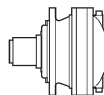
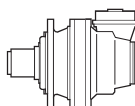


i <sub>eff</sub>										T <sub>2max</sub> [Nm]	P <sub>T</sub> [kW]
	1500			1000			500				
	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]		
ED 2030											
15.37	98	1510	15.4	65	1705	11.6	32.5	2100	7.2	5600	12
17.47	86	2121	19.1	57	2395	14.4	28.6	2732	8.2	6000	
20.28	74	2206	17.1	49.3	2314	12.0	24.7	2494	6.4	6000	
22.70	66	2231	15.4	44.1	2519	11.6	22.0	2805	6.5	6000	
26.34	57	2276	13.6	38.0	2383	9.5	19.0	2560	5.1	6000	
31.02	48.4	2134	10.8	32.2	2342	7.9	16.1	2639	4.5	6000	
36.00	41.7	2358	10.3	27.8	2463	7.2	13.9	2640	3.8	6000	
41.64	36.0	2325	8.8	24.0	2446	6.2	12.0	2678	3.4	6000	
43.50	34.5	2027	7.3	23.0	2119	5.1	11.5	2276	2.7	6000	
50.32	29.8	2060	6.4	19.9	2152	4.5	9.9	2309	2.4	6000	
ET 3030											
59.06	25.4	2765	7.4	16.9	2879	5.1	8.5	3076	2.7	6000	8
61.28	24.5	2640	6.8	16.3	2982	5.1	8.2	3671	3.1	6000	
70.98	21.1	2457	5.4	14.1	2775	4.1	7.0	3206	2.4	6000	
83.76	17.9	2900	5.4	11.9	3275	4.1	6.0	3783	2.4	6000	
89.03	16.8	2591	4.6	11.2	2695	3.2	5.6	2876	1.7	6000	
96.88	15.5	3029	4.9	10.3	3421	3.7	5.2	3803	2.1	6000	
108.8	13.8	3051	4.4	9.2	3320	3.2	4.6	3410	1.6	6000	
124.2	12.1	2447	3.1	8.1	2528	2.1	4.0	2658	1.1	6000	
146.6	10.2	2888	3.1	6.8	2983	2.1	3.4	3137	1.1	6000	
157.5	9.5	3042	3.0	6.3	3179	2.1	3.2	3695	1.2	6000	
186.1	8.1	2901	2.4	5.4	3046	1.7	2.7	3292	0.93	6000	
198.9	7.5	2115	1.7	5.0	2221	1.2	2.5	2401	0.63	6000	
215.3	7.0	2953	2.2	4.6	3098	1.5	2.3	3343	0.81	6000	
249.0	6.0	2648	1.7	4.0	2780	1.2	2.0	3006	0.63	6000	
289.0	5.2	2924	1.6	3.5	3197	1.2	1.7	3489	0.63	6000	
325.7	4.6	3101	1.5	3.1	3244	1.0	1.5	3492	0.56	6000	
EQ 4030											
367.7	4.1	3835	1.6	2.7	3888	1.1	1.4	3972	0.57	6000	4
404.7	3.7	2928	1.1	2.5	2966	0.77	1.2	3029	0.39	6000	
460.3	3.3	3674	1.3	2.2	4000	0.91	1.1	4605	0.52	6000	
495.4	3.0	3874	1.2	2.0	3925	0.83	1.0	4008	0.42	6000	
581.3	2.6	3894	1.1	1.7	3944	0.71	0.86	4027	0.36	6000	
643.5	2.3	3907	0.95	1.6	3956	0.64	0.78	4039	0.33	6000	
691.5	2.2	4002	0.91	1.4	4348	0.66	0.72	4494	0.34	6000	
817.1	1.8	4142	0.80	1.2	4424	0.57	0.61	4516	0.29	6000	
879.4	1.7	3945	0.71	1.1	3994	0.48	0.57	4075	0.24	6000	
1017	1.5	3963	0.61	0.98	4011	0.41	0.49	4092	0.21	6000	
1142	1.3	3550	0.49	0.88	3593	0.33	0.44	3666	0.17	6000	
1304	1.2	2886	0.35	0.77	2961	0.24	0.38	3092	0.12	6000	
1430	1.0	4445	0.49	0.70	4498	0.33	0.35	4589	0.17	6000	
1539	0.97	3406	0.35	0.65	3494	0.24	0.32	3649	0.12	6000	
1806	0.83	3248	0.28	0.55	3304	0.19	0.28	3607	0.11	6000	
1999	0.75	3610	0.28	0.50	3652	0.19	0.25	3969	0.10	6000	
2268	0.66	4502	0.31	0.44	4781	0.22	0.22	5124	0.12	6000	
2502	0.60	4519	0.28	0.40	4572	0.19	0.20	4969	0.10	6000	
2904	0.52	4726	0.26	0.34	5112	0.18	0.17	5767	0.10	6000	
3170	0.47	4042	0.20	0.32	4382	0.15	0.16	5013	0.08	6000	



i <sub>eff</sub>	1500			1000			500			T <sub>2max</sub> [Nm]	P <sub>T</sub> [kW]
	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	P <sub>2</sub> [kW]		
ED 2030											
15.37	98	2477	25.3	65	2626	17.9	32.5	2800	9.5	5600	12
17.47	86	2896	26.0	57	3031	18.2	28.6	3443	10.3	6000	
20.28	74	2654	20.6	49.3	2774	14.3	24.7	3136	8.1	6000	
22.70	66	2984	20.7	44.1	3119	14.4	22.0	3648	8.4	6000	
26.34	57	2732	16.3	38.0	2850	11.3	19.0	3323	6.6	6000	
31.02	48.4	2703	13.7	32.2	2925	9.9	16.1	3250	5.5	6000	
36.00	41.7	2823	12.3	27.8	3053	8.9	13.9	3555	5.2	6000	
41.64	36.0	2857	10.8	24.0	3077	7.7	12.0	3406	4.3	6000	
43.50	34.5	2444	8.8	23.0	2636	6.3	11.5	3082	3.7	6000	
50.32	29.8	2480	7.7	19.9	2726	5.7	9.9	3181	3.3	6000	
ET 3030											
59.06	25.4	3536	9.4	16.9	3860	6.8	8.5	4457	4.0	6000	8
61.28	24.5	3729	9.6	16.3	3821	6.5	8.2	3945	3.4	6000	
70.98	21.1	3221	7.1	14.1	3289	4.9	7.0	3383	2.5	6000	
83.76	17.9	3801	7.1	11.9	3881	4.9	6.0	3993	2.5	6000	
89.03	16.8	3410	6.0	11.2	3718	4.4	5.6	4287	2.5	6000	
96.88	15.5	3831	6.2	10.3	3906	4.2	5.2	4014	2.2	6000	
108.8	13.8	3442	5.0	9.2	3505	3.4	4.6	3599	1.7	6000	
124.2	12.1	2749	3.5	8.1	2840	2.4	4.0	2986	1.3	6000	
146.6	10.2	3244	3.5	6.8	3351	2.4	3.4	3524	1.3	6000	
157.5	9.5	4339	4.3	6.3	4414	2.9	3.2	4527	1.5	6000	
186.1	8.1	3538	3.0	5.4	3856	2.2	2.7	4134	1.2	6000	
198.9	7.5	2594	2.0	5.0	2878	1.5	2.5	3300	0.87	6000	
215.3	7.0	3611	2.6	4.6	3996	1.9	2.3	4195	1.0	6000	
249.0	6.0	3248	2.0	4.0	3603	1.5	2.0	4131	0.87	6000	
289.0	5.2	3769	2.0	3.5	4181	1.5	1.7	4794	0.87	6000	
325.7	4.6	4004	1.9	3.1	4117	1.3	1.5	4480	0.72	6000	
EQ 4030											
367.7	4.1	4047	1.7	2.7	4101	1.2	1.4	4461	0.64	6000	4
404.7	3.7	3089	1.2	2.5	3238	0.84	1.2	3612	0.47	6000	
460.3	3.3	5066	1.7	2.2	5133	1.2	1.1	5584	0.64	6000	
495.4	3.0	4087	1.3	2.0	4188	0.89	1.0	4674	0.49	6000	
581.3	2.6	4107	1.1	1.7	4297	0.77	0.86	4791	0.43	6000	
643.5	2.3	4121	1.0	1.6	4367	0.71	0.78	4867	0.40	6000	
691.5	2.2	4585	1.0	1.4	4895	0.74	0.72	5458	0.41	6000	
817.1	1.8	4711	0.91	1.2	5027	0.64	0.61	5599	0.36	6000	
879.4	1.7	4303	0.77	1.1	4588	0.55	0.57	5105	0.30	6000	
1017	1.5	4404	0.68	0.98	4693	0.48	0.49	5218	0.27	6000	
1142	1.3	4114	0.57	0.88	4382	0.40	0.44	4869	0.22	6000	
1304	1.2	3349	0.40	0.77	3564	0.29	0.38	3960	0.16	6000	
1430	1.0	5151	0.57	0.70	5486	0.40	0.35	6000	0.22	6000	
1539	0.97	3952	0.40	0.65	4205	0.29	0.32	4673	0.16	6000	
1806	0.83	4071	0.35	0.55	4327	0.25	0.28	4791	0.14	6000	
1999	0.75	4487	0.35	0.50	4772	0.25	0.25	5290	0.14	6000	
2268	0.66	5786	0.40	0.44	6000	0.28	0.22	6000	0.14	6000	
2502	0.60	5617	0.35	0.40	5974	0.25	0.20	6000	0.13	6000	
2904	0.52	6000	0.33	0.34	6000	0.21	0.17	6000	0.11	6000	
3170	0.47	5827	0.29	0.32	6000	0.20	0.16	6000	0.10	6000	



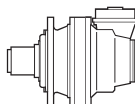
$i_{eff}$	1500			1000			500			$T_{2max}$ [Nm]	$P_T$ [kW]
	$n_2$ [rpm]	$T_2$ [Nm]	$P_2$ [kW]	$n_2$ [rpm]	$T_2$ [Nm]	$P_2$ [kW]	$n_2$ [rpm]	$T_2$ [Nm]	$P_2$ [kW]		

**EC 3030 - PDA 3030**

35.49	42.3	1160	5.1	28.2	1310	3.9	14.1	1613	2.4	6000	5
41.88	35.8	1369	5.1	23.9	1546	3.9	11.9	1903	2.4	6000	
46.09	32.5	1507	5.1	21.7	1702	3.9	10.8	2095	2.4	6000	
52.42	28.6	1714	5.1	19.1	1935	3.9	9.5	2383	2.4	6000	
54.39	27.6	1778	5.1	18.4	2008	3.9	9.2	2472	2.4	6000	
60.84	24.7	1989	5.1	16.4	2246	3.9	8.2	2765	2.4	6000	
68.09	22.0	2226	5.1	14.7	2514	3.9	7.3	3095	2.4	6000	
79.02	19.0	2560	5.1	12.7	2664	3.5	6.3	2845	1.9	6000	
88.66	16.9	1774	3.1	11.3	2003	2.4	5.6	2467	1.5	6000	
99.17	15.1	1984	3.1	10.1	2241	2.4	5.0	2759	1.5	6000	
111.0	13.5	2221	3.1	9.0	2508	2.4	4.5	3088	1.5	6000	
128.8	11.6	2577	3.1	7.8	2791	2.3	3.9	3118	1.3	6000	
140.2	10.7	2023	2.3	7.1	2130	1.6	3.6	2310	0.86	6000	
151.7	9.9	2826	2.9	6.6	2973	2.1	3.3	3219	1.1	6000	
176.0	8.5	2767	2.5	5.7	2873	1.7	2.8	3336	0.99	6000	
203.6	7.4	2805	2.2	4.9	2960	1.5	2.5	3356	0.86	6000	
215.8	7.0	2391	1.7	4.6	2486	1.2	2.3	2894	0.70	6000	
244.1	6.1	2853	1.8	4.1	3081	1.3	2.0	3576	0.77	6000	
282.3	5.3	2908	1.6	3.5	3181	1.2	1.8	3480	0.65	6000	

**EC 4030 - PDA 4030**

319.9	4.7	3817	1.9	3.1	3870	1.3	1.6	3956	0.65	6000	3
347.1	4.3	3262	1.5	2.9	3306	1.0	1.4	3377	0.51	6000	
401.5	3.7	3278	1.3	2.5	3321	0.87	1.2	3392	0.44	6000	
473.7	3.2	3868	1.3	2.1	3919	0.87	1.1	4002	0.44	6000	
481.2	3.1	3298	1.1	2.1	3340	0.73	1.0	3410	0.37	6000	
567.9	2.6	3891	1.1	1.8	3941	0.73	0.88	4024	0.37	6000	
656.8	2.3	3909	0.94	1.5	3959	0.63	0.76	4041	0.32	6000	
716.7	2.1	3242	0.71	1.4	3329	0.49	0.70	3479	0.25	6000	
822.2	1.8	4147	0.79	1.2	4502	0.57	0.61	5059	0.32	6000	
930.9	1.6	3528	0.60	1.1	3572	0.40	0.54	3645	0.21	6000	
993.8	1.5	3312	0.52	1.0	3399	0.36	0.50	3551	0.19	6000	
1165	1.3	4417	0.60	0.86	4471	0.40	0.43	4563	0.21	6000	
1291	1.2	3563	0.43	0.77	3606	0.29	0.39	3704	0.15	6000	
1352	1.1	4059	0.47	0.74	4403	0.34	0.37	5043	0.20	6000	
1616	0.93	4461	0.43	0.62	4514	0.29	0.31	4637	0.15	6000	
1848	0.81	4322	0.37	0.54	4683	0.27	0.27	4963	0.14	6000	
1959	0.77	3815	0.31	0.51	4218	0.23	0.26	4817	0.13	6000	
2208	0.68	4043	0.29	0.45	4134	0.20	0.23	4500	0.11	6000	
2563	0.59	4611	0.28	0.39	4798	0.20	0.20	5222	0.11	6000	
2964	0.51	4227	0.22	0.34	4616	0.16	0.17	5138	0.09	6000	
3097	0.48	4023	0.20	0.32	4362	0.15	0.16	4991	0.08	6000	



$i_{eff}$	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]		

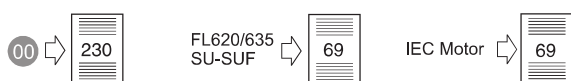
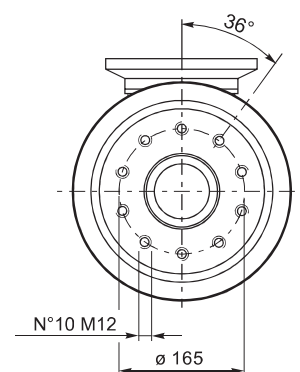
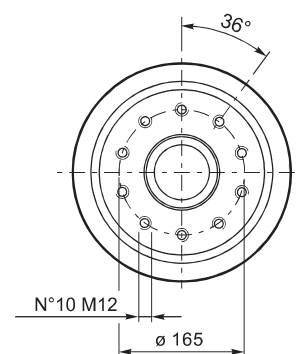
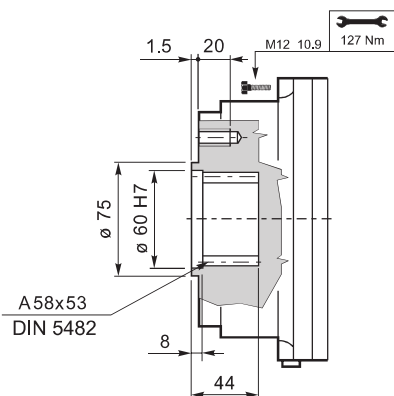
**EC 3030 - PDA 3030**

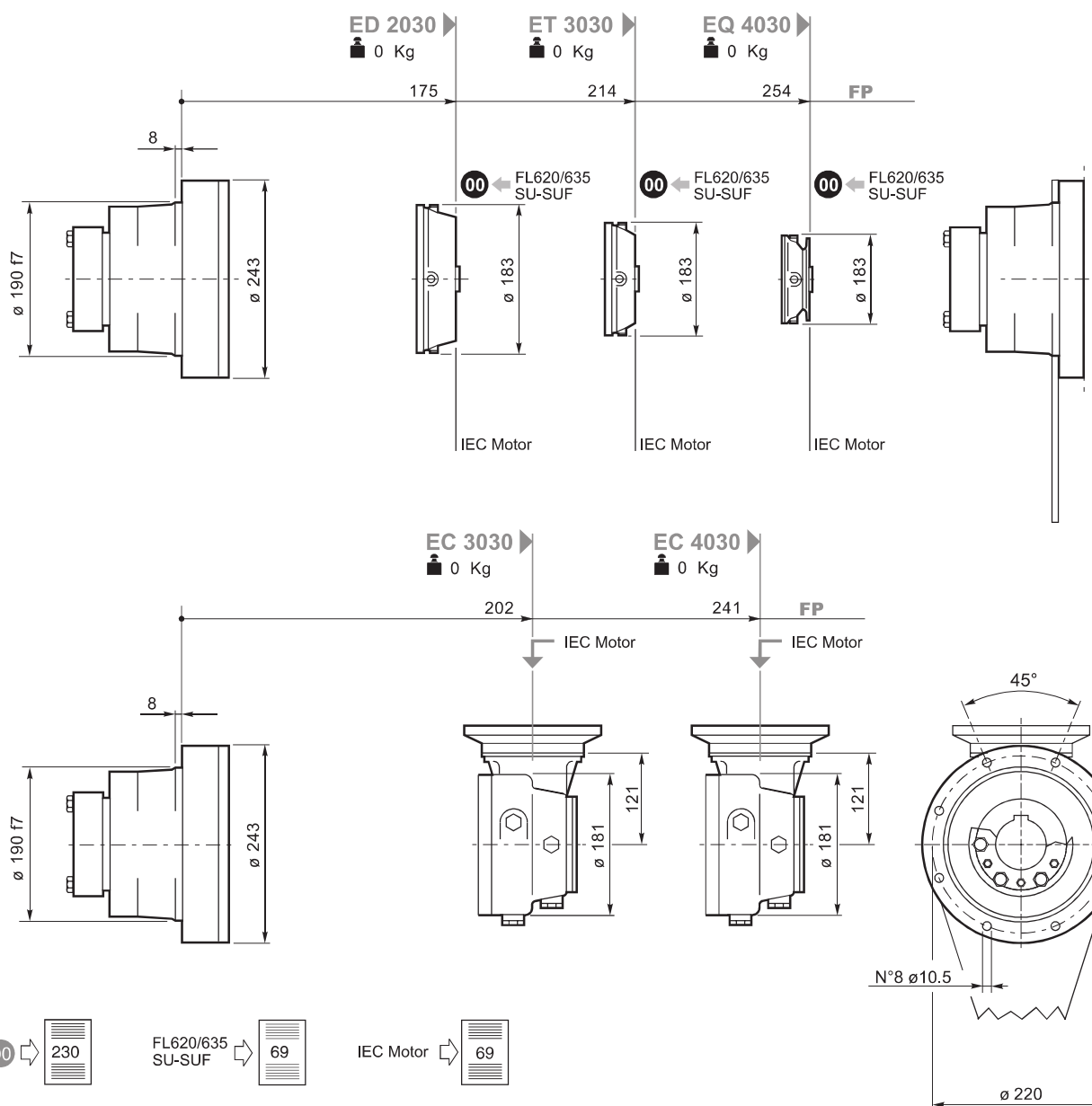
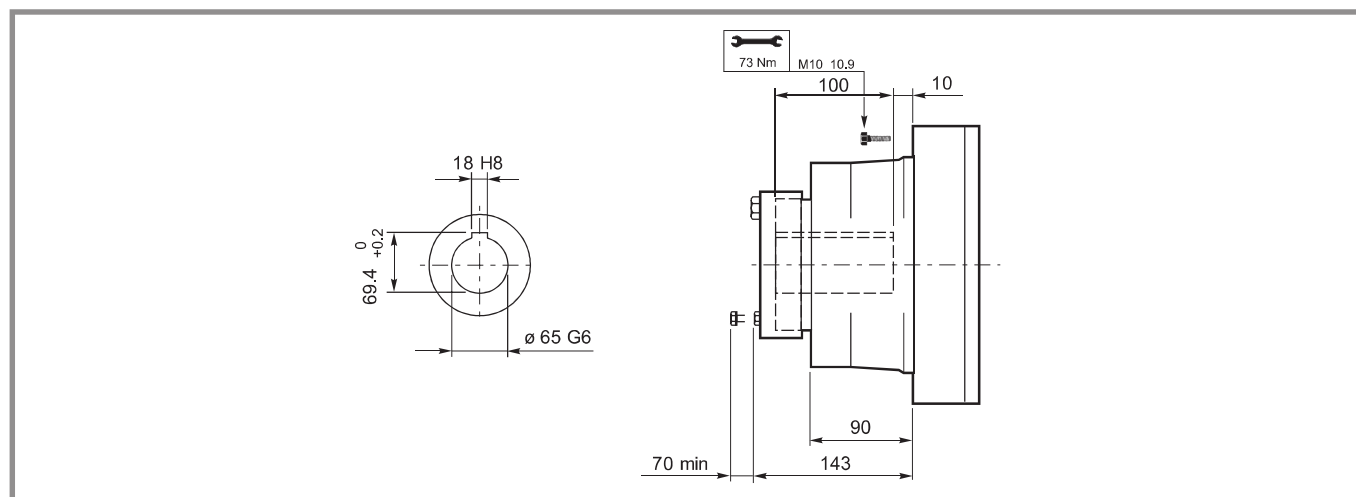
35.49	42.3	2050	9.1	28.2	2315	6.8	14.1	2850	4.2	6000	5
41.88	35.8	2419	9.1	23.9	2731	6.8	11.9	3363	4.2	6000	
46.09	32.5	2662	9.1	21.7	2873	6.5	10.8	2971	3.4	6000	
52.42	28.6	3028	9.1	19.1	3419	6.8	9.5	4210	4.2	6000	
54.39	27.6	3141	9.1	18.4	3390	6.5	9.2	3505	3.4	6000	
60.84	24.7	3136	8.1	16.4	3429	5.9	8.2	3967	3.4	6000	
68.09	22.0	3648	8.4	14.7	3978	6.1	7.3	4388	3.4	6000	
79.02	19.0	3323	6.6	12.7	3626	4.8	6.3	4185	2.8	6000	
88.66	16.9	3134	5.6	11.3	3474	4.1	5.6	3573	2.1	6000	
99.17	15.1	3491	5.5	10.1	3803	4.0	5.0	4380	2.3	6000	
111.0	13.5	3924	5.6	9.0	4350	4.1	4.5	4472	2.1	6000	
128.8	11.6	3690	4.5	7.8	4014	3.3	3.9	4614	1.9	6000	
140.2	10.7	2491	2.8	7.1	2632	2.0	3.6	3129	1.2	6000	
151.7	9.9	3455	3.6	6.6	3662	2.5	3.3	4107	1.4	6000	
176.0	8.5	3938	3.5	5.7	4251	2.5	2.8	4767	1.4	6000	
203.6	7.4	3619	2.8	4.9	3824	2.0	2.5	4546	1.2	6000	
215.8	7.0	3433	2.5	4.6	3736	1.8	2.3	4298	1.0	6000	
244.1	6.1	4166	2.7	4.1	4565	2.0	2.0	4851	1.0	6000	
282.3	5.3	3759	2.1	3.5	4157	1.5	1.8	4777	0.89	6000	

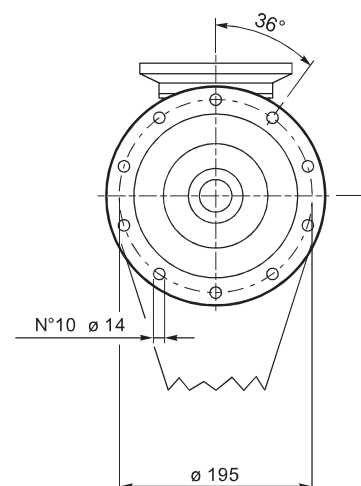
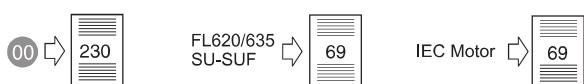
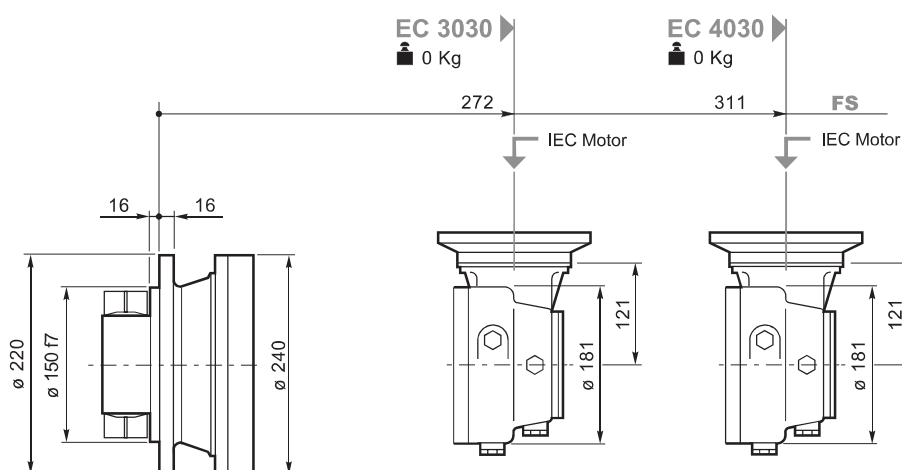
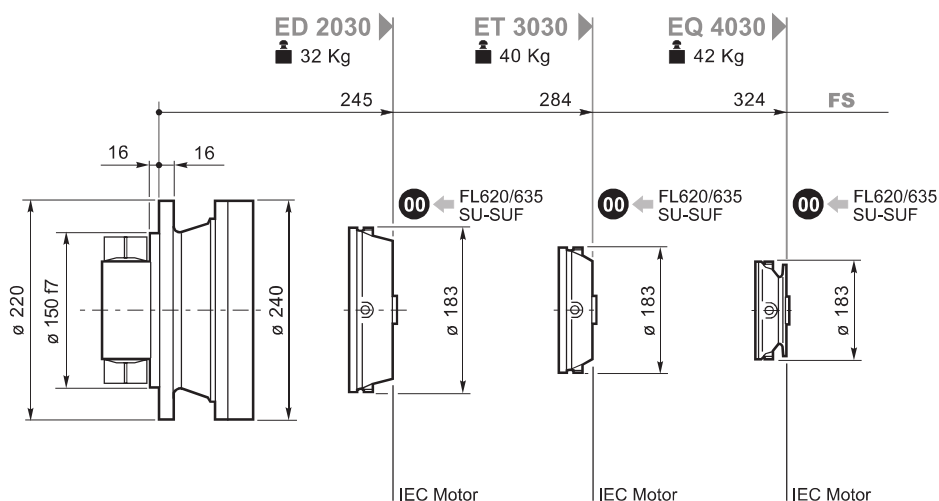
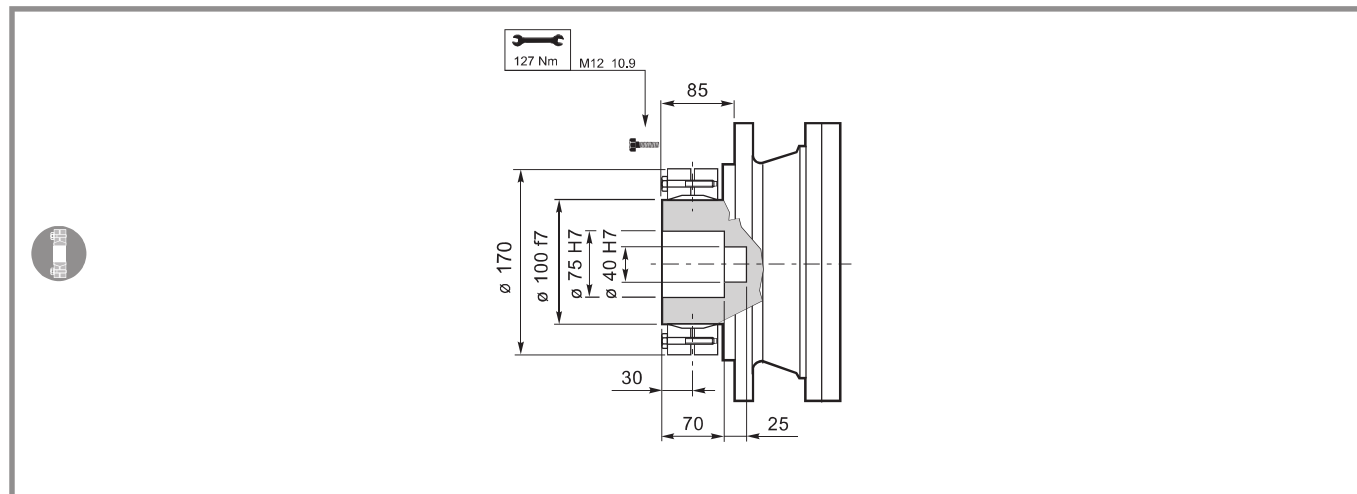
**EC 4030 - PDA 4030**

319.9	4.7	4027	2.0	3.1	4082	1.3	1.6	4363	0.71	6000	3
347.1	4.3	3442	1.6	2.9	3487	1.1	1.4	3845	0.58	6000	
401.5	3.7	3458	1.4	2.5	3524	0.92	1.2	3933	0.51	6000	
473.7	3.2	4081	1.4	2.1	4158	0.92	1.1	4641	0.51	6000	
481.2	3.1	3478	1.1	2.1	3628	0.79	1.0	4045	0.44	6000	
567.9	2.6	4104	1.1	1.8	4281	0.79	0.88	4774	0.44	6000	
656.8	2.3	4123	0.99	1.5	4381	0.70	0.76	4882	0.39	6000	
716.7	2.1	3642	0.80	1.4	3740	0.55	0.70	4160	0.30	6000	
822.2	1.8	5162	0.99	1.2	5485	0.70	0.61	6000	0.38	6000	
930.9	1.6	3984	0.67	1.1	4246	0.48	0.54	4721	0.27	6000	
993.8	1.5	3720	0.59	1.0	3933	0.41	0.50	4372	0.23	6000	
1165	1.3	4987	0.67	0.86	5315	0.48	0.43	5910	0.27	6000	
1291	1.2	4194	0.51	0.77	4465	0.36	0.39	4958	0.20	6000	
1352	1.1	5788	0.67	0.74	6000	0.46	0.37	6000	0.23	6000	
1616	0.93	5250	0.51	0.62	5590	0.36	0.31	6000	0.19	6000	
1848	0.81	5608	0.48	0.54	5965	0.34	0.27	6000	0.17	6000	
1959	0.77	5446	0.44	0.51	5792	0.31	0.26	6000	0.16	6000	
2208	0.68	5079	0.36	0.45	5397	0.26	0.23	5977	0.14	6000	
2563	0.59	5894	0.36	0.39	6000	0.25	0.20	6000	0.13	6000	
2964	0.51	5800	0.31	0.34	6000	0.21	0.17	6000	0.11	6000	
3097	0.48	5802	0.29	0.32	6000	0.20	0.16	6000	0.10	6000	

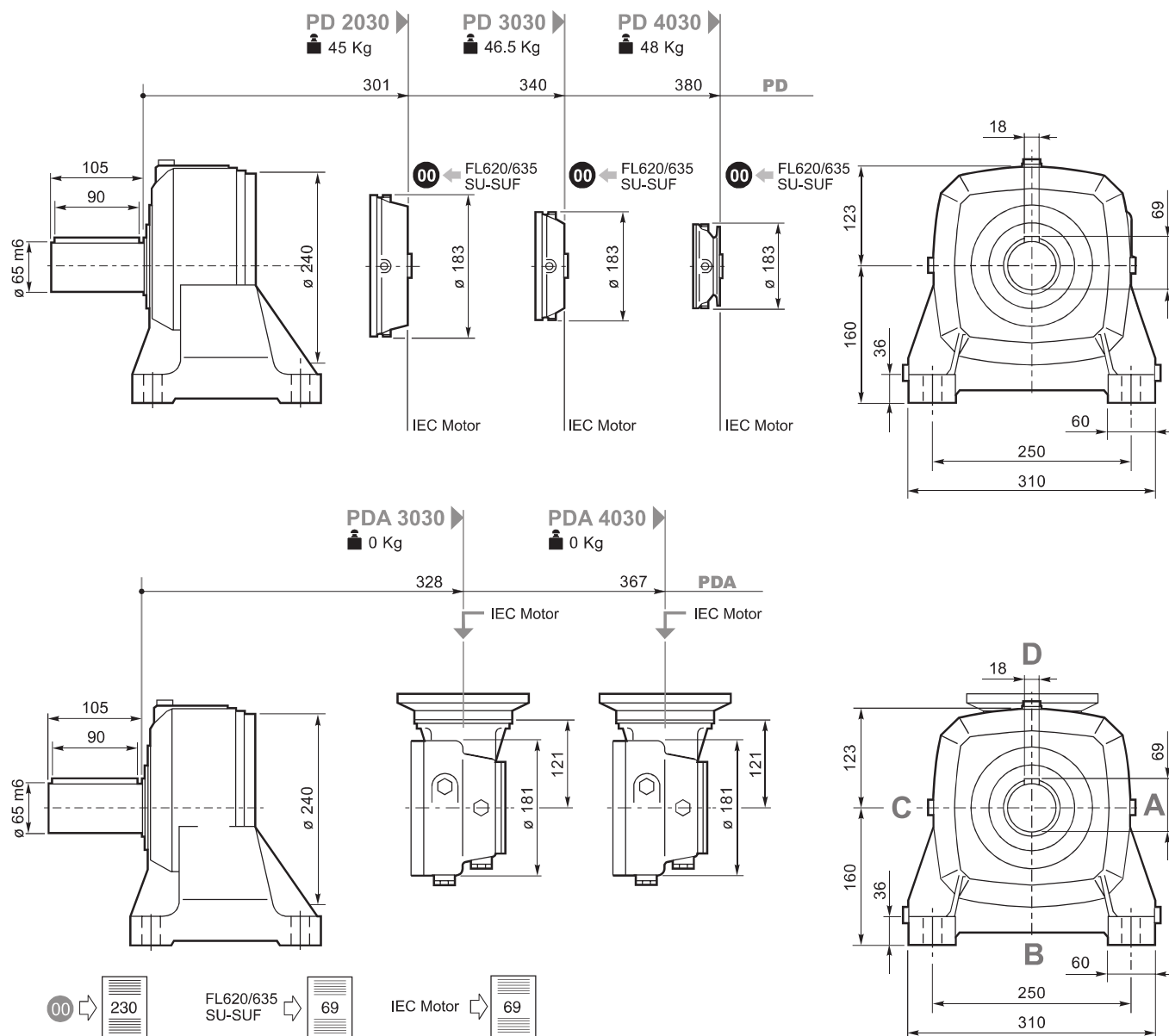
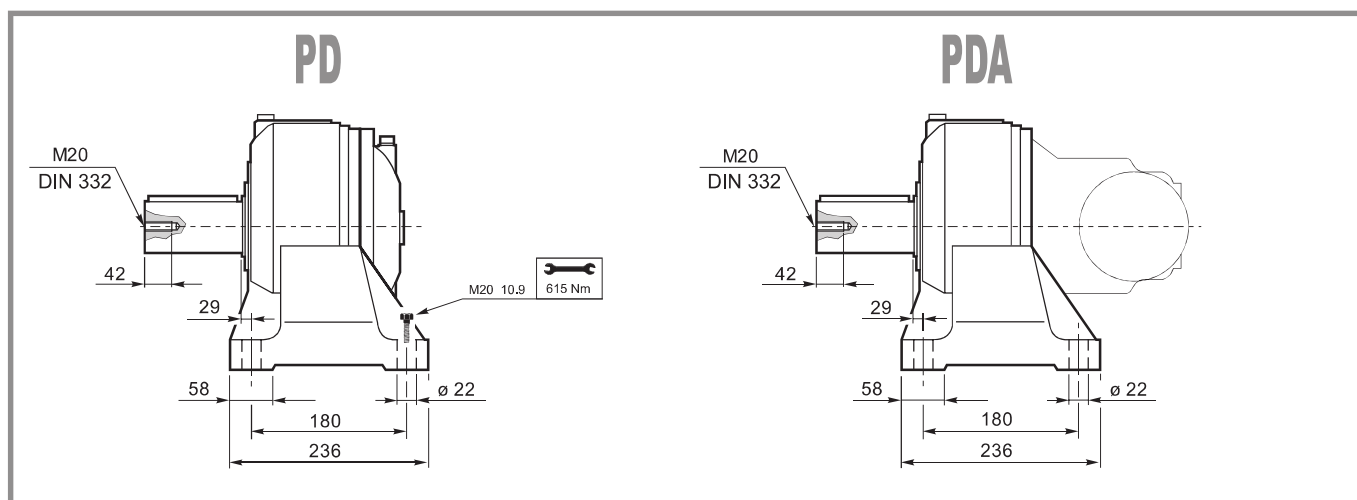




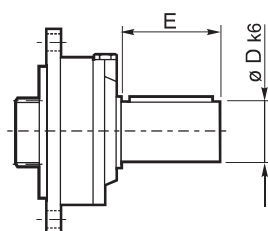




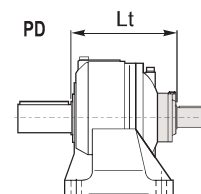
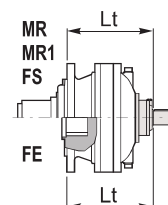




## SU2

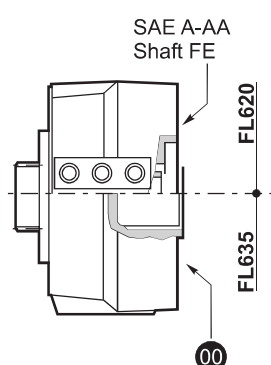


	D k6	E		Lt		
				MR-MR1-FS	FE	PD
SU 2	40	58	ED 2030	305	260	361
			ET 3030	344	300	400
			EQ 4030	401	339	440

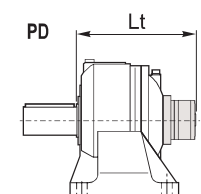
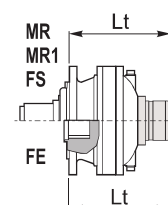


## FL620.10-FL635.10

## FL620.U-FL635.U

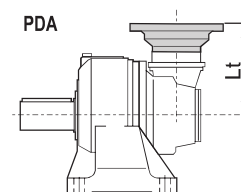
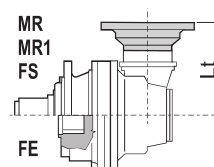
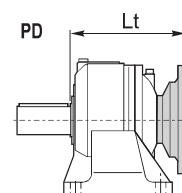
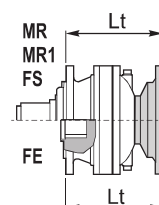


		Lt		
		MR-MR1-FS	FE	PD
FL620.U	ED 2030	349.5	304.5	405.5
	ET 3030	388.5	344.5	444.5
	EQ 4030	428.5	383.5	484.5
FL635.U	ED 2030	336	291	392
	ET 3030	375	331	431
	EQ 4030	415	370	471
FL620.10	ED 2030	309	264	470
	ET 3030	348	304	510
	EQ 4030	388	343	550
FL635.10	ED 2030	290	245	451
	ET 3030	329	285	491
	EQ 4030	369	324	531.1



## IEC Motor

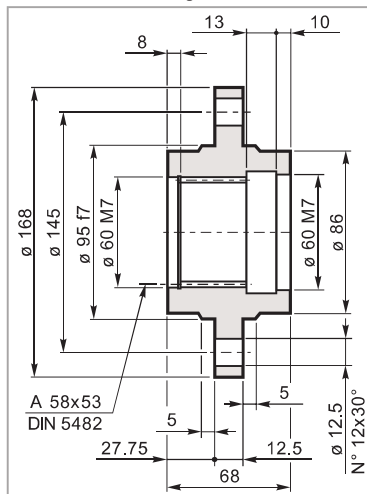
		Lt				
		IEC 63	IEC 71	IEC 80 90	IEC 100 112	IEC 132
ED 2030	MR-MR1-FS	265	267	272	273	340
ET 3030	MR-MR1-FS	304	306	311	312	379
EQ 4030	MR-MR1-FS	344	346	351	352	419
ED 2030	FE	220	222	227	228	295
ET 3030	FE	260	262	267	268	335
EQ 4030	FE	299	301	306	307	374
PD 2030	PD	320.5	322.5	327.5	328.5	395.5
PD 3030	PD	360	362	367	368	435
PD 4030	PD	399.5	401.5	406.5	407.5	474.5
EC 3030	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238
EC 4030	MR-MR1-FE-FS-FP-PDA	151	151	151	151	238





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

**FA 045**

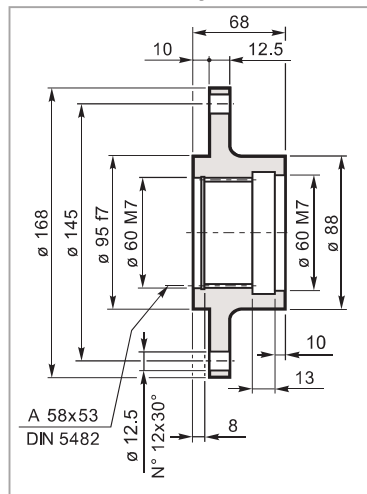


Mat. C40 UNI EN 10083  
Code: 34700641800



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

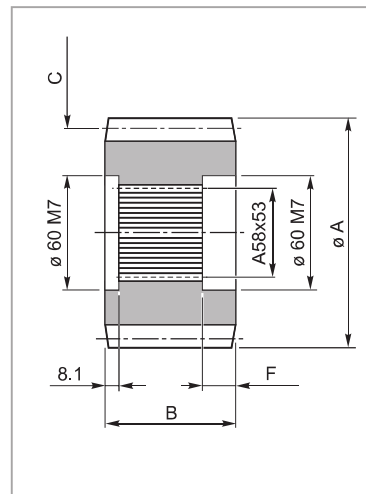
**FR 045**



Mat. C40 UNI EN 10083  
Code: 34700131800

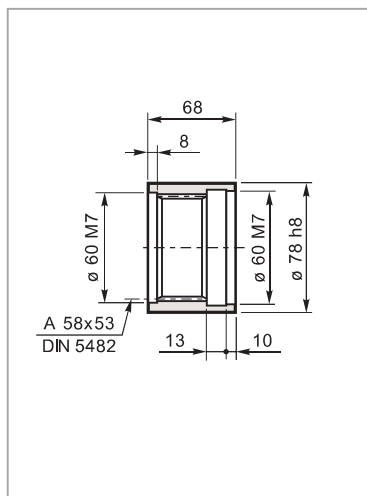


**Pignoni**  
Pinion  
Ritzel  
Pignon  
Piñones  
Pinhões



**Manicotto scanalato**  
Splined bush  
Keilmuffe  
Manchon cannelée  
Manguito acanalado  
Luva ranhurada

**MS 045**

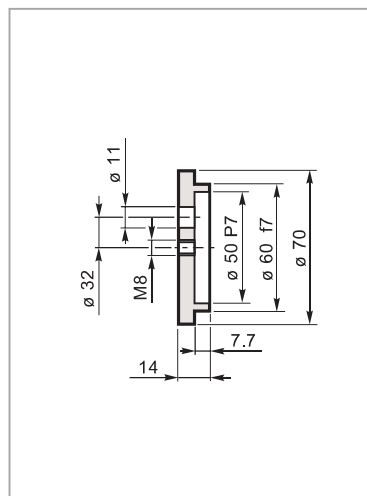


Mat. 39NiCrMo3 UNI EN 10083  
Code: 39102848500



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

**RDF 045**



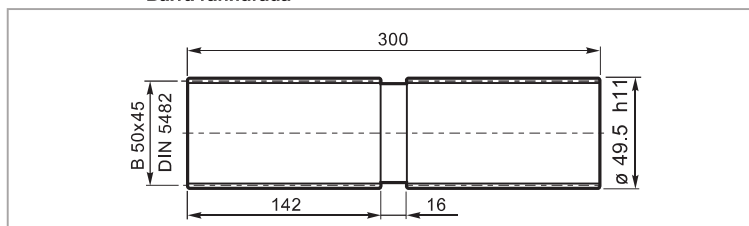
Mat. C40 UNI EN 10083  
Code: 37201040800

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



**Barra scanalata**  
Splined bar  
Zugspindel  
Barre cannelée  
Barra acanalada  
Barra ranhurada

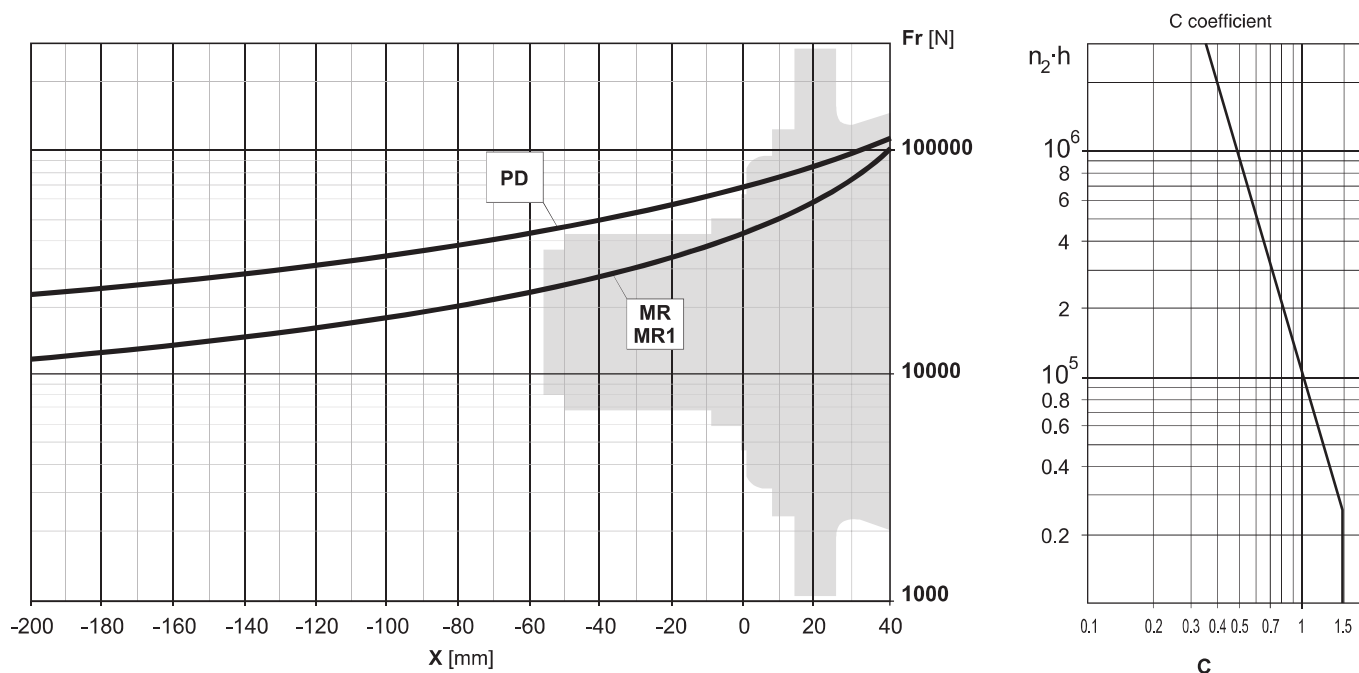
**BS 045**



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

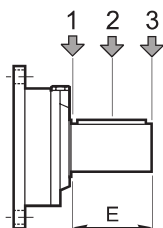
Carichi radiali sugli alberi uscita / Radial loads on output shafts  
 Radiallasten auf de Abtriebswellen / Charges radiales sur les arbres de sortie  
 Cargas sobre los ejes de salida / Cargas radiais nos eixos de saída



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

	Flange mounted		
		MN-MN1	MR-MR1
<b>Fa<sub>din</sub></b> [N]	—	35000	25000
<b>Fa<sub>max</sub></b> [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	<b>Fr [N]</b>					
		$n_1 \cdot h = 10^7$			$n_1 \cdot h = 10^8$		
		1	2	3	1	2	3
<b>SU2</b>	58	3000	2000	1500	1400	1000	700