DANA BREVINI® Motion Systems

CTF011000-19
07 2019

Product Catalog

Brevini® Planetary Gearboxes
Industrial Series

Torques from 300 Nm to 35.000 Nm



Planetary solutions

Brevini® Industrial Series planetary gearboxes with its modularity, wide range of characteristics and variants, allows to meet every possible application needs for both Industrial and Mobile applications.

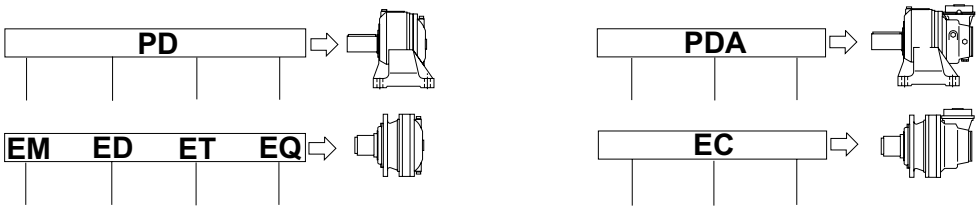
1. DESCRIZIONE RIDUTTORI

1. DESCRIPTION OF GEAR UNITS

1. GETRIEBE-BESCHREIBUNG

EM

Versione
Version
Ausführung



1

Stadi
Stages
Etappes

1 2 3 4

2 3 4

020

Grandezza
Size
Größe

020, 010, 020, 010, 020, 010

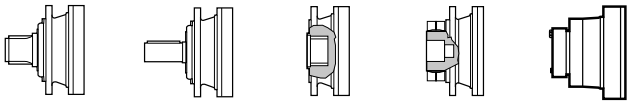
020, 010, 020, 010, 020, 010

MR

Configurazione uscita
Output configuration
Abtriebsanordnung

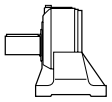
Versione con flangia / Flanged version / Version mit flansch

MN MR | MN1 MR1 | FE | FS | FP



Versione con piedi
Foot version
Version mit Fuß

MR1
(PD-PDA)



3.50

Rapporto effettivo
Effective ratio
Effektives
Übersetzungsverhältnis

⇩ Vedere tabelle dati tecnici / See data sheet / Siehe Tabelle der technischen Daten (i_{eff})

i_{eff}	1500			1000			500			T_{2max} [Nm]	P_1 [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EM 1020											
3.08	487	888	45.3	325	1003	34.1	162	1235	21.0	2800	
3.50	429	972	43.6	286	1098	32.9	143	1351	20.2	2800	

S-45CR1

Configurazione entrata
Input configuration
Antriebsanordnung

Supporti maschio in entrata
Cylindrical male input shaft
Antriebswellenstümpfe



S-45CR1
S-46C1
S-65CR1
S-90CR1



48.82
45.70

Freni lamellari
Multidisc brakes
Lamellenbremsen



FL250
FL350
FL450
FL650
FL750
FL960

Entrata universale
Universal input
Universalantriebe



B3

Posizione di montaggio
Mounting position
Einbaulage

B3 B6 B7 B8 V5 V6

V5A V6A B3D
V5B V6B B6C
V5C V6C B7A
V5D V6D B8B

B3A B3B B3C
B6A B6B B6D
B7B B7C B7D
B8A B8C B8D

Esempio di designazione Model code example Beispiel der kennzeichnung	**EM1020/MR/3.50/S-45CR1/B3**

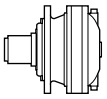
7. DATI TECNICI E TAVOLE DIMENSIONALI
TECHNICAL DATA AND DIMENSIONAL DRAWINGS
TECHNISCHE DATEN UND MASSBILDER
CARACTERISTIQUES TECHNIQUES ET PLANCHES DES DIMENSIONS
DATOS TÉCNICOS Y DISEÑOS DIMENSIONALES
DADOS TÉCNICOS E TABELAS DIMENSIONAIS



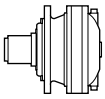
Serie Standard / Standard Series
Serie Standard / Série Standard
Serie Standard / Série Standard

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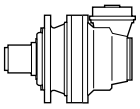
Type	i_{eff}	T_N [Nm]			
010	3.38 - 3282	1000	B40x36 DIN5482	42	34
020	3.08 - 3235	2100	B58x53 DIN5482	65	46
030	15.37 - 3097	3800	B58x53 DIN5482	65	60
040	15.37 - 3170	3800	B58x53 DIN5482	65	72
045	3.50 - 3301	3800	B58x53 DIN5482	65	80
046	3.50 - 3301	3800	B58x53 DIN5482	65	94
065	3.50 - 3170	6400	B70x64 DIN5482	65	104
067	12.25-201.0	6400	B70x64 DIN5482	65	118
090	4.08 - 3207	9200	B80x74 DIN5482	90	132
091	11.22-42.37	9200	B80x74 DIN5482	90	146
150	3.90-3460	13000	B80x74 DIN5482	100	156
155	19.50-272.7	13000	B80x74 DIN5482	100	170
250	4.04 - 2741	20000	B100x94 DIN5482	110	184
255	16.48-2744	20000	B100x94 DIN5482	110	196
320	19.95-245.3	25000	B100x94 DIN5482	110	208



i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EM 1065											
3.50	429	2241	101	286	2531	76	143	3116	46.6	10000	
3.86	389	2307	94	259	2605	71	130	3207	43.5	10000	
4.33	346	2346	85	231	2650	64	115	3262	39.5	10000	30
5.00	300	2401	75	200	2712	57	100	3338	35.0	10000	
6.00	250	2502	66	167	2826	49.3	83	3480	30.4	10000	
ED 2065											
10.78	139	3110	45.3	93	3512	34.1	46.4	4324	21.0	9800	
12.25	122	3264	41.9	82	3686	31.5	40.8	4538	19.4	9800	
13.51	111	3359	39.1	74	3794	29.4	37.0	4671	18.1	10000	
15.16	99	3417	35.4	66	3859	26.7	33.0	4751	16.4	10000	
17.88	84	3590	31.5	56	4055	23.8	28.0	4992	14.6	10000	
20.65	73	3674	28.0	48.4	4150	21.0	24.2	5109	13.0	10000	
22.39	67	3841	27.0	44.7	4338	20.3	22.3	5340	12.5	10000	18
25.98	58	4016	24.3	38.5	4536	18.3	19.2	5140	10.4	10000	
27.99	54	3334	18.7	35.7	3567	13.3	17.9	3918	7.3	10000	
30.00	50	4110	21.5	33.3	4642	16.2	16.7	5479	9.6	10000	
36.25	41.4	4319	18.7	27.6	4620	13.3	13.8	5075	7.3	10000	
43.50	34.5	3971	14.3	23.0	4137	10.0	11.5	4422	5.3	10000	
ET 3065											
51.22	29.3	4924	15.1	19.5	5561	11.4	9.8	6150	6.3	10000	
53.78	27.9	5087	14.9	18.6	5745	11.2	9.3	7073	6.9	10000	
60.44	24.8	5174	13.4	16.5	5844	10.1	8.3	6246	5.4	10000	
73.50	20.4	5058	10.8	13.6	5549	7.9	6.8	6254	4.5	10000	
78.51	19.1	5597	11.2	12.7	6005	8.0	6.4	6603	4.4	10000	
90.93	16.5	5849	10.1	11.0	6085	7.0	5.5	6810	3.9	10000	
98.27	15.3	5841	9.3	10.2	6112	6.5	5.1	6560	3.5	10000	
110.6	13.6	6079	8.6	9.0	6361	6.0	4.5	7297	3.5	10000	
123.9	12.1	5642	7.2	8.1	5851	4.9	4.0	6651	2.8	10000	14
134.3	11.2	6051	7.1	7.4	6315	4.9	3.7	6760	2.6	10000	
155.1	9.7	5757	5.8	6.4	6024	4.1	3.2	6968	2.4	10000	
180.0	8.3	5834	5.1	5.6	6219	3.6	2.8	7170	2.1	10000	
208.2	7.2	5910	4.5	4.8	6413	3.2	2.4	7269	1.8	10000	
217.5	6.9	5495	4.0	4.6	5735	2.8	2.3	6146	1.5	10000	
251.6	6.0	5581	3.5	4.0	5821	2.4	2.0	6233	1.3	10000	
272.8	5.5	5375	3.1	3.7	5552	2.1	1.8	5838	1.1	10000	
EQ 4065											
322.7	4.6	7604	3.7	3.1	7906	2.6	1.5	9121	1.5	10000	
373.2	4.0	7704	3.2	2.7	8152	2.3	1.3	9392	1.3	10000	
411.6	3.6	7683	2.9	2.4	8332	2.1	1.2	9537	1.2	10000	
441.0	3.4	6873	2.4	2.3	7218	1.7	1.1	7800	0.93	10000	
510.1	2.9	6998	2.2	2.0	7341	1.5	0.98	7923	0.81	10000	
555.3	2.7	7619	2.2	1.8	7992	1.5	0.90	8626	0.81	10000	
631.1	2.4	8077	2.0	1.6	8750	1.5	0.79	9802	0.81	10000	
696.2	2.2	7397	1.7	1.4	7774	1.2	0.72	8406	0.63	10000	
771.8	1.9	7348	1.5	1.3	7688	1.0	0.65	8274	0.56	10000	
892.7	1.7	6595	1.2	1.1	6907	0.81	0.56	7448	0.44	10000	
994.6	1.5	8119	1.3	1.0	8789	0.93	0.50	10000	0.52	10000	8
1104	1.4	8159	1.2	0.91	8545	0.81	0.45	9215	0.44	10000	
1303	1.2	9309	1.1	0.77	10000	0.81	0.38	10000	0.40	10000	
1445	1.0	7916	0.86	0.69	8637	0.63	0.35	9973	0.36	10000	
1631	0.92	8185	0.79	0.61	8905	0.57	0.31	10000	0.32	10000	
1884	0.80	9194	0.77	0.53	9932	0.55	0.27	10000	0.26	10000	
2095	0.72	7243	0.54	0.48	7839	0.39	0.24	8946	0.22	10000	
2186	0.69	8653	0.62	0.46	9419	0.45	0.23	10000	0.24	10000	
2468	0.61	5462	0.35	0.41	5604	0.24	0.20	5852	0.12	10000	
2850	0.53	6307	0.35	0.35	6471	0.24	0.18	6757	0.12	10000	
3170	0.47	7852	0.39	0.32	8486	0.28	0.16	9665	0.16	10000	



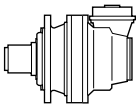
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EM 1065											
3.50	429	3960	178	286	4472	134	143	5506	82	10000	
3.86	389	4076	166	259	4603	125	130	5667	77	10000	
4.33	346	4145	150	231	4682	113	115	5715	69	10000	30
5.00	300	4242	133	200	4791	100	100	5438	57	10000	
6.00	250	3746	98	167	3975	69	83	4323	37.7	10000	
ED 2065											
10.78	139	5495	80	93	6205	60	46.4	7412	36.0	9800	
12.25	122	5767	74	82	6430	55	40.8	7159	30.6	9800	
13.51	111	5836	68	74	6101	47.3	37.0	7004	27.1	10000	
15.16	99	5816	60	66	6071	42.0	33.0	6924	23.9	10000	
17.88	84	5921	52	56	6172	36.1	28.0	7171	21.0	10000	
20.65	73	5627	42.8	48.4	5859	29.7	24.2	6775	17.2	10000	
22.39	67	5648	39.6	44.7	6066	28.4	22.3	6667	15.6	10000	18
25.98	58	5282	31.9	38.5	5634	22.7	19.2	6154	12.4	10000	
27.99	54	4086	22.9	35.7	4338	16.2	17.9	4724	8.8	10000	
30.00	50	5841	30.6	33.3	6327	22.1	16.7	7107	12.4	10000	
36.25	41.4	5292	22.9	27.6	5619	16.2	13.8	6119	8.8	10000	
43.50	34.5	4777	17.3	23.0	5229	12.6	11.5	6061	7.3	10000	
ET 3065											
51.22	29.3	7101	21.8	19.5	7725	15.8	9.8	8874	9.1	10000	
53.78	27.9	7500	21.9	18.6	7965	15.5	9.3	9256	9.0	10000	
60.44	24.8	7352	19.1	16.5	7990	13.8	8.3	9165	7.9	10000	
73.50	20.4	6404	13.7	13.6	6932	9.9	6.8	7700	5.5	10000	
78.51	19.1	7759	15.5	12.7	8420	11.2	6.4	9640	6.4	10000	
90.93	16.5	7923	13.7	11.0	8576	9.9	5.5	9526	5.5	10000	
98.27	15.3	6962	11.1	10.2	7271	7.7	5.1	8473	4.5	10000	
110.6	13.6	7593	10.8	9.0	8176	7.7	4.5	9050	4.3	10000	
123.9	12.1	7813	9.9	8.1	8469	7.2	4.0	9684	4.1	10000	14
134.3	11.2	7195	8.4	7.4	7801	6.1	3.7	9049	3.5	10000	
155.1	9.7	8172	8.3	6.4	8849	6.0	3.2	10105	3.4	10000	
180.0	8.3	7649	6.7	5.6	8256	4.8	2.8	9578	2.8	10000	
208.2	7.2	7788	5.9	4.8	8524	4.3	2.4	9872	2.5	10000	
217.5	6.9	6585	4.8	4.6	7087	3.4	2.3	8256	2.0	10000	
251.6	6.0	6681	4.2	4.0	7324	3.0	2.0	8516	1.8	10000	
272.8	5.5	6039	3.5	3.7	6238	2.4	1.8	6559	1.3	10000	
EQ 4065											
322.7	4.6	10000	4.8	3.1	10000	3.2	1.5	10000	1.6	10000	
373.2	4.0	10000	4.2	2.7	10000	2.8	1.3	10000	1.4	10000	
411.6	3.6	10000	3.8	2.4	10000	2.5	1.2	10000	1.3	10000	
441.0	3.4	8383	3.0	2.3	9136	2.2	1.1	9796	1.2	10000	
510.1	2.9	8557	2.6	2.0	9469	1.9	0.98	9941	1.0	10000	
555.3	2.7	9315	2.6	1.8	10000	1.9	0.90	10000	0.94	10000	
631.1	2.4	10000	2.5	1.6	10000	1.7	0.79	10000	0.83	10000	
696.2	2.2	9081	2.0	1.4	10000	1.5	0.72	10000	0.75	10000	
771.8	1.9	9488	1.9	1.3	9754	1.3	0.65	10000	0.68	10000	
892.7	1.7	8555	1.5	1.1	9394	1.1	0.56	10000	0.59	10000	
994.6	1.5	10000	1.6	1.0	10000	1.0	0.50	10000	0.52	10000	8
1104	1.4	10000	1.5	0.91	10000	0.95	0.45	10000	0.47	10000	
1303	1.2	10000	1.3	0.77	10000	0.81	0.38	10000	0.40	10000	
1445	1.0	10000	1.0	0.69	10000	0.72	0.35	10000	0.37	10000	
1631	0.92	10000	0.96	0.61	10000	0.64	0.31	10000	0.32	10000	
1884	0.80	10000	0.84	0.53	10000	0.55	0.27	10000	0.28	10000	
2095	0.72	10000	0.75	0.48	10000	0.50	0.24	10000	0.25	10000	
2186	0.69	10000	0.82	0.46	10000	0.48	0.23	10000	0.24	10000	
2468	0.61	6338	0.40	0.41	6744	0.29	0.20	7495	0.16	10000	
2850	0.53	7319	0.40	0.35	7787	0.29	0.18	8655	0.16	10000	
3170	0.47	10000	0.49	0.32	10000	0.34	0.16	10000	0.17	10000	



i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EC 2065 - PDA 2065											
10.50	143	2368	35.4	95	2674	26.7	47.6	3292	16.4	10000	
11.58	130	2611	35.4	86	2949	26.7	43.2	3631	16.4	10000	
12.99	115	2929	35.4	77	3308	26.7	38.5	4073	16.4	10000	
16.17	93	1582	15.4	62	1787	11.6	30.9	2200	7.1	10000	14
17.83	84	1745	15.4	56	1971	11.6	28.0	2426	7.1	10000	
20.00	75	1957	15.4	50	2211	11.6	25.0	2722	7.1	10000	
23.10	65	2260	15.4	43.3	2553	11.6	21.6	3143	7.1	10000	
27.72	54	2713	15.4	36.1	3063	11.6	18.0	3772	7.1	10000	
EC 3065 - PDA 3065											
40.53	37.0	4671	18.1	24.7	5275	13.6	12.3	6131	7.9	10000	
45.47	33.0	4751	16.4	22.0	5365	12.4	11.0	6085	7.0	10000	
49.80	30.1	4874	15.4	20.1	5504	11.6	10.0	6777	7.1	10000	
56.60	26.5	5166	14.3	17.7	5834	10.8	8.8	7164	6.6	10000	
62.42	24.0	5317	13.4	16.0	5987	10.0	8.0	6527	5.5	10000	
70.02	21.4	5408	12.1	14.3	5944	8.9	7.1	6445	4.8	10000	
80.85	18.6	5424	10.5	12.4	5631	7.3	6.2	6079	3.9	10000	11
92.20	16.3	5238	8.9	10.8	5478	6.2	5.4	5877	3.3	10000	
103.4	14.5	5875	8.9	9.7	6145	6.2	4.8	6592	3.3	10000	
108.8	13.8	5075	7.3	9.2	5323	5.1	4.6	5735	2.8	10000	
120.0	12.5	5408	7.1	8.3	5650	4.9	4.2	6056	2.6	10000	
138.6	10.8	5699	6.5	7.2	5909	4.5	3.6	6808	2.6	10000	
166.3	9.0	4523	4.3	6.0	4695	3.0	3.0	5404	1.7	10000	
201.0	7.5	4603	3.6	5.0	4846	2.5	2.5	5624	1.5	10000	
EC 4065 - PDA 4065											
220.5	6.8	6254	4.5	4.5	6623	3.1	2.3	7218	1.7	10000	
255.0	5.9	5607	3.5	3.9	5936	2.4	2.0	6476	1.3	10000	
281.3	5.3	6184	3.5	3.6	6546	2.4	1.8	7142	1.3	10000	
315.5	4.8	6937	3.5	3.2	7343	2.4	1.6	8012	1.3	10000	
359.4	4.2	6696	2.9	2.8	7045	2.1	1.4	7629	1.1	10000	
415.7	3.6	6001	2.3	2.4	6318	1.6	1.2	6852	0.86	10000	
451.1	3.3	5815	2.0	2.2	6567	1.5	1.1	8085	0.94	10000	
498.3	3.0	6424	2.0	2.0	7255	1.5	1.0	7903	0.83	10000	
576.4	2.6	6257	1.7	1.7	6570	1.2	0.87	7105	0.65	10000	
635.7	2.4	6901	1.7	1.6	7246	1.2	0.79	7836	0.65	10000	
713.1	2.1	7741	1.7	1.4	8128	1.2	0.70	8791	0.65	10000	
823.4	1.8	7820	1.5	1.2	8472	1.1	0.61	9682	0.62	10000	7
892.9	1.7	7513	1.3	1.1	7794	0.91	0.56	9031	0.53	10000	
1018	1.5	7603	1.2	0.98	8012	0.82	0.49	9281	0.48	10000	
1149	1.3	5199	0.71	0.87	5338	0.49	0.44	5579	0.25	10000	
1220	1.2	7729	1.0	0.82	8332	0.72	0.41	9635	0.41	10000	
1412	1.1	7876	0.88	0.71	8594	0.64	0.35	9926	0.37	10000	
1594	0.94	5311	0.52	0.63	5451	0.36	0.31	5694	0.19	10000	
1840	0.82	6133	0.52	0.54	6295	0.36	0.27	6575	0.19	10000	
1861	0.81	6874	0.58	0.54	7520	0.42	0.27	8717	0.25	10000	
2136	0.70	7118	0.52	0.47	7305	0.36	0.23	7631	0.19	10000	
2581	0.58	7391	0.45	0.39	8069	0.33	0.19	9221	0.19	10000	
3097	0.48	7817	0.40	0.32	8449	0.29	0.16	9623	0.16	10000	

Tutti i rapporti evidenziati (es. 10.50) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.
All ratios grey highlighted (ex. 10.50) have specific dimensions of the bevel gear set in some versions; see dimensional tables.
Alle mit (es. 10.50) gekennzeichneten Übersetzungen haben in bestimmten Versionen besondere Dimensionen des Kegelradtriebs. Siehe auch Dimensionstabellen.
Les rapports repérés par (es. 10.50) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.
Todas las relaciones indicadas con (es. 10.50) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.
As relações marcadas com (es. 10.50) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

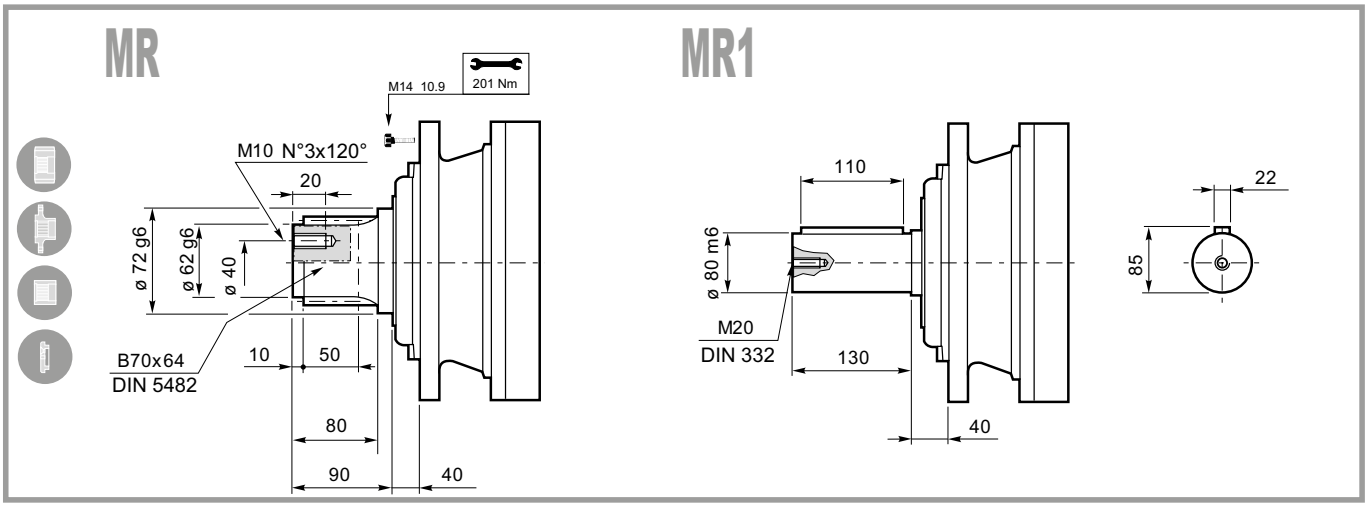
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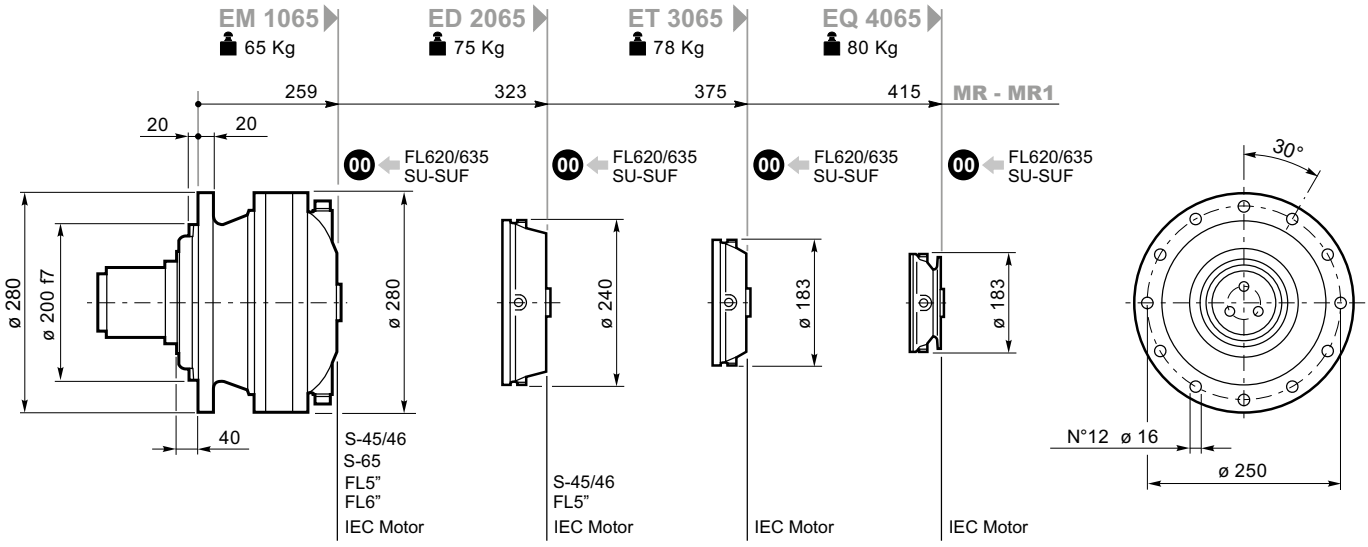


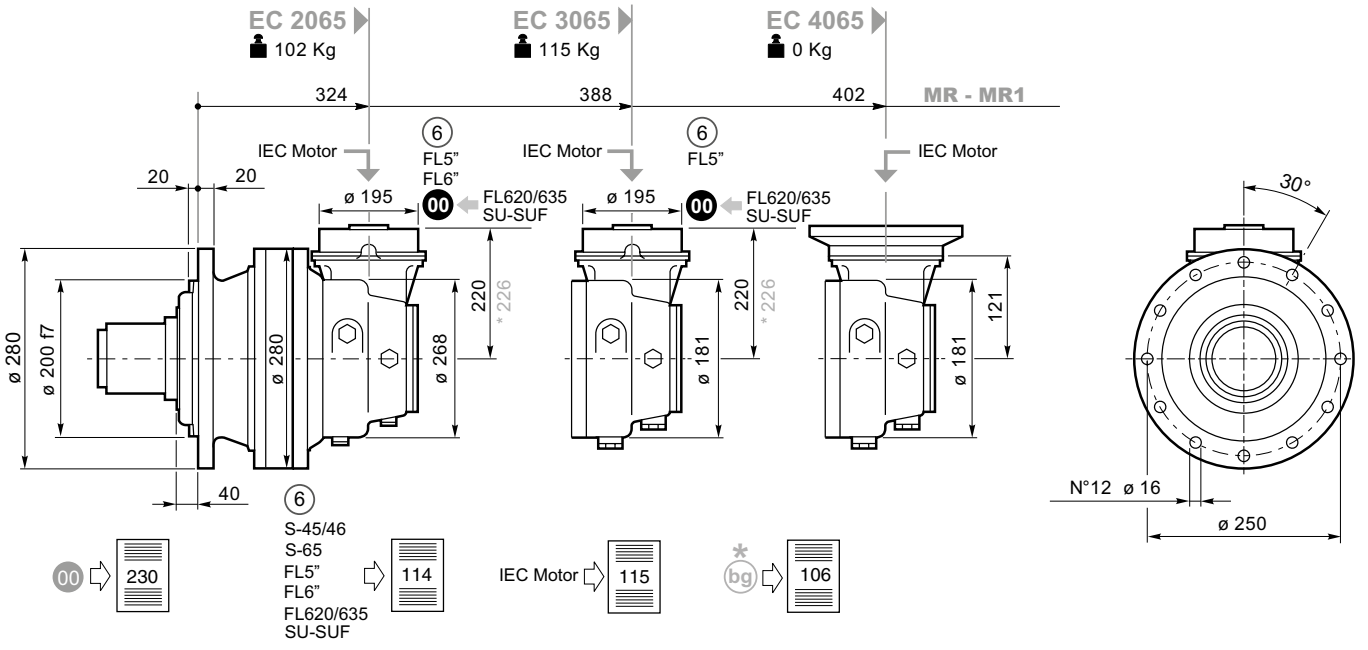
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EC 2065 - PDA 2065											
10.50	143	4183	63	95	4724	47.1	47.6	5817	29.0	10000	
11.58	130	4614	63	86	5210	47.1	43.2	6415	29.0	10000	
12.99	115	5175	63	77	5845	47.1	38.5	6698	27.0	10000	
16.17	93	2796	27.2	62	3157	20.5	30.9	3887	12.6	10000	14
17.83	84	3083	27.2	56	3482	20.5	28.0	4287	12.6	10000	
20.00	75	3459	27.2	50.0	3906	20.5	25.0	4809	12.6	10000	
23.10	65	3994	27.2	43.3	4511	20.5	21.6	5553	12.6	10000	
27.72	54	4526	25.6	36.1	4728	17.9	18.0	5511	10.4	10000	
EC 3065 - PDA 3065											
40.53	37.0	7004	27.1	24.7	7629	19.7	12.3	8775	11.3	10000	
45.47	33.0	6924	23.9	22.0	7538	17.4	11.0	8668	10.0	10000	
49.80	30.1	7822	24.7	20.1	8419	17.7	10.0	9781	10.3	10000	
56.60	26.5	7544	20.9	17.7	8057	14.9	8.8	9355	8.7	10000	
62.42	24.0	7670	19.3	16.0	8330	14.0	8.0	9547	8.0	10000	
70.02	21.4	7579	17.0	14.3	8230	12.3	7.1	9430	7.1	10000	
80.85	18.6	7162	13.9	12.4	7780	10.1	6.2	8921	5.8	10000	11
92.20	16.3	6241	10.6	10.8	6558	7.4	5.4	7636	4.3	10000	
103.4	14.5	7001	10.6	9.7	7356	7.4	4.8	8566	4.3	10000	
108.8	13.8	6119	8.8	9.2	6394	6.2	4.6	7087	3.4	10000	
120.0	12.5	6450	8.4	8.3	6742	5.9	4.2	7851	3.4	10000	
138.6	10.8	7449	8.4	7.2	7786	5.9	3.6	9066	3.4	10000	
166.3	9.0	6371	6.0	6.0	6915	4.4	3.0	7923	2.5	10000	
201.0	7.5	6621	5.2	5.0	7180	3.7	2.5	8217	2.1	10000	
EC 4065 - PDA 4065											
220.5	6.8	7700	5.5	4.5	8106	3.9	2.3	9136	2.2	10000	
255.0	5.9	6954	4.3	3.9	7317	3.0	2.0	8230	1.7	10000	
281.3	5.3	7670	4.3	3.6	8070	3.0	1.8	9077	1.7	10000	
315.5	4.8	8604	4.3	3.2	9053	3.0	1.6	10000	1.7	10000	
359.4	4.2	8187	3.6	2.8	8679	2.5	1.4	9732	1.4	10000	
415.7	3.6	7390	2.8	2.4	7808	2.0	1.2	9283	1.2	10000	
451.1	3.3	9893	3.4	2.2	10000	2.3	1.1	10000	1.2	10000	
498.3	3.0	8505	2.7	2.0	9415	2.0	1.0	9904	1.0	10000	
576.4	2.6	7674	2.1	1.7	8487	1.5	0.87	9753	0.89	10000	
635.7	2.4	8464	2.1	1.6	9361	1.5	0.79	10000	0.83	10000	
713.1	2.1	9494	2.1	1.4	10000	1.5	0.70	10000	0.73	10000	
823.4	1.8	10000	1.9	1.2	10000	1.3	0.61	10000	0.64	10000	7
892.9	1.7	10000	1.8	1.1	10000	1.2	0.56	10000	0.59	10000	
1018	1.5	10000	1.6	0.98	10000	1.0	0.49	10000	0.51	10000	
1149	1.3	5841	0.80	0.87	5998	0.55	0.44	6671	0.30	10000	
1220	1.2	10000	1.3	0.82	10000	0.86	0.41	10000	0.43	10000	
1412	1.1	10000	1.2	0.71	10000	0.74	0.35	10000	0.37	10000	
1594	0.94	5967	0.59	0.63	6307	0.41	0.31	7012	0.23	10000	
1840	0.82	6890	0.59	0.54	7283	0.41	0.27	8097	0.23	10000	
1861	0.81	9458	0.80	0.54	9712	0.55	0.27	10000	0.28	10000	
2136	0.70	7996	0.59	0.47	8452	0.41	0.23	9397	0.23	10000	
2581	0.58	9662	0.59	0.39	10000	0.41	0.19	10000	0.20	10000	
3097	0.48	10000	0.50	0.32	10000	0.34	0.16	10000	0.17	10000	

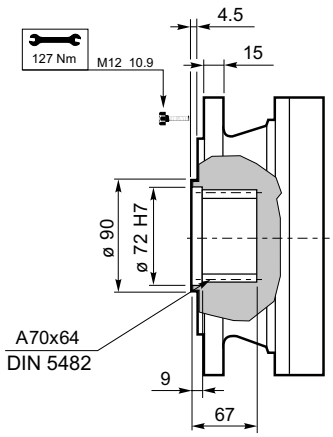
Tutti i rapporti evidenziati (es. 10.50) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.
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Les rapports repérés par (es. 10.50) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.
Todas las relaciones indicadas con (es. 10.50) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.
As relações marcadas com (es. 10.50) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

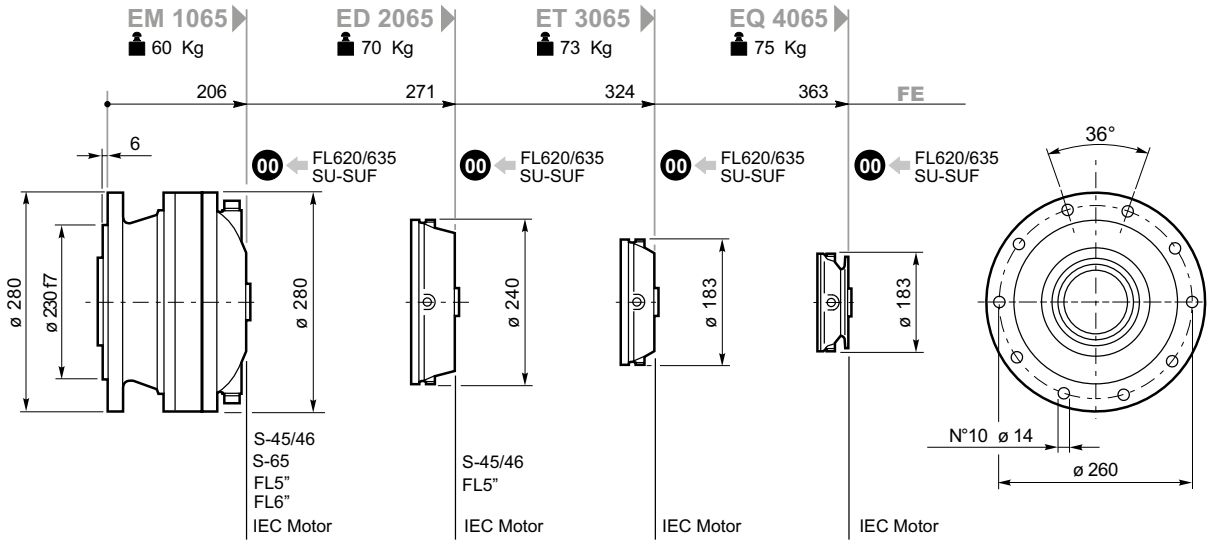
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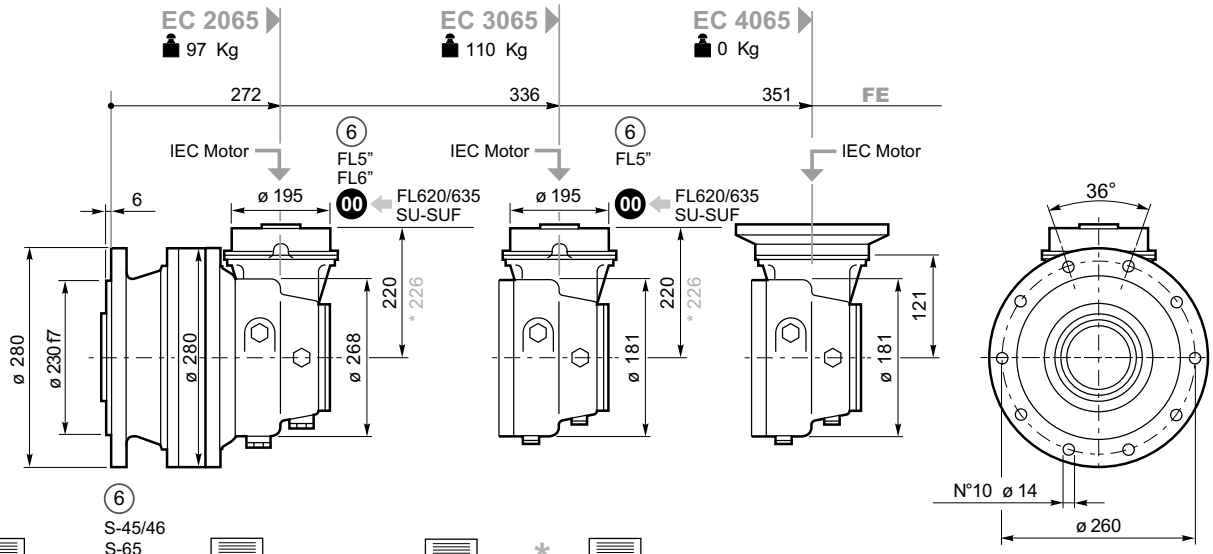

MR
MR1
M14 10.9
201 Nm
M10 N°3x120°
20
ø 72 g6
ø 62 g6
ø 40
B70x64
DIN 5482
10
50
80
90
40
110
ø 80 m6
M20
DIN 332
130
40
22
85


EM 1065
65 Kg
ED 2065
75 Kg
ET 3065
78 Kg
EQ 4065
80 Kg
259
323
375
415
MR - MR1
20
20
00 FL620/635 SU-SUF
ø 280
ø 200 f7
ø 280
ø 240
ø 183
ø 183
40
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
IEC Motor
30°
N°12 ø 16
ø 250

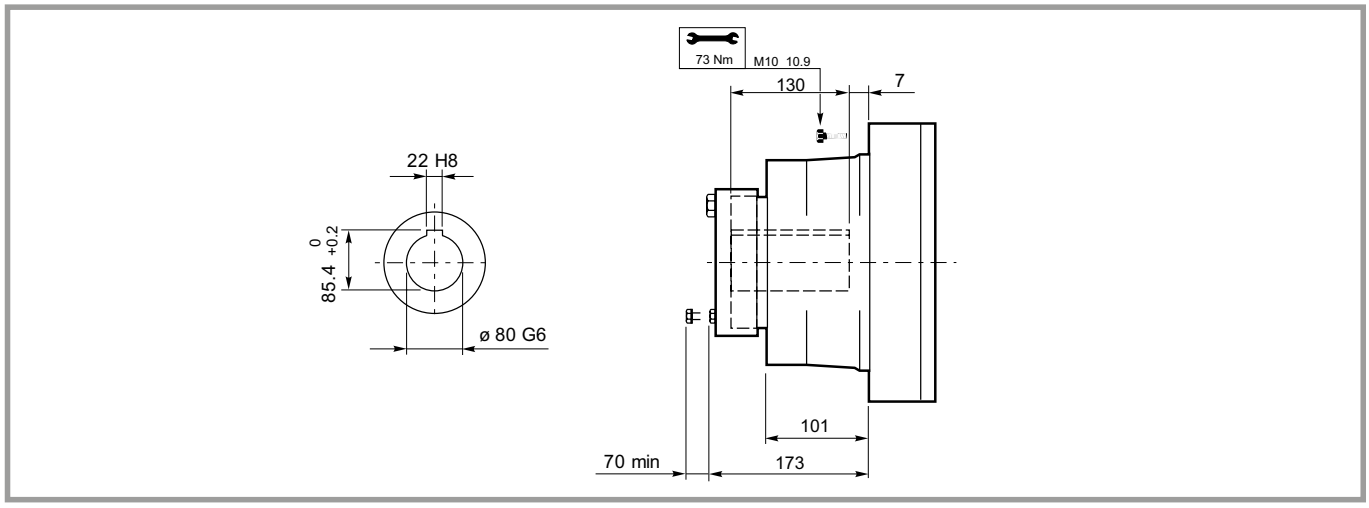

EC 2065
102 Kg
EC 3065
115 Kg
EC 4065
0 Kg
324
388
402
MR - MR1
IEC Motor
6
FL5"
FL6"
IEC Motor
6
FL5"
IEC Motor
20
20
ø 195
00 FL620/635 SU-SUF
ø 195
00 FL620/635 SU-SUF
ø 280
ø 200 f7
ø 280
ø 268
220
* 226
ø 181
220
* 226
ø 181
121
40
6
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
00 230
114
IEC Motor 115
bg 106
30°
N°12 ø 16
ø 250

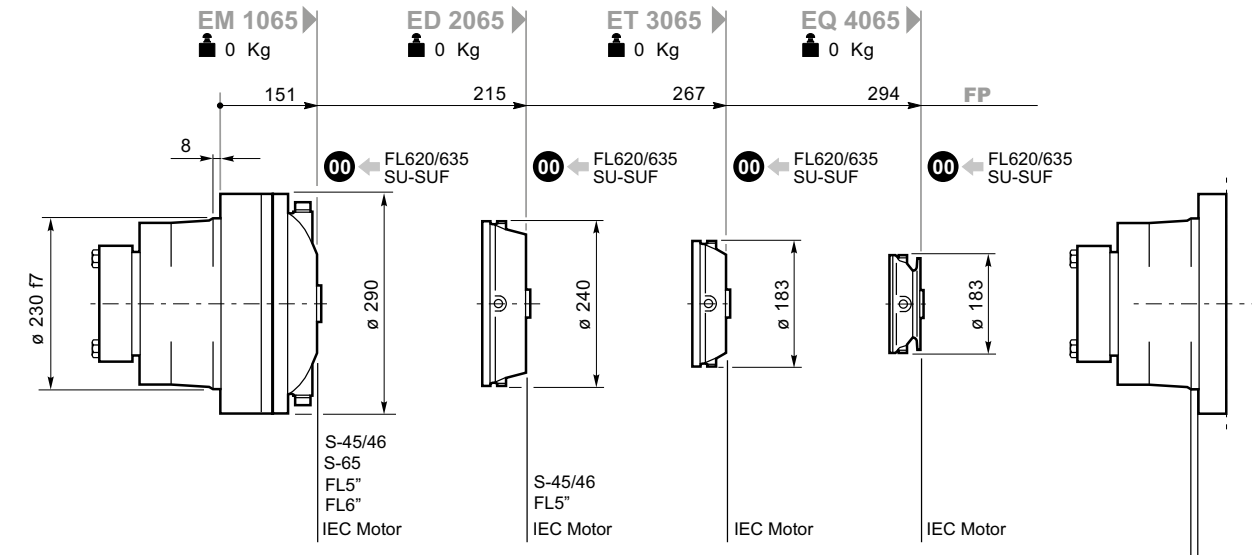


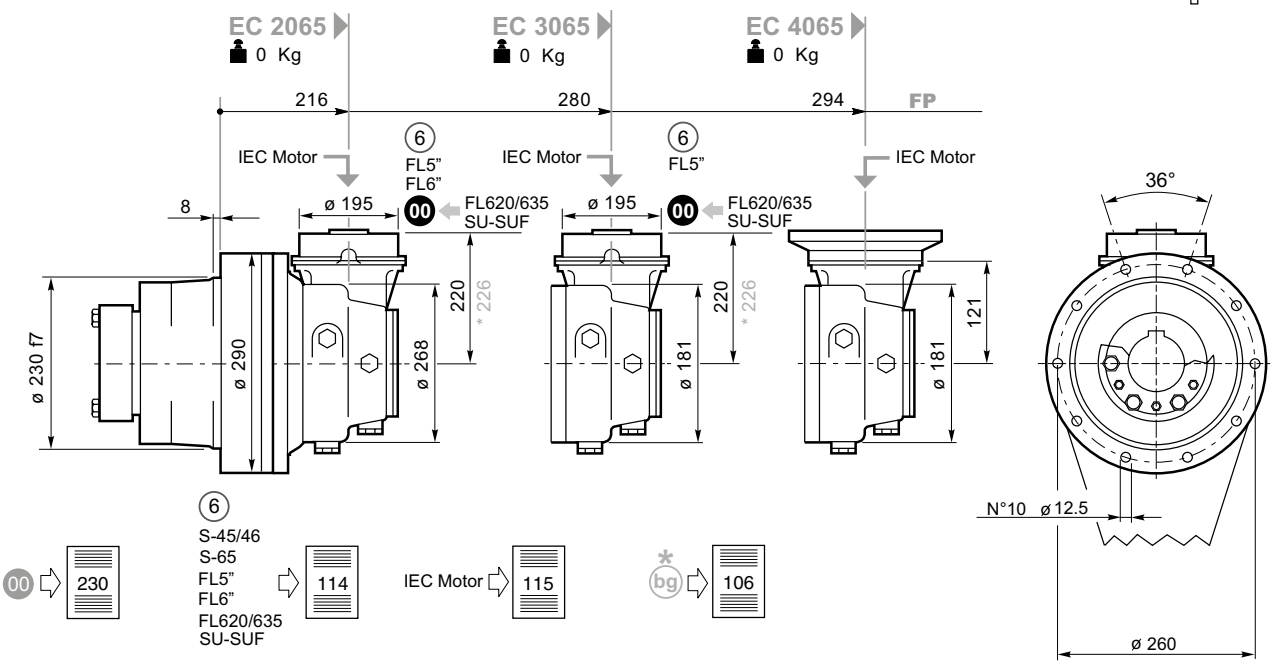


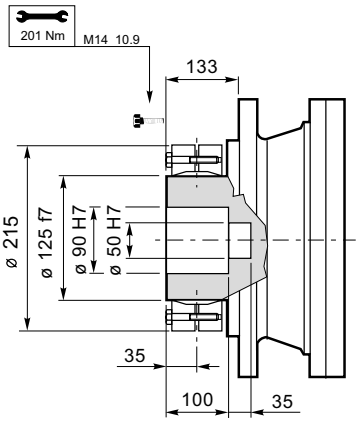


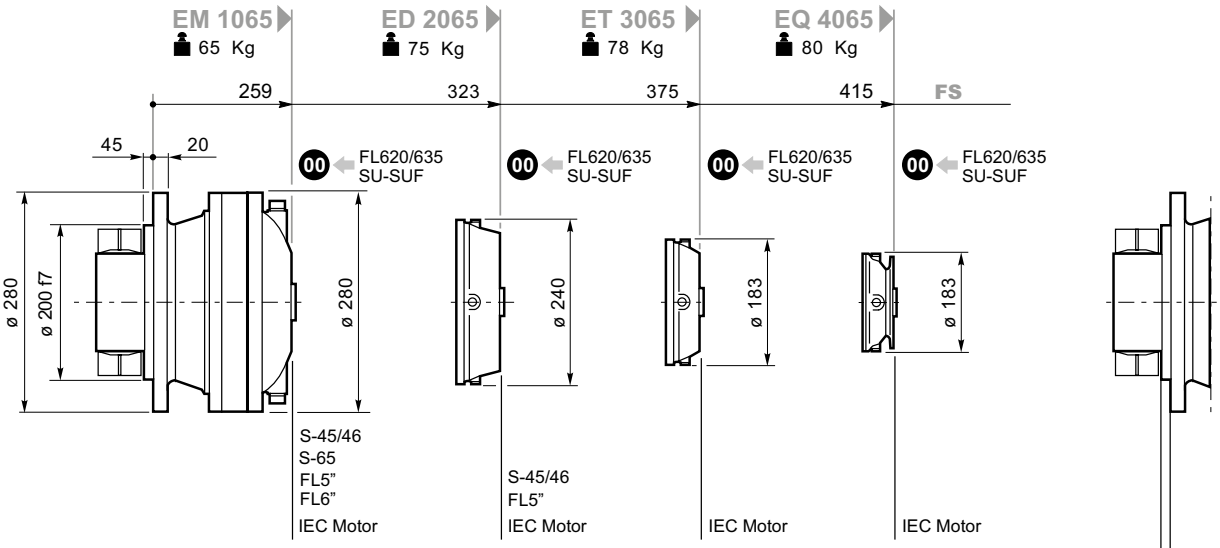
00 230
6 S-45/46 S-65 FL5" FL6" FL620/635 SU-SUF 114
IEC Motor 115
* bg 106

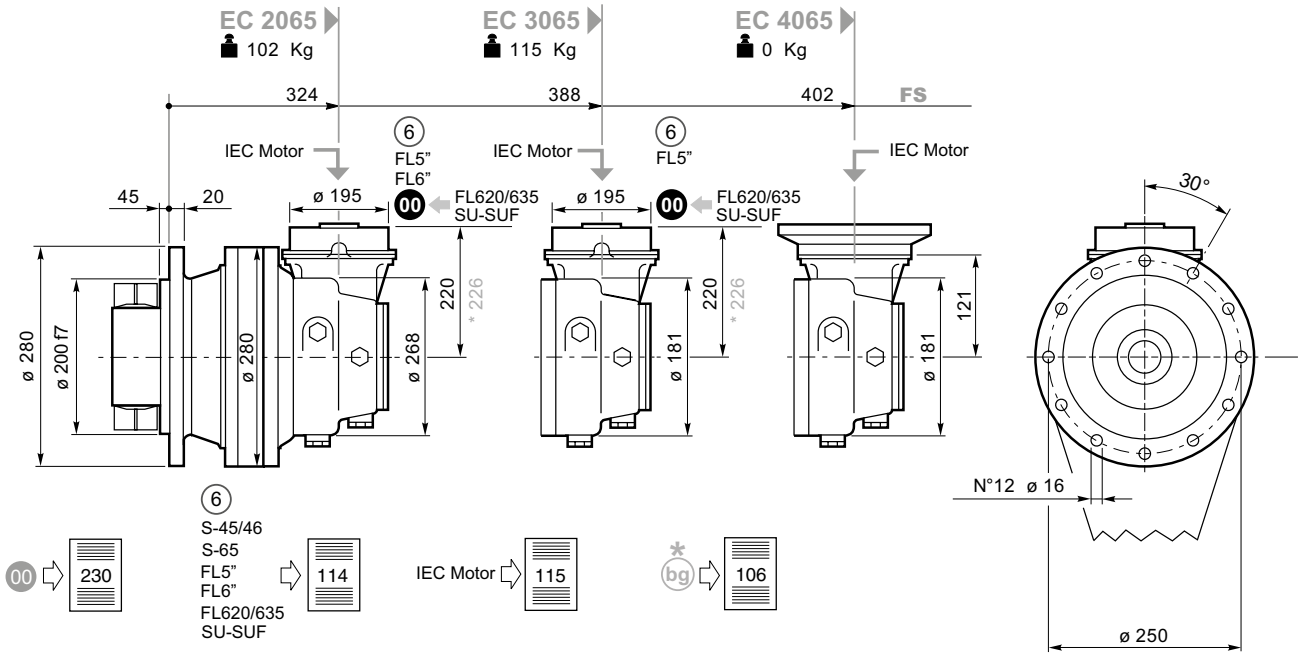

73 Nm
M10 10.9
130
7
22 H8
85.4 +0.2 0
ø 80 G6
101
70 min
173

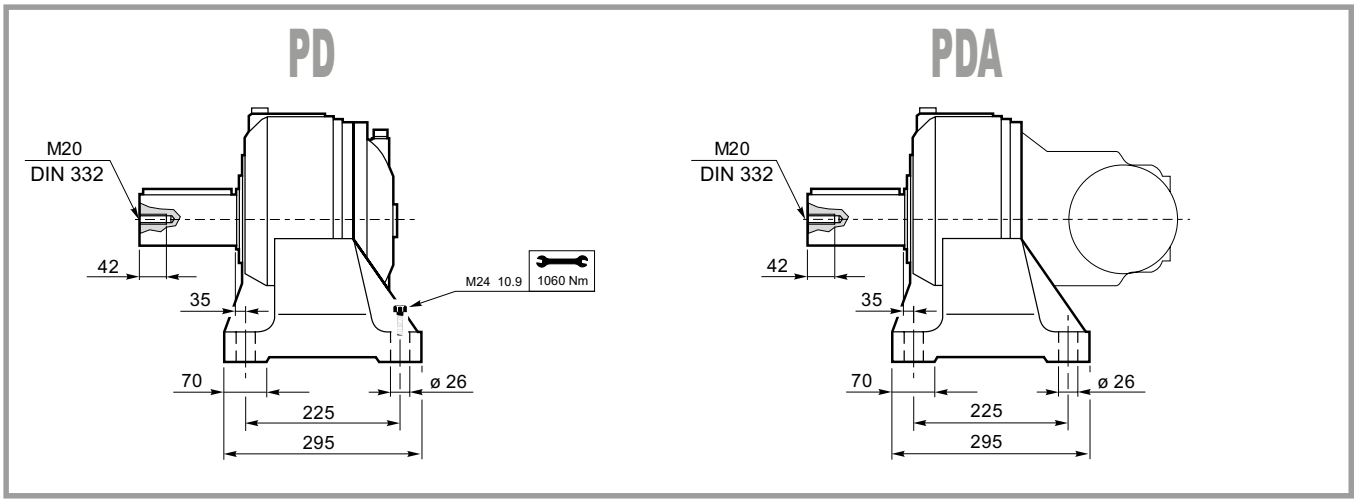

EM 1065
0 Kg
ED 2065
0 Kg
ET 3065
0 Kg
EQ 4065
0 Kg
151
215
267
294
FP
8
00 FL620/635 SU-SUF
ø 230 f7
ø 290
ø 240
ø 183
ø 183
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
IEC Motor

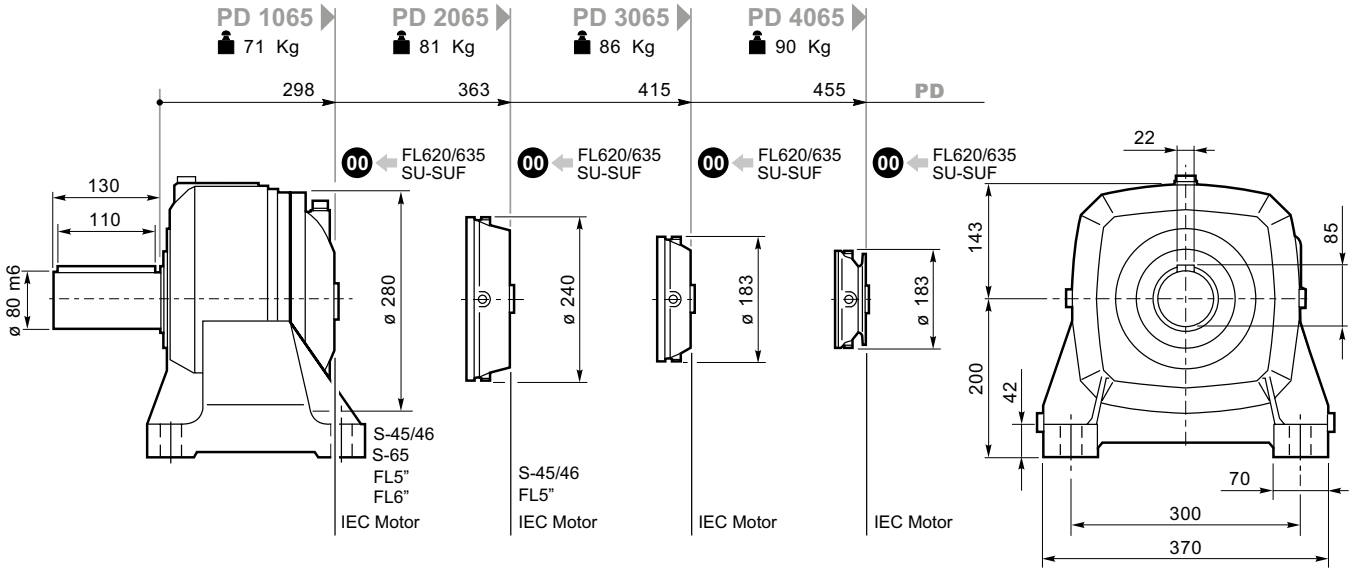

EC 2065
0 Kg
EC 3065
0 Kg
EC 4065
0 Kg
216
280
294
FP
IEC Motor
6
FL5"
FL6"
IEC Motor
6
FL5"
IEC Motor
8
ø 195
00 FL620/635 SU-SUF
ø 195
00 FL620/635 SU-SUF
ø 230 f7
ø 290
ø 268
220
* 226
ø 181
220
* 226
ø 181
121
36°
N°10 ø 12.5
ø 260
6
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
114
00
230
IEC Motor
115
bg
106

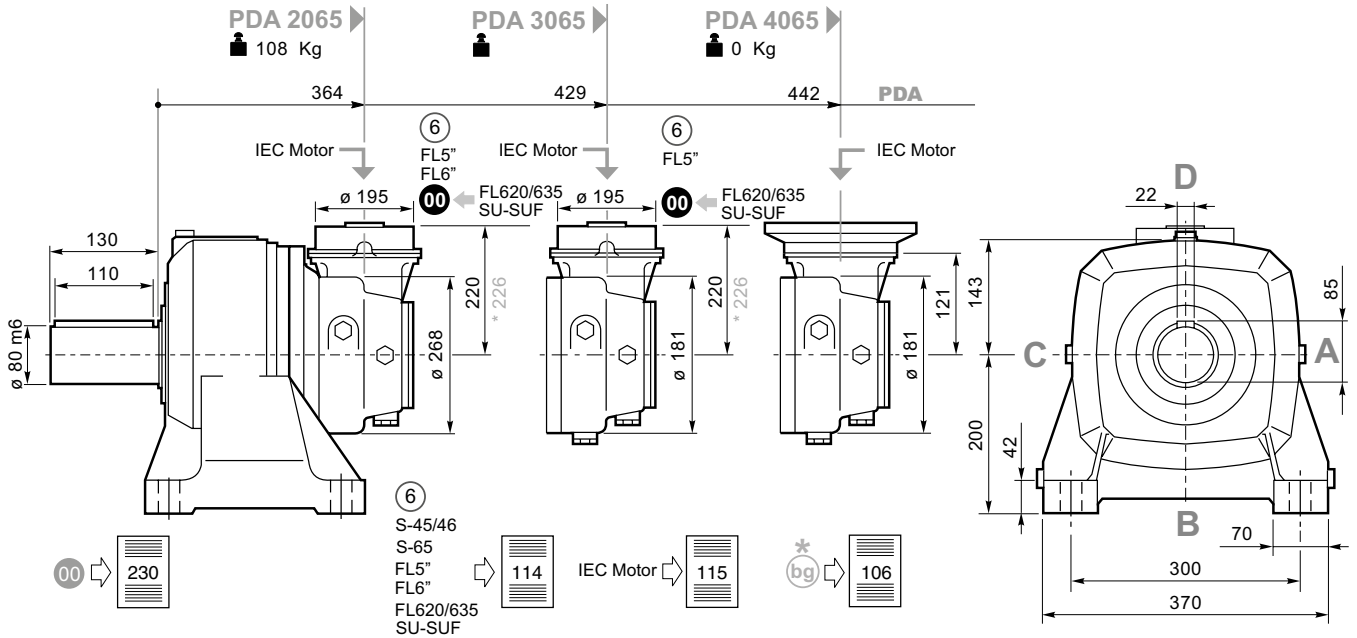

201 Nm
M14 10.9
133
ø 215
ø 125 f7
ø 90 H7
ø 50 H7
35
100
35


EM 1065
65 Kg
ED 2065
75 Kg
ET 3065
78 Kg
EQ 4065
80 Kg
259
323
375
415
FS
45
20
00 FL620/635 SU-SUF
ø 280
ø 200 f7
ø 280
ø 240
ø 183
ø 183
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
IEC Motor


EC 2065
102 Kg
EC 3065
115 Kg
EC 4065
0 Kg
324
388
402
FS
IEC Motor
6
FL5"
FL6"
IEC Motor
6
FL5"
IEC Motor
45
20
ø 195
00 FL620/635 SU-SUF
ø 195
00 FL620/635 SU-SUF
ø 280
ø 200 f7
ø 280
ø 268
220
* 226
ø 181
220
* 226
ø 181
121
30°
N°12 ø 16
ø 250
6
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
00 230
114
IEC Motor 115
* bg 106


PD
PDA
M20
DIN 332
42
35
M24 10.9
1060 Nm
70
225
295
ø 26


PD 1065
71 Kg
PD 2065
81 Kg
PD 3065
86 Kg
PD 4065
90 Kg
298
363
415
455
PD
00 FL620/635 SU-SUF
130
110
ø 80 m6
ø 280
ø 240
ø 183
ø 183
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
IEC Motor
22
143
85
200
42
70
300
370

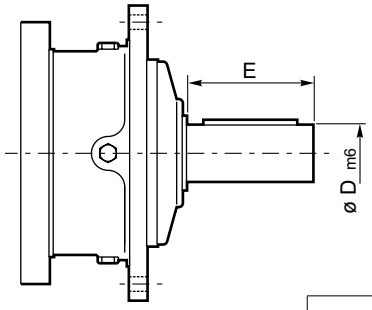

PDA 2065
108 Kg
PDA 3065
PDA 4065
0 Kg
364
429
442
PDA
IEC Motor
6
FL5"
FL6"
IEC Motor
6
FL5"
IEC Motor
ø 195
00 FL620/635 SU-SUF
ø 195
00 FL620/635 SU-SUF
130
110
ø 80 m6
220
* 226
ø 268
220
* 226
ø 181
ø 181
121
D
22
143
85
C
A
200
42
B
70
300
370
00 230
6
S-45/46
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SU-SUF
114
IEC Motor 115
bg 106

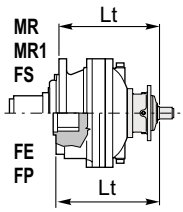
DANA BREVINI®

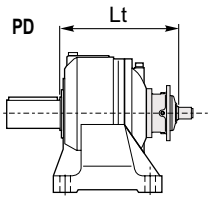
Motion Systems

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S45CR1-S46C1 S65CR1

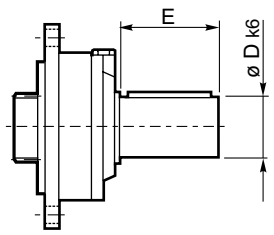




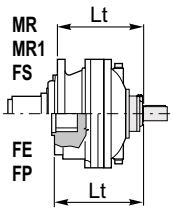


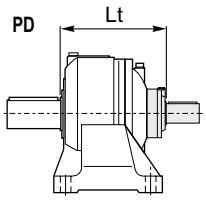
	D m6	E		Lt			
				MR-MR1-FS	FE	FP	PD
S45 CR1	65	105	**EM 1065**	386	334	278	426
			ED 2065	386	334	278	426
S46 C1	65	105	**EM 1065**	427	375	319	467
			ED 2065	318	375	319	467
S65 CR1	80	130	**EM 1065**	425	373	317	465

SU2

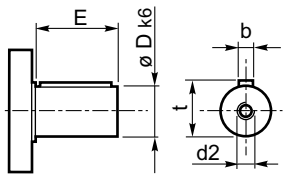


	D k6	E		Lt				
				MR MR1	FE	FS	FP	PD
SU 2	40	58	**EM 1065**	319	266	318	211	358
			ED 2065	383	331	383	275	423
			ET 3065	435	384	435	327	475
			EQ 4065	475	423	462	354	515

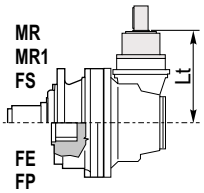


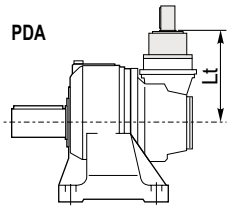


⑥ 48.82



	D	E		Lt
				MR-MR1-FS-FE-FP-PDA
48.82	48	82	**EC 2065**	280
			EC 3065	280





Per le configurazioni in entrata: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" è disponibile a richiesta il dispositivo antiritorno; per ulteriori informazioni e dati tecnici consultare il referente DANA di zona.

Anti-run back device is available for following input settings: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5"; for further information and technical data please consult the DANA area contact person.

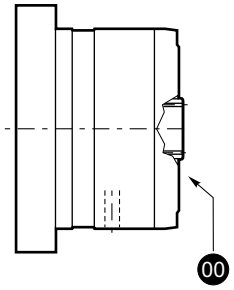
Für die Antriebskonfigurationen: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" ist auf Anfrage eine Rücklaufsperre verfügbar. Weitere Informationen und die Technischen Daten Sich an die DANA Kontaktperson der zone zu wenden.

Pour les configurations d'entrée : S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" le dispositif antidévireur est disponible sur demande ; pour toute information supplémentaire ou toutes données techniques, consulter la personne de référence de la zone DANA.

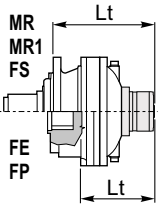
Para las configuraciones en entrada: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" , se encuentra disponible a pedido, el dispositivo antirretrocesos; para ulteriores informaciones y datos técnicos, consulte a la persona de contacto del área de DANA.

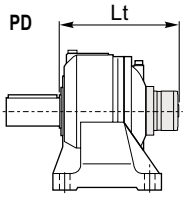
Para as configurações na entrada: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" está disponível, a pedido, o dispositivo contra-recuos; para mais informações e dados técnicos, consulte seu contato local da DANA.

FL250-FL350-FL450 FL650-FL750 FL960



		Lt			
		MR-MR1-FS	FE	FP	PD-PDA
FL250 FL350 FL450	EM 1065	363	312	255	403
	ED 2065	416	365	308	456
	EC 2065	280	280	280	280
	EC 2065*	377	377	377	377
	EC 3065	280	280	280	280
	EC 3065*	377	377	377	377
FL650	EM 1065	376	326	268	416
FL750	ED 2065	429	378	321	469
FL960	EM 1065	—	339	—	—

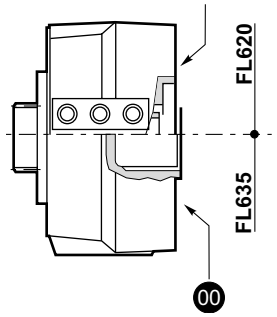




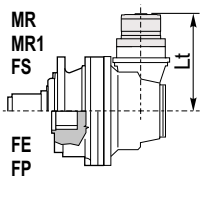
FL620.10
FL635.10

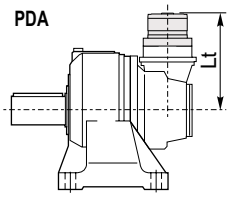
FL620.U-FL635.U

SAE A-AA
Shaft FE



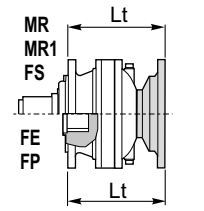
		Lt				
		MR-MR1	FS	FE	FP	PD
FL620.U	EM 1065	363.5	362.5	310.5	255.5	402.5
	ED 2065	427.5	427.5	375.5	319.5	467.5
	ET 3065	479.5	479.5	428.5	371.5	519.5
	EQ 4065	519.5	506.5	467.5	398.5	559.5
	EC 2065	324.5	324.5	324.5	324.5	324.5
	EC 2065*	330.5	330.5	330.5	330.5	330.5
	EC 3065	324.5	324.5	324.5	324.5	324.5
	EC 3065*	330.5	330.5	330.5	330.5	330.5
FL635.U	EM 1065	350	349	297	242	389
	ED 2065	414	414	362	306	454
	ET 3065	466	466	415	358	506
	EQ 4065	506	493	454	385	546
	EC 2065	311	311	311	311	311
	EC 2065*	317	317	317	317	317
	EC 3065	311	311	311	311	311
	EC 3065*	317	317	317	317	317
FL620.10	ET3 065	439	439	388	331	479
	EQ 4065	479	479	428.8	371	519
FL635.10	ET 3065	420	420	369	312	460
	EQ 4065	460	460	408	352	500

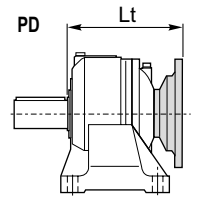


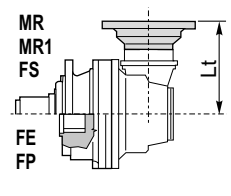


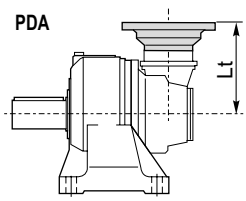
IEC Motor

		Lt							
		IEC 63	IEC 71	IEC 80 90	IEC 100 112	IEC 132	IEC 160 180	IEC 200	IEC 225
EM 1065	MR-MR1-FS	278	280	285	286	353		394	424
EM1065	FE	226	228	233	234	301		342	372
EM 1065	FP								
ED 2065	MR-MR1-FS	343	345	350	351	418	449	459	490
ED 2065	FE	291	293	298	299	366	397	407	438
ED 2065	FP								
ET 3065	MR-MR1-FS	395	397	402	403	470			
ET 3065	FE	344	346	351	352	419			
ET 3065	FP								
EQ 4065	MR-MR1-FS	435	437	442	443	510			
EQ 4065	FE	383	385	390	391	458			
EQ 4065	FP								
PD 1065	PD	318	320	325	326	393	424	434	508
PD 2065	PD	383	385	390	391	458	489	490	530
PD 3065	PD	435	437	442	443	510	541		
PD 4065	PD	475	477	482	483				
EC 2065	MR-MR1-FE-FS-FP-PDA	240	242	247	248	315	346		
EC 2065*	MR-MR1-FE-FS-FP-PDA	246	248	253	254	321	352		
EC 3065	MR-MR1-FE-FS-FP-PDA	240	242	247	248	315	346		
EC 3065*	MR-MR1-FE-FS-FP-PDA	246	248	253	254	321	352		
EC 4065	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238			
EC 4065*	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238			





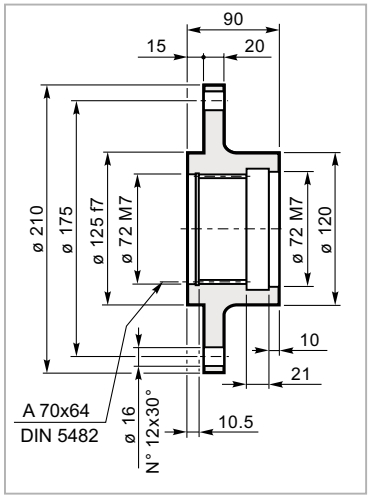




* bg 106

Flangia ruota
Driving flange
Radnabenflansch
Flasque de roue
Brida de la rueda
Flange de roda

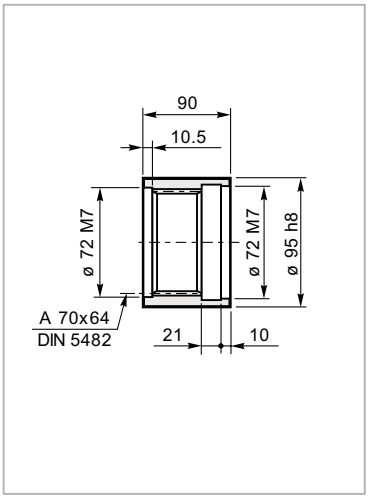
FR 065



Mat. C40 UNI EN 10083
Code: 37202031800

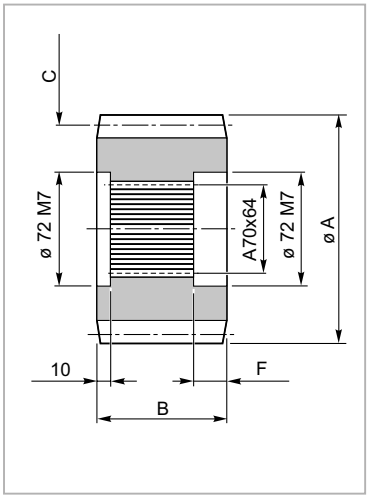
Manicotto scanalato
Splined bush
Keilmuffe
Manchon cannelée
Manguito acanalado
Luva ranhurada

MS 065



Mat. 39NiCrMo3 UNI EN 10083
Code: 39102440600

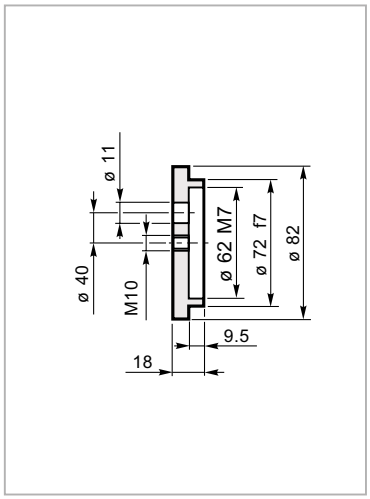
Pignoni
Pinion
Ritzel
Pignon
Piñones
Pinhões



code	A	B	C	F
335.0463.0600	136	90	M=8 Z=15 —	31
335.2063.0600	160	90	M=10 Z=13 X=0.5	31
335.3033.0600	165	90	M=10 Z=13 X=0.95	31
335.3533.0600	149	90	M=10 Z=12 X=0.5	31

Rondella di fermo
Shaft cover
Gegenscheibe
Rondelle frein
Arandela de bloqueo
Amuela de encosto

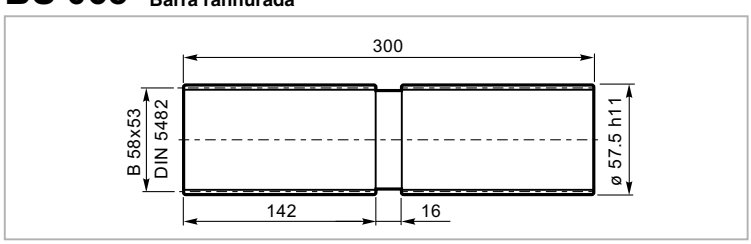
RDF 065



Mat. C40 UNI EN 10083
Code: 37201440800

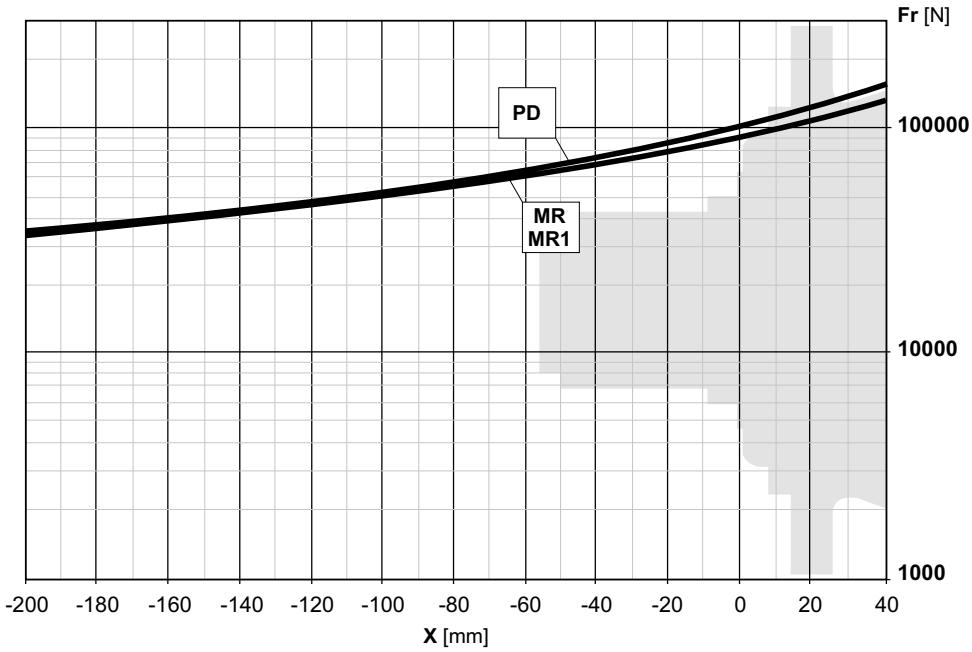
Barra scanalata
Splined bar
Zugspindel
Barre cannelée
Barra acanalada
Barra ranhurada

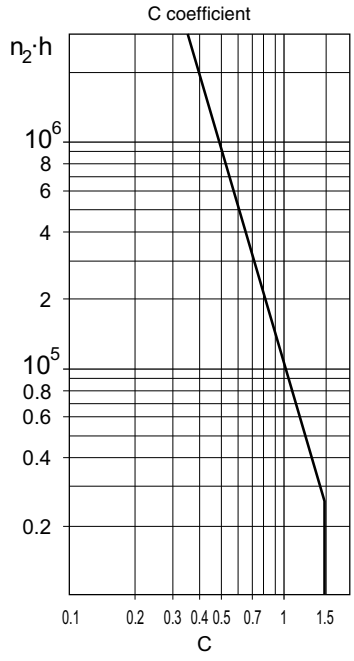
BS 065



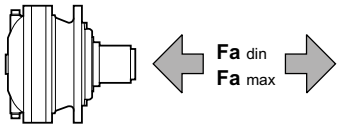
Code: 39127030100
Mat.: Acciaio legato ad elevata resistenza meccanica
Alloyed steel with high mechanical resistance
Legierungsstahl mit hoher mechanischer Festigkeit
Alliage d'acier à haute résistance mécanique
Aleación de acero de elevada resistencia mecánica
Aço ligado de elevada resistência mecânica

Carichi radiali sugli alberi uscita / Radial loads on ouput shafts
Radiallasten auf de Abtriebswellen / Charges radiales sur les arbres de sortie
Cargas sobre los ejes de salida / Cargas radiais nos eixos de saida



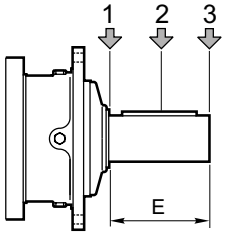


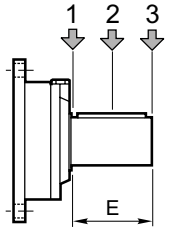
Carichi assiali / Axial loads / Axialkräfte / Charges axiales / Cargas axiales / Forças axiais



		Flange mounted		PD-PDA
		MN-MN1	MR-MR1	MR1
Fadin	[N]	—	50000	30000
Famax	[N]	—	90000	30000

Carichi radiali sugli alberi entrata / Radial loads on input shafts
Radiallasten auf de Antriebswellen / Charges radiales sur les arbres d' entrée
Cargas sobre los ejes de entrada / Cargas radiais nos eixos de entrada





Type	E	**Fr** [N]					
		$n_1 . h = 10^7$			$n_1 . h = 10^8$		
		1	**2**	**3**	**1**	**2**	**3**
S45 CR1	105	10000	6000	4000	5000	3000	2000
S46 C1	105	14000	8800	6400	7000	4400	3200
S65 CR1	130	23800	15500	9600	11900	7800	4800

Type	E	**Fr** [N]					
		$n_1 . h = 10^7$			$n_1 . h = 10^8$		
		1	**2**	**3**	**1**	**2**	**3**
SU2	58	3000	2000	1500	1400	1000	700