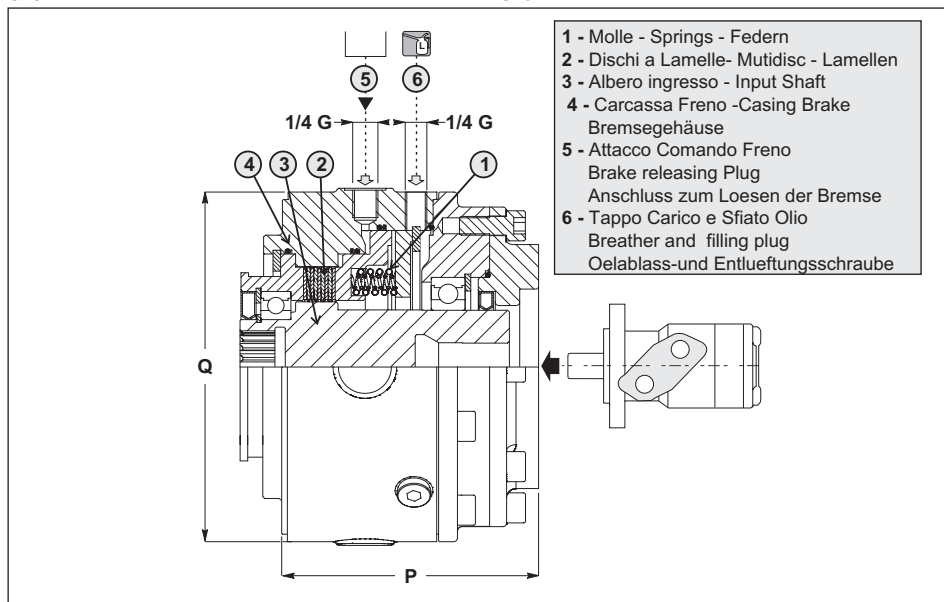
D



3.0 Z.

3.0 Z.

3.0 Z.



- 1 - Molle - Springs - Federn
- 2 - Dischi a Lamelle- Mutidisc - Lamellen
- 3 - Albero ingresso - Input Shaft
- 4 - Carcassa Freno -Casing Brake  
Bremsengehäuse
- 5 - Attacco Comando Freno  
Brake releasing Plug  
Anschluss zum Loesen der Bremse
- 6 - Tappo Carico e Sfiato Olio  
Breather and filling plug  
Oelablass-und Entluftungsschraube

**1 - Campo applicazione**

Il freno è da impiegare solo come freno di stazionamento e non per effettuare frenature dinamiche.

**2 - Principio funzionamento freno**

Il funzionamento del freno è di tipo negativo con le seguenti modalità operative:

**2.1 - Condizione 1 - Pressione  $P_{INF} = 0$**

Le molle (particolare 1) esercitano una spinta sulle coppie di dischi a lamelle (componente 2). Alcuni dischi sono solidali con elemento mobile (componente 3) e dischi solidali con elemento fisso (componente 4).

In questa condizione operativa si genera sul manico riduttore (componente 3) una coppia  $T_{RF}$  con livello di accuratezza del valore di  $\pm 10\%$ .

**2.2 - Condizione 2 - Pressione  $P_{INF} = P_{Af}$**

Qualora attraverso l'attacco comando freno (componente 5), si immetta una pressione  $P_{INF}$  uguale alla pressione di apertura  $P_{Af}$  il valore della coppia resistente  $T_{RF}$  è uguale a zero consentendo la libera rotazione del manico del riduttore.

**2.3 - Condizione 3 - Contropressione presente nell'impianto idraulico  $P_c \neq 0$ .**

Tali prestazioni ( $T_{RF}$ ) sono sempre calcolate con contropressione uguale a zero. In caso contrario la coppia frenante è percentualmente ridotta nel rapporto contropressione/Pressione apertura freno.

**3 - Lubrificazione**

Il freno ha la lubrificazione separata da quella del riduttore epicicloidale. Pertanto si dovrà provvedere al riempimento del freno con olio idraulico di viscosità ISO VG32, utilizzando lo specifico tappo di riempimento.

**Ricordiamo che alte velocità di rotazione, oppure prolungati funzionamenti con asse verticale, possono generare elevati aumenti di temperatura: in questi casi consultare il Servizio Tecnico Commerciale STM.**

**1 - Application field**

The brake can be used only as stationary brake. It is not possible to utilize the brake for dynamic use.

**2 - How it works**

The brake works as a negative brake, with the following modalities:

**2.1 - option -  $P_{INF} = 0$**

The coil springs (see item 1) are pressing together on rotating discs. some disks are running together with mobile elements (see item 3) and some other disks are fixed (see item 4)

In this working condition there is a resistant torque in the sleeve coupling of the gearbox (see item 3); the value of torque is  $T_{RF} \pm 10\%$ .

**2.2 - option - Pressure  $P_{INF} = P_{Af}$**

When from the motor brake connection (item 5) you introduce a pressure  $P_{INF}$  equal or same opening pressure  $P_{Af}$ , the resistant torque value  $T_{RF}$  is equal to zero, in letting free the input pressure, from the Hydraulic plan.

**2.3 - option - Backpressure in hydraulic plant  $P_c \neq 0$**

These performances ( $T_{RF}$ ) are always calculated without back pressure. Otherwise the braking torque is reduced as a percentage of the ratio back pressure/Brake release pressure.

**3 - Lubrication**

The brake has separated lubrication from the planetary gearbox. For this reason we have to fill the brake with Hydraulic oil viscosity ISO VG32. For such operation it must be used the specific filling plug.

**We remind you that high rotation speed, or extendent running with vertical axis, can generate considerable temperature increases: in such cases please apply STM technical staff for advice.**

$P_{INF}$ =Pressione ingresso-impianto idraulico/Input pressure – hydraulic plant/Eingangsdruck Hydraulische Anlage

$P_{Af}$ =Pressione apertura freno/Brake release pressure/Bremsöffnungsdruck

$P_c$ = Contropressione nell'impianto idraulico/Backpressure in hydraulic plant / Gegendruck in der hydraulischen Anlage

$P_{max}$ =Pressione max./max. pressure/Höchstdruck

$T_{RF}$ = Coppia media Statica/ Medium static torque/ Mittleres Stützmoment

**1 - Anwendungsgebiet**

Die Bremsen können nur als Feststellbremsen benutzt und dienen nicht zum dynamischen Abbremsen.

**2 - Funktionsbeschreibung der Bremse**

Die Bremsen haben eine „negative“ Funktion bei den folgenden Betriebsarten:

**2.1 - Punkt 2.1 - Druck  $P_{INF} = 0$**

Die Bremsen wirken unter dem Druck einer Reihe von Federn (Element 1) auf abwechselnd fixe (Element 4) und bewegliche (Element 3) Scheibenpaare (Element 2).

Der Betrieb in diesem Zustand erzeugt einen Drehmomentwiderstand an der Getriebemuffe (Element 3) mit einem Drehmoment  $T_{RF}$  bei einer Genauigkeitsmarge von  $\pm 10\%$ .

**2.2 - Punkt -  $P_{INF} = P_{Af}$**

Für den Fall, dass man eine Bremsbetätigung (Bestandteil 5) mit einem Druck  $P_{INF}$  eingibt die genau dem Öffnungsdruck  $P_{Af}$  entspricht, ist der Wert des Widerstandsmomentes  $T_{RF}$  gleich null und ermöglicht dadurch die freie Rotation der Getriebebuchse.

**2.3 - Punkt - Gegendruck in der hydraulischen Anlage  $P_c \neq 0$ .**

Diese Leistungen ( $T_{RF}$ ) werden mit einem Gegendruck von 0 berechnet. Anderenfalls wird da Bremsmoment prozentual im Verhältnis Gegendruck/Bremsöffnungsdruck reduziert.

**3 - Schmierung**

Die Bremse hat eine separate Schmierung, die von dem Planetengetriebe getrennt ist. Deshalb ist beim Befüllen darauf zu achten, dass nur Hydrauliköle gemäß ISO VG32 unter Verwendung des hierfür bestimmten Einfüllstutzens eingefüllt werden.

Hohe Drehzahlen oder lange Betriebszeiten mit vertikaler Achse können zu starken Temperaturerhöhungen führen: In diesem Fall wenden Sie sich bitte an den technischen Kundendienst der STM.

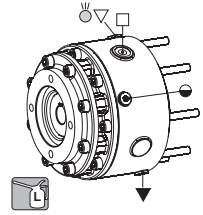


3.0 Z.

3.0 Z.

3.0 Z.

Z1	Q	T <sub>RF</sub> [Nm]	P <sub>Af</sub> [bar]	P <sub>max</sub> [bar]				
Z1A	186	90	8.5	310	0.15	0.30		26
Z1B	186	140	13.0					
Z1C	186	240	11.0					
Z1D	186	300	15.0					
Z1E	186	430	20.0					
Z1F	186	550	25.0					



- ▽ Carico / Breather plug / Einfüll-u. Entlüftungsschraube
- Livello / Level plug / Schauglas
- ▼ Scarico / Drain plug / Ablassschraube
- ⊙ Sfiato / Vent pung / Entlüftungsstopfen

10	101			102		103	104
20	201			202	EXB	203	204
25	251			252		253	254
30		301		302		303	304
40				402	-	403	404
50	501		EX	502		503	504
70	701			702	EXB	703	704
80		801		802		803	804
90				902	- EX	903	EXB EX
100		1001		1002	EXB	1003	1004
150				1502		1503	1504
180				1802		1803	1804
200				2002		2003	2004
250					2502	2503	2504
280					2802	2803	2804
300					3002	3003	3004
350					3502	3503	3504
420						4203	4204
650							6504
850							8504
1200							12004



	F	R	G	U	V	Z	L <sub>IN</sub>	L3	b	t	P										
CA 04											166	174		166	174		166	174		166	174
CA 09											166	174		166	174		166	174		166	174
CB 07											178	186		178	186		178	186		178	186
DA 11											160	168		160	168		160	168		160	168
DB 22											180	188		180	188		180	188		180	188
FA 13											186	194		186	194		186	194		186	194
FA 22											186	194		186	194		186	194		186	194
FA 23											186	194		186	194		186	194		186	194
FA 24											186	194		186	194		186	194		186	194
FA 28											186	194		186	194		186	194		186	194
FB 08											226	234		226	234		226	234		226	234
PA 29											168	176		168	176		168	176		168	176

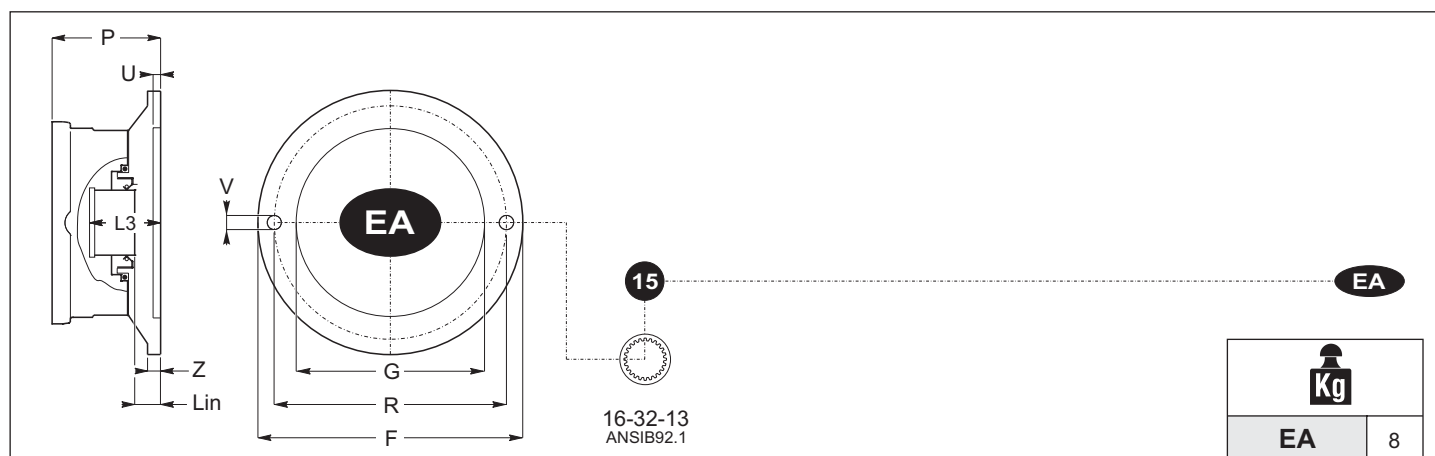
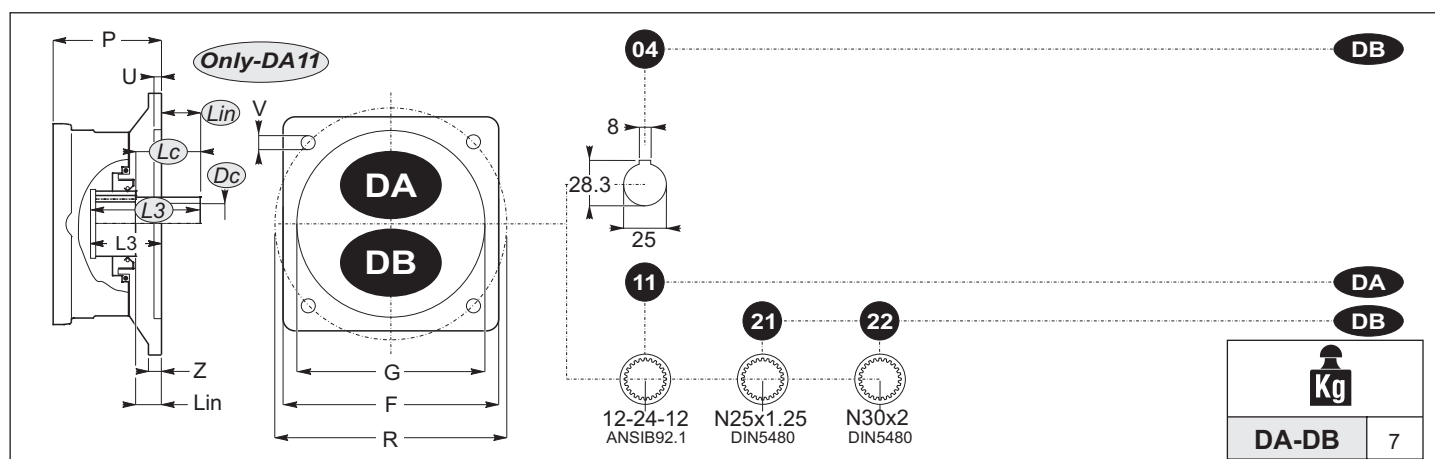
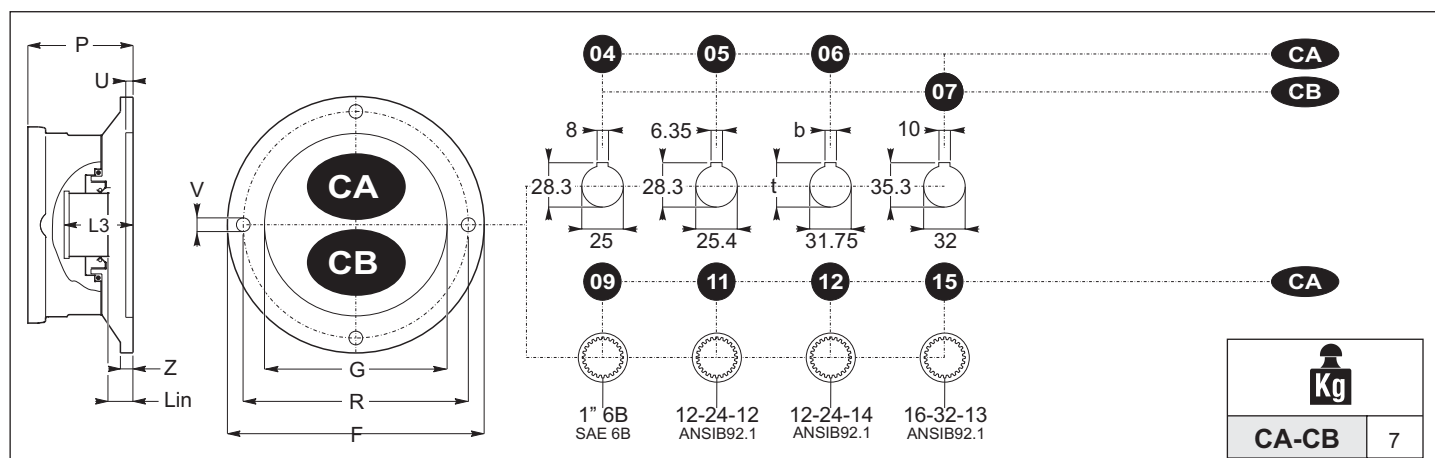
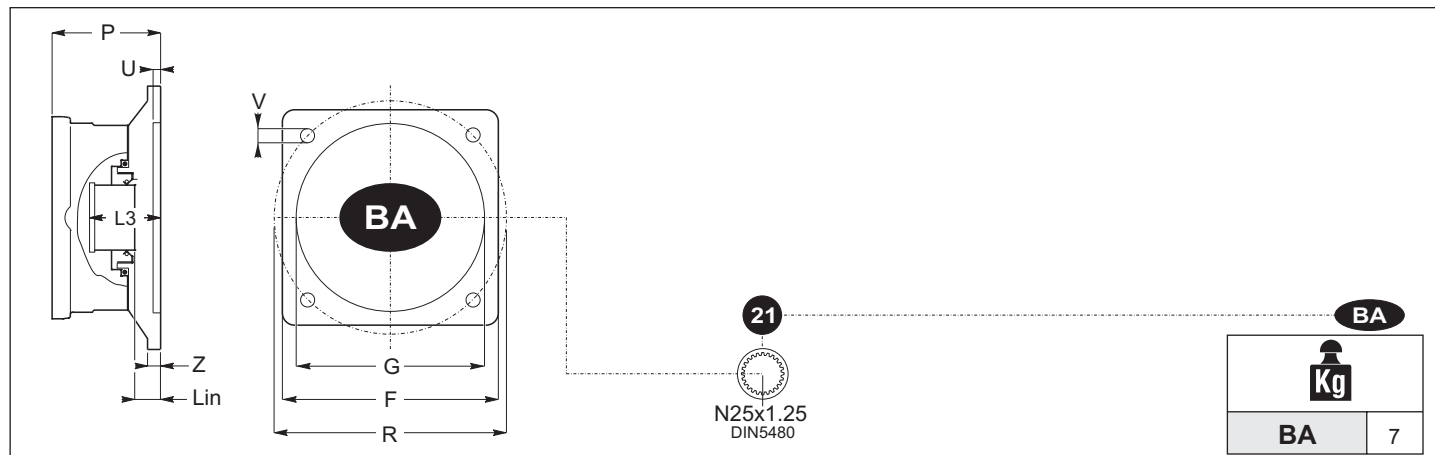




4.0 BA - CA - CB - DA - DB - EA

4.0 BA - CA - CB - DA - DB - EA

4.0 BA - CA - CB - DA - DB - EA







4.0 CA - CB - DA - DB - EA

4.0 CA - CB - DA - DB - EA

4.0 CA - CB - DA - DB - EA

BA	CA	CB	DA	DB	EA	EX1	EX2	EXB2	EX3	EXB3	EX4	EXB4	
10						101			102		103		104
20						201			202	EXB	203		204
25						251			252		253		254
30						301	EX		302		303		304
40									402	-	403		404
50						501			502	EXB	503		504
70						701			702	EXB	703		704
80							801		802		803		804
90									902	-	903	EXB	904
100						1001			1002	EX	1003		1004
150									1502		1503	EX	1504
180									1802		1803		1804
200									2002		2003		2004
250									2502		2503		2504
280									2802		2803		2804
300									3002		3003		3004
350									3502		3503		3504
420											4203		4204
650											6503		6504
850											8503		8504
1200											12003		12004

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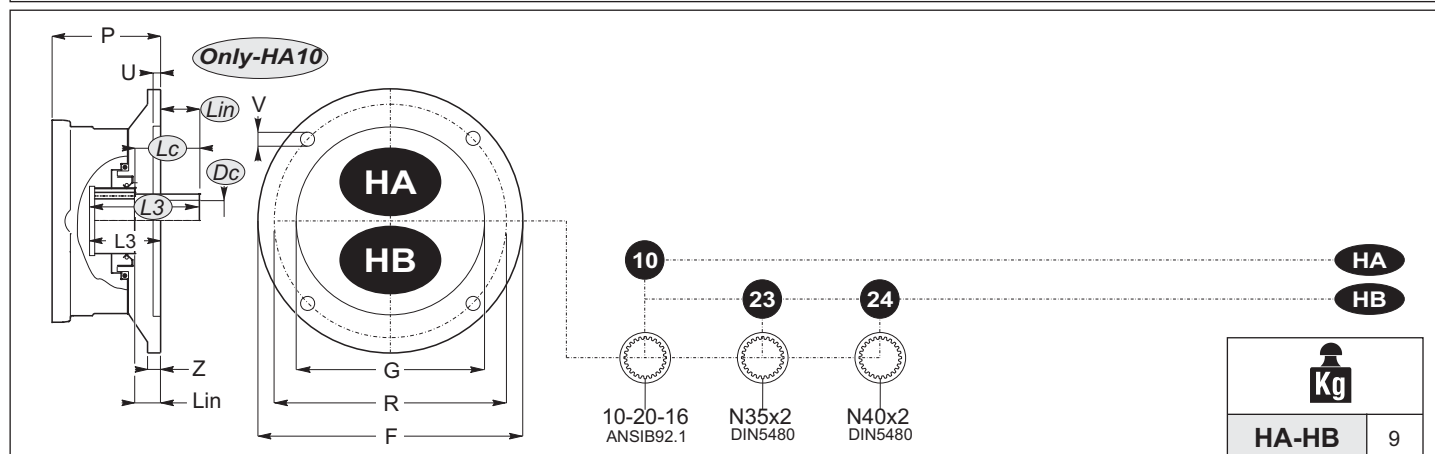
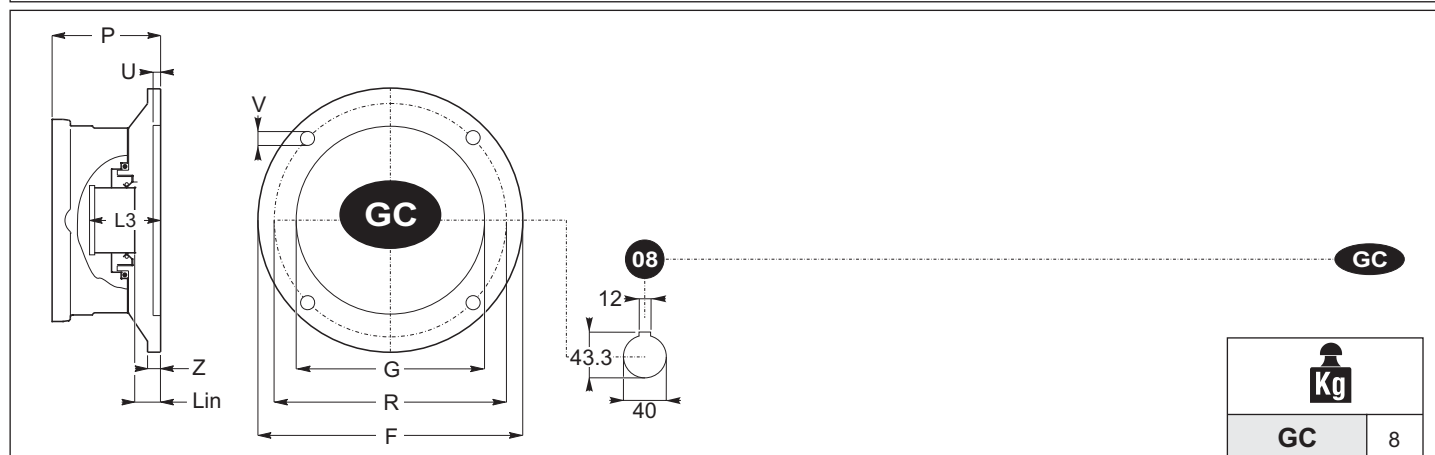
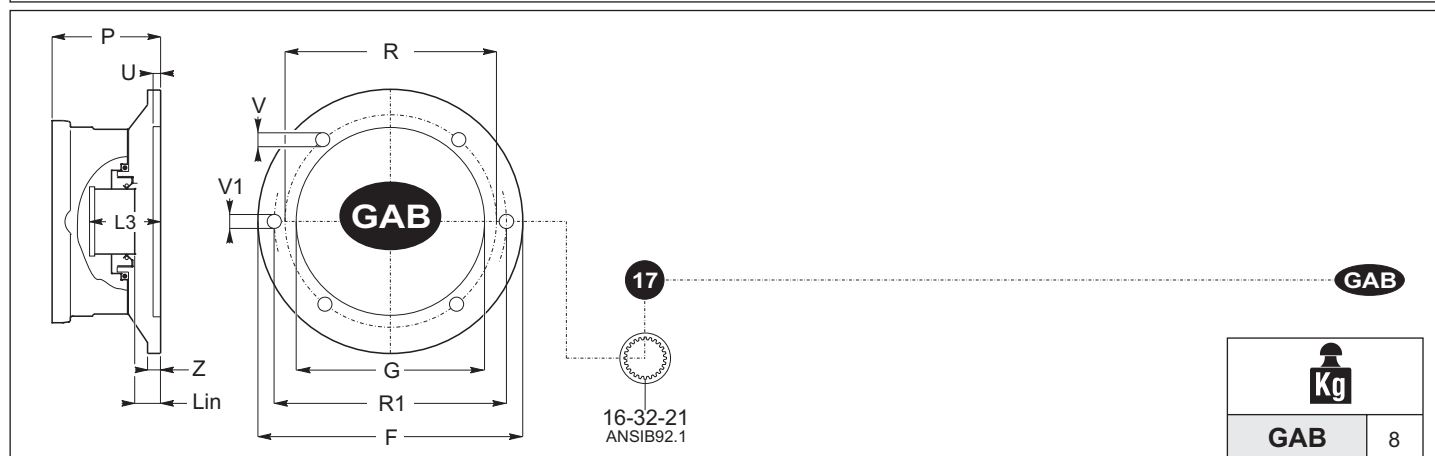
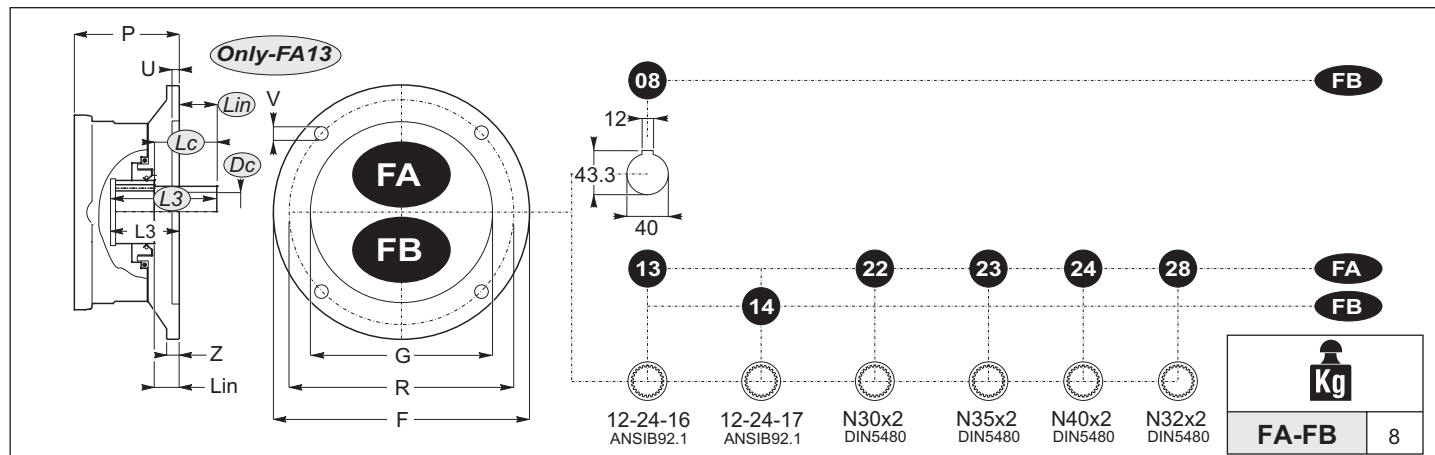
	F	R	G	U	V	Z	D <sub>C</sub>	L <sub>C</sub>	L <sub>IN</sub>	L <sub>3</sub>	b	t	P															
		+/- 0,1	F8				+/- 0,5				H7	+0,2																
<b>BA 21</b>	95	100	80	8	M8	16			22,5	58			93	101	109		93	101	109		93	101	109		93	101		
<b>CA 04</b>	130	106,4	82,6	10	M12	17			15,5	58	8	28,3	93	101	109		93	101	109		93	101	109		93	101		
<b>CA 05</b>	130	106,4	82,6	10	M12	17			15,5	58	6,35	28,3	93	101	109		93	101	109		93	101	109		93	101		
<b>CA 06</b>	130	106,4	82,6	10	M12	17				58			93	101	109		93	101	109		93	101	109		93	101		
<b>CA 09</b>	130	106,4	82,6	10	M12	17	-		20,5	58			93	101	109		93	101	109		93	101	109		93	101		
<b>CA 11</b>	130	106,4	82,6	10	M12	17			13	56			93	101	109		93	101	109		93	101	109		93	101		
<b>CA 12</b>	130	106,4	82,6	10	M12	17			13	56			93	101	109		93	101	109		93	101	109		93	101		
<b>CA 15</b>	130	106,4	82,6	10	M12	17			13	58			93	101	109		93	101	109		93	101	109		93	101		
<b>CB 07</b>	130	106,4	82,6	22	M12	29			17,5	74	10	35,3	105	113	121		105	113	121		105	113	121		105	113		
<b>DB 04</b>	118	125	100	10	M10	30	-		29	73	8	28,3	107	115	123		107	115	123		117	115	123		107	115		
<b>DA 11</b>	118	125	100	8	M10	11	29	32	25	52			87	95	103		87	95	103		87	95	103		87	95		
<b>DB 21</b>	118	125	100	10	M10	30			36	73			107	115	123		107	115	123		117	115	123		107	115		
<b>DB 22</b>	118	125	100	10	M10	30			27	68			107	115	123		107	115	123		117	115	123		107	115		
<b>EA 15</b>	170	146	101,6	10	M14	23	-		10	56			90,0	98	106		90	98	106		90	98	106		90	98		



4.0 FA-FB-GAB-GC-HA-HB

4.0 FA-FB-GAB-GC-HA-HB

4.0 FA-FB-GAB-GC-HA-HB







4.0 JA-KB-LA-LB

4.0 JA-KB-LA-LB

4.0 JA-KB-LA-LB

<b>Kg</b>	
JA	10

<b>Kg</b>	
KB	9

<b>Kg</b>	
LA	10

<b>Kg</b>	
LB	10

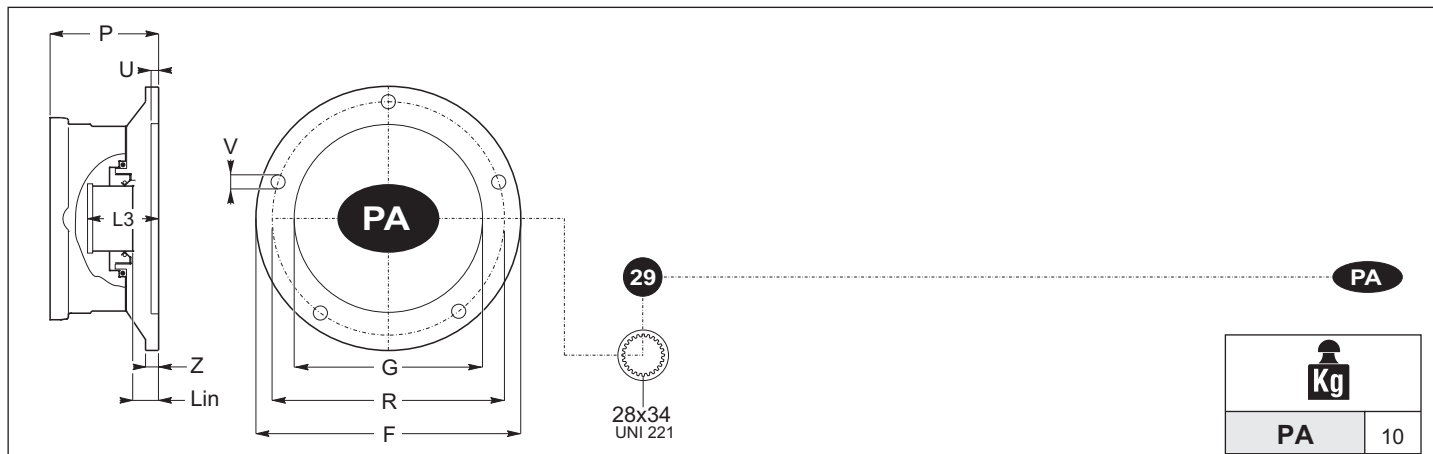
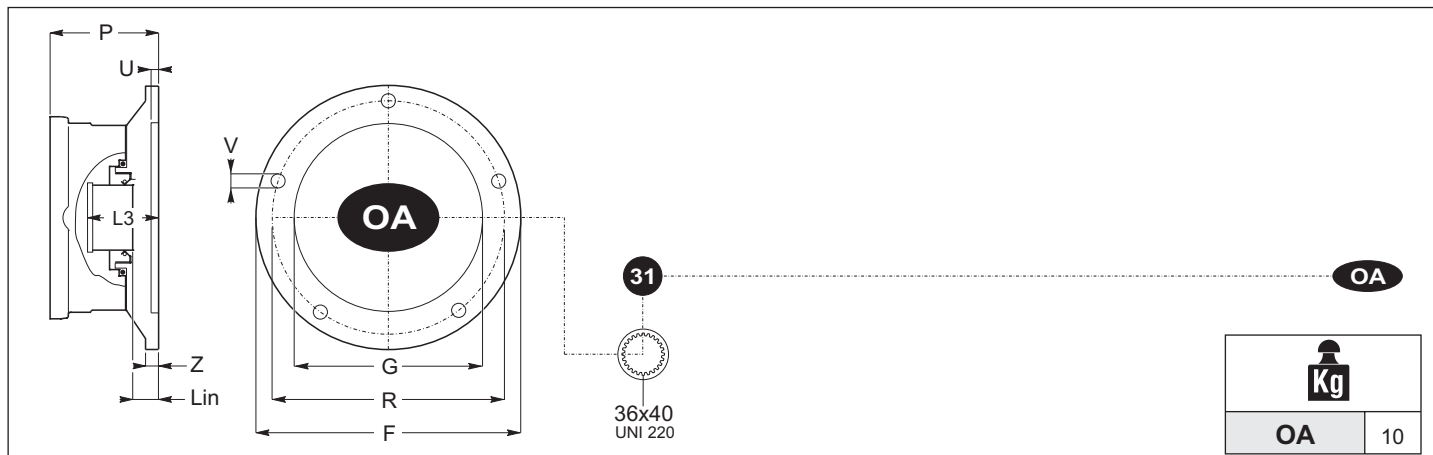
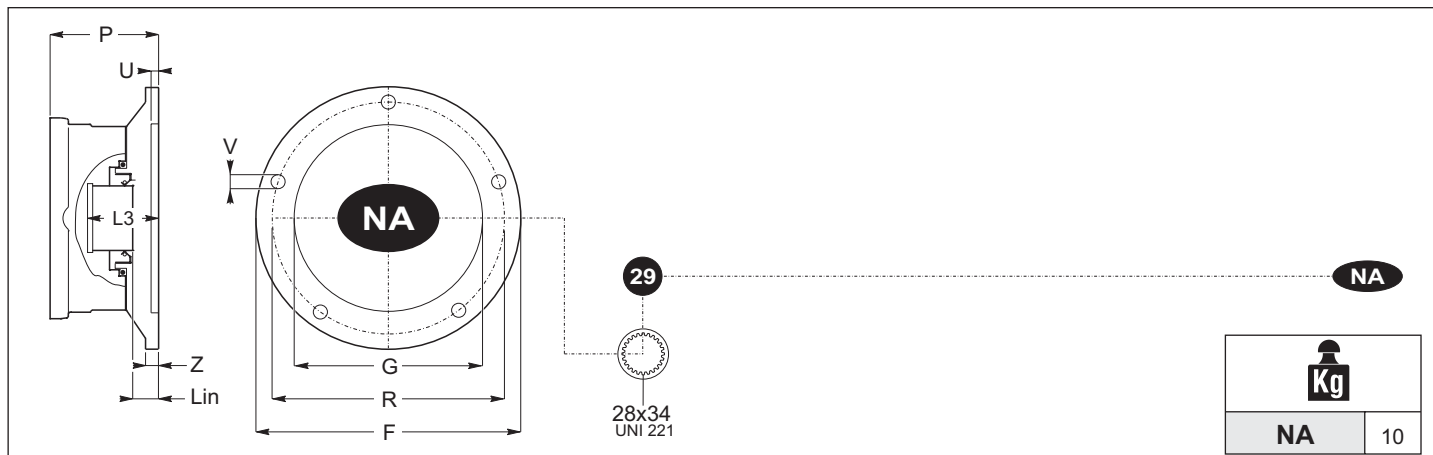


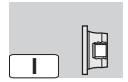
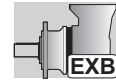


4.0 NA-OA-PA

4.0 NA-OA-PA

4.0 NA-OA-PA





4.0 NA-OA-PA

4.0 NA-OA-PA

4.0 NA-OA-PA

NA	OA	PA	EX1		EX2 EXB2		EX3 EXB3		EX4 EXB4	
10			101		102		103		104	
20			201		202	EXB	203		204	
25			251		252		253		254	
30			301		302		303		304	
40					402	-	403		404	
50			501	EX	502		503		504	
70			701		702	EXB	703		704	
80				801	802		803		804	
90					902	- EX	903	EXB	904	
100				1001	1002	EXB	1003		1004	
150					1502		1503	EX	1504	EX EXB
180					1802		1803		1804	
200					2002		2003		2004	
250						2502	2503		2504	
280						2802	2803		2804	
300						3002	3003		3004	
350						3502	3503		3504	
420							4203		4204	
650								6503	6504	
850								8503	8504	
1200								12003	12004	



	F	R	G	U	V	Z	L <sub>IN</sub>	L3	b	t	P										
		+/-0,1	F8						H7	+0,2											
NA 29	195	160	125	12	M10	43	37	76			110	118	126	110	118	126	110	118	126	110	118
OA 31	288	250	150	7	∅ 14	15	27	77			109	117	125	109	117	125	109	117	125	109	117
PA 29	233	210	175	6	∅ 14	16	22	62			95	103	111	95	103	111	95	103	111	95	103

4.0 Motor Type / Code STM

4.0 Motor Type / Code STM

4.0 Motor Type / Code STM

Company	Motor Type	Code STM
AXIAL PUMP	M2 24-50	EA15
AXIAL PUMP	M3 40-65	EA15
DANFOSS	OMP 25-400	CA4
DANFOSS	OMR 50-375	CA4
DANFOSS	OMP 25-400	CA5
DANFOSS	OMR 50-375	CA5
DANFOSS	OMP 25-400	CB7
DANFOSS	OMR 50-375	CB7
DANFOSS	OMH 200-500	CB7
DANFOSS	OMS 80-400	CB7
DANFOSS	OMT 160-500	FB8
DANFOSS	OMP 25-400	CA9
DANFOSS	OMR 50-375	CA9
DANFOSS	OMSS 80-400	DA11
DANFOSS	OMTS 160-500	FA13
DANFOSS	OMT 160-500	FB14
DANFOSS	OMVS 315-800	HA10
DINAMIC OIL	MGL 50-400	CA4
DINAMIC OIL	MGLR 50-375	CA4
DINAMIC OIL	MGT 50-400	CA4
DINAMIC OIL	MGL 50-401	CA5
DINAMIC OIL	MGLR 50-375	CA5
DINAMIC OIL	MGT 50-400	CA5
DINAMIC OIL	MGL 50-402	CA9
DINAMIC OIL	MGLR 50-375	CA9
DINAMIC OIL	MGT 50-400	CA9
EATON(CHAR-LYNN)	SERIE 2000	CA4
EATON(CHAR-LYNN)	SERIE 2000	CA5
EATON(CHAR-LYNN)	SERIE 2000	CA6
EATON(CHAR-LYNN)	SERIE 2000	CB7
EATON(CHAR-LYNN)	SERIE 2000	CA9
GEOLINK	GHL 50-400	CA4
GEOLINK	GFS 50-400	CA4
GEOLINK	GKS 50-400	CA4
GEOLINK	GLS 80-315	CB7
GEOLINK	GHL 50-400	CA9
GEOLINK	GFS 50-400	CA9
GEOLINK	GKS 50-400	CA9
HP HYDRAULIC	M4MF 21-28	CA5
HP HYDRAULIC	M4MF 21-28	CA15
HP HYDRAULIC	M4PV 21-28	EA15
HP HYDRAULIC	M4PV 34-65	EA15
HP HYDRAULIC	M4MF 34-65	EA15
HP HYDRAULIC	M4MV 34-65	EA15
LINDE	HMF 50-75	GB17
M + S	EPM 40-630	CA4
M + S	EPRM 50-400	CA4

Company	Motor Type	Code STM
M + S	EPM 40-630	CA5
M + S	EPRM 50-400	CA5
M + S	EPM 40-630	CB7
M + S	EPRM 50-400	CB7
M + S	EPRM 80-400	CB7
M + S	EPM 40-630	CA9
M + S	EPRM 50-400	CA9
M + S	EPMT 160-500	FB14
REXROTH	A2FM 23-32	DB4
REXROTH	A4FM 22-28	EA15
REXROTH	A10FM 23-28	EA15
REXROTH	A2FM 10-16	BA21
REXROTH	A2FM 23-32	DB21
REXROTH	A6VM 28	DB21
REXROTH	A2FM 23-32	DB22
REXROTH	A6VM 28	DB22
REXROTH	A2FM 45-63	FA22
REXROTH	A6VM 55	FA22
REXROTH	A2FM 45-63	FA23
REXROTH	A6VM 55	FA23
REXROTH	A2FM 80-90	HB23
REXROTH	A6VM 80	HB23
REXROTH	A2FM 80-90	HB24
REXROTH	A6VM 80	HB24
REXROTH	A6VM 160	LA25
SAE STANDARD	SAE A	CA4
SAE STANDARD	SAE A	CA5
SAE STANDARD	SAE A	CA6
SAE STANDARD	SAE A	CA9
SAI	GM05-40-200	NA29
SAI	GM2-200-630	OA31
SAI	GM1-100-320	PA29
SAMHYDRAULIK	BG 40-400	CA4
SAMHYDRAULIK	AGC 50-400	CA4
SAMHYDRAULIK	AGF 50-400	CA4
SAMHYDRAULIK	AR 50-400	CA4
SAMHYDRAULIK	ARC 50-400	CA4
SAMHYDRAULIK	ARF 50-400	CA4
SAMHYDRAULIK	BR 50-400	CA4
SAMHYDRAULIK	BG 40-401	CA5
SAMHYDRAULIK	AGC 50-401	CA5
SAMHYDRAULIK	AR 50-401	CA5
SAMHYDRAULIK	ARC 50-401	CA5
SAMHYDRAULIK	BR 50-401	CA5
SAMHYDRAULIK	BR 50-402	CA6
SAMHYDRAULIK	AGC 50-402	CB7
SAMHYDRAULIK	AGS 50-402	CB7



4.0 Motor Type / Code STM

4.0 Motor Type / Code STM

4.0 Motor Type / Code STM

Company	Motor Type	Code STM
SAMHYDRAULIK	ARC 50-402	CB7
SAMHYDRAULIK	BR 50-403	CB7
SAMHYDRAULIK	HPR 80-401	CB7
SAMHYDRAULIK	BG 40-402	CA9
SAMHYDRAULIK	AR 50-402	CA9
SAMHYDRAULIK	BR 50-404	CA9
SAMHYDRAULIK	H1C 75	HB23
SAMHYDRAULIK	H1C 90	KB24
SAMHYDRAULIK	H1C 160 M	LA25
SAMHYDRAULIK	H2V 160 M	LA25
SAMHYDRAULIK	H1C 160 M	LB33
SAUER	M25MF	EA15
SAUER	M35MF	EA15
SAUER	M44MF	EA15
SAUER	M46MF	EA15
SAUER	90M 030	EA15
SAUER	90M 042	EA15
SAUER	51V 160/A	JA20
SAUER	OMT 160-500	GC8
VOAC	0	EA15
VOAC	F12-30 ISO	DB22
VOAC	F12-60 ISO	FA23
VOAC	F12-80 ISO	HB24
VOAC	V14-160	LA25
VOAC	F 12/40 ISO	FA28
WHITE	RS-03-24	CA4
WHITE	HB-03-24	CA4
WHITE	RS-03-24	CA5
WHITE	HB-03-24	CA5
WHITE	HB-03-24	CA6
WHITE	HB-03-24	CB7
WHITE	RS-03-24	CA9
WHITE	HB-03-24	CA9
WHITE	HB-03-24	CA15

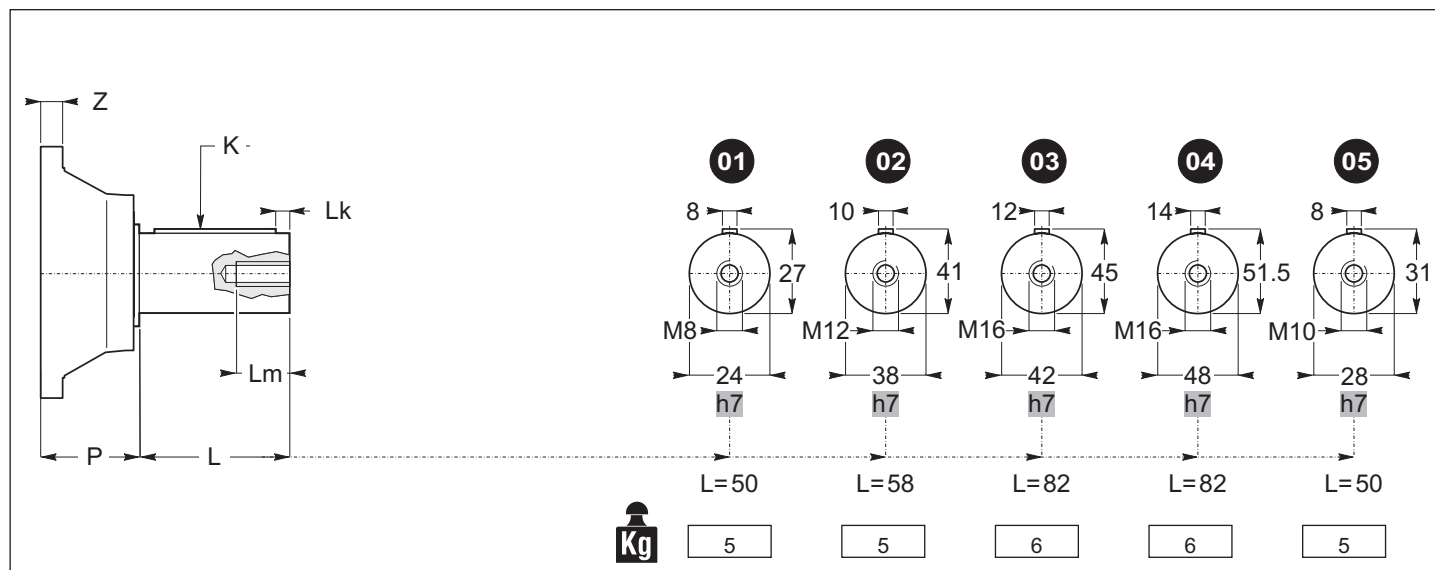
D



5.0 ECE

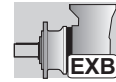
5.0 ECE

5.0 ECE



ECE	EX1		EX2 EXB2		EX3 EXB3		EX4 EXB4	
	10	101		102		103		104
20	201		202	EXB	203		204	
25	251		252		253		254	
30	301		302		303		304	
40			402	-	403		404	
50	501	EX	502		503		504	
70	701		702	EXB	703		704	
80	801		802		803		804	
90			902	EX	903	EXB	904	
100	1001		1002	EXB	1003		1004	
150			1502		1503	EX	1504	
180			1802		1803		1804	
200			2002		2003		2004	
250			2502		2503		2504	
280			2802		2803		2804	
300			3002		3003		3004	
350			3502		3503		3504	
420					4203		4204	
650						6503	6504	
850						8503	8504	
1200						12003	12004	

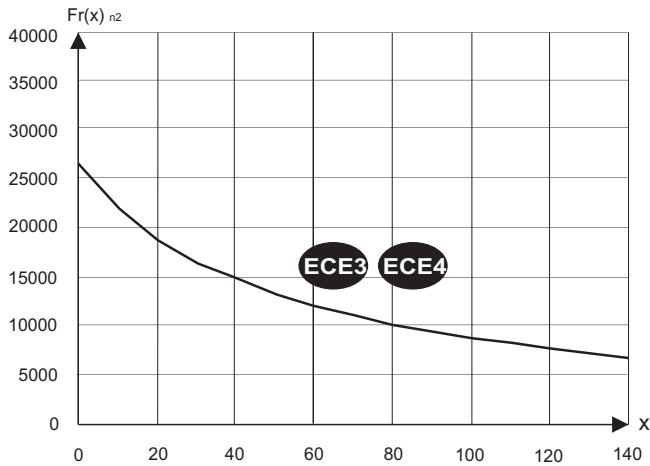
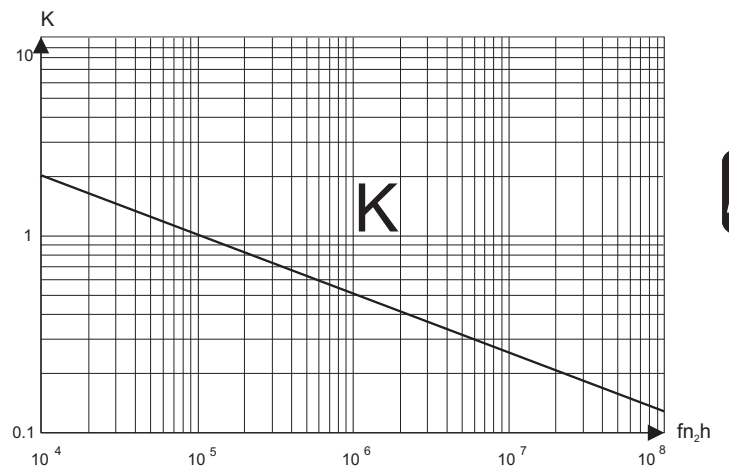
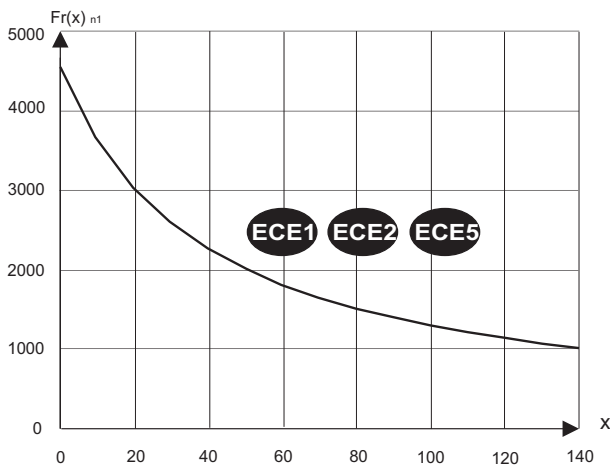
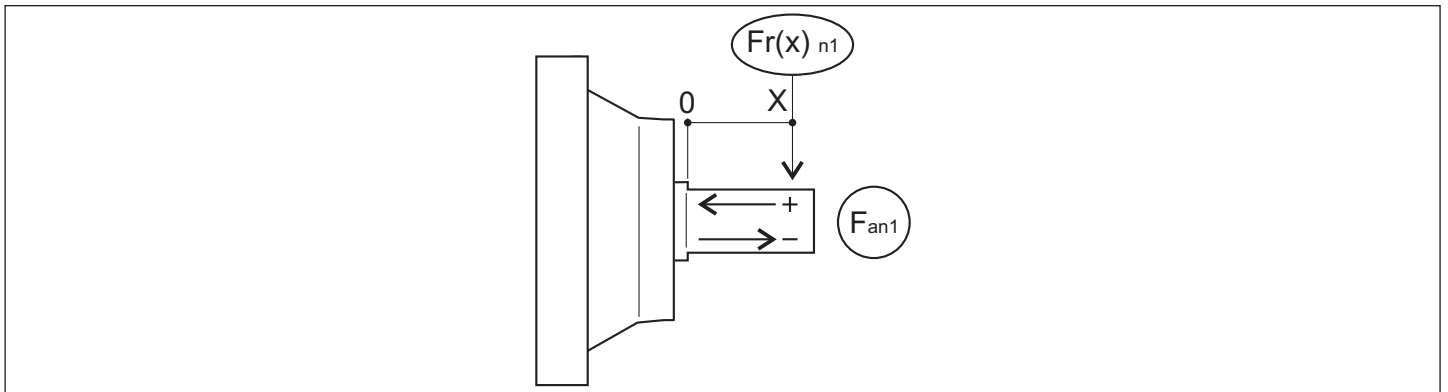
	L	Z	Lm	LK	K	P													
						UNI6604	91	117			91	117			91	117			91
ECE 1	50	23	20	5	8x7x40	91	117			91	117			91	117			91	117
ECE 2	58	23	24	4	10x8x50	91	117			91	117			91	117			91	117
ECE 3	82	23	32	6	12x8x70		117	161,9			117	161,9			117	161,9			117
ECE 4	82	23	32	6	14x9x70		117	161,9			117	161,9			117	161,9			117
ECE 5	50	23	22	5	8x7x40	91	117			91	117			91	117			91	117



5.0 ECE

5.0 ECE

5.0 ECE



	Direzione/Direction/Drehrichtung	ECE 1	ECE 2	ECE 3	ECE 4	ECE 5
$F_{a_{n1}}$	(+)	*	*	*	*	*
	(-)	*	*	*	*	*

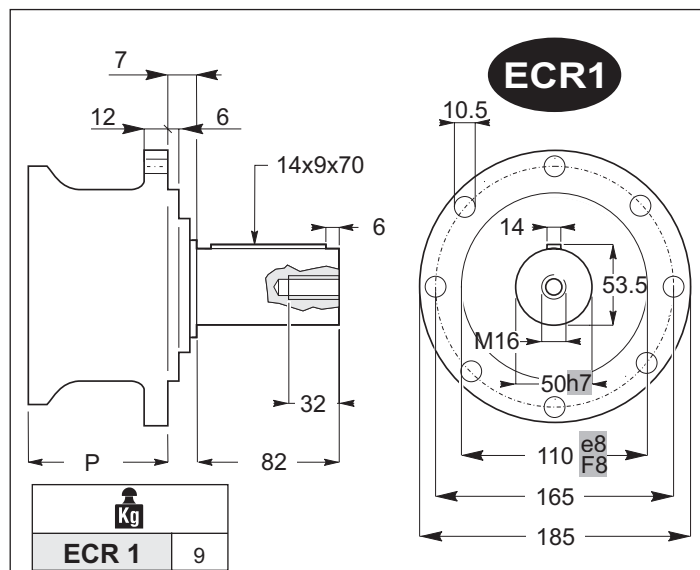
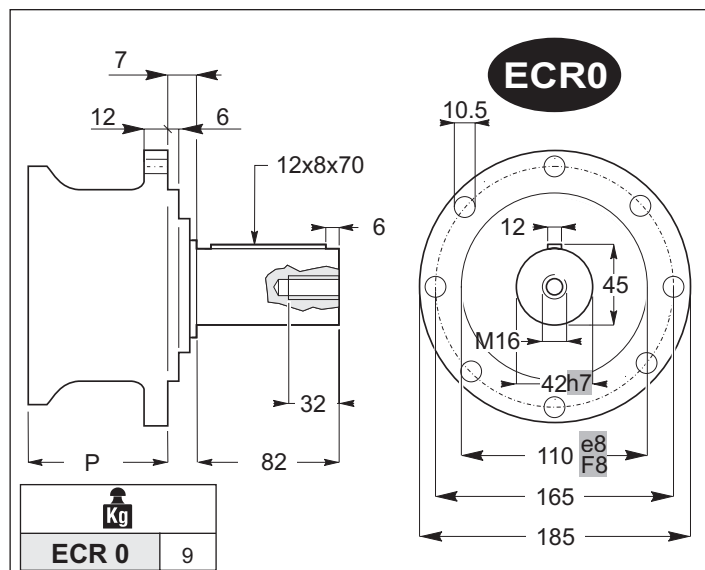
\* Contattare nostro ufficio tecnico commerciale / \* Please, contact our technical sales dept. / \* Bitte setzen Sie sich mit unserer technischen Abteilung in Verbindung



6.0 ECR 0-1

6.0 ECR 0-1

6.0 ECR 0-1



ECR	EX1		EX2 EXB2		EX3 EXB3		EX4 EXB4	
	EX1	EX	EX2	EXB2	EX3	EXB3	EX4	EXB4
10	101		102		103		104	
20	201		202	EXB	203		204	
25	251		252		253		254	
30	301	EX	302		303		304	
40			402	-	403		404	
50	501		502		503		504	
70	701		702	EXB EX	703		704	
80			802		803		804	
90			902	-	903	EXB EX	904	
100			1002	EXB	1003		1004	
150			1502		1503		1504	EX EXB
180			1802		1803		1804	
200			2002		2003		2004	
250					2503		2504	
280					2803		2804	
300					3003		3004	
350					3503		3504	
420					4203		4204	
650							6504	
850							8504	
1200							12004	

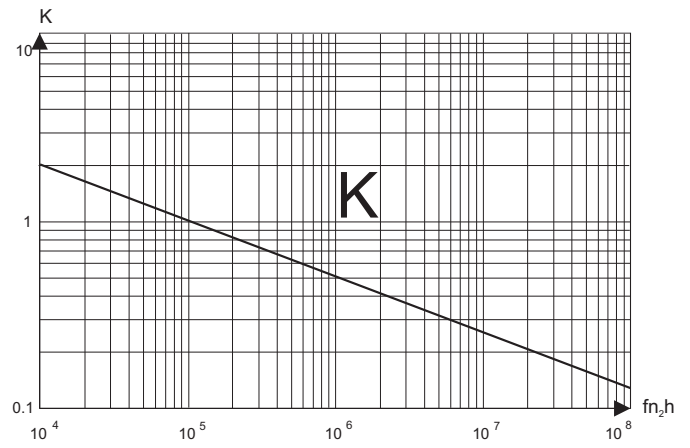
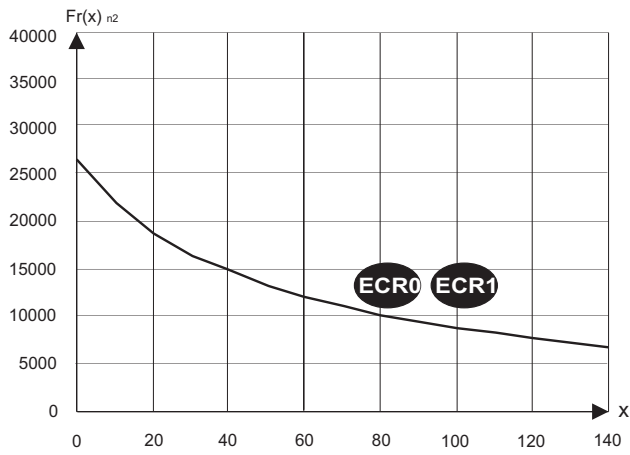
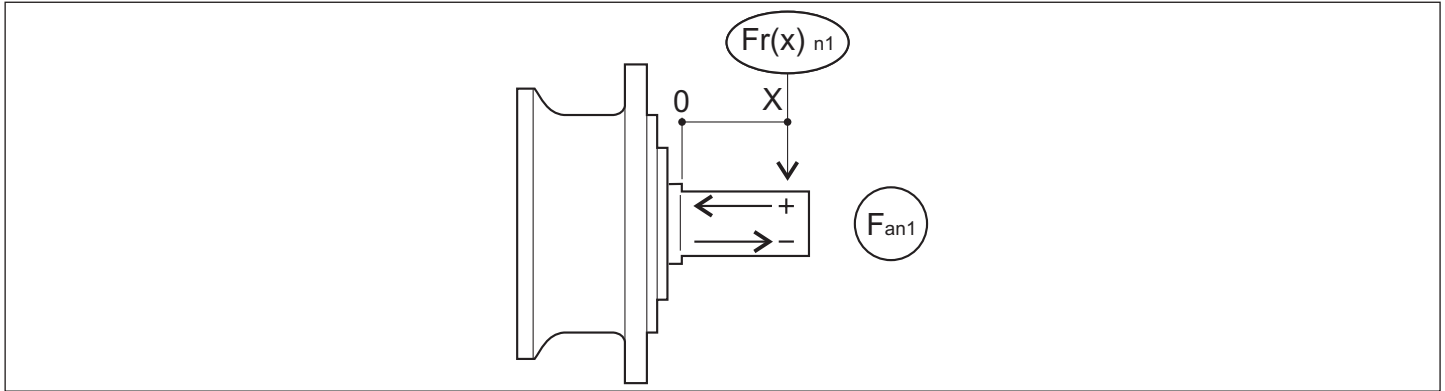
								P									
ECR0								108,3	116,8					108,3	116,8		
ECR1								108,3	116,8					108,3	116,8		



6.0 ECR 0-1

6.0 ECR 0-1

6.0 ECR 0-1



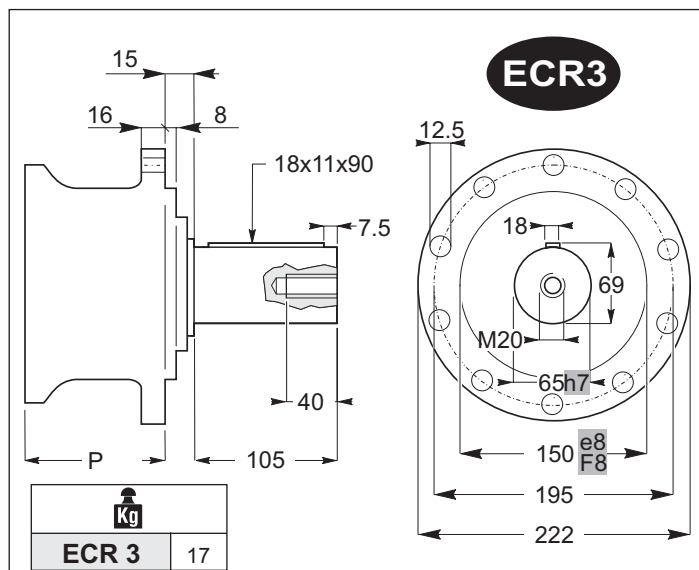
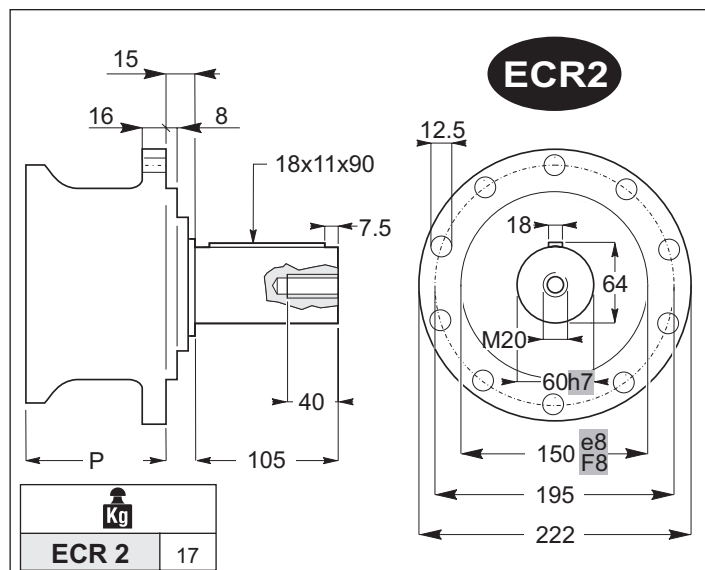
$Fa_{n1}$	Direzione/Direction/Drehrichtung	<b>ECR 0</b>	<b>ECR 1</b>
	(+)		22491
(-)		19278	19278



6.0 ECR 2-3-4

6.0 ECR 2-3-4

6.0 ECR 2-3-4



ECR	EX1		EX2 EXB2		EX3 EXB3		EX4 EXB4	
10	101			102		103		104
20	201			202		203		204
25	251			252	EXB	253		254
30	301			302		303		304
40			EX	402	-	403		404
50	501			502		503		504
70	701			702	EXB	703		704
80		801		802		803		804
90				902	- EX	903	EXB	904
100			1001	1002	EXB	1003		1004
150				1502		1503	EX	1504
180				1802		1803		1804
200				2002		2003		2004
250					2502	2503		2504
280						2802		2803
300						3002		3003
350						3502		3503
420							4203	4204
650							6503	6504
850							8503	8504
1200							12003	12004

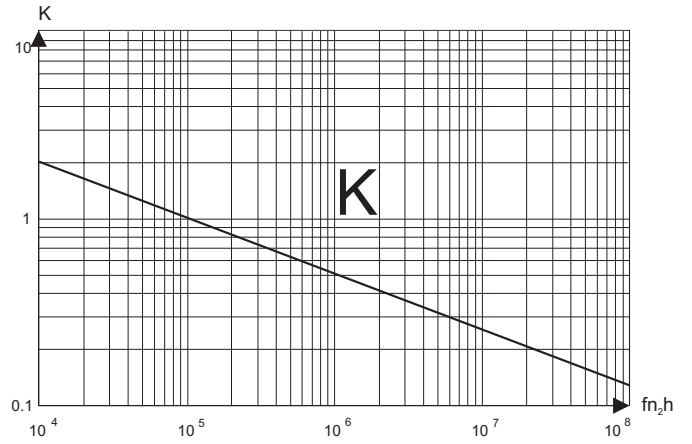
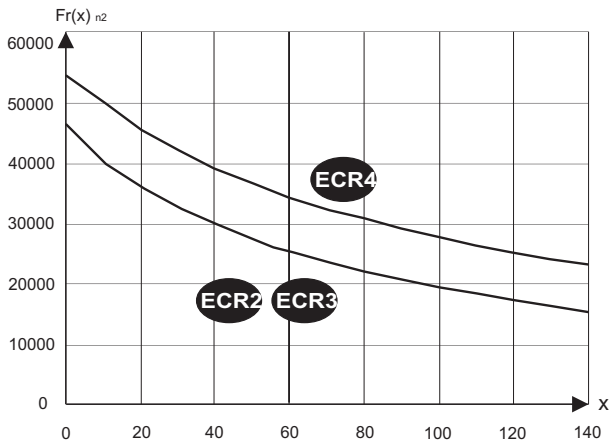
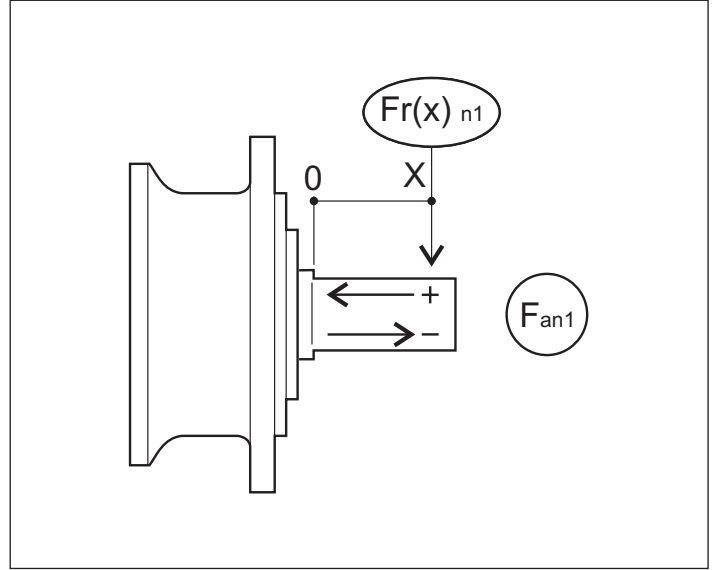
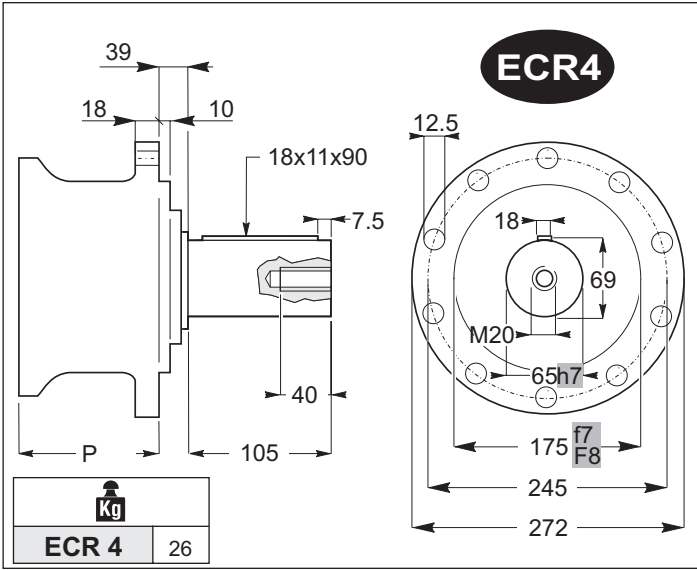
										P														
ECR2										114.8	141.5	157.5	157.5	114.8	141.5	157.5	157.5	114.8	141.5	157.5	114.8	141.5		
ECR3										114.8	141.5	157.5	157.5	114.8	141.5	157.5	157.5	114.8	141.5	157.5	114.8	141.5		
ECR4											141.5	157.5	157.5		141.5	157.5	157.5		141.5	157.5		141.5		



6.0 ECR 2-3-4

6.0 ECR 2-3-4

6.0 ECR 2-3-4



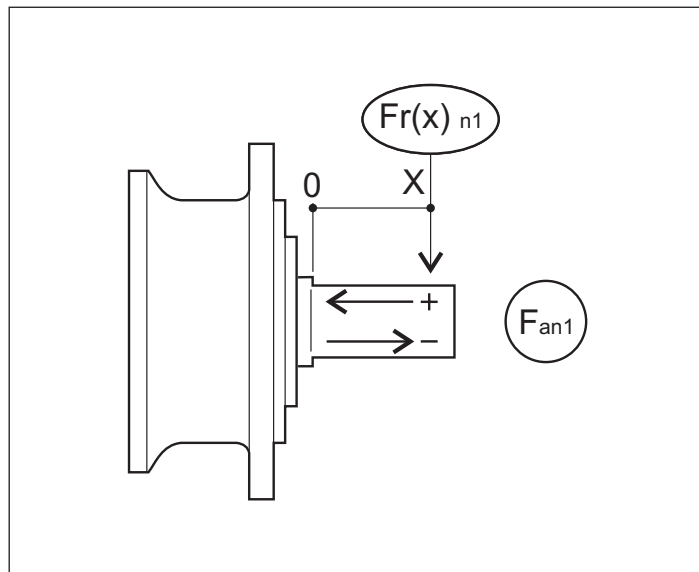
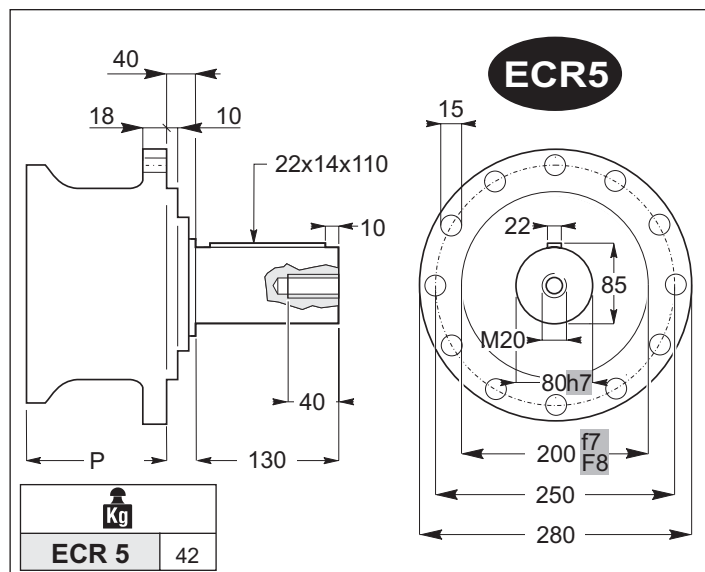
	Direzione/Direction/Drehrichtung	ECR 2	ECR 3	ECR 4
$Fa_{n1}$	(+)		38557	44398
	(-)		34426	38557



6.0 ECR 5

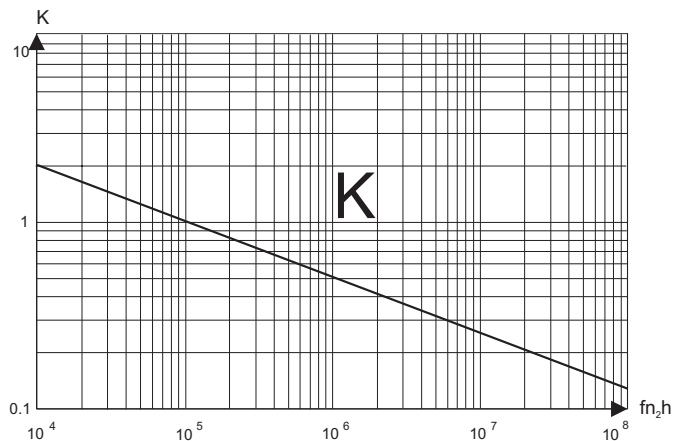
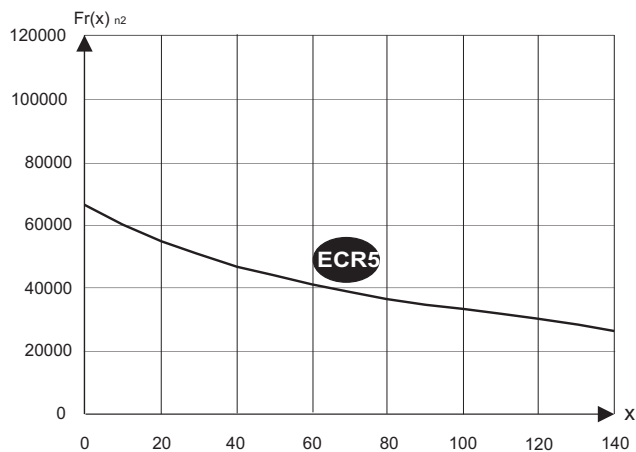
6.0 ECR 5

6.0 ECR 5



ECR	EX1	EX2	EX3	EX4
	80	801		
90				
100				
150				
180				
200				
250		2502		
280				
300				
350				
420				
650			6503	

ECR5	P		
		154.0	154.0



Fa n1	Direzione/Direction/Drehrichtung	ECR 5
	(+)	58419
	(-)	58419

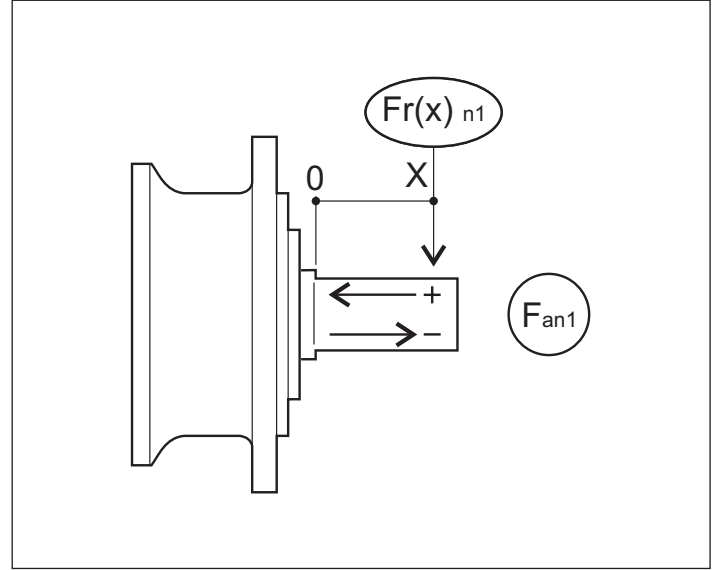
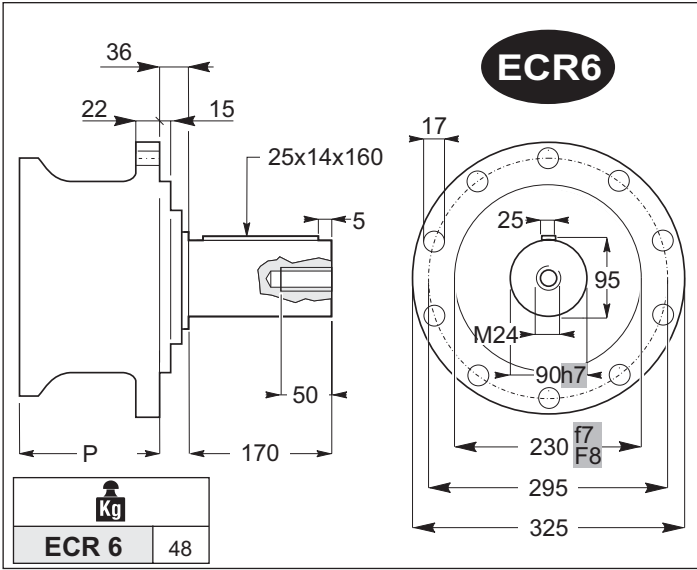




6.0 ECR 6

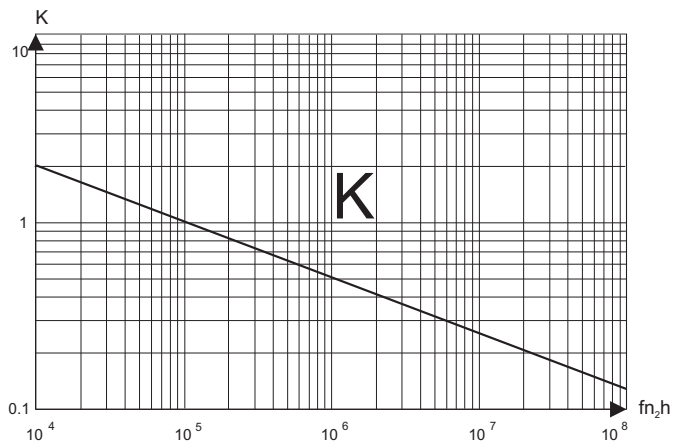
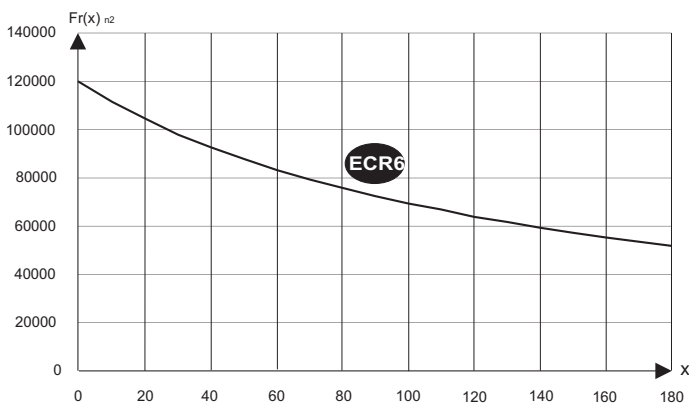
6.0 ECR 6

6.0 ECR 6



ECR	EX1	EX2	EX3	EX4
	100	1001		
150				
180				
200				
250				
280		2802		
300		3002		
350		3502		
420				
650				
850				8503
1200				12003

P										
ECR6										
					207			207		207



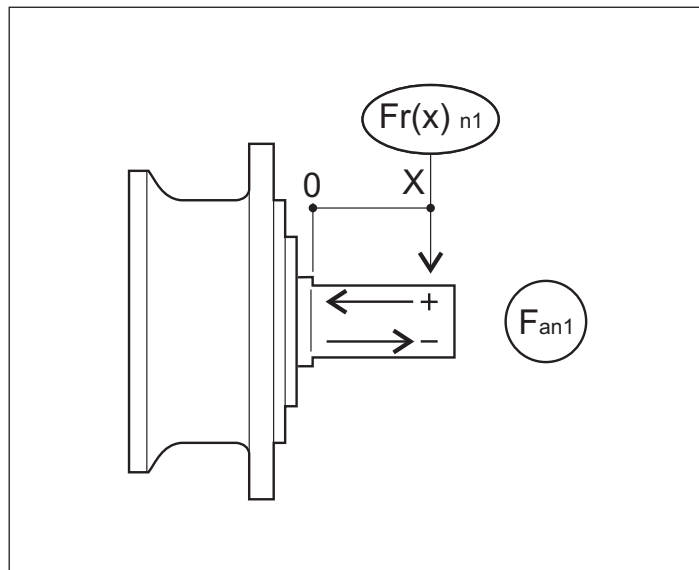
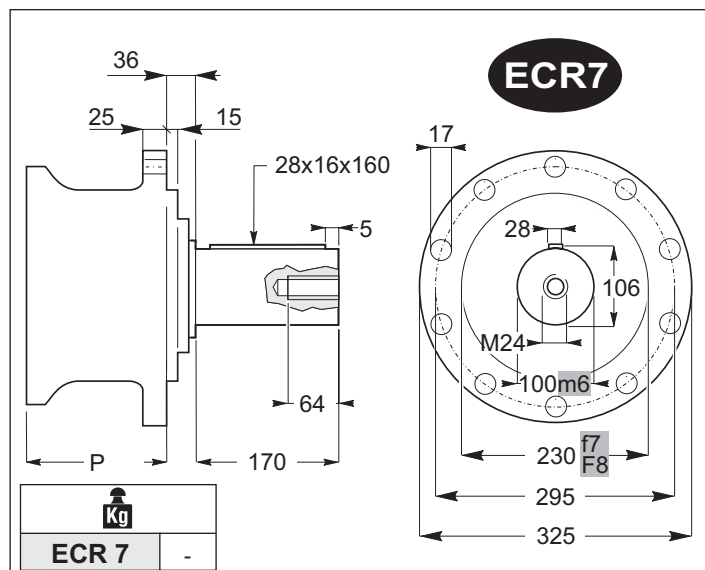
Fa n1	Direzione/Direction/Drehrichtung	ECR 6
	(+)	104737
	(-)	73441



6.0 ECR 7

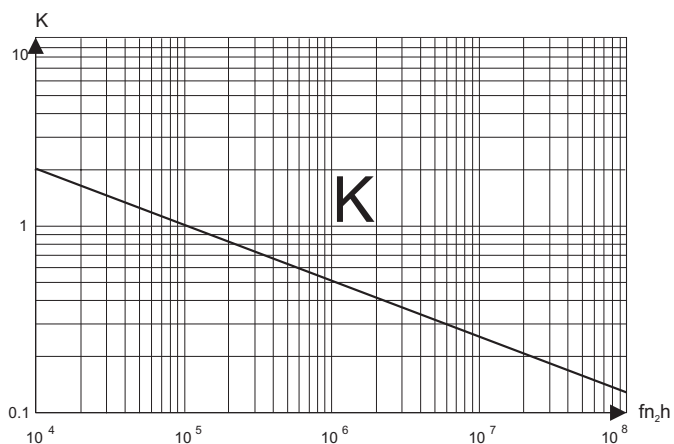
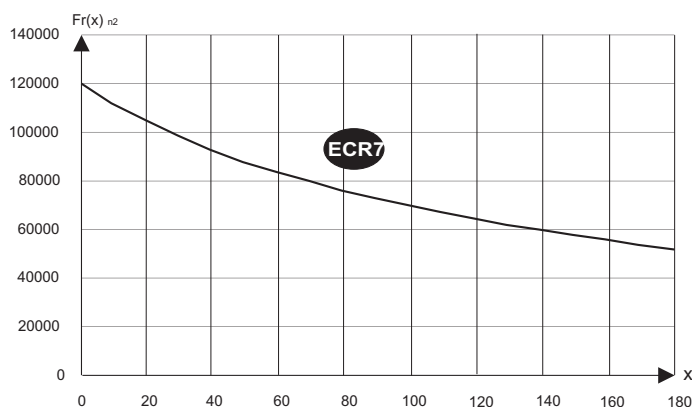
6.0 ECR 7

6.0 ECR 7



<b>ECR</b>	EX1	EX2	EX3	EX4
	<b>150</b>	1501		
<b>180</b>				
<b>200</b>	2001			
<b>250</b>				
<b>280</b>				
<b>300</b>				
<b>350</b>				
<b>420</b>			4202	
<b>650</b>				
<b>850</b>				

										<b>P</b>									
<b>ECR7</b>																			



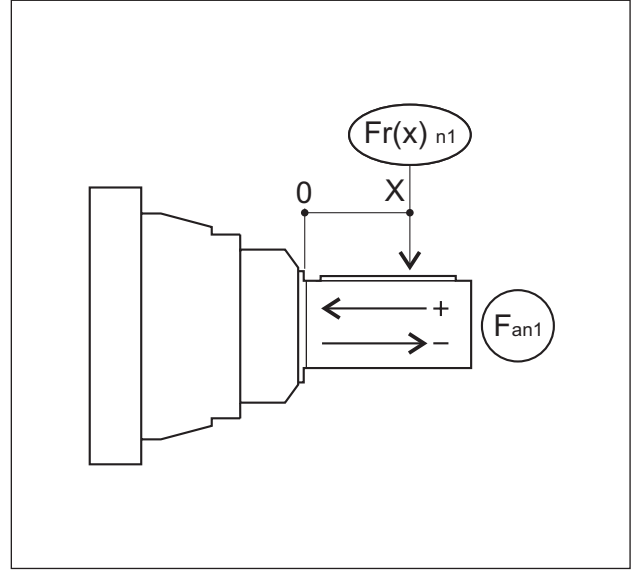
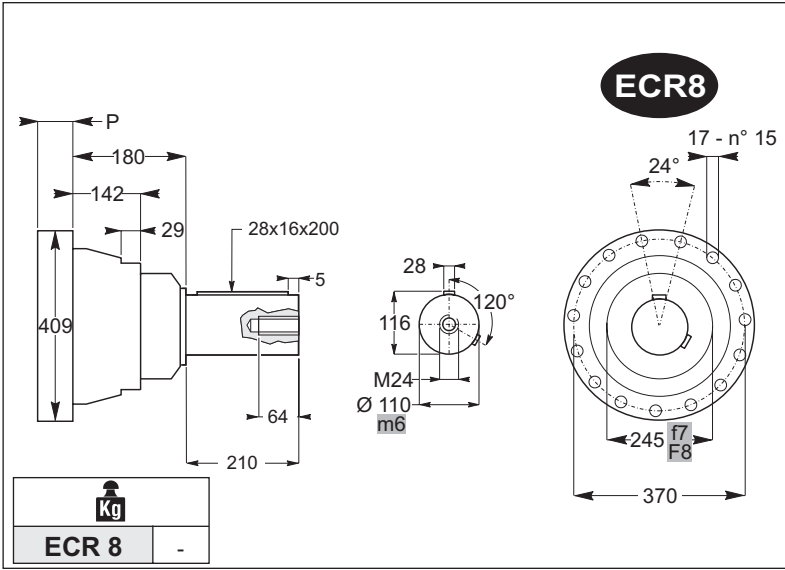
$F_{a_{n1}}$	Direzione/Direction/Drehrichtung	<b>ECR 7</b>
		(+)
	(-)	73441



6.0 ECR 8

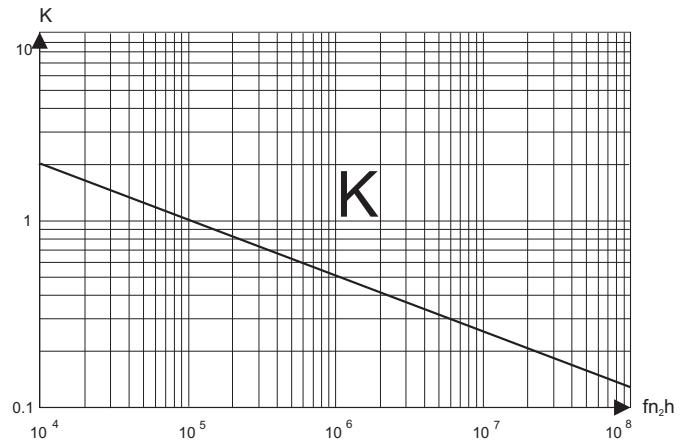
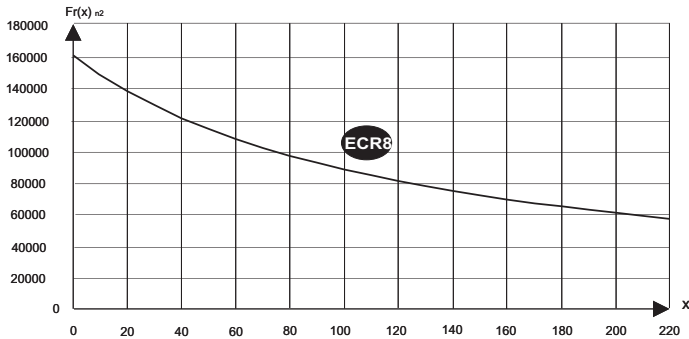
6.0 ECR 8

6.0 ECR 8



ECR	EX1	EX2	EX3	EX4
	250	2501		
280				
300				
350				
420				
650			6502	
850				

ECR8										P									



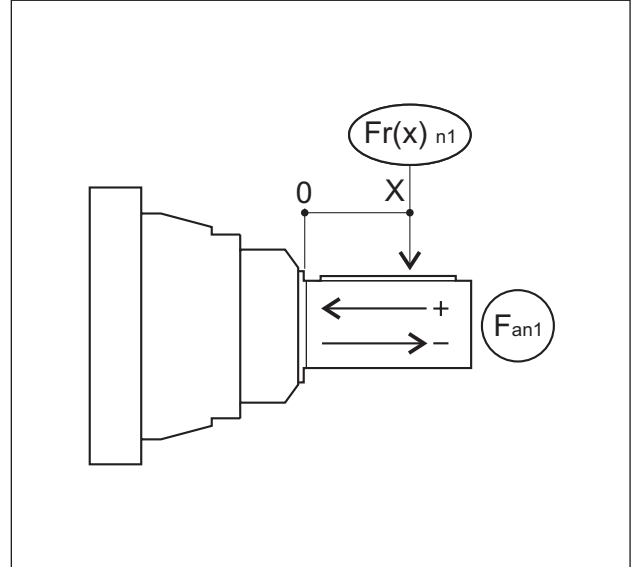
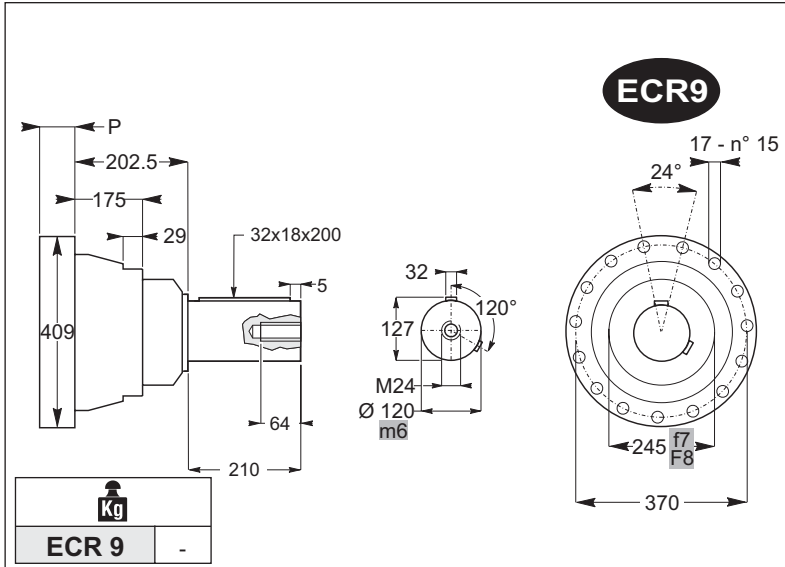
Fa n1	Direzione/Direction/Drehrichtung	ECR 8
	(+)	149386
	(-)	112665



6.0 ECR 9

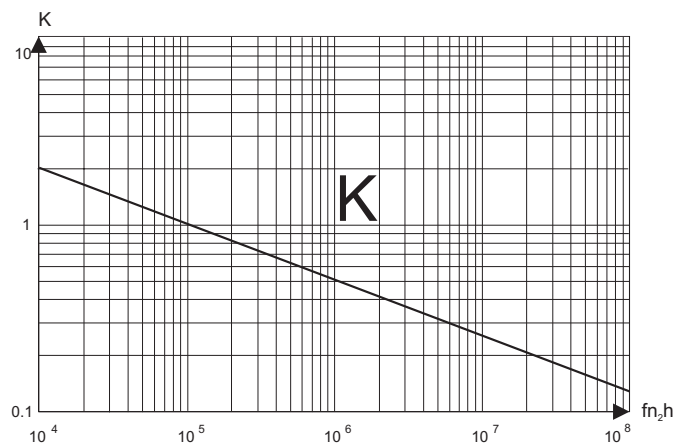
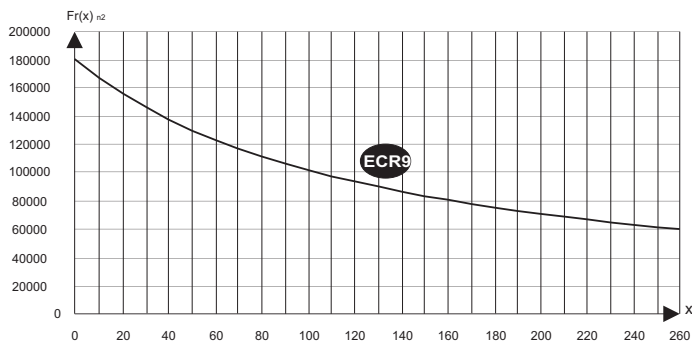
6.0 ECR 9

6.0 ECR 9



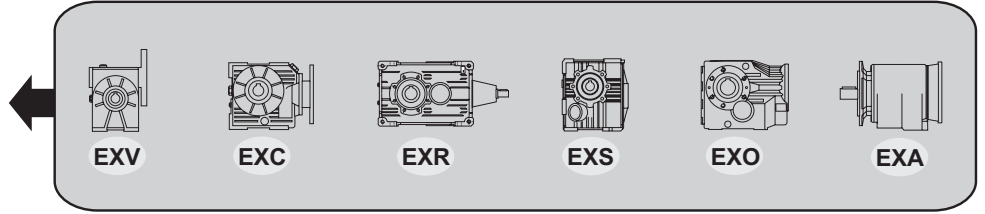
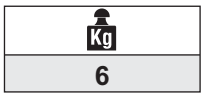
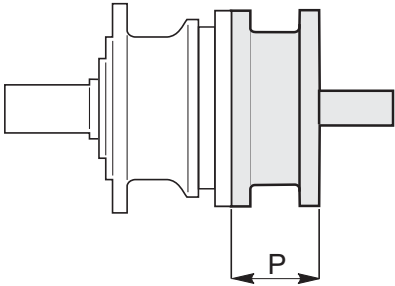
ECR	EX			
	EX1	EX2	EX3	EX4
300		3001		
350				
420				
650				
850			8502	

ECR9	P									



Fa n1	Direzione/Direction/Drehrichtung	ECR 9
	(+)	167746
	(-)	128521

EX.



D

	<b>1</b>										<b>2</b>										<b>3</b>										<b>4</b>											
10	101										102										103										104											
20		201										202										203									204											
25			251										252										253								254											
30				301										302									303								304											
40													402										403								404											
50					501									502									503								504											
70						701									702								703								704											
80							801									802							803								804											
90																902							903								904											
100										1001							1002						1003								1004											
150											1501						1502						1503								1504											
180																	1802						1803								1804											
200											2001							2002					2003								2004											
250												2501						2502						2503							2504											
280																		2802						2803							2804											
300												3001						3002						3003							3004											
350																		3502						3503							3504											
420																			4202					4203							4204											
650																							6502					6503				6504										
850																								8502					8503				8504									
1200																													1200									1200				4

P																																									
EXV 50	*																																								
EXV 63	*																																								
EXV 70	*	*																																							
EXV 85	*	*	*	*	*																																				
EXV 110			*	*	*	*	*																																		
EXV 130				*		*																																			
EXV 150					*	*																																			
EXV 180								*																																	
EXC 50	*																																								
EXC 70	*	*																																							
EXC 85	*	*	*	*	*																																				
EXC 110			*	*	*	*	*																																		
EXS 35	*																																								
EXS 45	*	*																																							
EXR 704	*	*																																							
EXR 708	*	*	*	*	*																																				
EXR 712			*	*	*	*	*																																		
EXR 716				*	*	*																																			
EXR 720						*																																			
EXO 132							*																																		
EXO 150							*																																		
EXO 170								*																																	
EXO 190									*																																
EXA 35	*	*																																							
EXA 41	*	*																																							
EXA 45	*	*																																							
EXA 50	*	*																																							

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