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.

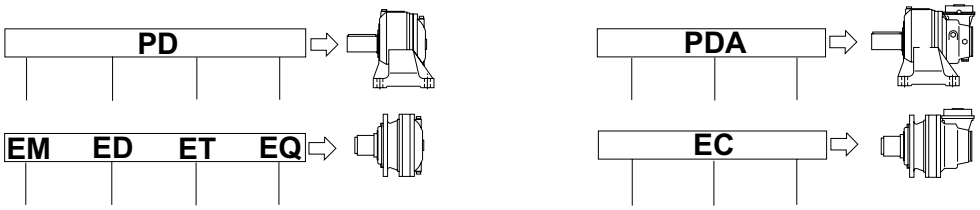
1. DESCRIZIONE RIDUTTORI

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

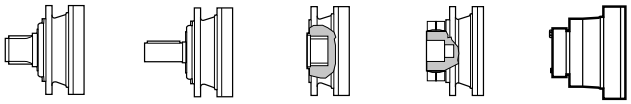
020, 010, 020, 010, 020, 010

MR

Configurazione uscita
Output configuration
Abtriebsanordnung

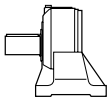
Versione con flangia / Flanged version / Version mit flansch

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**

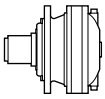
7. DATI TECNICI E TAVOLE DIMENSIONALI
TECHNICAL DATA AND DIMENSIONAL DRAWINGS
TECHNISCHE DATEN UND MASSBILDER
CARACTERISTIQUES TECHNIQUES ET PLANCHES DES DIMENSIONS
DATOS TÉCNICOS Y DISEÑOS DIMENSIONALES
DADOS TÉCNICOS E TABELAS DIMENSIONAIS



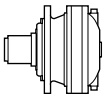
Serie Standard / Standard Series
Serie Standard / Série Standard
Serie Standard / Série Standard

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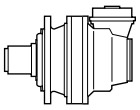
Type	i_{eff}	T_N [Nm]			
010	3.38 - 3282	1000	B40x36 DIN5482	42	34
020	3.08 - 3235	2100	B58x53 DIN5482	65	46
030	15.37 - 3097	3800	B58x53 DIN5482	65	60
040	15.37 - 3170	3800	B58x53 DIN5482	65	72
045	3.50 - 3301	3800	B58x53 DIN5482	65	80
046	3.50 - 3301	3800	B58x53 DIN5482	65	94
065	3.50 - 3170	6400	B70x64 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 1150											
3.90	385	4758	192	256	5374	144	128	6616	89	20000	
5.14	292	5006	153	195	5654	115	97	6961	71	20000	40
6.27	239	5178	130	159	5847	98	80	7199	60	20000	
ED 2150											
13.65	110	6103	70	73	6893	53	36.6	8486	32.6	20000	
16.11	93	6309	62	62	7125	46.3	31.0	8772	28.5	20000	
17.99	83	7290	64	56	8233	47.9	27.8	9317	27.1	20000	
20.16	74	6563	51	50	7412	38.5	24.8	9125	23.7	20000	
21.95	68	7540	54	45.6	8220	39.2	22.8	8771	20.9	20000	
26.57	56	8195	48.4	37.6	9057	35.7	18.8	9649	19.0	20000	23
28.28	53	6170	34.3	35.4	6613	24.5	17.7	7286	13.5	20000	
30.84	48.6	8570	43.7	32.4	9185	31.2	16.2	9776	16.6	20000	
37.27	40.3	8132	34.3	26.8	8716	24.5	13.4	9603	13.5	20000	
45.46	33.0	8477	29.3	22.0	8799	20.3	11.0	9353	10.8	20000	
ET 3150											
47.78	31.4	8888	29.2	20.9	10037	22.0	10.5	12357	13.5	20000	
56.37	26.6	9340	26.0	17.7	10548	19.6	8.9	12986	12.1	20000	
62.96	23.8	9448	23.6	15.9	9794	16.3	7.9	10392	8.6	20000	
70.57	21.3	9991	22.2	14.2	11283	16.7	7.1	13892	10.3	20000	
81.90	18.3	10447	20.0	12.2	11799	15.1	6.1	14526	9.3	20000	
93.01	16.1	9781	16.5	10.8	10129	11.4	5.4	11021	6.2	20000	
98.96	15.2	11058	17.6	10.1	12488	13.2	5.1	13856	7.3	20000	
107.9	13.9	9908	14.4	9.3	10258	10.0	4.6	11354	5.5	20000	
127.4	11.8	10050	12.4	7.9	10402	8.6	3.9	11733	4.8	20000	15
137.4	10.9	10115	11.6	7.3	10468	8.0	3.6	11910	4.5	20000	
159.4	9.4	10244	10.1	6.3	10684	7.0	3.1	12263	4.0	20000	
185.0	8.1	10374	8.8	5.4	11010	6.2	2.7	12623	3.6	20000	
192.7	7.8	10409	8.5	5.2	11099	6.0	2.6	12722	3.5	20000	
223.6	6.7	10539	7.4	4.5	11434	5.4	2.2	13093	3.1	20000	
235.0	6.4	9797	6.5	4.3	10399	4.6	2.1	11934	2.7	20000	
270.2	5.6	10643	6.2	3.7	11112	4.3	1.9	11921	2.3	20000	
329.6	4.6	10258	4.9	3.0	11128	3.5	1.5	12743	2.0	20000	
EQ 4150											
359.5	4.2	15642	6.8	2.8	16279	4.7	1.4	18842	2.7	20000	
391.2	3.8	15764	6.3	2.6	16578	4.4	1.3	19172	2.6	20000	
461.7	3.2	14336	4.9	2.2	14970	3.4	1.1	17336	2.0	20000	
491.4	3.1	16094	5.1	2.0	17403	3.7	1.0	19575	2.1	20000	
568.4	2.6	16464	4.6	1.8	17944	3.3	0.88	19845	1.8	20000	
645.5	2.3	12997	3.2	1.5	14044	2.3	0.77	15988	1.3	20000	
700.7	2.1	15008	3.4	1.4	16365	2.4	0.71	18879	1.4	20000	
810.4	1.9	15486	3.0	1.2	16872	2.2	0.62	19271	1.2	20000	
883.9	1.7	13803	2.5	1.1	14900	1.8	0.57	16938	1.0	20000	
1039	1.4	15905	2.4	0.96	16561	1.7	0.48	17700	0.89	20000	
1110	1.4	14412	2.0	0.90	15418	1.5	0.45	17656	0.83	20000	11
1226	1.2	16903	2.2	0.82	18375	1.6	0.41	19586	0.84	20000	
1342	1.1	14755	1.7	0.75	16075	1.3	0.37	18272	0.71	20000	
1552	0.97	15177	1.5	0.64	16539	1.1	0.32	18757	0.63	20000	
1875	0.80	13067	1.1	0.53	14330	0.80	0.27	16674	0.47	20000	
2023	0.74	16117	1.3	0.49	17360	0.90	0.25	19669	0.51	20000	
2348	0.64	16565	1.1	0.43	17836	0.80	0.21	20000	0.44	20000	
2468	0.61	15148	0.96	0.41	16325	0.69	0.20	18512	0.39	20000	
2837	0.53	14358	0.80	0.35	15701	0.58	0.18	18194	0.34	20000	
3460	0.43	16125	0.73	0.29	17364	0.53	0.14	19665	0.30	20000	



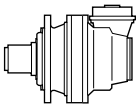
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EM 1150											
3.90	385	8407	339	256	9494	255	128	11689	157	20000	
5.14	292	8376	256	195	8905	181	97	9679	99	20000	40
6.27	239	8045	202	159	8487	142	80	9162	77	20000	
ED 2150											
13.65	110	10783	124	73	12178	93	36.6	14716	56	20000	
16.11	93	11147	109	62	12138	79	31.0	13452	43.7	20000	
17.99	83	9838	86	56	10241	60	27.8	11540	33.6	20000	
20.16	74	9403	73	49.6	10112	53	24.8	11134	28.9	20000	
21.95	68	9303	67	45.6	9669	46.1	22.8	10831	25.8	20000	
26.57	56	10226	60	37.6	10840	42.7	18.8	12479	24.6	20000	23
28.28	53	7619	42.3	35.4	8102	30.0	17.7	8841	16.4	20000	
30.84	48.6	10371	53	32.4	11181	38.0	16.2	12851	21.8	20000	
37.27	40.3	10042	42.3	26.8	10678	30.0	13.4	11652	16.4	20000	
45.46	33.0	10032	34.7	22.0	10909	25.1	11.0	12521	14.4	20000	
ET 3150											
47.78	31.4	15012	49.4	20.9	15748	34.5	10.5	18220	20.0	20000	
56.37	26.6	15320	42.7	17.7	16176	30.0	8.9	18882	17.5	20000	
62.96	23.8	11905	29.7	15.9	12903	21.5	7.9	14741	12.3	20000	
70.57	21.3	15721	35.0	14.2	17035	25.3	7.1	19800	14.7	20000	
81.90	18.3	16055	30.8	12.2	17613	22.5	6.1	19402	12.4	20000	
93.01	16.1	12864	21.7	10.8	13915	15.7	5.4	15858	8.9	20000	
98.96	15.2	14449	22.9	10.1	15342	16.2	5.1	16706	8.8	20000	
107.9	13.9	13243	19.3	9.3	14316	13.9	4.6	16302	7.9	20000	
127.4	11.8	13674	16.9	7.9	14773	12.1	3.9	16806	6.9	20000	15
137.4	10.9	13874	15.9	7.3	14985	11.4	3.6	17041	6.5	20000	
159.4	9.4	14275	14.1	6.3	15409	10.1	3.1	17511	5.8	20000	
185.0	8.1	14512	12.3	5.4	15694	8.9	2.7	17991	5.1	20000	
192.7	7.8	14796	12.1	5.2	15962	8.7	2.6	18123	4.9	20000	
223.6	6.7	14934	10.5	4.5	16376	7.7	2.2	18617	4.4	20000	
235.0	6.4	13902	9.3	4.3	15004	6.7	2.1	17050	3.8	20000	
270.2	5.6	12875	7.5	3.7	14154	5.5	1.9	16507	3.2	20000	
329.6	4.6	14817	7.1	3.0	15976	5.1	1.5	18127	2.9	20000	
EQ 4150											
359.5	4.2	20000	8.8	2.8	20000	5.9	1.4	20000	2.9	20000	
391.2	3.8	20000	8.0	2.6	20000	5.4	1.3	20000	2.7	20000	
461.7	3.2	19343	6.6	2.2	20000	4.6	1.1	20000	2.3	20000	
491.4	3.1	20000	6.5	2.0	20000	4.2	1.0	20000	2.1	20000	
568.4	2.6	20000	5.4	1.8	20000	3.8	0.88	20000	1.8	20000	
645.5	2.3	18488	4.5	1.5	19883	3.2	0.77	20000	1.6	20000	
700.7	2.1	20000	4.4	1.4	20000	2.9	0.71	20000	1.5	20000	
810.4	1.9	20000	4.0	1.2	20000	2.5	0.62	20000	1.3	20000	
883.9	1.7	19562	3.5	1.1	20000	2.3	0.57	20000	1.2	20000	
1039	1.4	20000	2.9	0.96	20000	2.0	0.48	20000	1.0	20000	
1110	1.4	20000	2.9	0.90	20000	1.9	0.45	20000	0.94	20000	11
1226	1.2	20000	2.5	0.82	20000	1.7	0.41	20000	0.86	20000	
1342	1.1	20000	2.3	0.75	20000	1.6	0.37	20000	0.77	20000	
1552	0.97	20000	2.0	0.64	20000	1.3	0.32	20000	0.67	20000	
1875	0.80	19683	1.6	0.53	20000	1.1	0.27	20000	0.57	20000	
2023	0.74	20000	1.5	0.49	20000	1.0	0.25	20000	0.52	20000	
2348	0.64	20000	1.3	0.43	20000	0.90	0.21	20000	0.44	20000	
2468	0.61	20000	1.3	0.41	20000	0.86	0.20	20000	0.42	20000	
2837	0.53	20000	1.1	0.35	20000	0.73	0.18	20000	0.38	20000	
3460	0.43	20000	0.90	0.29	20000	0.61	0.14	20000	0.29	20000	



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 2150 - PDA 2150											
10.73	140	4179	61	93	4719	46.1	46.6	5810	28.4	20000	
14.14	106	5508	61	71	6220	46.1	35.4	7658	28.4	20000	
17.99	83	4041	35.3	56	4564	26.6	27.8	5619	16.4	20000	
18.99	79	3067	25.4	53	3463	19.1	26.3	4264	11.8	16483	18
21.95	68	4929	35.3	45.6	5567	26.6	22.8	6854	16.4	20000	
25.03	60	4042	25.4	40.0	4565	19.1	20.0	5620	11.8	20000	
30.53	49.1	4931	25.4	32.8	5568	19.1	16.4	6856	11.8	20000	
EC 3150 - PDA 3150											
48.32	31.0	8772	28.5	20.7	9907	21.5	10.3	12197	13.2	20000	
53.97	27.8	9317	27.1	18.5	9662	18.7	9.3	10258	10.0	20000	
63.06	23.8	6172	15.4	15.9	6970	11.6	7.9	8581	7.1	20000	
74.41	20.2	7283	15.4	13.4	8225	11.6	6.7	10126	7.1	20000	
83.11	18.0	8134	15.4	12.0	9186	11.6	6.0	10774	6.8	20000	
92.52	16.2	9776	16.6	10.8	10124	11.5	5.4	11010	6.2	20000	
98.07	15.3	9598	15.4	10.2	10175	10.9	5.1	11139	5.9	20000	15
111.8	13.4	9603	13.5	8.9	10087	9.4	4.5	10893	5.1	20000	
122.8	12.2	10019	12.8	8.1	10369	8.8	4.1	11648	5.0	20000	
142.5	10.5	10147	11.2	7.0	10500	7.7	3.5	11995	4.4	20000	
149.8	10.0	9429	9.9	6.7	9760	6.8	3.3	10918	3.8	20000	
172.2	8.7	10118	9.2	5.8	10590	6.4	2.9	11394	3.5	20000	
210.0	7.1	9704	7.3	4.8	10164	5.1	2.4	11674	2.9	20000	
EC 4150 - PDA 4150											
260.5	5.8	14782	8.9	3.8	15762	6.3	1.9	17618	3.5	20000	
296.9	5.1	13856	7.3	3.4	14532	5.1	1.7	15656	2.8	20000	
326.0	4.6	15501	7.5	3.1	16087	5.2	1.5	18465	3.0	20000	
350.3	4.3	13973	6.3	2.9	14507	4.3	1.4	16365	2.4	20000	
384.7	3.9	14096	5.8	2.6	14631	4.0	1.3	16690	2.3	20000	
457.2	3.3	14576	5.0	2.2	15235	3.5	1.1	16354	1.9	20000	
498.7	3.0	12363	3.9	2.0	13370	2.8	1.0	15240	1.6	20000	
555.1	2.7	12623	3.6	1.8	13647	2.6	0.90	15418	1.5	20000	10
634.7	2.4	12955	3.2	1.6	13999	2.3	0.79	15938	1.3	20000	
711.0	2.1	13241	2.9	1.4	14303	2.1	0.70	16275	1.2	20000	
810.5	1.9	11921	2.3	1.2	12403	1.6	0.62	13868	0.90	20000	
890.1	1.7	13821	2.4	1.1	14920	1.8	0.56	16960	1.0	20000	
1033	1.5	14217	2.2	0.97	15172	1.5	0.48	17427	0.88	20000	
1086	1.4	12975	1.9	0.92	14015	1.4	0.46	15947	0.77	20000	
1248	1.2	12435	1.6	0.80	13063	1.1	0.40	15269	0.64	20000	
1523	0.99	13838	1.4	0.66	14932	1.0	0.33	16965	0.58	20000	

Tutti i rapporti evidenziati (es. 10.73) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.
All ratios grey highlighted (ex. 10.73) have specific dimensions of the bevel gear set in some versions; see dimensional tables.
Alle mit (es. 10.73) gekennzeichneten Übersetzungen haben in bestimmten Versionen besondere Dimensionen des Kegelradtriebs. Siehe auch Dimensionstabellen.
Les rapports repérés par (es. 10.73) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.
Todas las relaciones indicadas con (es. 10.73) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.
As relações marcadas com (es. 10.73) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

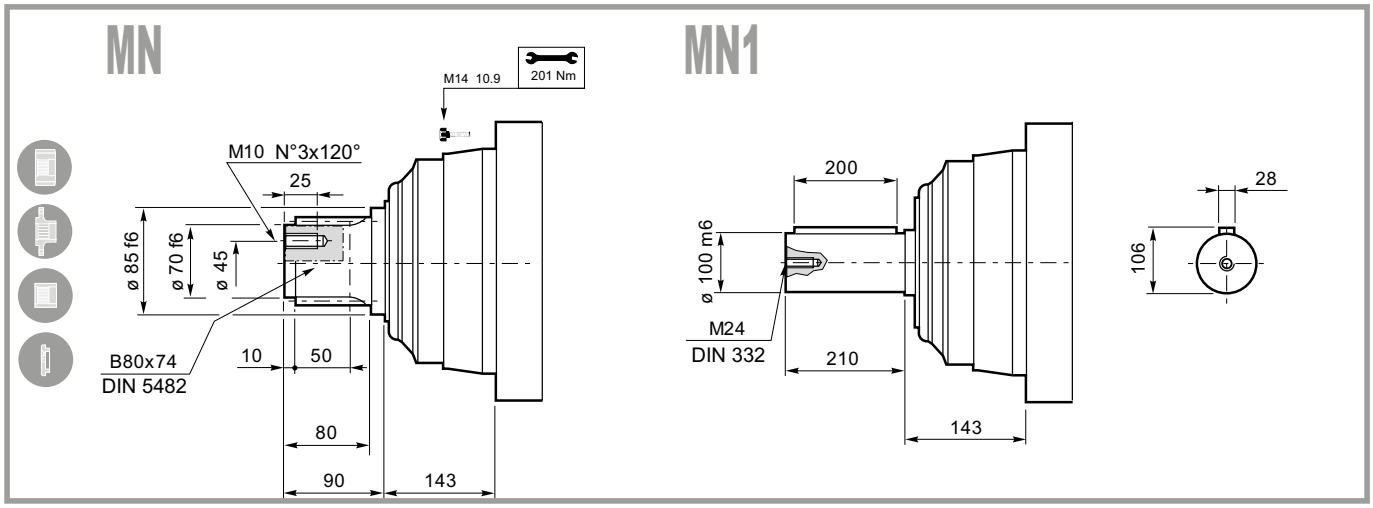
* bg 167

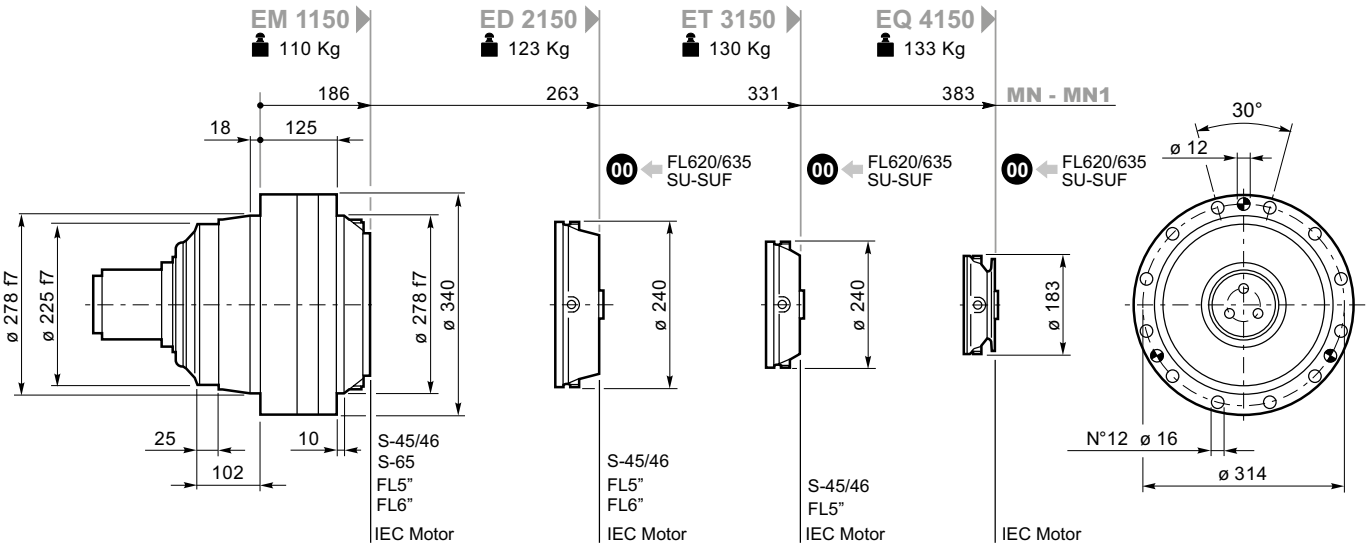


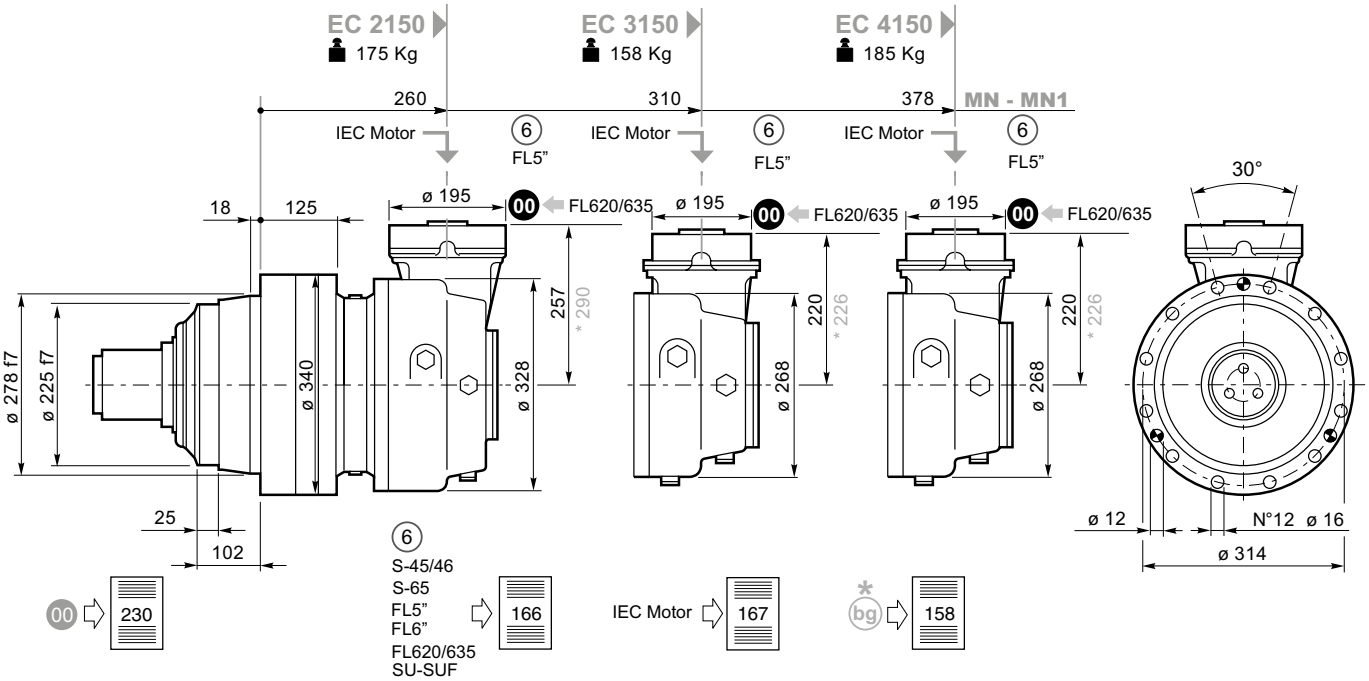
i_{eff}	1500			1000			500			T_{2max} [Nm]	P_T [kW]
	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]	n_2 [rpm]	T_2 [Nm]	P_2 [kW]		
EC 2150 - PDA 2150											
10.73	140	7383	108	93	8338	81	46.6	10266	50	20000	
14.14	106	9588	107	71	10003	74	35.4	10981	40.7	20000	
17.99	83	7139	62	56	8063	46.9	27.8	9927	28.9	20000	
18.99	79	5419	44.8	53	6119	33.7	26.3	7119	19.6	16483	18
21.95	68	8709	62	45.6	9669	46.1	22.8	10831	25.8	20000	
25.03	60	7141	44.8	40.0	8065	33.7	20.0	9382	19.6	20000	
30.53	49.1	8712	44.8	32.8	9838	33.7	16.4	11445	19.6	20000	
EC 3150 - PDA 3150											
48.32	31.0	13452	43.7	20.7	14120	30.6	10.3	15938	17.3	20000	
53.97	27.8	11540	33.6	18.5	12517	24.3	9.3	14316	13.9	20000	
63.06	23.8	10904	27.2	15.9	12315	20.5	7.9	15161	12.6	20000	
74.41	20.2	12867	27.2	13.4	14531	20.5	6.7	17503	12.3	20000	
83.11	18.0	12583	23.8	12.0	13618	17.2	6.0	15529	9.8	20000	
92.52	16.2	12851	21.8	10.8	13901	15.7	5.4	15694	8.9	20000	
98.07	15.3	12998	20.8	10.2	14057	15.0	5.1	16015	8.6	20000	15
111.8	13.4	11652	16.4	8.9	12189	11.4	4.5	13549	6.3	20000	
122.8	12.2	13577	17.4	8.1	14670	12.5	4.1	16693	7.1	20000	
142.5	10.5	13971	15.4	7.0	14777	10.9	3.5	17155	6.3	20000	
149.8	10.0	12751	13.4	6.7	13783	9.6	3.3	15696	5.5	20000	
172.2	8.7	12224	11.2	5.8	12750	7.8	2.9	14952	4.5	20000	
210.0	7.1	13608	10.2	4.8	14692	7.3	2.4	16703	4.2	20000	
EC 4150 - PDA 4150											
260.5	5.8	20000	12.1	3.8	20000	8.0	1.9	20000	4.0	20000	
296.9	5.1	16706	8.8	3.4	17456	6.2	1.7	19349	3.4	20000	
326.0	4.6	20000	9.6	3.1	20000	6.5	1.5	20000	3.1	20000	
350.3	4.3	19192	8.6	2.9	19413	5.8	1.4	20000	2.9	20000	
384.7	3.9	19244	7.9	2.6	19676	5.4	1.3	20000	2.7	20000	
457.2	3.3	17504	6.0	2.2	18238	4.2	1.1	20000	2.3	20000	
498.7	3.0	17644	5.6	2.0	18986	4.0	1.0	20000	2.1	20000	
555.1	2.7	17991	5.1	1.8	19354	3.7	0.90	20000	1.9	20000	10
634.7	2.4	18433	4.6	1.6	19823	3.3	0.79	20000	1.7	20000	
711.0	2.1	18814	4.2	1.4	20000	2.9	0.70	20000	1.5	20000	
810.5	1.9	16507	3.2	1.2	17994	2.3	0.62	20000	1.3	20000	
890.1	1.7	19587	3.5	1.1	20000	2.3	0.56	20000	1.2	20000	
1033	1.5	20000	3.1	0.97	20000	2.0	0.48	20000	1.0	20000	
1086	1.4	18435	2.7	0.92	19821	1.9	0.46	20000	0.96	20000	
1248	1.2	18094	2.3	0.80	19677	1.7	0.40	20000	0.84	20000	
1523	0.99	19585	2.0	0.66	20000	1.4	0.33	20000	0.69	20000	

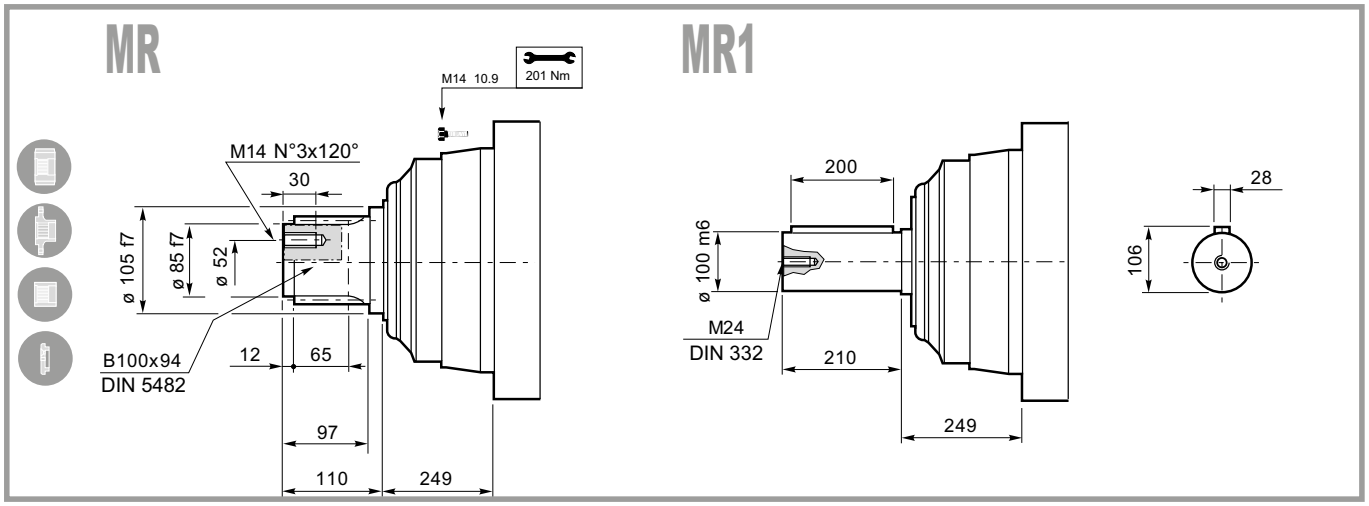
Tutti i rapporti evidenziati (es. 10.73) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.
All ratios grey highlighted (ex. 10.73) have specific dimensions of the bevel gear set in some versions; see dimensional tables.
Alle mit (es. 10.73) gekennzeichneten Übersetzungen haben in bestimmten Versionen besondere Dimensionen des Kegelradtriebs. Siehe auch Dimensionstabellen.
Les rapports repérés par (es. 10.73) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.
Todas las relaciones indicadas con (es. 10.73) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.
As relações marcadas com (es. 10.73) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

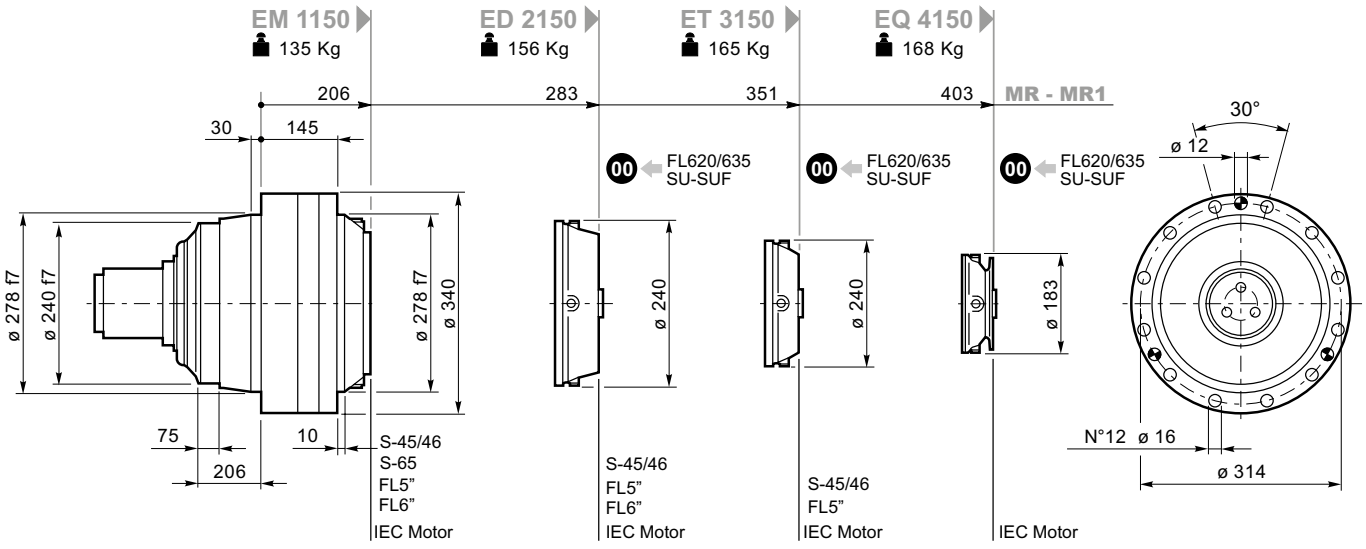
* bg 167

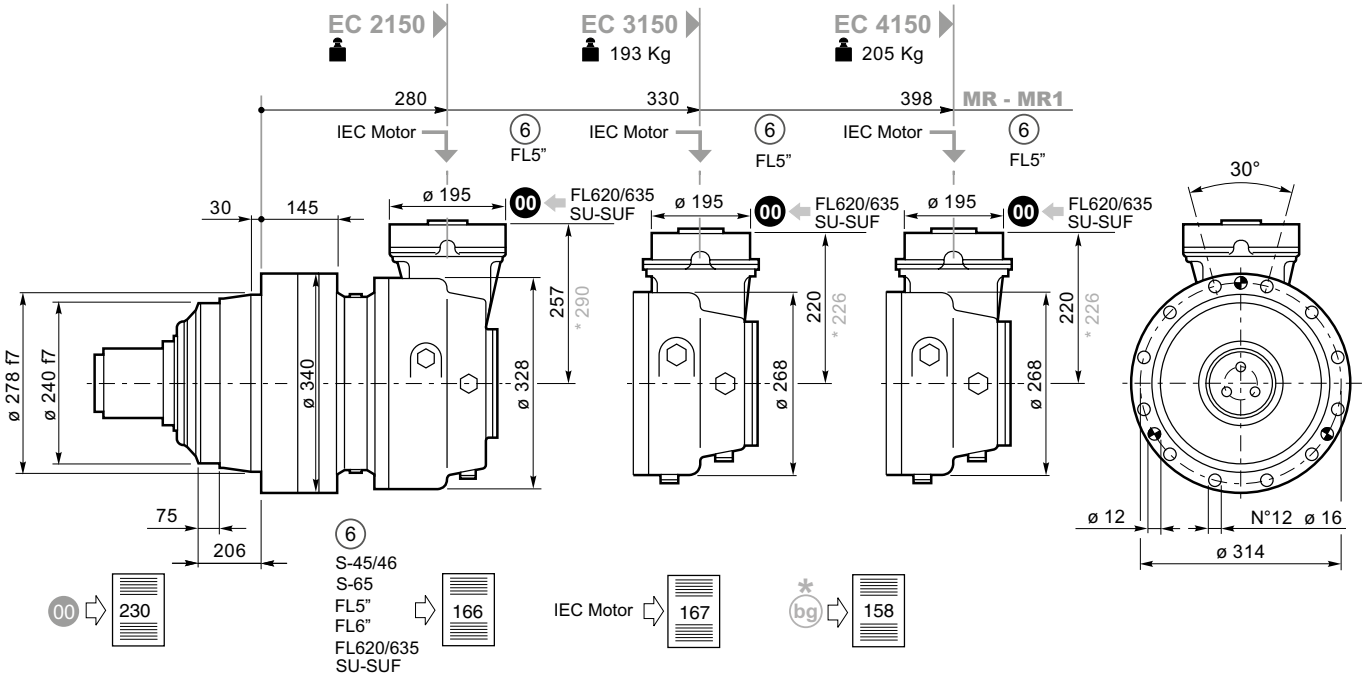

MN
MN1
M14 10.9
201 Nm
M10 N°3x120°
25
ø 85 f6
ø 70 f6
ø 45
B80x74
DIN 5482
10
50
80
90
143
200
ø 100 m6
M24
DIN 332
210
143
28
106

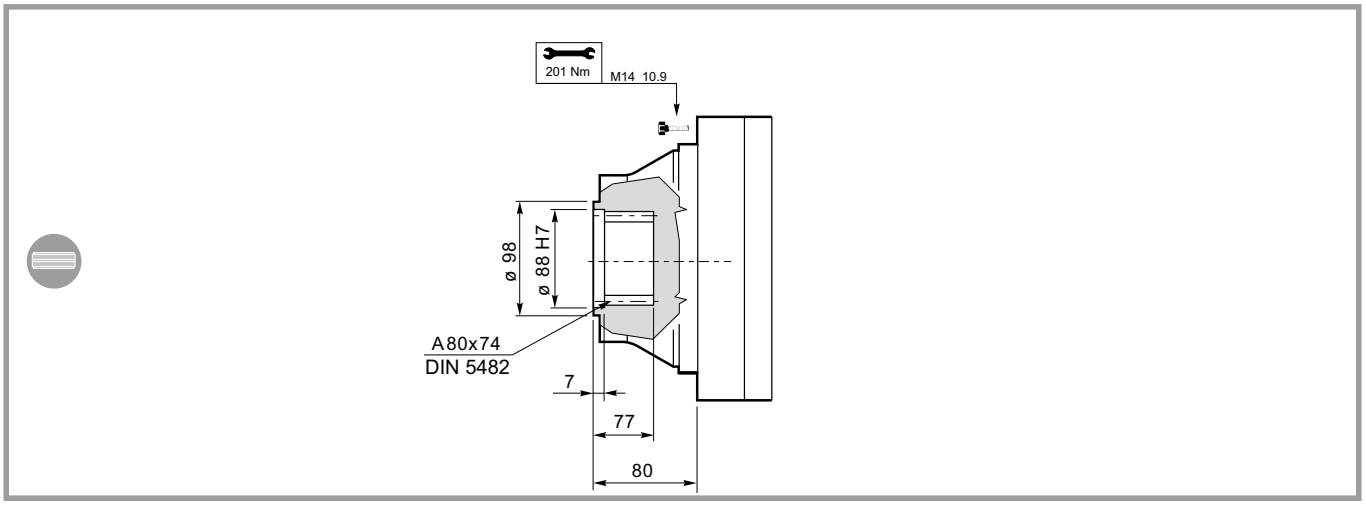

EM 1150
110 Kg
ED 2150
123 Kg
ET 3150
130 Kg
EQ 4150
133 Kg
186
263
331
383
MN - MN1
18
125
00 FL620/635 SU-SUF
ø 278 f7
ø 225 f7
ø 340
ø 240
ø 183
25
102
10
S-45/46
S-65
FL5"
FL6"
IEC Motor
30°
ø 12
N°12 ø 16
ø 314

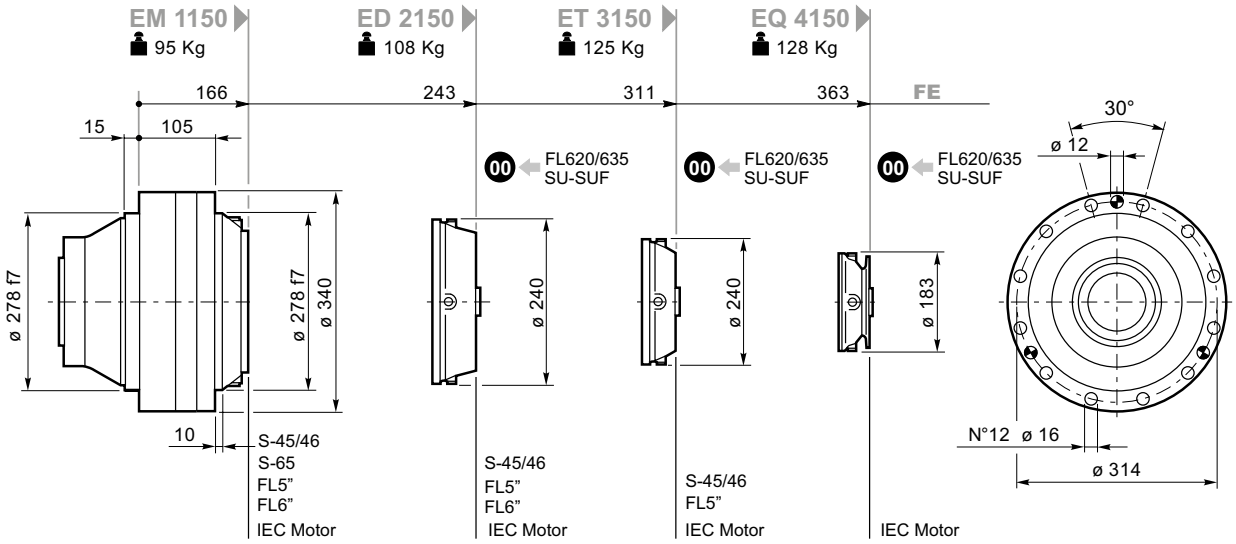

EC 2150
175 Kg
EC 3150
158 Kg
EC 4150
185 Kg
260
310
378
MN - MN1
IEC Motor
6
FL5"
ø 195
00 FL620/635
18
125
ø 278 f7
ø 225 f7
ø 340
ø 328
257
* 290
ø 268
220
* 226
25
102
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
166
IEC Motor
167
bg
158
00
230
30°
ø 12
N°12 ø 16
ø 314

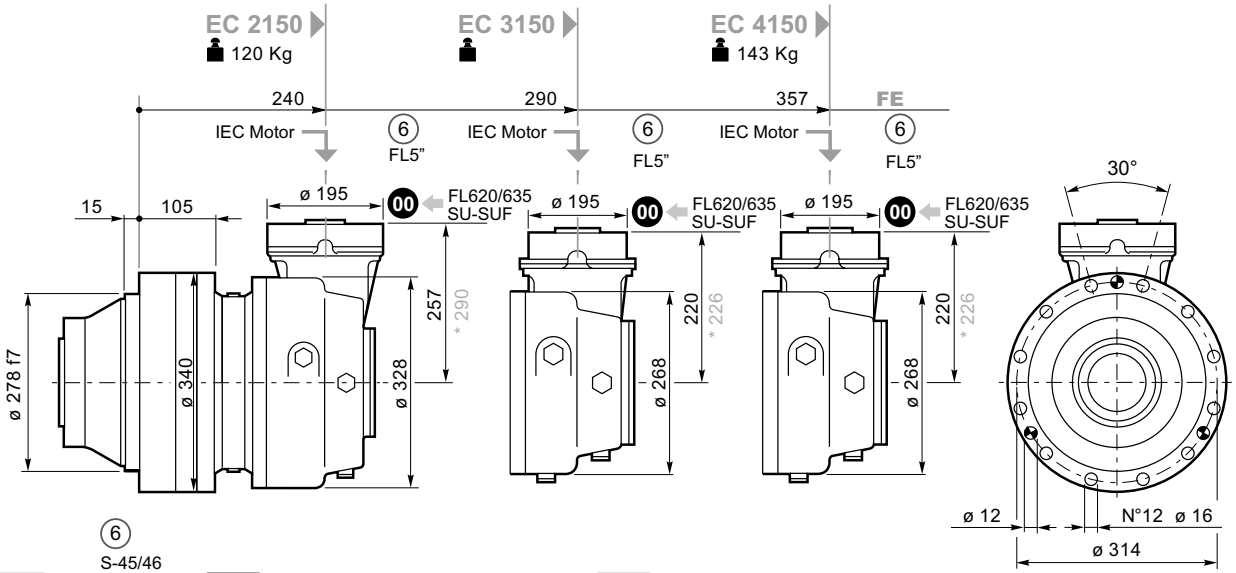

MR
MR1
M14 10.9
201 Nm
M14 N°3x120°
30
ø 105 f7
ø 85 f7
ø 52
B100x94
DIN 5482
12
65
97
110
249
200
ø 100 m6
M24
DIN 332
210
249
28
106


EM 1150
135 Kg
ED 2150
156 Kg
ET 3150
165 Kg
EQ 4150
168 Kg
206
283
351
403
MR - MR1
30
145
FL620/635
SU-SUF
ø 278 f7
ø 240 f7
ø 340
ø 240
ø 240
ø 183
75
206
10
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
30°
ø 12
N°12 ø 16
ø 314

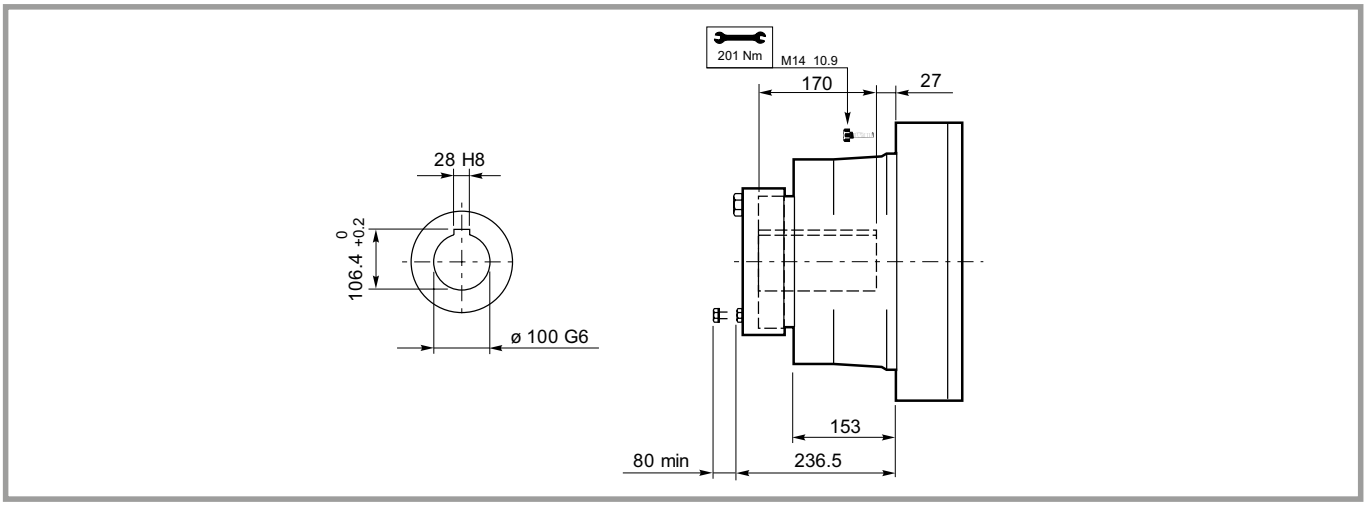

EC 2150
EC 3150
193 Kg
EC 4150
205 Kg
280
330
398
MR - MR1
IEC Motor
6
FL5"
30
145
ø 195
FL620/635
SU-SUF
ø 278 f7
ø 240 f7
ø 340
ø 328
257
* 290
ø 268
220
* 226
75
206
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
IEC Motor
30°
ø 12
N°12 ø 16
ø 314
230
166
167
158

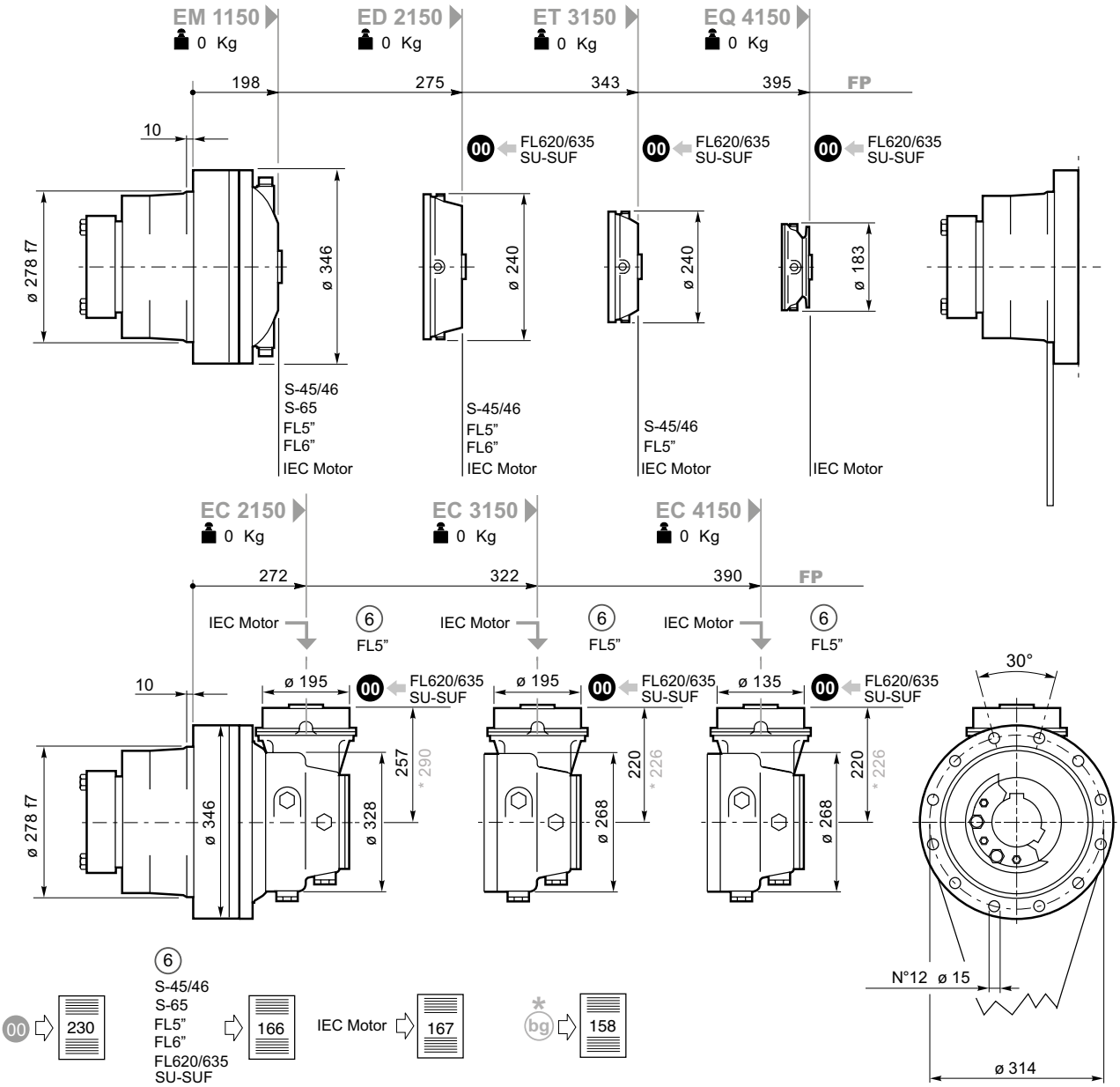


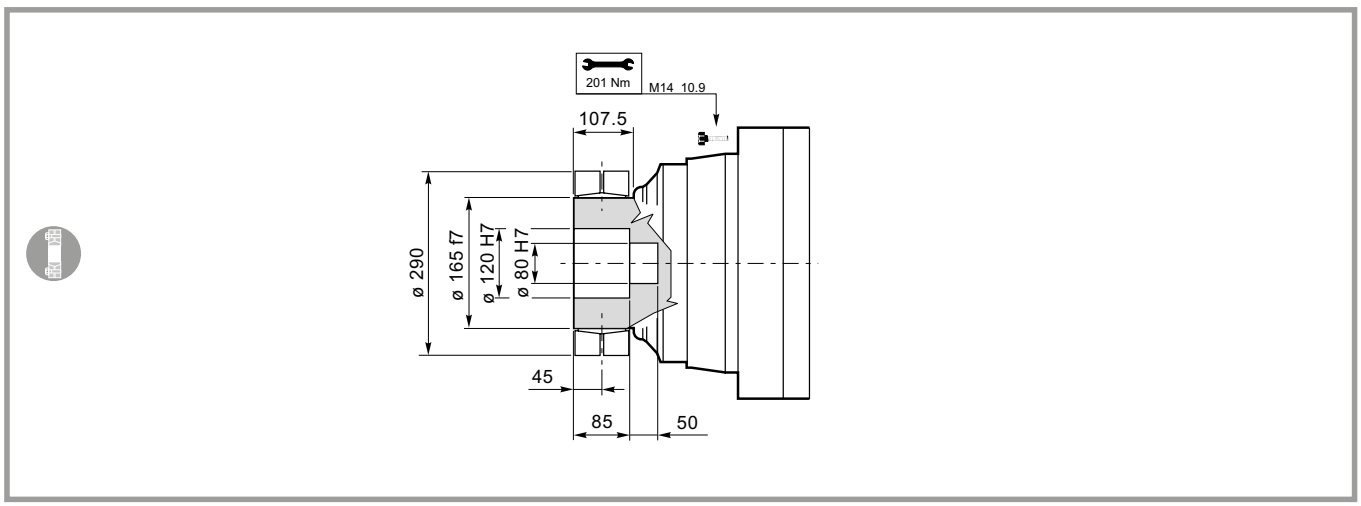


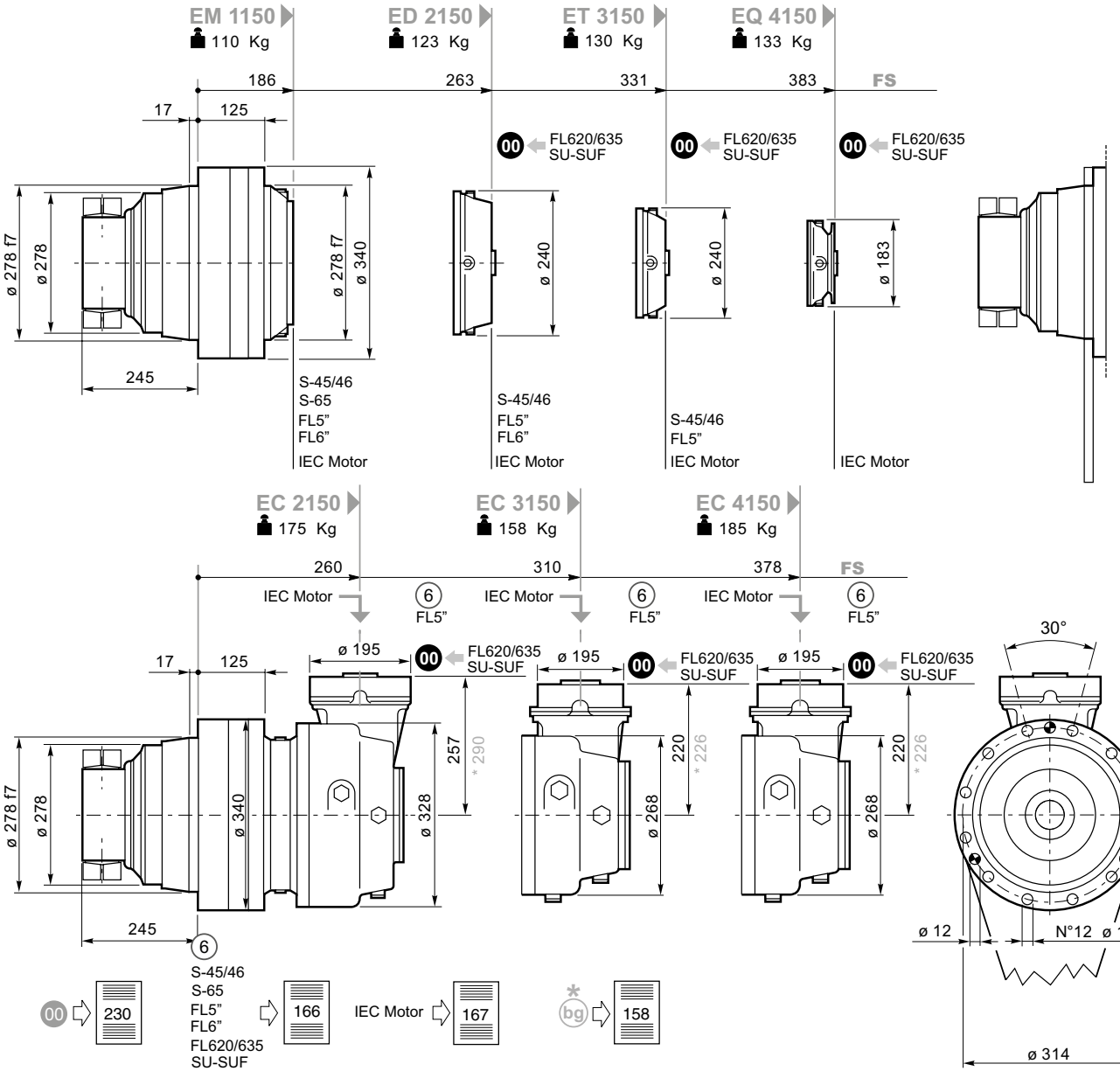


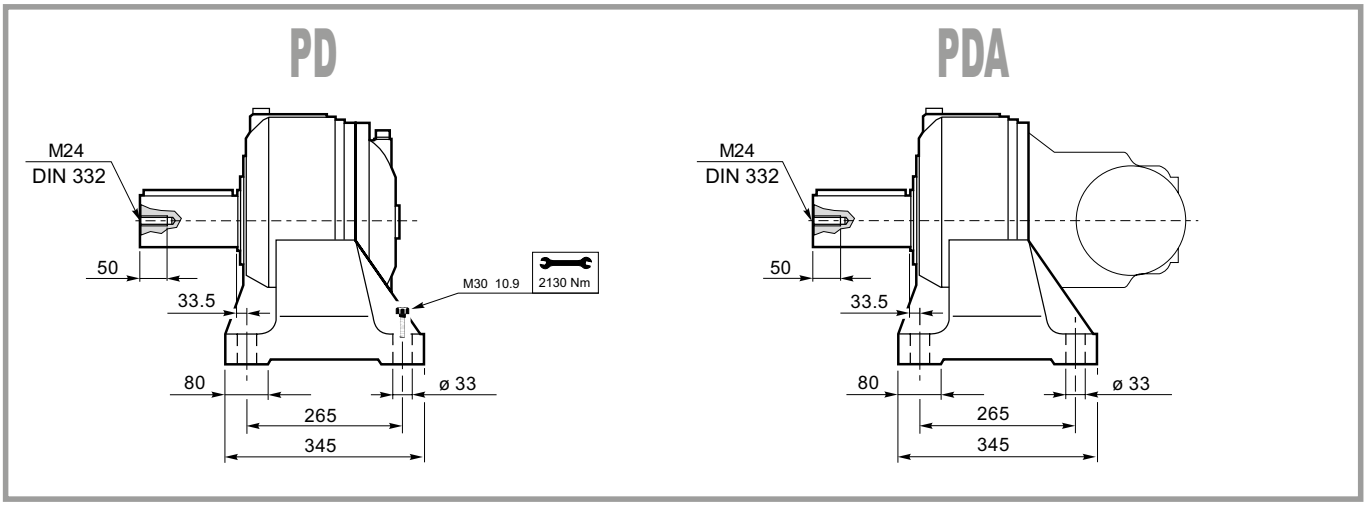
00 230
6 S-45/46 S-65 FL5" FL6" FL620/635 SU-SUF 166
IEC Motor 167
* bg 158

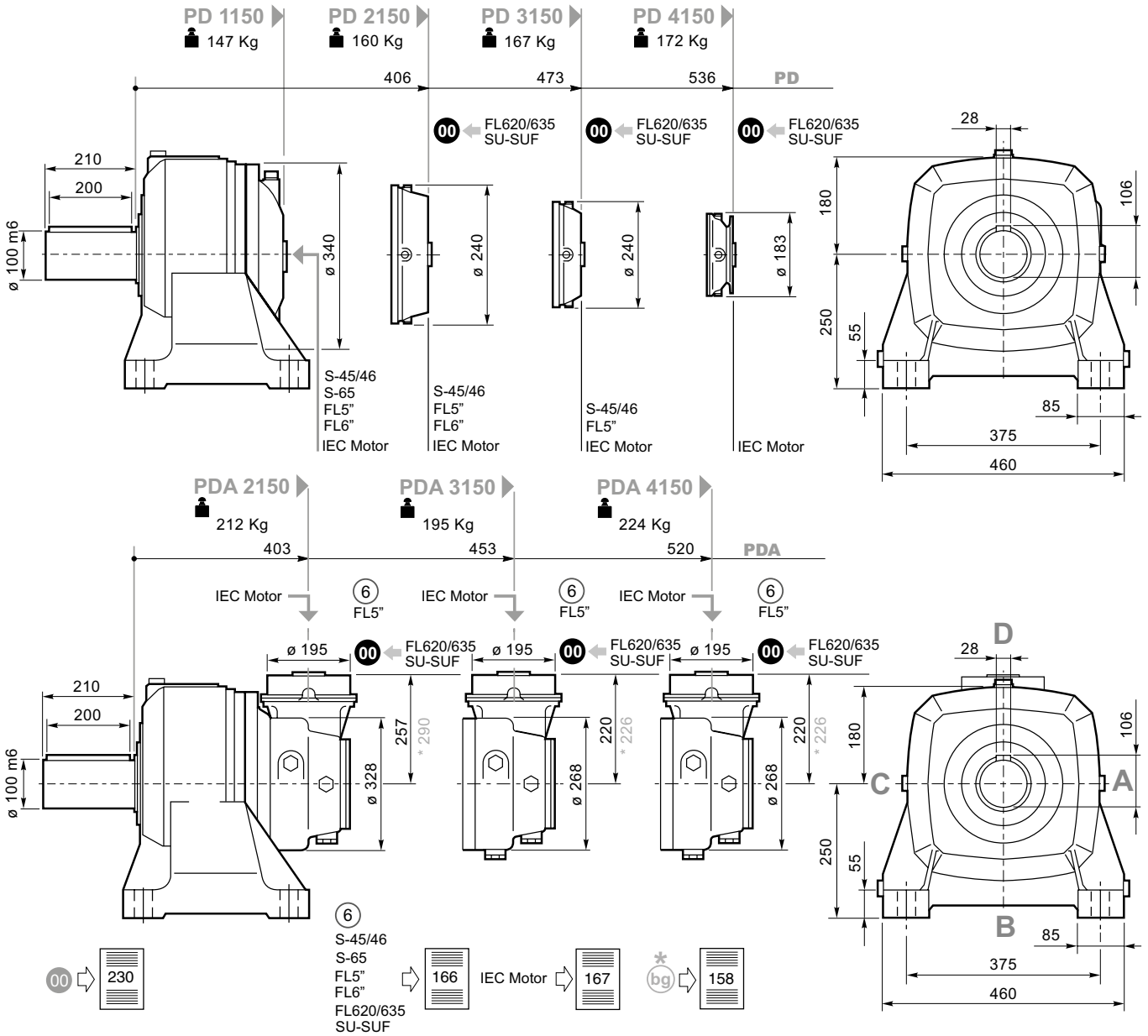

201 Nm
M14 10.9
170
27
28 H8
106.4 +0.2 0
ø 100 G6
153
80 min
236.5


EM 1150
0 Kg
ED 2150
0 Kg
ET 3150
0 Kg
EQ 4150
0 Kg
198
275
343
395
FP
10
00 FL620/635 SU-SUF
ø 278 f7
ø 346
ø 240
ø 240
ø 183
S-45/46
S-65
FL5"
FL6"
IEC Motor
S-45/46
FL5"
FL6"
IEC Motor
S-45/46
FL5"
IEC Motor
IEC Motor
EC 2150
0 Kg
EC 3150
0 Kg
EC 4150
0 Kg
272
322
390
FP
IEC Motor
6
FL5"
ø 195
ø 195
ø 135
257
* 290
220
* 226
220
* 226
ø 346
ø 328
ø 268
ø 268
30°
N°12 ø 15
ø 314
6
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
166
230
IEC Motor
167
bg
158

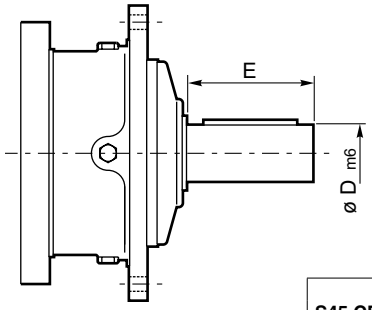

201 Nm
M14 10.9
107.5
ø 290
ø 165 f7
ø 120 H7
ø 80 H7
45
85
50

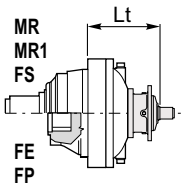

EM 1150
110 Kg
ED 2150
123 Kg
ET 3150
130 Kg
EQ 4150
133 Kg
186
263
331
383
FS
17
125
00 FL620/635 SU-SUF
ø 278 f7
ø 278
ø 340
ø 240
ø 183
245
S-45/46
S-65
FL5"
FL6"
IEC Motor
EC 2150
175 Kg
EC 3150
158 Kg
EC 4150
185 Kg
260
310
378
6 FL5"
ø 195
257
* 290
328
220
* 226
268
30°
ø 12
N°12 ø 16
ø 314
00 230
166
IEC Motor 167
bg 158

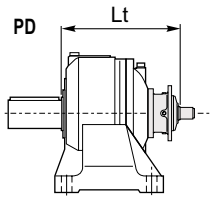

PD
PDA
M24
DIN 332
50
33.5
M30 10.9
2130 Nm
80
265
345
ø 33


PD 1150
147 Kg
PD 2150
160 Kg
PD 3150
167 Kg
PD 4150
172 Kg
406
473
536
PD
00 FL620/635 SU-SUF
210
200
ø 100 m6
ø 340
ø 240
ø 183
S-45/46
S-65
FL5"
FL6"
IEC Motor
28
180
106
250
55
85
375
460
PDA 2150
212 Kg
PDA 3150
195 Kg
PDA 4150
224 Kg
403
453
520
PDA
IEC Motor
6
FL5"
ø 195
257
* 290
328
220
* 226
268
D
C
A
B
S-45/46
S-65
FL5"
FL6"
FL620/635
SU-SUF
166
167
158
230

S45CR1-S46C1 S65CR1

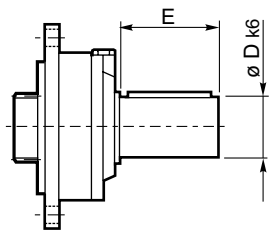




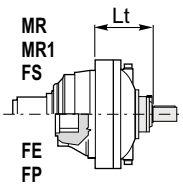


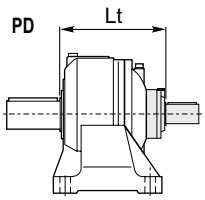
	D m6	E		Lt				
				MN-MN1-FS	MR-MR1	FE	FP	PD
S45 CR1	65	105	**EM 1150**	326	346	306	338	468
			ED 2150	326	346	306	338	468
			ET 3150	393	413	373	405	535
S46 C1	65	105	**EM 1150**	346	387	347	379	510
			ED 2150	367	387	347	379	510
			ET 3150	434	454	414	446	577
S65 CR1	80	130	**EM 1150**	366	386	346	378	509

SU2

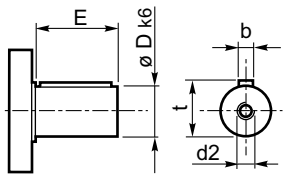


	D k6	E		Lt				
				MN MN1 FS	MR MR1	FE	FP	PD
SU 2	40	58	**EM 1150**	246	266	226	258	—
			ED 2150	323	343	303	335	446
			ET 3150	391	411	371	403	533
			EQ 4150	443	463	423	455	596

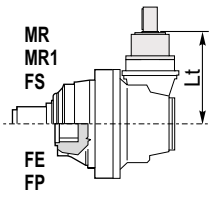


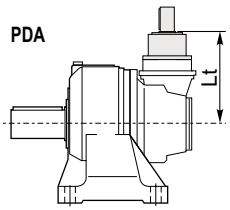


⑥ 48.82



	D	E		Lt
				MN-MN1-MR-MR1-FS-FE-FP-PDA
48.82	48	82	**EC 2150**	317
			EC 3150	280
			EC 4150	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.

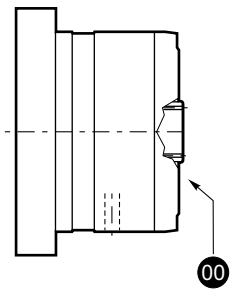
Für die Antriebskonfigurationen: S46C1, S65CR1, 48.82 (CC40 - CC41), FL5" ist auf Anfrage eine Rücklaufsperre verfügbar. Weitere Informationen und die Technischen Daten Sich an die DANA Kontaktperson der zone zu wenden.

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

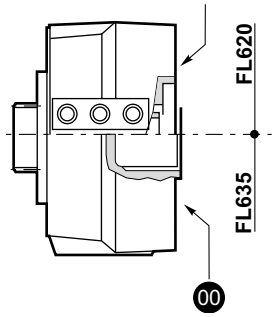


		Lt				
		MN-MN1 FS	MR-MR1	FE	FP	PD-PDA
FL250-FL350 FL450	**EM 1150**	296	316	276	308	439
	ED 2150	356	376	326	368	500
	ET 3150	424	444	404	436	567
	EC 2150*	408	408	408	408	408
	EC 2150	441	441	441	441	441
	EC 3150*	280	280	280	280	280
	EC 3150	377	377	377	377	377
	EC 4150*	280	280	280	280	280
	EC 4150	377	377	377	377	377
FL650 FL750	**EM 1150**	310	330	290	322	453
	ED 2150	370	390	350	382	513
	ET 3150	437	457	417	449	580
	EC 2150*	422	422	422	422	422
	EC 2150	455	455	455	455	455
FL960	**EM 1150**	324	344	304	336	467
	ED 2150	397	417	377	409	540

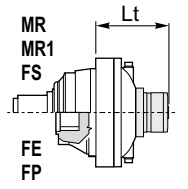
FL620.10
FL635.10

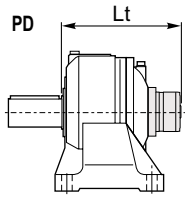
FL620.U-FL635.U

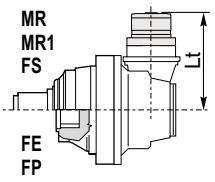
SAE A-AA
Shaft FE

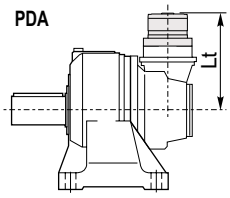


		Lt				
		MN-MN1 FS	MR-MR1	FE	FP	PD
FL620.U	**EM 1150**	290.5	310.5	270.5	302.5	—
	ED 2150	367.5	387.5	347.5	379.5	510.5
	ET 3150	435.5	455.5	415.5	447.5	577.5
	EQ 4150	487.5	507.5	467.5	499.5	640.5
	EC 2150	361.5	361.5	361.5	361.5	361.5
	EC 2150*	394.5	394.5	394.5	394.5	394.5
	EC 3150	324.5	324.5	324.5	324.5	324.5
	EC 3150*	330.5	330.5	330.5	330.5	330.5
	EC 4150	324.5	324.5	324.5	324.5	324.5
	EC 4150*	330.5	330.5	330.5	330.5	330.5
FL635.U	**EM 1150**	277	297	257	289	—
	ED 2150	354	374	334	366	497
	ET 3150	422	442	402	434	564
	EQ 4150	474	494	454	486	627
	EC 2150	348	348	348	348	348
	EC 2150*	381	381	381	381	381
	EC 3150	311	311	311	311	311
	EC 3150*	317	317	317	317	317
	EC 4150	311	311	311	311	311
	EC 4150*	317	317	317	317	317
FL620.10	**EQ 4150**	446	466	426	446	590
FL635.10	**EQ 4150**	428	448	408	428	571





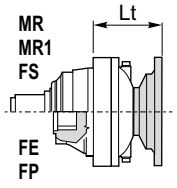


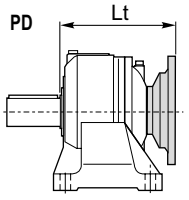


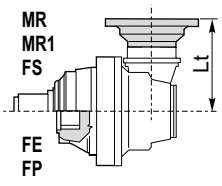
* bg 158

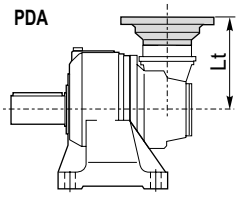
IEC Motor

		Lt							
		IEC 63	**IEC 71**	**IEC 80 90**	**IEC 100 112**	**IEC 132**	**IEC 160 180**	**IEC 200**	**IEC 225**
ED 2150	MN-MN-FS	283	285	290	291	358	389	399	430
ED 2150	MR-MR1	303	305	310	311	378	409	419	450
ED 2150	FE	263	265	270	271	338	369	379	410
ED 2150	FP								
ET 3150	MN-MN-FS	351	353	358	359	426	457	467	498
ET 3150	MR-MR1	371	373	378	379	446	447	487	518
ET 3150	FE	331	333	338	339	406	437	447	478
ET 3150	FP								
EQ 4150	MN-MN-FS	403	405	410	411	478			
EQ 4150	MR-MR1	423	425	430	431	498			
EQ 4150	FE	383	385	390	391	458			
EQ 4150	FP								
PD 2150	PD	426	428	433	434	501	532	542	573
PD 3150	PD	494	496	501	502	569	600	610	641
PD 4150	PD	546	548	553	554	621			
EC 2150	MN-MR-MN1-MR1 FE-FS-FP-PDA	277	279	284	285	352	383		
EC 2150*		310	312	317	318	385	416		
EC 3150		240	242	247	248	315	346		
EC 3150*		246	248	253	254	321	352		
EC 4150		240	242	247	248	315	346		
EC 4150*		246	248	253	254	321	352		



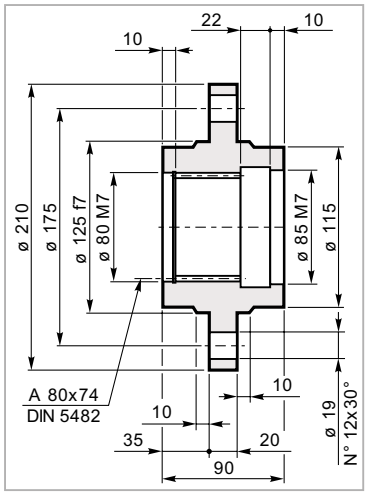






FA 150

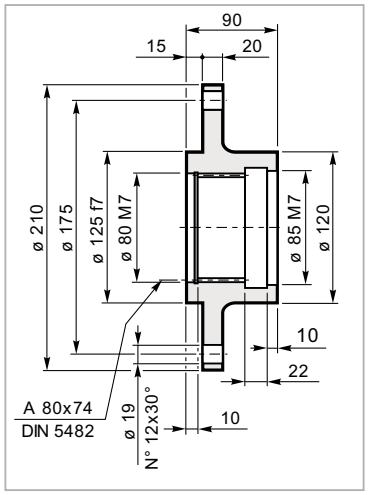
Flangia ruota
Driving flange
Radnabenflansch
Flasque de roue
Brida de la rueda
Flange de roda



Mat. C40 UNI EN 10083
Code: 34701521800

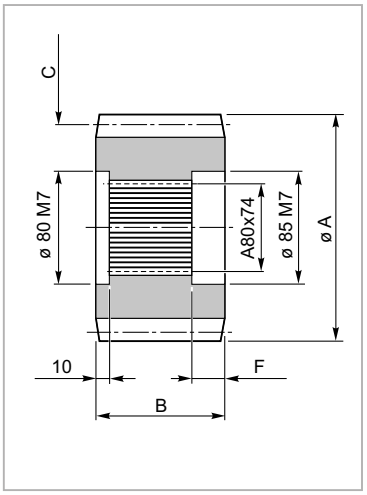
FR 150

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



Mat. C40 UNI EN 10083
Code: 34701421800

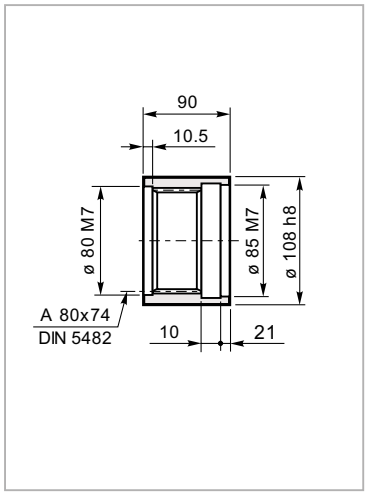
Pignoni
Pinion
Ritzel
Pignon
Piñones
Pinhões



code	A	B	C	F
335.3543.0600	159	90	M=10 Z=13 X=0.5	31

MS 150

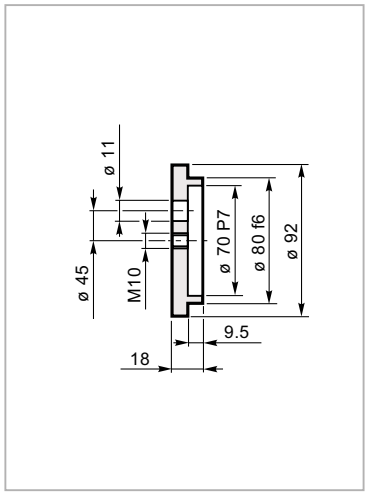
Manicotto scanalato
Splined bush
Keilmuffe
Manchon cannelée
Manguito acanalado
Luva ranhurada



Mat. 39NiCrMo3 UNI EN 10083
Code: 39103040600

RDF 150

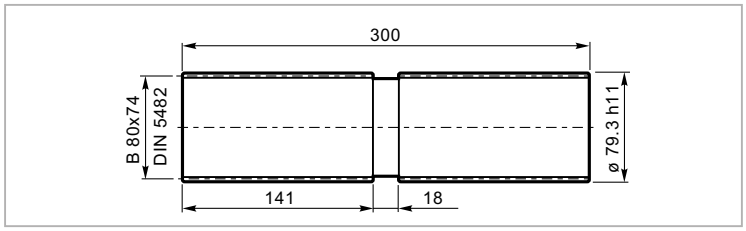
Rondella di fermo
Shaft cover
Gegenscheibe
Rondelle frein
Arandela de bloqueo
Amuela de encosto



Mat. C40 UNI EN 10083
Code: 37200940800

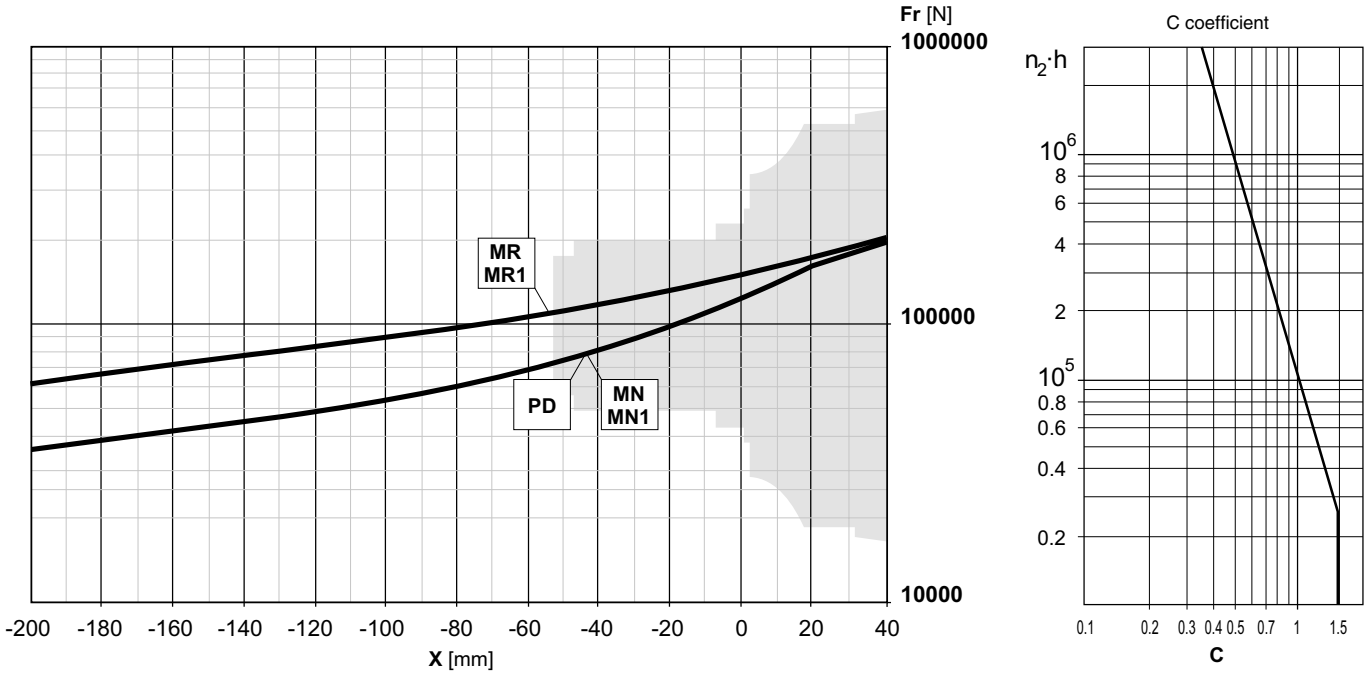
BS 150

Barra scanalata
Splined bar
Zugspindel
Barre cannelée
Barra acanalada
Barra ranhurada

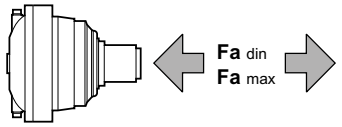


Code: 39127230100
Mat.: Acciaio legato ad elevata resistenza meccanica
Alloyed steel with high mechanical resistance
Legierungsstahl mit hoher mechanischer Festigkeit
Alliage d'acier à haute résistance mécanique
Aleación de acero de elevada resistencia mecánica
Aço ligado de elevada resistência mecânica

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

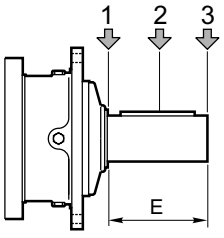


Carichi assiali / Axial loads / Axialkräfte / Charges axiales / Cargas axiales / Forças axiais

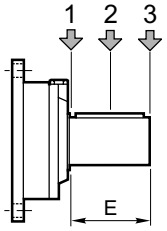


		Flange mounted		PD-PDA
		MN-MN1	MR-MR1	MR1
Fadin	[N]	68000	100000	40000
Famax	[N]	680000	100000	40000

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