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.

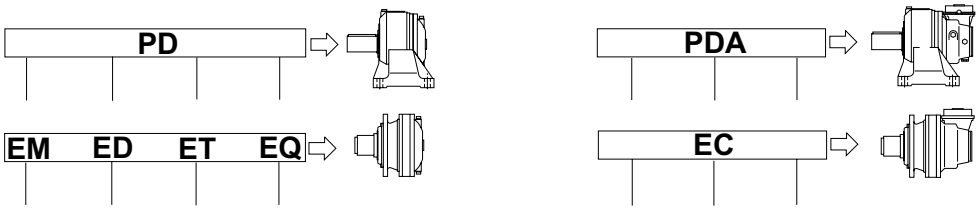
1. DESCRIZIONE RIDUTTORI

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

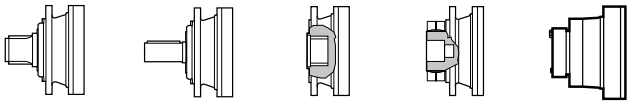
020, 010, 020, 010, 020, 010

MR

Configurazione uscita
Output configuration
Abtriebsanordnung

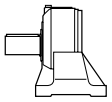
Versione con flangia / Flanged version / Version mit flansch

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**

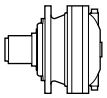
7. DATI TECNICI E TAVOLE DIMENSIONALI
TECHNICAL DATA AND DIMENSIONAL DRAWINGS
TECHNISCHE DATEN UND MASSBILDER
CARACTERISTIQUES TECHNIQUES ET PLANCHES DES DIMENSIONS
DATOS TÉCNICOS Y DISEÑOS DIMENSIONALES
DADOS TÉCNICOS E TABELAS DIMENSIONAIS



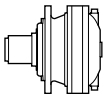
Serie Standard / Standard Series
Serie Standard / Série Standard
Serie Standard / Série Standard

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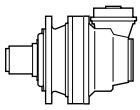
Type	i_{eff}	T_N [Nm]			
010	3.38 - 3282	1000	B40x36 DIN5482	42	34
020	3.08 - 3235	2100	B58x53 DIN5482	65	46
030	15.37 - 3097	3800	B58x53 DIN5482	65	60
040	15.37 - 3170	3800	B58x53 DIN5482	65	72
045	3.50 - 3301	3800	B58x53 DIN5482	65	80
046	3.50 - 3301	3800	B58x53 DIN5482	65	94
065	3.50 - 3170	6400	B70x64 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 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	
4.13	363	1005	38.2	242	1135	28.8	121	1397	17.7	2800	
5.17	290	1045	31.8	193	1159	23.5	97	1287	13.0	2800	20
6.00	250	1001	26.2	167	1077	18.8	83	1187	10.4	2800	
7.25	207	863	18.7	138	924	13.3	69	1015	7.3	2800	
ED 2020											
10.41	144	1263	19.1	96	1427	14.4	48.0	1756	8.8	2800	
11.83	127	1401	18.6	85	1582	14.0	42.3	1948	8.6	2800	
13.52	111	1329	15.4	74	1501	11.6	37.0	1848	7.2	2800	
15.37	98	1510	15.4	65	1705	11.6	32.5	2036	6.9	2800	
18.13	83	1566	13.6	55	1715	9.9	27.6	1840	5.3	2800	
21.00	71	1445	10.8	47.6	1585	7.9	23.8	1787	4.5	2800	
22.70	66	1348	9.3	44.1	1411	6.5	22.0	1515	3.5	2800	12
24.78	61	1697	10.8	40.4	1772	7.5	20.2	1895	4.0	2800	
28.66	52	1600	8.8	34.9	1683	6.2	17.4	1890	3.5	2800	
31.02	48.4	1397	7.1	32.2	1458	4.9	16.1	1561	2.6	2800	
35.88	41.8	1419	6.2	27.9	1480	4.3	13.9	1582	2.3	2800	
41.64	36.0	1305	4.9	24.0	1360	3.4	12.0	1453	1.8	2800	
50.32	29.8	1116	3.5	19.9	1164	2.4	9.9	1246	1.3	2800	
ET 3020											
59.36	25.3	2071	5.5	16.8	2276	4.0	8.4	2514	2.2	2800	
61.28	24.5	1861	4.8	16.3	1933	3.3	8.2	2078	1.8	2800	
70.98	21.1	2121	4.7	14.1	2201	3.2	7.0	2471	1.8	2800	
82.10	18.3	2150	4.1	12.2	2229	2.8	6.1	2545	1.6	2800	
92.19	16.3	2172	3.7	10.8	2259	2.6	5.4	2606	1.5	2800	
106.6	14.1	2201	3.2	9.4	2329	2.3	4.7	2683	1.3	2800	
108.8	13.8	1963	2.8	9.2	2035	2.0	4.6	2341	1.1	2800	
126.0	11.9	1963	2.4	7.9	2062	1.7	4.0	2228	0.93	2800	
145.7	10.3	1999	2.2	6.9	2097	1.5	3.4	2263	0.81	2800	
161.3	9.3	2333	2.3	6.2	2536	1.6	3.1	2800	0.91	2800	
172.0	8.7	2049	1.9	5.8	2231	1.4	2.9	2567	0.78	2800	
198.9	7.5	2113	1.7	5.0	2221	1.2	2.5	2401	0.63	2800	
220.5	6.8	2099	1.5	4.5	2196	1.0	2.3	2364	0.56	2800	
260.2	5.8	2235	1.3	3.8	2428	0.98	1.9	2785	0.56	2800	
289.0	5.2	1583	0.86	3.5	1727	0.63	1.7	1994	0.36	2800	
325.7	4.6	1833	0.88	3.1	1995	0.64	1.5	2297	0.37	2800	
EQ 4020											
360.4	4.2	2748	1.2	2.8	2800	0.82	1.4	2800	0.41	2800	
404.7	3.7	2800	1.1	2.5	2800	0.73	1.2	2800	0.35	2800	
468.1	3.2	2800	0.94	2.1	2800	0.62	1.1	2800	0.32	2800	
502.5	3.0	2554	0.80	2.0	2766	0.58	0.99	2800	0.29	2800	
569.8	2.6	2800	0.76	1.8	2800	0.53	0.88	2800	0.26	2800	
639.8	2.3	2800	0.67	1.6	2800	0.47	0.78	2800	0.23	2800	
708.2	2.1	2800	0.62	1.4	2800	0.41	0.71	2800	0.21	2800	
835.7	1.8	2800	0.53	1.2	2800	0.35	0.60	2800	0.18	2800	
892.1	1.7	2800	0.50	1.1	2800	0.32	0.56	2800	0.16	2800	
1032	1.5	2800	0.44	0.97	2800	0.28	0.48	2800	0.14	2800	
1120	1.3	2800	0.38	0.89	2800	0.26	0.45	2800	0.13	2800	4
1323	1.1	2659	0.32	0.76	2789	0.22	0.38	2800	0.11	2800	
1380	1.1	2641	0.30	0.72	2800	0.21	0.36	2800	0.11	2800	
1561	0.96	2800	0.28	0.64	2800	0.19	0.32	2800	0.09	2800	
1806	0.83	2800	0.24	0.55	2800	0.16	0.28	2800	0.08	2800	
1999	0.75	2800	0.22	0.50	2800	0.15	0.25	2800	0.07	2800	
2315	0.65	2800	0.19	0.43	2800	0.13	0.22	2800	0.06	2800	
2615	0.57	2783	0.17	0.38	2800	0.11	0.19	2800	0.06	2800	
2732	0.55	2800	0.16	0.37	2800	0.11	0.18	2800	0.05	2800	
3160	0.47	2800	0.14	0.32	2800	0.09	0.16	2800	0.05	2800	



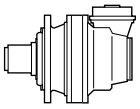
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EM 1020											
3.08	487	1570	80	325	1773	60	162	2117	36.0	2800	
3.50	429	1683	76	286	1837	55	143	2045	30.6	2800	
4.13	363	1549	59	242	1678	42.6	121	1857	23.5	2800	
5.17	290	1304	39.6	193	1401	28.4	97	1539	15.6	2800	20
6.00	250	1219	31.9	167	1301	22.7	83	1421	12.4	2800	
7.25	207	1058	22.9	138	1123	16.2	69	1223	8.8	2800	
ED 2020											
10.41	144	2151	32.5	96	2258	22.7	48.0	2616	13.2	2800	
11.83	127	2077	27.6	85	2177	19.3	42.3	2502	11.1	2800	
13.52	111	2180	25.3	74	2311	17.9	37.0	2464	9.5	2800	
15.37	98	2142	21.9	65	2275	15.5	32.5	2644	9.0	2800	
18.13	83	1942	16.8	55	2046	11.8	27.6	2378	6.9	2800	
21.00	71	1829	13.7	47.6	1980	9.9	23.8	2200	5.5	2800	
22.70	66	1608	11.1	44.1	1679	7.7	22.0	1956	4.5	2800	12
24.78	61	2008	12.7	40.4	2193	9.3	20.2	2537	5.4	2800	
28.66	52	1967	10.8	34.9	2118	7.7	17.4	2344	4.3	2800	
31.02	48.4	1661	8.4	32.2	1801	6.1	16.1	2089	3.5	2800	
35.88	41.8	1699	7.4	27.9	1860	5.4	13.9	2153	3.1	2800	
41.64	36.0	1557	5.9	24.0	1704	4.3	12.0	1974	2.5	2800	
50.32	29.8	1336	4.2	19.9	1464	3.0	9.9	1703	1.8	2800	
ET 3020											
59.36	25.3	2525	6.7	16.8	2578	4.5	8.4	2654	2.3	2800	
61.28	24.5	2438	6.3	16.3	2648	4.5	8.2	2800	2.4	2800	
70.98	21.1	2800	6.2	14.1	2800	4.1	7.0	2800	2.1	2800	
82.10	18.3	2800	5.4	12.2	2800	3.6	6.1	2800	1.8	2800	
92.19	16.3	2800	4.8	10.8	2800	3.2	5.4	2800	1.6	2800	
106.6	14.1	2800	4.1	9.4	2800	2.8	4.7	2800	1.4	2800	
108.8	13.8	2739	4.0	9.2	2800	2.7	4.6	2800	1.3	2800	
126.0	11.9	2395	3.0	7.9	2610	2.2	4.0	2799	1.2	2800	
145.7	10.3	2444	2.6	6.9	2705	1.9	3.4	2800	1.0	2800	8
161.3	9.3	2800	2.7	6.2	2800	1.8	3.1	2800	0.91	2800	
172.0	8.7	2800	2.6	5.8	2800	1.7	2.9	2800	0.85	2800	
198.9	7.5	2594	2.0	5.0	2800	1.5	2.5	2800	0.73	2800	
220.5	6.8	2711	1.9	4.5	2787	1.3	2.3	2800	0.67	2800	
260.2	5.8	2800	1.7	3.8	2800	1.1	1.9	2800	0.56	2800	
289.0	5.2	2337	1.3	3.5	2529	0.92	1.7	2800	0.50	2800	
325.7	4.6	2683	1.3	3.1	2800	0.91	1.5	2800	0.44	2800	
EQ 4020											
360.4	4.2	2800	1.2	2.8	2800	0.82	1.4	2800	0.41	2800	
404.7	3.7	2800	1.1	2.5	2800	0.73	1.2	2800	0.35	2800	
468.1	3.2	2800	0.9	2.1	2800	0.62	1.1	2800	0.32	2800	
502.5	3.0	2800	0.9	2.0	2800	0.59	0.99	2800	0.29	2800	
569.8	2.6	2800	0.76	1.8	2800	0.53	0.88	2800	0.26	2800	
639.8	2.3	2800	0.67	1.6	2800	0.47	0.78	2800	0.23	2800	
708.2	2.1	2800	0.62	1.4	2800	0.41	0.71	2800	0.21	2800	
835.7	1.8	2800	0.53	1.2	2800	0.35	0.60	2800	0.18	2800	
892.1	1.7	2800	0.50	1.1	2800	0.32	0.56	2800	0.16	2800	
1032	1.5	2800	0.44	0.97	2800	0.28	0.48	2800	0.14	2800	
1120	1.3	2800	0.38	0.89	2800	0.26	0.45	2800	0.13	2800	4
1323	1.1	2800	0.32	0.76	2800	0.22	0.38	2800	0.11	2800	
1380	1.1	2800	0.32	0.72	2800	0.21	0.36	2800	0.11	2800	
1561	0.96	2800	0.28	0.64	2800	0.19	0.32	2800	0.09	2800	
1806	0.83	2800	0.24	0.55	2800	0.16	0.28	2800	0.08	2800	
1999	0.75	2800	0.22	0.50	2800	0.15	0.25	2800	0.07	2800	
2315	0.65	2800	0.19	0.43	2800	0.13	0.22	2800	0.06	2800	
2615	0.57	2800	0.17	0.38	2800	0.11	0.19	2800	0.06	2800	
2732	0.55	2800	0.16	0.37	2800	0.11	0.18	2800	0.05	2800	
3160	0.47	2800	0.14	0.32	2800	0.09	0.16	2800	0.05	2800	



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 2020 - PDA 2020											
10.50	143	1351	20.2	95	1526	15.2	47.6	1879	9.4	2800	
12.39	121	1397	17.7	81	1578	13.3	40.4	1772	7.5	2800	
14.23	105	1392	15.4	70	1572	11.6	35.1	1936	7.1	2800	
16.17	93	1538	14.9	62	1737	11.3	30.9	2047	6.6	2800	
18.00	83	1187	10.4	56	1245	7.2	27.8	1340	3.9	2800	8
19.08	79	1590	13.1	52	1724	9.5	26.2	1849	5.1	2800	
21.75	69	1015	7.3	46.0	1064	5.1	23.0	1147	2.8	2800	
23.89	63	1357	8.9	41.9	1419	6.2	20.9	1522	3.3	2800	
27.72	54	1249	7.1	36.1	1305	4.9	18.0	1398	2.6	2800	
33.50	44.8	1067	5.0	29.9	1116	3.5	14.9	1198	1.9	2800	
EC 3020 - PDA 3020											
46.09	32.5	1507	5.1	21.7	1702	3.9	10.8	2095	2.4	2800	
52.42	28.6	1476	4.4	19.1	1536	3.1	9.5	1639	1.6	2800	
57.85	25.9	1157	3.1	17.3	1307	2.4	8.6	1609	1.5	2800	
63.00	23.8	1787	4.5	15.9	1892	3.1	7.9	2062	1.7	2800	
68.26	22.0	1366	3.1	14.6	1542	2.4	7.3	1899	1.5	2800	
75.13	20.0	1503	3.1	13.3	1698	2.4	6.7	2090	1.5	2800	
88.66	16.9	1774	3.1	11.3	1998	2.4	5.6	2245	1.3	2800	
102.7	14.6	1913	2.9	9.7	2013	2.1	4.9	2179	1.1	2800	
111.0	13.5	1587	2.2	9.0	1647	1.6	4.5	1841	0.87	2800	
121.2	12.4	1982	2.6	8.3	2073	1.8	4.1	2393	1.0	2800	
142.4	10.5	1835	2.0	7.0	2073	1.5	3.5	2258	0.83	2800	5
168.0	8.9	2040	1.9	6.0	2220	1.4	3.0	2555	0.80	2800	
175.5	8.5	1655	1.5	5.7	1751	1.0	2.8	2026	0.61	2800	
194.3	7.7	2103	1.7	5.1	2215	1.2	2.6	2395	0.65	2800	
210.3	7.1	1682	1.3	4.8	1820	0.91	2.4	2103	0.52	2800	
243.3	6.2	1722	1.1	4.1	1877	0.81	2.1	2166	0.47	2800	
282.3	5.3	1575	0.88	3.5	1718	0.64	1.8	1985	0.37	2800	
308.1	4.9	1393	0.71	3.2	1430	0.49	1.6	1495	0.25	2800	
368.1	4.1	1226	0.52	2.7	1259	0.36	1.4	1315	0.19	2800	
427.1	3.5	1423	0.52	2.3	1461	0.36	1.2	1526	0.19	2800	
516.1	2.9	1478	0.45	1.9	1613	0.33	0.97	1844	0.19	2800	
EC 4020 - PDA 4020											
276.6	5.4	2606	1.5	3.6	2800	1.1	1.8	2800	0.53	2800	
319.9	4.7	2683	1.3	3.1	2800	0.91	1.6	2800	0.47	2800	
347.1	4.3	2727	1.2	2.9	2800	0.85	1.4	2800	0.41	2800	
401.5	3.7	2800	1.1	2.5	2800	0.73	1.2	2800	0.35	2800	
450.8	3.3	2800	0.97	2.2	2800	0.65	1.1	2800	0.32	2800	
521.4	2.9	2800	0.85	1.9	2800	0.56	0.96	2800	0.28	2800	
556.6	2.7	2800	0.79	1.8	2800	0.53	0.90	2800	0.26	2800	
625.0	2.4	2800	0.70	1.6	2800	0.47	0.80	2800	0.23	2800	
712.7	2.1	2382	0.53	1.4	2526	0.37	0.70	2800	0.21	2800	
788.9	1.9	2800	0.56	1.3	2800	0.38	0.63	2800	0.18	2800	
853.1	1.8	2496	0.46	1.2	2604	0.32	0.59	2800	0.17	2800	
988.1	1.5	2478	0.39	1.0	2732	0.29	0.51	2800	0.15	2800	3
1094	1.4	2800	0.41	0.91	2800	0.27	0.46	2800	0.13	2800	
1247	1.2	2275	0.29	0.80	2513	0.21	0.40	2800	0.12	2800	
1495	1.0	2737	0.29	0.67	2798	0.20	0.33	2800	0.10	2800	
1616	0.93	2536	0.25	0.62	2742	0.18	0.31	2800	0.09	2800	
1729	0.87	2466	0.22	0.58	2693	0.16	0.29	2800	0.09	2800	
2040	0.74	2800	0.22	0.49	2800	0.14	0.25	2800	0.07	2800	
2208	0.68	2694	0.19	0.45	2800	0.13	0.23	2800	0.07	2800	
2554	0.59	2770	0.17	0.39	2800	0.11	0.20	2800	0.06	2800	
2787	0.54	1399	0.08	0.36	1487	0.06	0.18	1652	0.03	2800	
3235	0.46	1623	0.08	0.31	1726	0.06	0.15	2800	0.04	2800	

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.

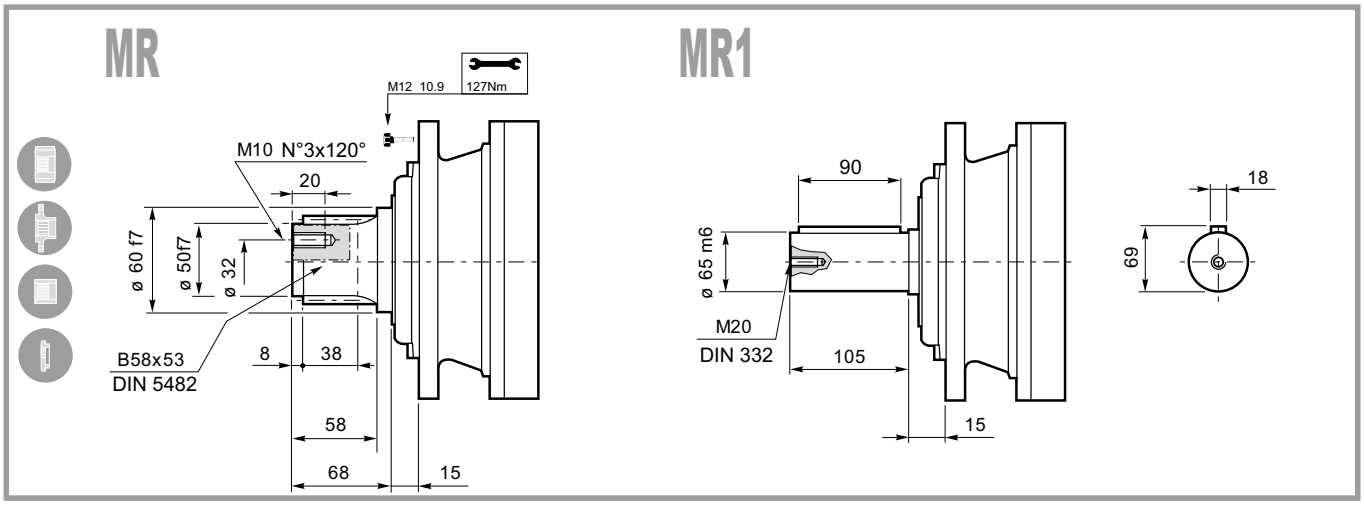
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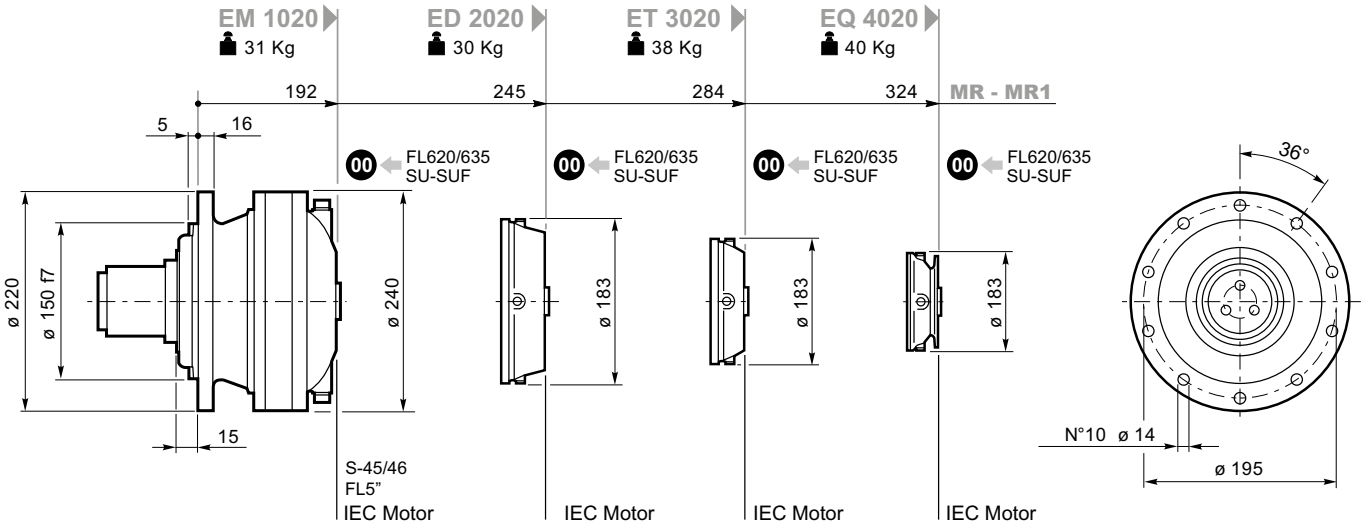


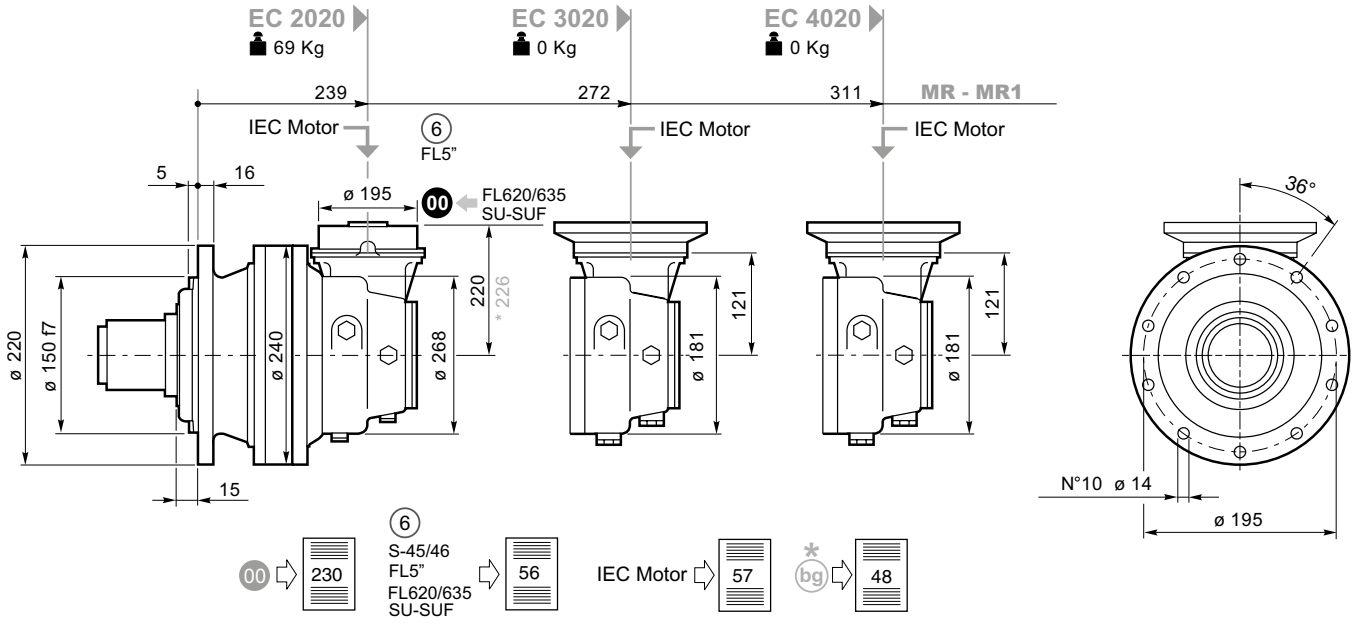
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EC 2020 - PDA 2020											
10.50	143	2045	30.6	95	2149	21.4	47.6	2439	12.2	2800	
12.39	121	1857	23.5	81	1947	16.5	40.4	2193	9.3	2800	
14.23	105	2235	24.7	70	2405	17.7	35.1	2794	10.3	2800	
16.17	93	2155	20.9	62	2302	14.9	30.9	2672	8.7	2800	
18.00	83	1421	12.4	56	1485	8.6	27.8	1651	4.8	2800	8
19.08	79	1953	16.1	52	2070	11.4	26.2	2404	6.6	2800	
21.75	69	1223	8.8	46.0	1278	6.2	23.0	1417	3.4	2800	
23.89	63	1616	10.6	41.9	1699	7.4	20.9	1978	4.3	2800	
27.72	54	1489	8.4	36.1	1557	5.9	18.0	1813	3.4	2800	
33.50	44.8	1282	6.0	29.9	1336	4.2	14.9	1560	2.4	2800	
EC 3020 - PDA 3020											
46.09	32.5	2644	9.0	21.7	2800	6.4	10.8	2800	3.1	2800	
52.42	28.6	1849	5.5	19.1	2017	4.0	9.5	2325	2.3	2800	
57.85	25.9	2045	5.6	17.3	2309	4.2	8.6	2800	2.5	2800	
63.00	23.8	2200	5.5	15.9	2316	3.9	7.9	2610	2.2	2800	
68.26	22.0	2413	5.6	14.6	2706	4.2	7.3	2800	2.1	2800	
75.13	20.0	2656	5.6	13.3	2800	3.9	6.7	2800	2.0	2800	
88.66	16.9	2629	4.7	11.3	2800	3.3	5.6	2800	1.6	2800	
102.7	14.6	2339	3.6	9.7	2479	2.5	4.9	2780	1.4	2800	
111.0	13.5	2167	3.1	9.0	2352	2.2	4.5	2695	1.3	2800	
121.2	12.4	2760	3.6	8.3	2800	2.4	4.1	2800	1.2	2800	
142.4	10.5	2430	2.7	7.0	2690	2.0	3.5	2800	1.0	2800	5
168.0	8.9	2800	2.6	6.0	2800	1.8	3.0	2800	0.88	2800	
175.5	8.5	2377	2.1	5.7	2575	1.5	2.8	2800	0.82	2800	
194.3	7.7	2587	2.1	5.1	2800	1.5	2.6	2800	0.76	2800	
210.3	7.1	2464	1.8	4.8	2667	1.3	2.4	2800	0.70	2800	
243.3	6.2	2535	1.6	4.1	2743	1.2	2.1	2800	0.62	2800	
282.3	5.3	2326	1.3	3.5	2517	0.93	1.8	2800	0.53	2800	
308.1	4.9	1565	0.80	3.2	1607	0.55	1.6	1788	0.30	2800	
368.1	4.1	1378	0.59	2.7	1456	0.41	1.4	1619	0.23	2800	
427.1	3.5	1599	0.59	2.3	1690	0.41	1.2	1879	0.23	2800	
516.1	2.9	1932	0.59	1.9	2042	0.41	0.97	2271	0.23	2800	
EC 4020 - PDA 4020											
276.6	5.4	2800	1.6	3.6	2800	1.1	1.8	2800	0.53	2800	
319.9	4.7	2800	1.4	3.1	2800	0.91	1.6	2800	0.47	2800	
347.1	4.3	2800	1.3	2.9	2800	0.85	1.4	2800	0.41	2800	
401.5	3.7	2800	1.1	2.5	2800	0.73	1.2	2800	0.35	2800	
450.8	3.3	2800	0.97	2.2	2800	0.65	1.1	2800	0.32	2800	
521.4	2.9	2800	0.85	1.9	2800	0.56	0.96	2800	0.28	2800	
556.6	2.7	2800	0.79	1.8	2800	0.53	0.90	2800	0.26	2800	
625.0	2.4	2800	0.70	1.6	2800	0.47	0.80	2800	0.23	2800	
712.7	2.1	2800	0.62	1.4	2800	0.41	0.70	2800	0.21	2800	
788.9	1.9	2800	0.56	1.3	2800	0.38	0.63	2800	0.18	2800	
853.1	1.8	2800	0.53	1.2	2800	0.35	0.59	2800	0.17	2800	
988.1	1.5	2800	0.44	1.0	2800	0.29	0.51	2800	0.15	2800	3
1094	1.4	2800	0.41	0.91	2800	0.27	0.46	2800	0.13	2800	
1247	1.2	2800	0.35	0.80	2800	0.23	0.40	2800	0.12	2800	
1495	1.0	2800	0.29	0.67	2800	0.20	0.33	2800	0.10	2800	
1616	0.93	2800	0.27	0.62	2800	0.18	0.31	2800	0.09	2800	
1729	0.87	2800	0.26	0.58	2800	0.17	0.29	2800	0.09	2800	
2040	0.74	2800	0.22	0.49	2800	0.14	0.25	2800	0.07	2800	
2208	0.68	2800	0.20	0.45	2800	0.13	0.23	2800	0.07	2800	
2554	0.59	2800	0.17	0.39	2800	0.11	0.20	2800	0.06	2800	
2787	0.54	1864	0.11	0.36	2006	0.08	0.18	2409	0.05	2800	
3235	0.46	2163	0.11	0.31	2328	0.08	0.15	2796	0.05	2800	

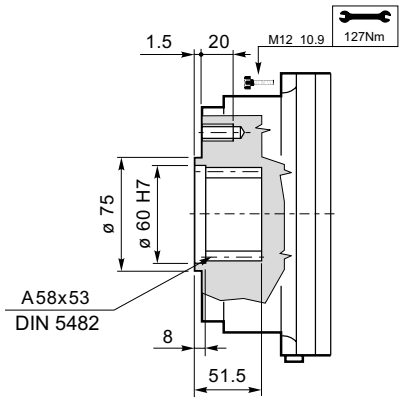
Tutti i rapporti evidenziati (es. 10.50) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.
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Les rapports repérés par (es. 10.50) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.
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As relações marcadas com (es. 10.50) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

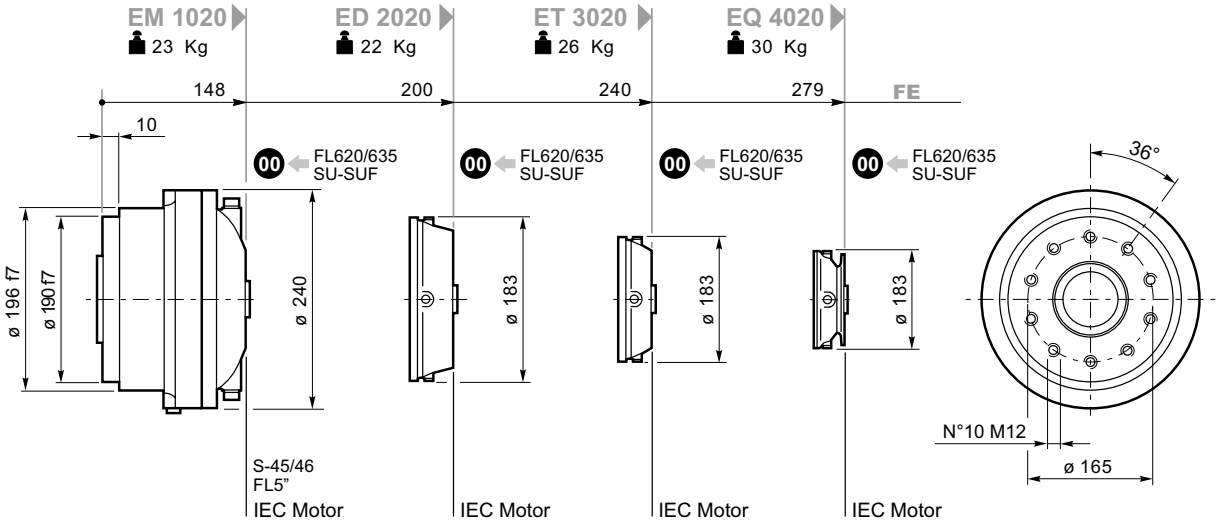
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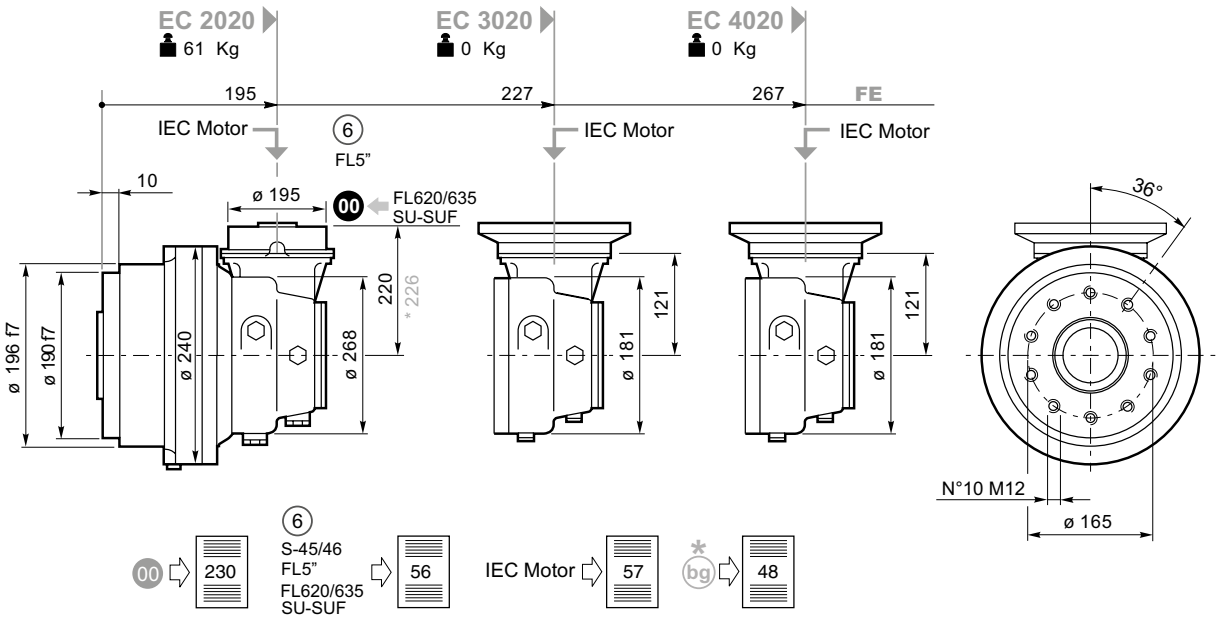

MR
MR1
M12 10.9
127Nm
M10 N°3x120°
20
ø 60 f7
ø 50f7
ø 32
B58x53
DIN 5482
8
38
58
68
15
90
ø 65 m6
M20
DIN 332
105
15
18
69

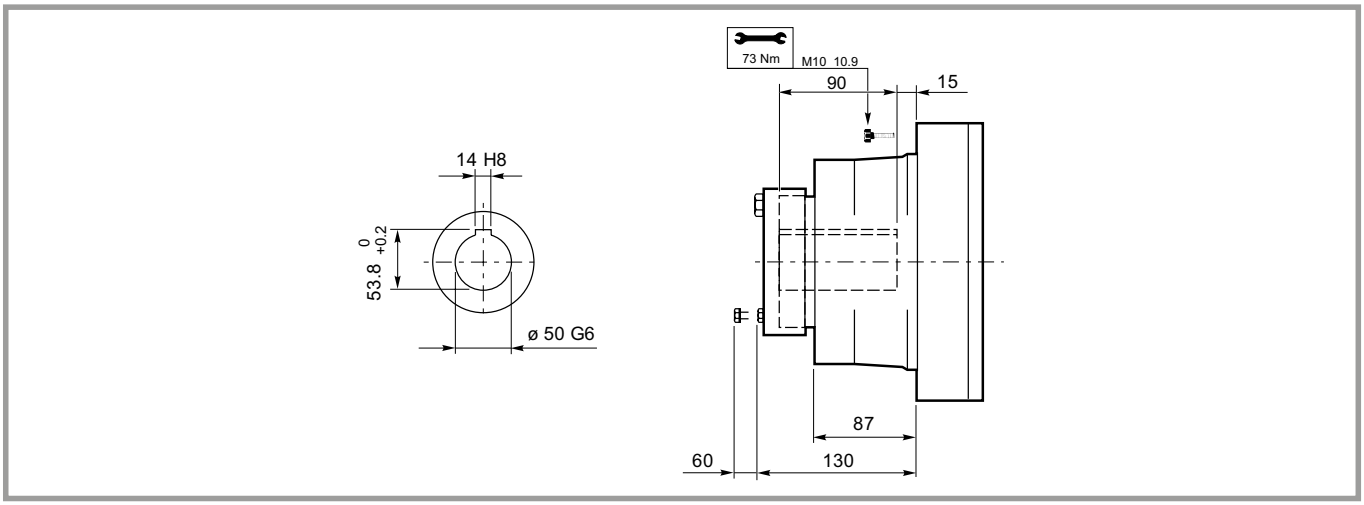

EM 1020
31 Kg
ED 2020
30 Kg
ET 3020
38 Kg
EQ 4020
40 Kg
192
245
284
324
MR - MR1
5
16
00 FL620/635 SU-SUF
ø 220
ø 150 f7
ø 240
ø 183
15
S-45/46
FL5"
IEC Motor
36°
N°10 ø 14
ø 195

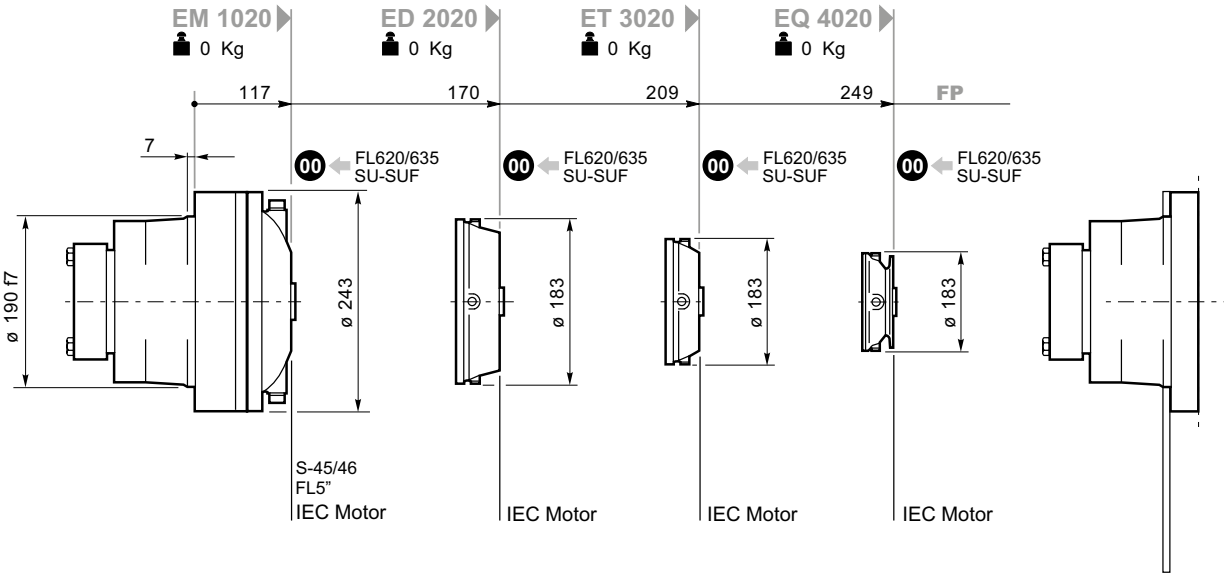

EC 2020
69 Kg
EC 3020
0 Kg
EC 4020
0 Kg
239
272
311
MR - MR1
IEC Motor
6
FL5"
5
16
ø 195
00 FL620/635 SU-SUF
ø 220
ø 150 f7
ø 240
ø 268
220
* 226
ø 181
121
15
36°
N°10 ø 14
ø 195
00 230
6 S-45/46 FL5" FL620/635 SU-SUF 56
IEC Motor 57
bg 48

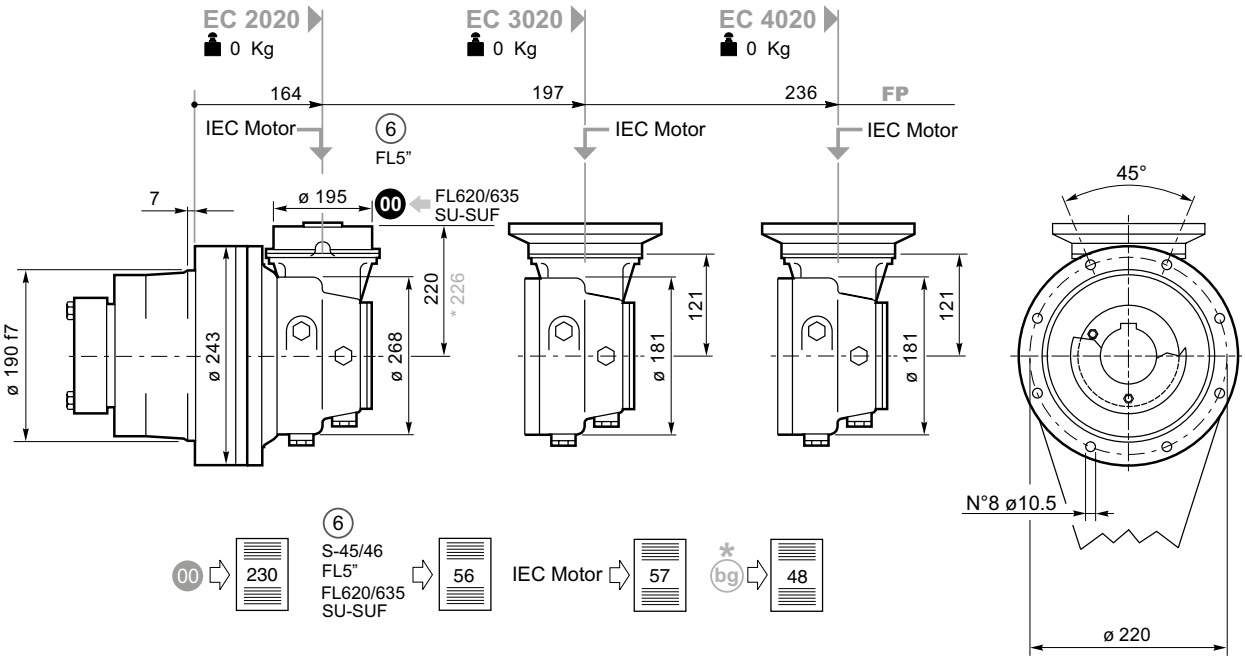

1.5
20
M12 10.9
127Nm
ø 75
ø 60 H7
A58x53
DIN 5482
8
51.5


EM 1020
23 Kg
ED 2020
22 Kg
ET 3020
26 Kg
EQ 4020
30 Kg
148
200
240
279
FE
10
00 FL620/635 SU-SUF
ø 196 f7
ø 190 f7
ø 240
ø 183
36°
N°10 M12
ø 165
S-45/46 FL5" IEC Motor
IEC Motor

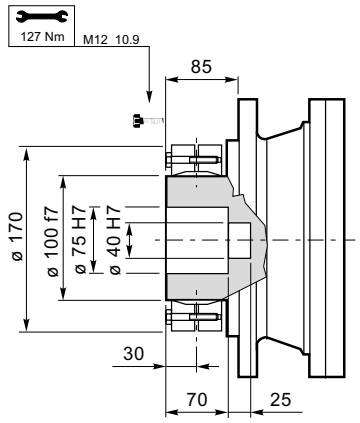

EC 2020
61 Kg
EC 3020
0 Kg
EC 4020
0 Kg
195
227
267
FE
IEC Motor
6
FL5"
10
ø 195
00 FL620/635 SU-SUF
ø 196 f7
ø 190 f7
ø 240
ø 268
220
* 226
ø 181
121
36°
N°10 M12
ø 165
6
S-45/46
FL5"
FL620/635
SU-SUF
00 230
56
IEC Motor 57
bg 48

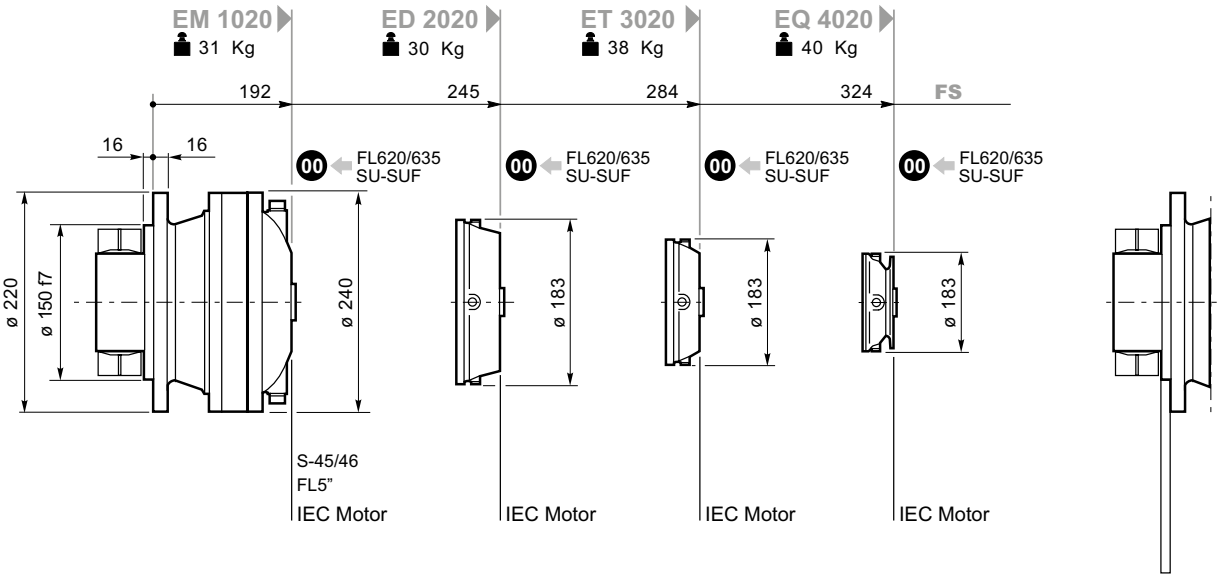

73 Nm
M10 10.9
90
15
14 H8
53.8 +0.2 0
ø 50 G6
87
60
130

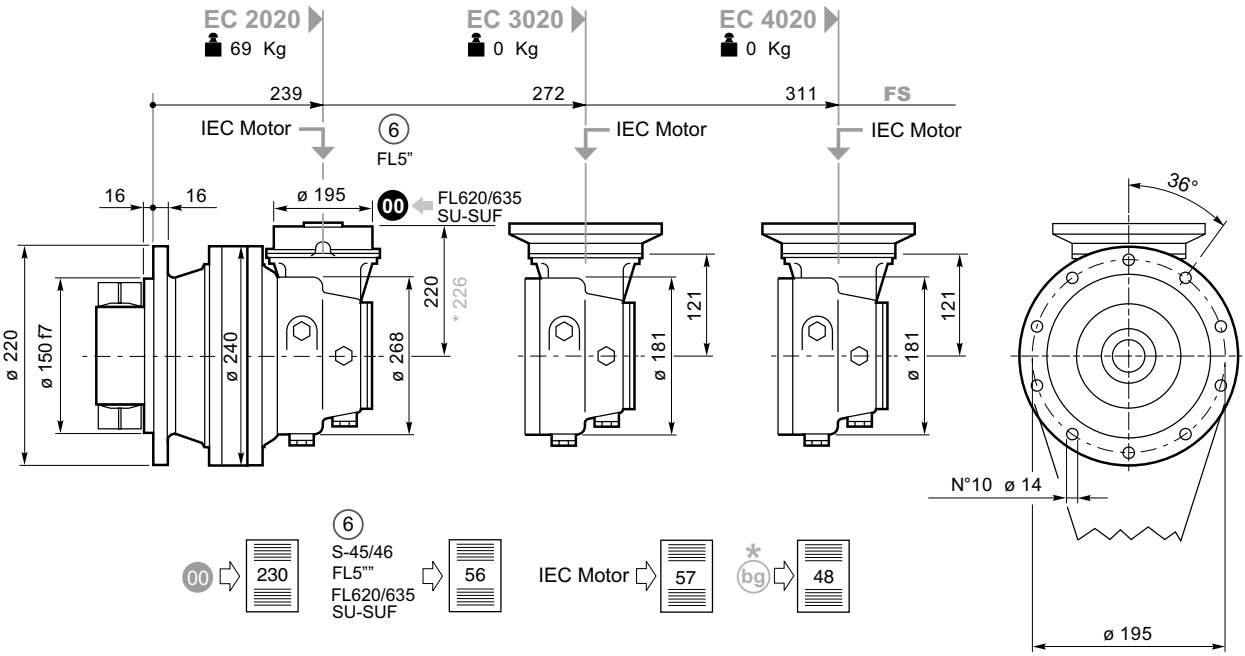

EM 1020
0 Kg
ED 2020
0 Kg
ET 3020
0 Kg
EQ 4020
0 Kg
117
170
209
249
FP
7
00 FL620/635 SU-SUF
ø 190 f7
ø 243
ø 183
S-45/46 FL5" IEC Motor
IEC Motor


EC 2020
0 Kg
EC 3020
0 Kg
EC 4020
0 Kg
164
197
236
FP
IEC Motor
6
FL5"
7
ø 195
00 FL620/635 SU-SUF
ø 190 f7
ø 243
ø 268
220
* 226
ø 181
121
45°
N°8 ø10.5
ø 220

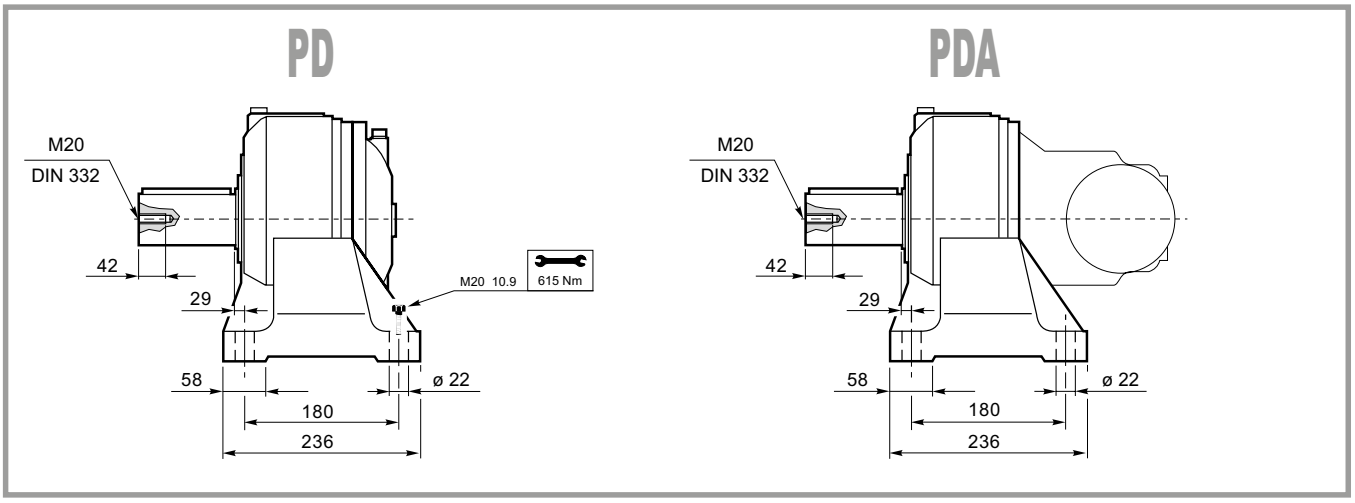
00
230
6
S-45/46
FL5"
FL620/635
SU-SUF
56
IEC Motor
57
bg
48

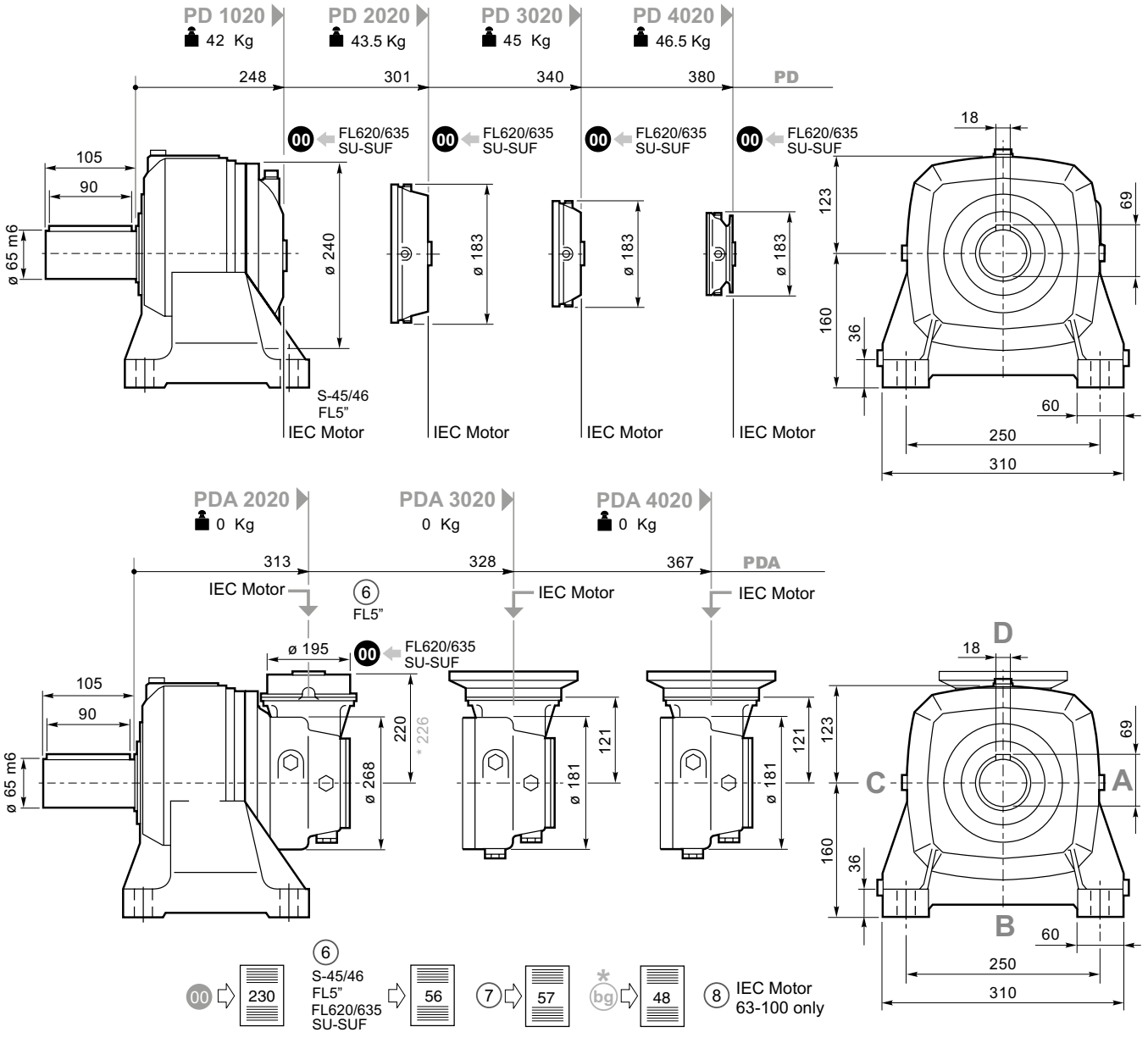






00 230
6 S-45/46 FL5"" FL620/635 SU-SUF 56
IEC Motor 57
* bg 48


PD
PDA
M20
DIN 332
42
29
58
180
236
ø 22
M20 10.9
615 Nm


PD 1020
42 Kg
PD 2020
43.5 Kg
PD 3020
45 Kg
PD 4020
46.5 Kg
248
301
340
380
PD
00 FL620/635 SU-SUF
105
90
ø 65 m6
ø 240
ø 183
S-45/46 FL5"
IEC Motor
18
123
69
160
36
60
250
310
PDA 2020
0 Kg
PDA 3020
0 Kg
PDA 4020
0 Kg
313
328
367
PDA
6 FL5"
ø 195
ø 268
220
* 226
ø 181
121
D
C
A
B
00 230
6 S-45/46 FL5" FL620/635 SU-SUF 56
7 57
bg 48
8 IEC Motor 63-100 only

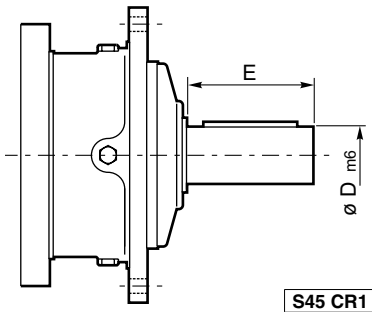
DANA BREVINI®

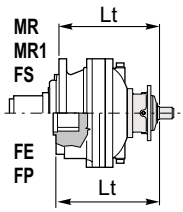
Motion Systems

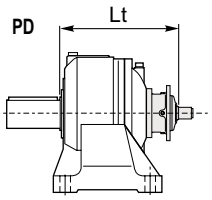
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020

S45CR1-S46C1

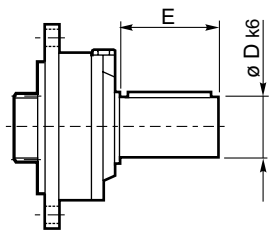




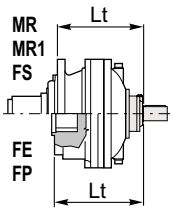


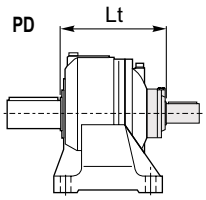
	D m6	E		Lt			
				MR-MR1-FS	FE	FP	PD
S45 CR1	65	105	**EM 1020**	255	211	185	311
S46 C1	65	105	**EM 1020**	296	252	226	352

SU2

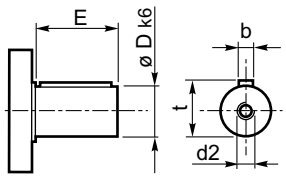


	D k6	E		Lt			
				MR-MR1-FS	FE	FP	PD
SU 2	40	58	**EM 1020**	252	208	182	308
			ED 2020	305	260	235	361
			ET 3020	344	300	274	400
			EQ 4020	384	339	314	440

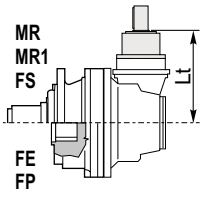


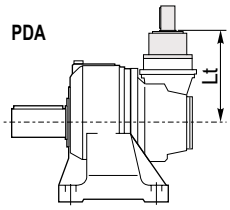


⑥ 48.82



	D	E		Lt
				MR-MR1-FS-FE-FP-PDA
48.82	48	82	**EC 2020**	280





Per le configurazioni in entrata: S46C1, 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, 48.82 (CC40 - CC41), FL5"; for further information and technical data please consult the DANA area contact person.

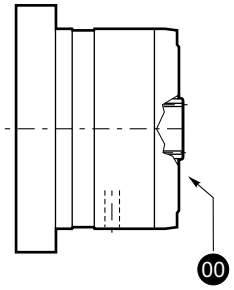
Für die Antriebskonfigurationen: S46C1, 48.82 (CC40 - CC41), FL5" ist auf Anfrage eine Rücklaufsperre verfügbar. Weitere Informationen und die Technischen Daten Sich an die DANA Kontaktperson der zone zu wenden.

Pour les configurations d'entrée : S46C1, 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.

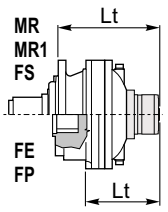
Para las configuraciones en entrada: S46C1, 48.82 (CC40 - CC41), FL5" , se encuentra disponible a pedido, el dispositivo antirretrocesos; para ulteriores informaciones y datos técnicos, consulte a la persona de contacto del área de DANA.

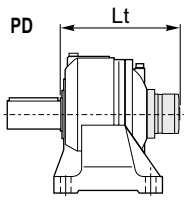
Para as configurações na entrada: S46C1, 48.82 (CC40 - CC41), FL5" está disponível, a pedido, o dispositivo contra-recuos; para mais informações e dados técnicos, consulte seu contato local da DANA.

FL250-FL350-FL450



		Lt			
		MR-MR1-FS	FE	FP	PD-PDA
FL250-FL350 FL450	**EM 1020**	285	241	215	342
	EC 2020	280	280	280	280
	EC 2020*	377	377	377	377

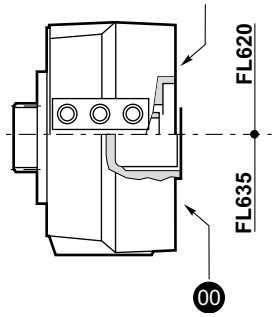




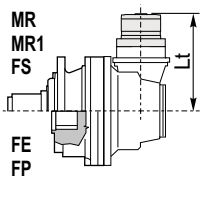
FL620.10
FL635.10

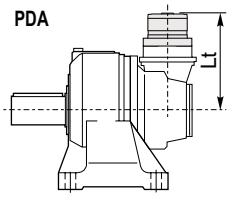
FL620.U-FL635.U

SAE A-AA
Shaft FE



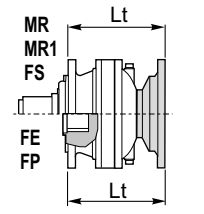
		Lt			
		MR-MR1-FS	FE	FP	PD
FL620.U	EM 1020	296.5	252.5	226.5	352.5
	ED 2020	349.5	304.5	279.5	405.5
	ET 3020	388.5	344.5	318.5	444.5
	EQ 4020	428.5	383.5	358.5	484.5
	EC 2020	324.5	324.5	324.5	324.5
	EC 2020*	330.5	330.5	330.5	330.5
FL635.U	EM 1020	283	329	213	339
	ED 2020	336	291	266	392
	ET 3020	375	331	305	431
	EQ 4020	415	370	345	471
	EC 2020	311	311	311	311
	EC 2020*	317	317	317	317
FL620.10	ED 2020	308.5	263.5	—	364
	ET 3020	347.5	303.5	—	404
	EQ 4020	387.5	342.5	—	443
FL635.10	ED 2020	290	184	220	346
	ET 3020	329	285	259	385
	EQ 4020	369	325	299	425

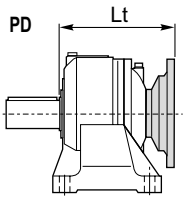


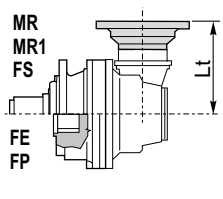


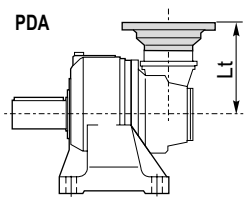
IEC Motor

		Lt							
		IEC 63	**IEC 71**	**IEC 80 90**	**IEC 100 112**	**IEC 132**	**IEC 160 180**	**IEC 200**	**IEC 225**
EM 1020	MR-MR1-FS	212	214	219	220	287	328	328	359
EM 1020	FE	168	170	175	176	243	274	284	315
EM 1020	FP								
ED 2020	MR-MR1-FS	265	267	272	273	340			
ED 2020	FE	220	222	227	228	295			
ED 2020	FP								
ET 3020	MR-MR1-FS	304	306	311	312	379			
ET 3020	FE	260	262	267	268	335			
ET 3020	FP								
EQ 4020	MR-MR1-FS	344	346	351	352	419			
EQ 4020	FE	299	301	306	307	374			
EQ 4020	FP								
PD 1020	PD	268	270	275	276	343	374	384	415
PD 2020	PD	321	323	328	379	396	427		
PD 3020	PD	360	362	367	373	435			
PD 4020	PD	400	402	407	408	475			
EC 2020	MR-MR1-FE-FS-FP-PDA	240	242	247	248	315			
EC 2020*	MR-MR1-FE-FS-FP-PDA	246	248	253	254	321			
EC 3020	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238			
EC 4020	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238			





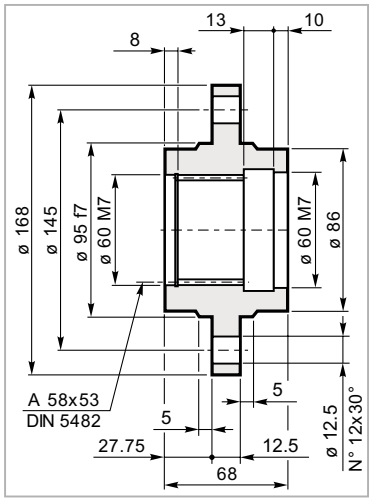




* bg 48

FA 020

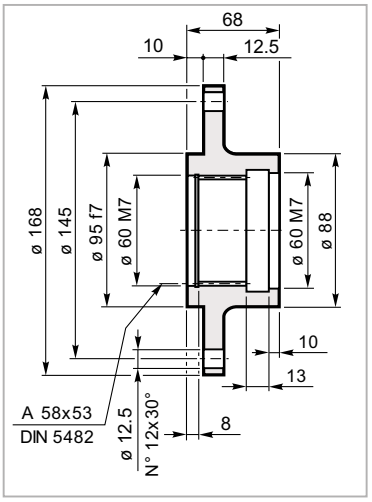
Flangia ruota
Driving flange
Radnabenflansch
Flasque de roue
Brida de la rueda
Flange de roda



Mat. C40 UNI EN 10083
Code: 34700641800

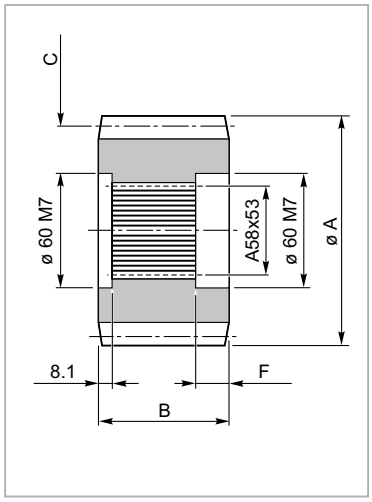
FR 020

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



Mat. C40 UNI EN 10083
Code: 34700131800

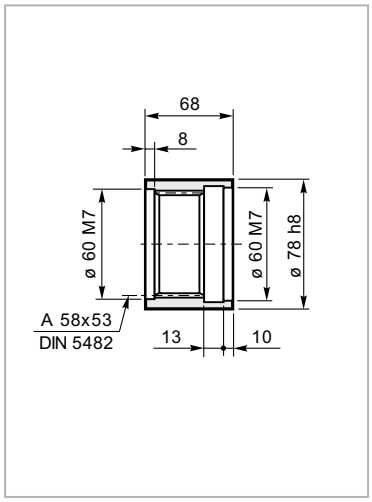
Pignoni
Pinion
Ritzel
Pignon
Piñones
Pinhões



code	A	B	C	F
335.0143.0800	114.8	68	M=8 Z=12 X=0.3	23.5
335.0174.0800	99.6	68	M=6 Z=14 X=0.3	24
335.0353.000K	127.6	68	M=8 Z=13 X=0.54	23.5
335.5193.060	115	68	M=5 Z=21 —	24
335.6273.000	120	68	M=8 Z=13 —	24

MS 020

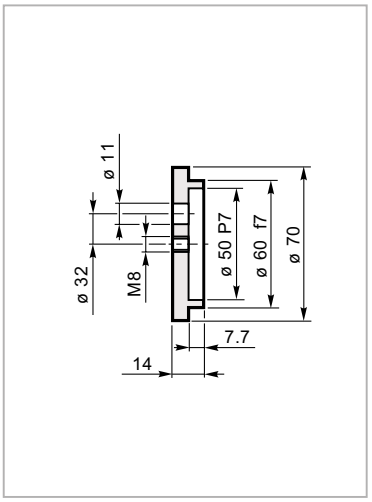
Manicotto scanalato
Splined bush
Keilmuffe
Manchon cannelée
Manguito acanalado
Luva ranhurada



Mat. 39NiCrMo3 UNI EN 10083
Code: 39102848500

RDF 020

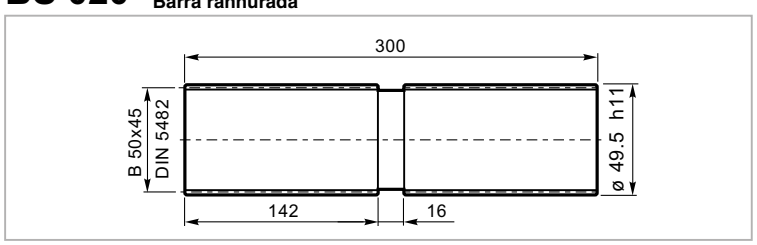
Rondella di fermo
Shaft cover
Gegenscheibe
Rondelle frein
Arandela de bloqueo
Amuela de encosto



Mat. C40 UNI EN 10083
Code: 37201040800

BS 020

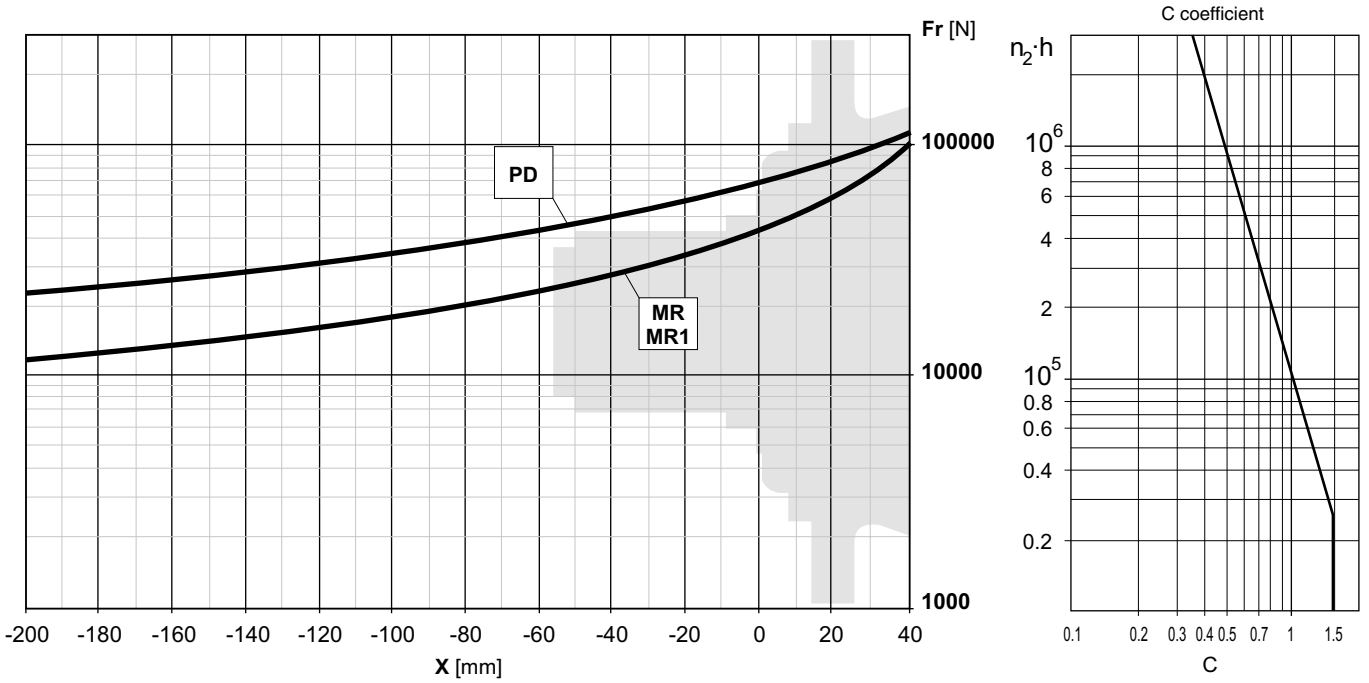
Barra scanalata
Splined bar
Zugspindel
Barre cannelée
Barra acanalada
Barra ranhurada



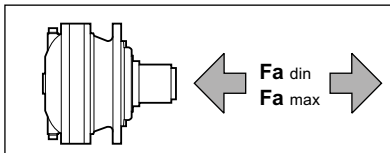
Code: 39126930100

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

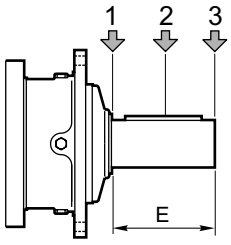


Carichi assiali / Axial loads / Axialkräfte / Charges axiales / Cargas axiales / Forças axiais

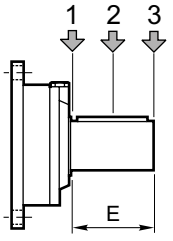


		Flange mounted		PD-PDA
		MN-MN1	MR-MR1	MR1
Fa_{din}	[N]	—	35000	25000
Fa_{max}	[N]	—	60000	25000

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



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