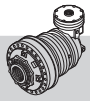
RR310 .. **i**

	i	T_2 [Nm]						n_{1max}	T_{2max}	P_t
		n_2 x h								
	1/…	**10000** (10^4)	**25000** ($2.5 \cdot 10^4$)	**50000** ($5 \cdot 10^4$)	**100000** (10^5)	**500000** ($5 \cdot 10^5$)	**1000000** (10^6)	[min^{-1}]	[Nm]	[kW]
RR310	**3.40**	3640	3440	3350	3070	2520	2040	3500	5500 (M.../FS) 6500 (S...)	20
	4.00	3580	3310	2980	2650	2400	2010			
	5.00	2970	2500	2190	2020	1830	1750			
	5.80	2610	2200	1930	1820	1650	1580			
	7.00	2020	1690	1500	1440	1300	1250			
RR310D	**12.84**	3580	3310	2980	2650	2400	1950	3500	5500 (M.../FS) 6500 (S...)	12
	16.40	3580	3310	2980	2650	2320	1880			
	21.68	3460	3090	2960	2650	2260	1840			
	28.80	2270	2110	2030	1950	1770	1700			
	31.44	2610	2200	1930	1820	1650	1580			
	41.76	2610	2200	1930	1820	1650	1580			
	50.40	2020	1690	1500	1440	1300	1250			
RR310T	**57.56**	3580	3310	2980	2650	2320	1880	3500	5500 (M.../FS) 6500 (S...)	8
	76.26	3580	3310	2980	2650	2320	1880			
	100.81	3460	3090	2960	2650	2260	1840			
	134.63	3460	3090	2960	2650	2260	1840			
	146.18	2610	2200	1930	1820	1650	1580			
	178.85	2270	2110	2030	1950	1770	1700			
	195.22	2610	2200	1930	1820	1650	1580			
	223.56	2750	2500	2190	2020	1830	1750			
	259.33	2610	2200	1930	1820	1650	1580			
	312.98	2020	1690	1500	1440	1300	1250			
RR310Q	**357.47**	3580	3310	2980	2650	2320	1880	3500	5500 (M.../FS) 6500 (S...)	7
	473.57	3580	3310	2980	2650	2320	1880			
	513.08	2610	2200	1930	1820	1650	1580			
	626.04	3460	3090	2960	2650	2260	1840			
	836.07	3460	3090	2960	2650	2260	1840			
	907.76	2610	2200	1930	1820	1650	1580			
	1110.65	2270	2110	2030	1950	1770	1700			
	1212.30	2610	2200	1930	1820	1650	1580			
	1388.31	2750	2500	2190	2020	1830	1750			
	1610.44	2610	2200	1930	1820	1650	1580			
	1943.63	2020	1690	1500	1440	1300	1250			



RA310 | .. | i

	i	T_2 [Nm]						n_{1max}	T_{2max}	P_t
		n_2 x h								
	1/…	**10000** (10^4)	**25000** ($2.5 \cdot 10^4$)	**50000** ($5 \cdot 10^4$)	**100000** (10^5)	**500000** ($5 \cdot 10^5$)	**1000000** (10^6)	[min^{-1}]	[Nm]	[kW]
RA310	**10.95**	2020	1700	1490	1350	1200	1030	3500	5500 (M.../FS) 6500 (S...)	18
	12.88	2310	1940	1700	1570	1390	1150			
	18.68	2610	2200	1930	1820	1650	1490			
	22.54	2020	1690	1500	1440	1300	1250			
	29.44	1010	840	780	730	640	610			
	34.15	1140	940	890	840	740	700			
	41.22	1320	1120	1060	1000	880	830			
RA310D	**41.34**	3580	3310	2980	2650	2400	1950	3500	5500 (M.../FS) 6500 (S...)	13
	52.81	3580	3310	2980	2650	2320	1880			
	69.81	3460	3090	2960	2650	2260	1840			
	92.74	2270	2110	2030	1950	1770	1700			
	101.22	2610	2200	1930	1820	1650	1580			
	134.47	2610	2200	1930	1820	1650	1580			
	162.29	2020	1690	1500	1440	1300	1250			
	169.57	2270	2110	2030	1950	1770	1700			
	185.10	2610	2200	1930	1820	1650	1580			
	211.97	2750	2500	2190	2020	1830	1750			
	223.39	2020	1690	1500	1440	1300	1250			
	245.88	2610	2200	1930	1820	1650	1580			
	296.76	2020	1690	1500	1440	1300	1250			
RA310T	**216.51**	3580	3310	2980	2650	2320	1880	3500	5500 (M.../FS) 6500 (S...)	10
	286.22	3580	3310	2980	2650	2320	1880			
	357.77	2970	2500	2190	2020	1830	1750			
	372.10	2970	2500	2190	2020	1830	1750			
	431.64	2610	2200	1930	1820	1650	1580			
	475.27	2970	2500	2190	2020	1830	1750			
	551.32	2610	2200	1930	1820	1650	1580			
	628.29	2970	2500	2190	2020	1830	1750			
	834.62	2750	2500	2190	2020	1830	1750			
	968.16	2610	2200	1930	1820	1650	1580			
	1168.47	2020	1690	1500	1440	1300	1250			
	1220.94	2270	2110	2030	1950	1770	1700			
	1332.69	2610	2200	1930	1820	1650	1580			
	1526.17	2750	2500	2190	2020	1830	1750			
	1608.41	2020	1690	1500	1440	1300	1250			
	1770.36	2610	2200	1930	1820	1650	1580			
	2136.64	2020	1690	1500	1440	1300	1250			

RR310 | .. | i | ..

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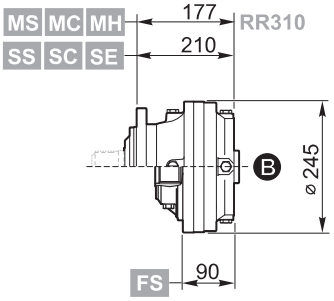
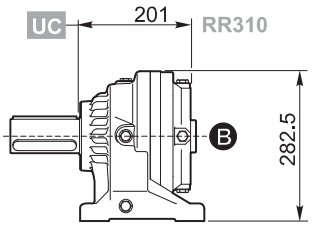
MS MC MH
SS SC SE

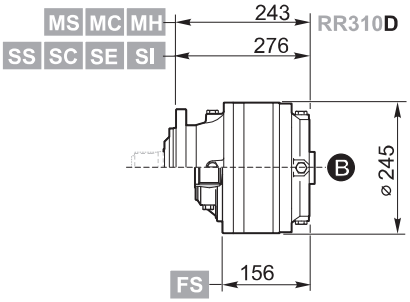


UC



D

MS MC MH
SS SC SE SI



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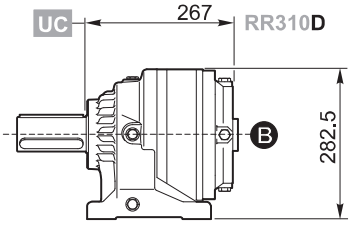
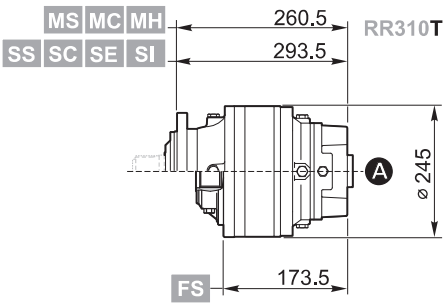


T

MS MC MH
SS SC SE SI



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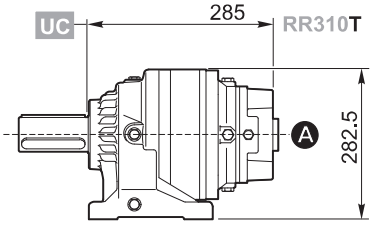
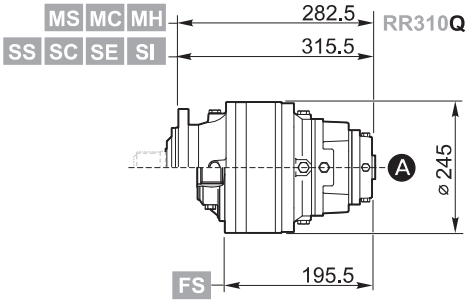


Q

MS MC MH
SS SC SE SI



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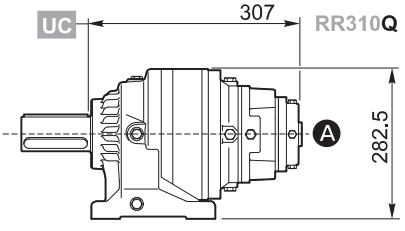

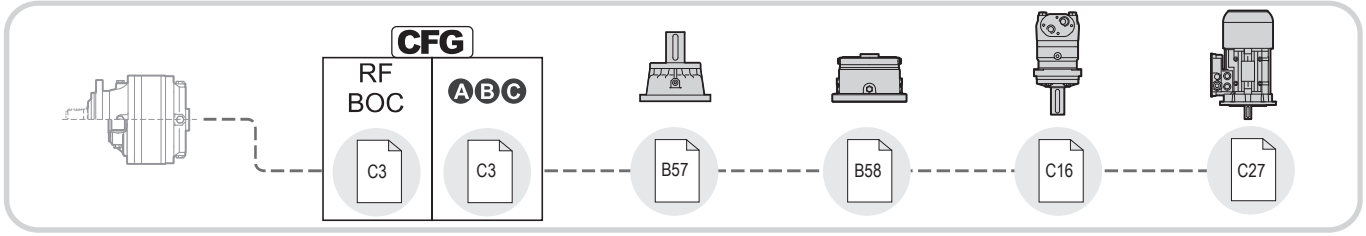

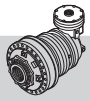

RA310 | .. | i | ..

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MS MC MH / SS SC
225
258
RA310
138
FS
⌀180
B
181.5
⌀245
⌀185
196
FS
283
316

UC
249
RA310
⌀180
B
181.5
282.5

D

MS MC MH / SS SC
269
302
RA310D
182
FS
⌀180
B
181.5
⌀245
⌀185
240
FS
327
360

UC
293
RA310D
⌀180
B
181.5
282.5

T

MS MC MH / SS SC
314
347
RA310T
227
FS
⌀180
B
181.5
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FS
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UC
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RA310T
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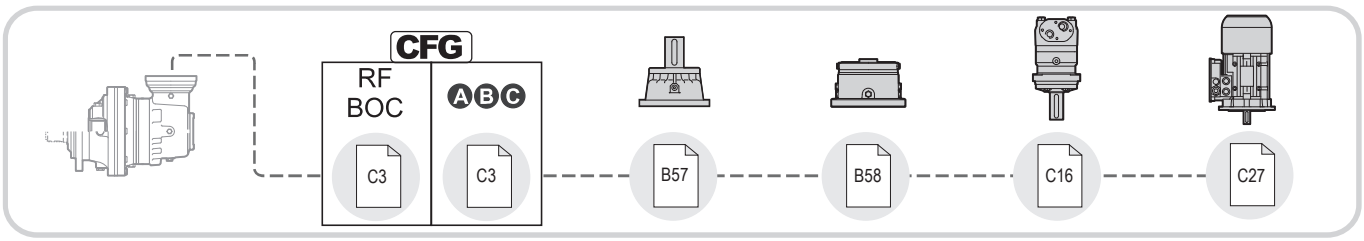
B
181.5
282.5

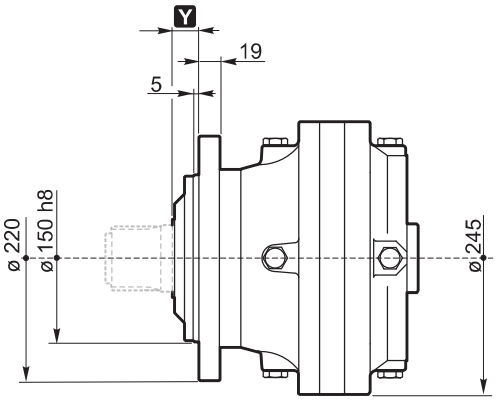


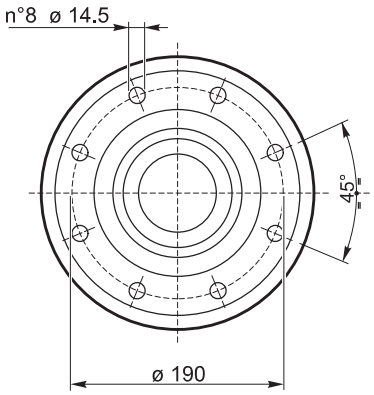
RR310 RA310	..	i	..

MS

MC

MH

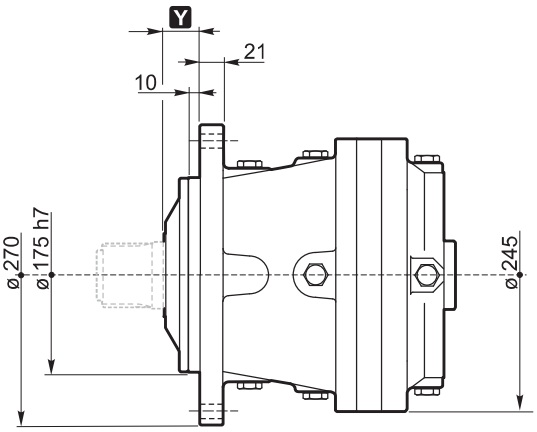


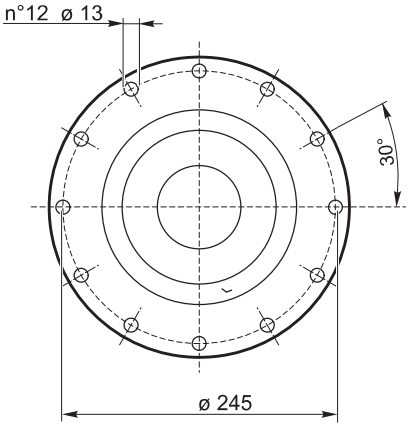


SS

SC

SE





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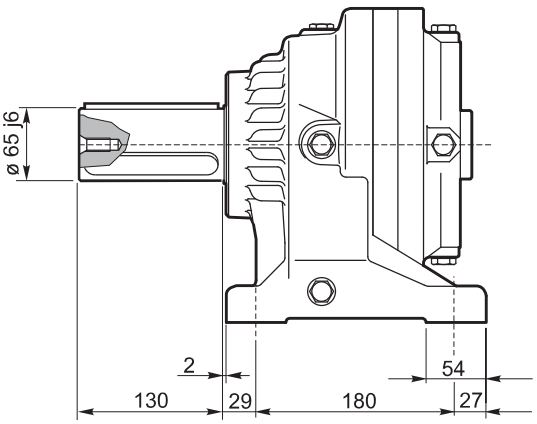
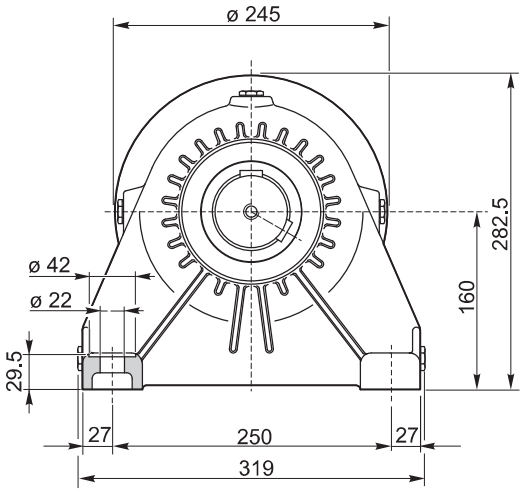
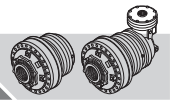
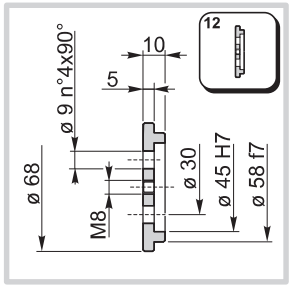
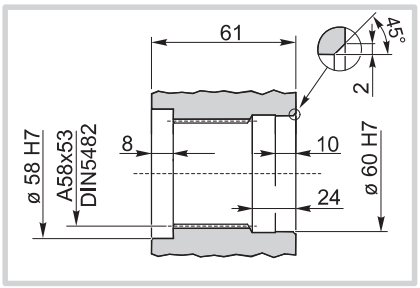


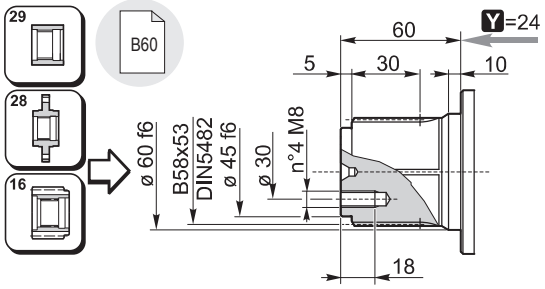




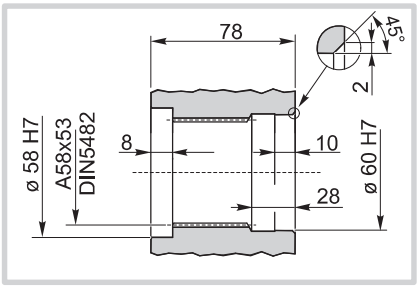
MS

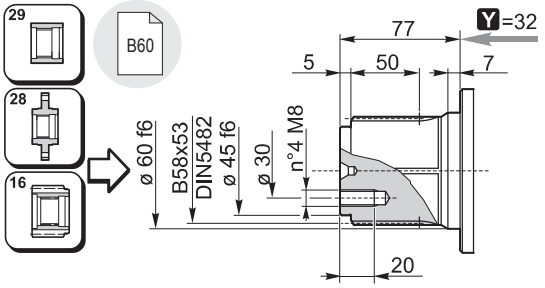






SS

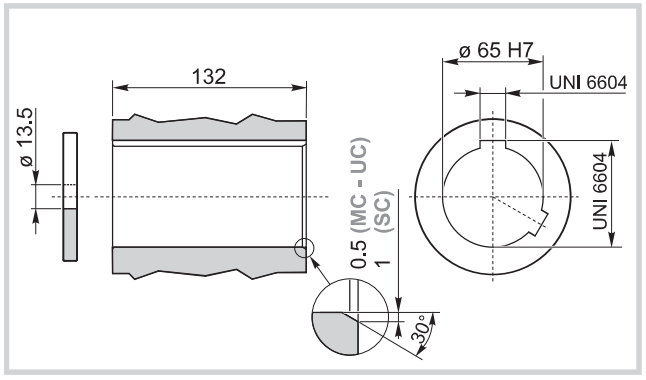


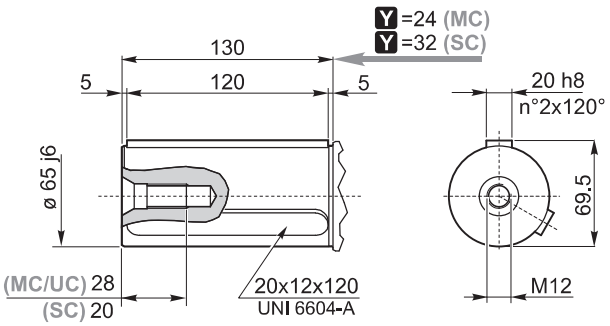


MC

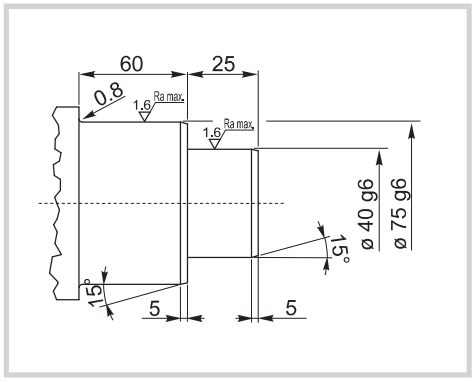
SC

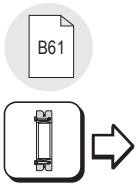
UC

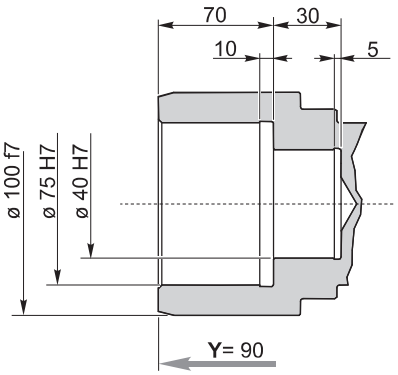




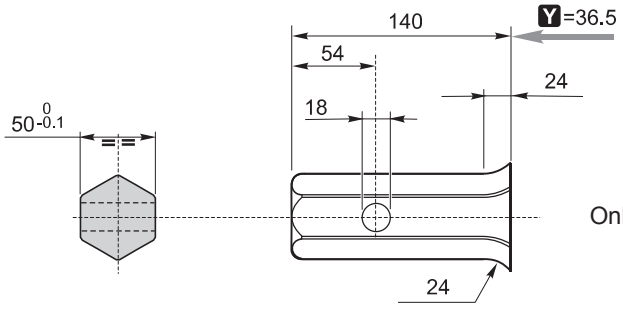
MH







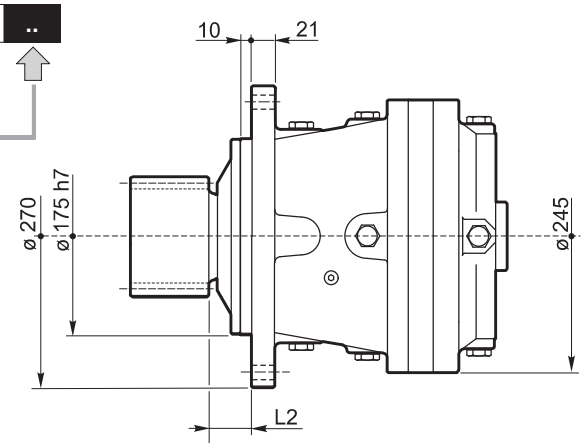
SE

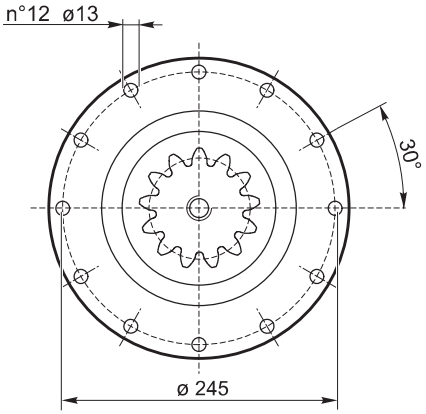


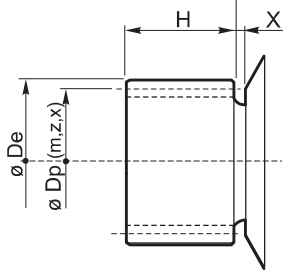
Only for RR310

RR310 | .. | i | ..

SI







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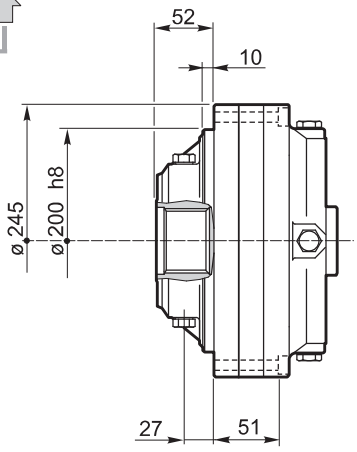
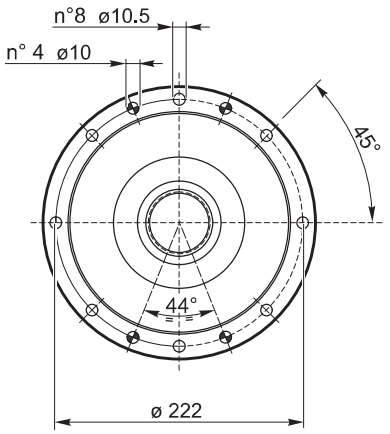
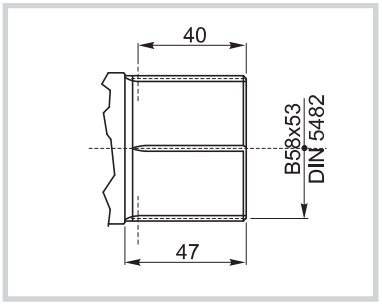
8	15	0	80	120	136	36	5.5	**03-500**	**154F2899**
10	12	+6.4	80	120	149	40	9.5	**03-579**	**154F5466**

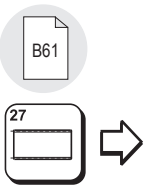
RR310 / RA310 | .. | i | FS

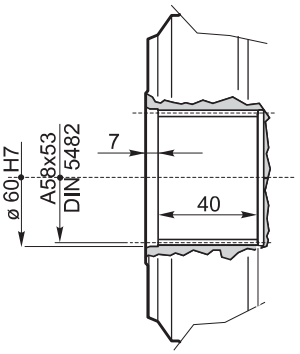
FS

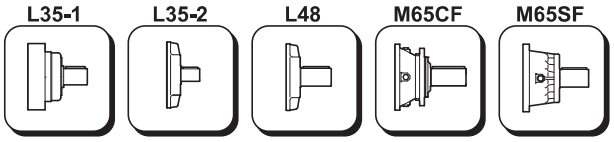




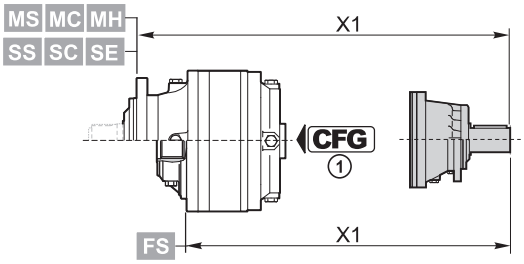


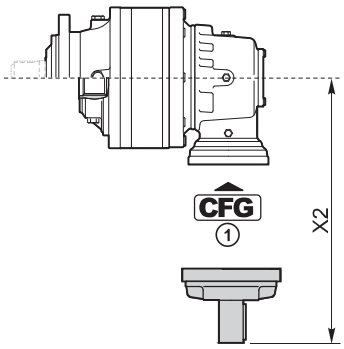






C10





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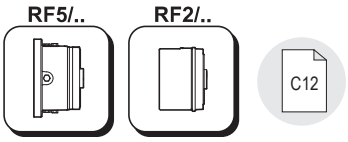
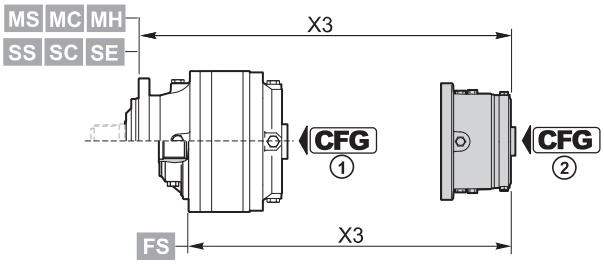
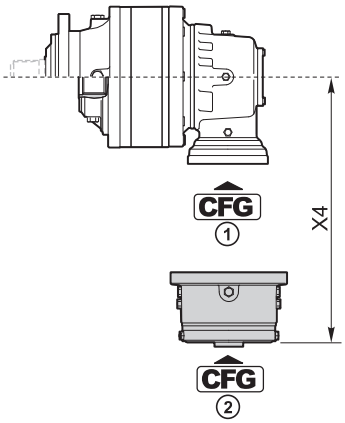
	RF	**M65CF**	154-2407	384.5 (M...) 297.5 (FS) 417.5 (S...)
	BOC	**L48**	154B3989	298.5 (M...) 211.5 (FS) 331.5 (S...)
RR310D	BOC	**L35-2**	154-2190M1	332.5 (M...) 245.5 (FS) 365.5 (S...)
RR310T	RF	**L35-1**	154B4054	348.5 (M...) 261.5 (FS) 381.5 (S...)
RR310Q	RF	**L35-1**	154B4054M1	370.5 (M...) 283.5 (FS) 403.5 (S...)

	CFG 1		code	X2
RA310	BOC	**L35-2**	154-2190M1	270.5
RA310D	BOC	**L35-2**	154-2190M1	270.5
RA310T	BOC	**L35-2**	154-2190M1	270.5

CFG	
RF BOC	C3
A B C	C3

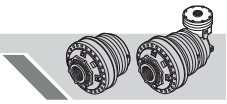






RF5/..	CFG ①	T_f [Nm]	CFG ②						
			Ⓑ			OMTS 12/24 z16	OMVS 10/20 z16		
			code	X3	X4	code	code	X3	X4
RR310	RF	210	154-2872	267.5 (M...) 180.5 (FS) 300.5 (S...)	—	154-2879	154-2886	271.2 (M...) 184.2 (FS) 304.2 (S...)	—
		290	154-2873			154-2880	154-2887		
		430	154-2874			154-2881	154-2888		
		650	154-2875			154-2882	154-2889		
		850	154-2876			154-2883	154-2890		
		1100	154-2877			154-2884	154-2891		
		1300	154-2878			154-2885	154-2892		

CFG	
RF BOC	C3
Ⓐ Ⓑ Ⓒ	C3



RF2/..	CFG ①	T_f [Nm]	CFG ② Ⓑ code	Ⓑ X3	OMP/OMR SAE A 2B Ø 25 code	OMP/OMR SAE A 2B 1" 6B code	OMP/OMR SAE A 4B Ø 25 code	OMP/OMR SAE A 4B 1" 6B code	X3
RR310	RF	70	154-2345	240 (M...) 153 (FS) 273 (S...)	154-2345M10	154-2345M11	154-2345M16	154-2345M17	230 (M...) 143 (FS) 263 (S...)
		140	154-2346		154-2346M10	154-2346M11	154-2346M16	154-2346M17	
		210	154-2347		154-2347M10	154-2347M11	154-2347M16	154-2347M17	
		320	154-2348		154-2348M10	154-2348M11	154-2348M16	154-2348M17	
		430	154-2349		154-2349M10	154-2349M11	154-2349M16	154-2349M17	
		600	154B9186		154B9186M10	154B9186M11	154B9186M16	154B9186M17	
RR310D	RF	70	154-2838M1	281.5 (M...) 194.5 (FS) 314.5 (S...)	154-2863	154-2863M11	154-2635	154-2635M11	271.5 (M...) 184.5 (FS) 304.5 (S...)
		140	154-2839M1		154-2864	154-2864M11	154-2636	154-2636M11	
		210	154-2840M1		154-2865	154-2865M11	154-2637	154-2637M11	
		320	154-2841M1		154-2866	154-2866M11	154-2638	154-2638M11	
		430	154-2842M1		154-2867	154-2867M11	154-2639	154-2639M11	
		600	154B8962M1		154B9665	154B9665M11	154B9666	154B9666M11	

	CFG ①	T_f [Nm]	CFG ② Ⓐ code	Ⓐ X3	OMP/OMR SAE A 2B Ø 25 code	OMP/OMR SAE A 2B 1" 6B code	OMP/OMR SAE A 4B Ø 25 code	OMP/OMR SAE A 4B 1" 6B code	X3
RR310T	RF	70	154-2832M1	326.5 (M...) 240 (FS) 359.5 (S...)	154-2858M1	154-2858M5			322 (M...) 235 (FS) 355 (S...)
		140	154-2833M1		154-2859M1	154-2859M5			
		210	154-2834M1		154-2860M1	154-2860M5			
		320	154-2836M1		154-2861M1	154-2861M5			
		430	154-2837M1		154-2862M1	154-2862M5			
		600	154B8959M1		154B9663M1	154B9663M5			
RR310Q	RF	70	154-2832M3	348.5 (M...) 262 (FS) 381.5 (S...)	154-2858M3	154-2858M7			344.5 (M...) 257.5 (FS) 377.5 (S...)
		140	154-2833M3		154-2859M3	154-2859M7			
		210	154-2834M3		154-2860M3	154-2860M7			
		320	154-2836M3		154-2861M3	154-2861M7			
		430	154-2837M3		154-2862M3	154-2862M7			
		600	154B8959M3		154B9663M3	154B9663M7			

	CFG ①	T_f [Nm]	CFG ② Ⓑ code	Ⓑ X4	OMP/OMR SAE A 2B Ø 25 code	OMP/OMR SAE A 2B 1" 6B code	OMP/OMR SAE A 4B Ø 25 code	OMP/OMR SAE A 4B 1" 6B code	X4
RA310	RF	70	154-2838M12	223.8	154-2863M12	154-2863M13	154-2635M12		213.8
		140	154-2839M12		154-2864M12	154-2864M13	154-2636M12		
		210	154-2840M12		154-2865M12	154-2865M13	154-2637M12		
		320	154-2841M12		154-2866M12	154-2866M13	154-2638M12		
		430	154-2842M12		154-2867M12	154-2867M13	154-2639M12		
		600	154B8962M12		154B9665M12	154B9665M13	154B9666M12		
RA310D	RF	70	154-2838M12	223.8	154-2863M12	154-2863M13	154-2635M12		213.8
		140	154-2839M12		154-2864M12	154-2864M13	154-2636M12		
		210	154-2840M12		154-2865M12	154-2865M13	154-2637M12		
		320	154-2841M12		154-2866M12	154-2866M13	154-2638M12		
		430	154-2842M12		154-2867M12	154-2867M13	154-2639M12		
		600	154B8962M12		154B9665M12	154B9665M13	154B9666M12		
RA310T	RF	70	154-2838M12	223.8	154-2863M12	154-2863M13	154-2635M12		213.8
		140	154-2839M12		154-2864M12	154-2864M13	154-2636M12		
		210	154-2840M12		154-2865M12	154-2865M13	154-2637M12		
		320	154-2841M12		154-2866M12	154-2866M13	154-2638M12		
		430	154-2842M12		154-2867M12	154-2867M13	154-2639M12		
		600	154B8962M12		154B9665M12	154B9665M13	154B9666M12		

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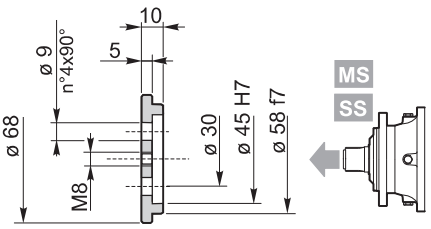
Kg 0.2



Materiale / *Material* / Material / Matériau / *Material* / Material:
Acciaio / *Steel* / Stahl / Acier / *Acero* / Aço
C40 EN 10083-1 (1.1186)

154-3061

28

Materiale / *Material* / Material / Matériau / *Material* / Material: **Acciaio / *Steel* / Stahl / Acier / *Acero* / Aço EN 10083-1-C40 (1.1186)**

Trattamento termico:
Tempra ad induzione secondo UNI 10932 su scanalato interno

Heat treatment:
Induction hardening according to UNI 10932 on internal spline

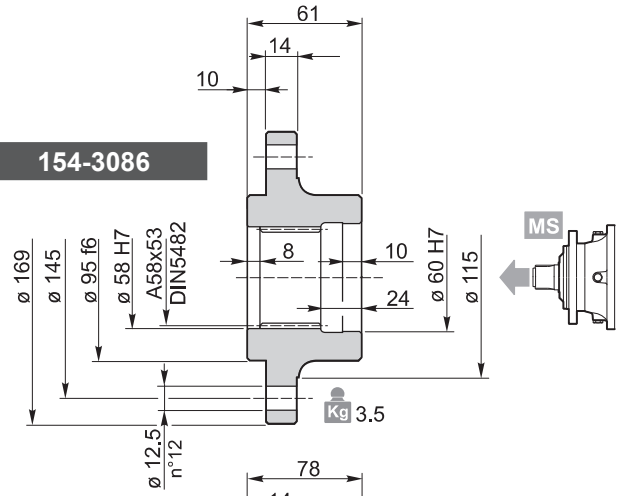
Wärmebehandlung:
Induktionshärtung nach UNI 10932 an interner Nut

Traitement thermique :
Trempe par induction conformément à la norme UNI 10932 sur cannelé interne

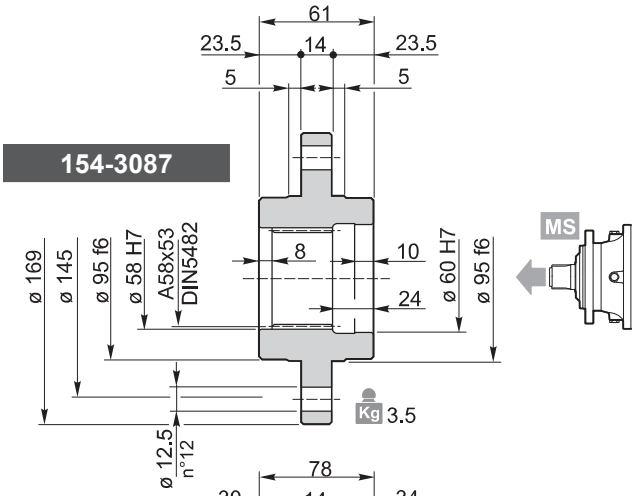
Tratamiento térmico:
Temple por inducción según UNI 10932 en acanalado interno

Tratamento térmico:
Tempera por indução segundo UNI 10932 sobre ranhuras internas

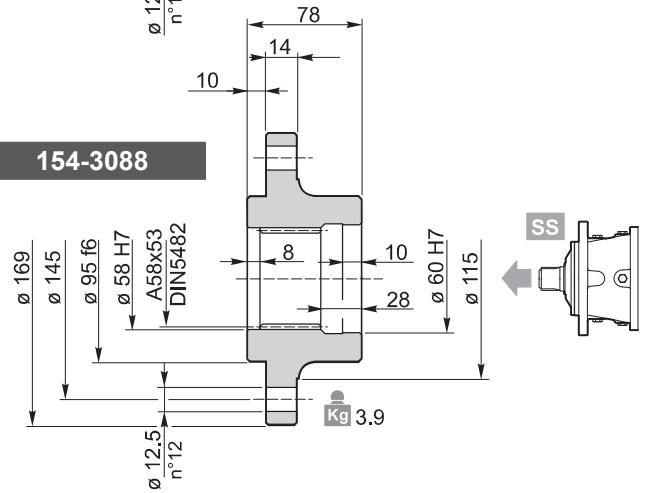
154-3086



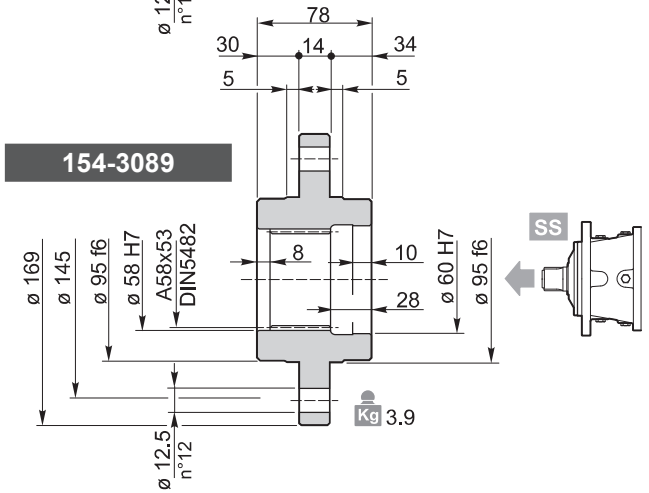
154-3087



154-3088



154-3089



29

Materiale / *Material* / Material / Matériau / *Material* / Material: **Acciaio / *Steel* / Stahl / Acier / *Acero* / Aço 39NiCrMo3 UNI 7845 (1.6511)**

Trattamento termico:
Tempra ad induzione secondo UNI 10932 su scanalato interno

Heat treatment:
Induction hardening according to UNI 10932 on internal spline

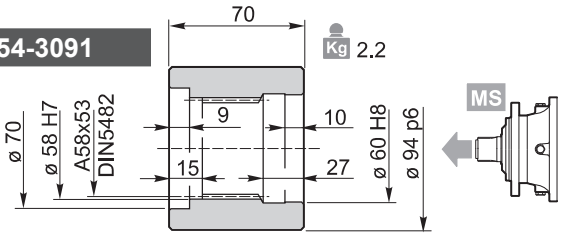
Wärmebehandlung:
Induktionshärtung nach UNI 10932 an interner Nut

Traitement thermique :
Trempe par induction conformément à la norme UNI 10932 sur cannelé interne

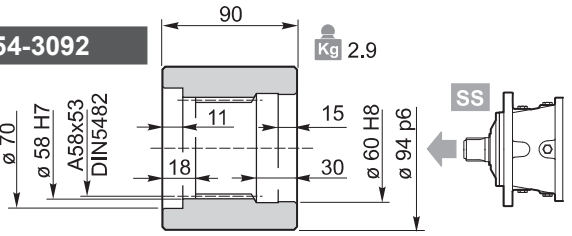
Tratamiento térmico:
Temple por inducción según UNI 10932 en acanalado interno

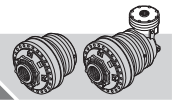
Tratamento térmico:
Tempera por indução segundo UNI 10932 sobre ranhuras internas

154-3091

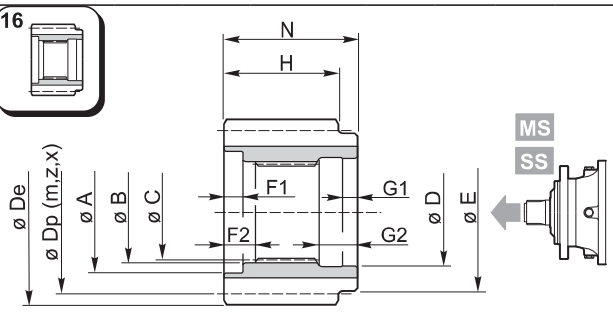


154-3092





16



Materiale / *Material* / Material
Matériau / *Material* / Material
Acciaio / *Steel* / Stahl / Acier / *Acero* / Aço
39NiCrMo3 UNI 7845 (1.6511)

Trattamento termico:
Tempra ad induzione secondo UNI 10932 su scanalato interno

Heat treatment:
Induction hardening according to UNI 10932 on internal spline

Wärmebehandlung:
Induktionshärtung nach UNI 10932 an interner Nut

Traitement thermique :
Trempe par induction conformément à la norme UNI 10932 sur cannelé interne

Tratamiento térmico:
Temple por inducción según UNI 10932 en acanalado interno

Tratamento térmico:
Tempera por indução segundo UNI 10932 sobre ranhuras internas

	A	B	C	D	E	F1	F2	G1	G2	N	m	z	x	H	Dp	De	Code
MS	70	58 H7	DIN5482 A58x53	60 H7	72	7	13	12	27	68	4.5	18	0.4444	65	81	93	154-3106
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	5	17	0.4	65	85	98	154-2287
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	5	19	0	65	95	104	154-2286
	70	58 H7	DIN5482 A58x53	60 H7	75	7	13	12	27	68	6	14	0.5	65	84	101.5	154-3082
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	6	15	0.25	65	90	103	154-3107
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	6	16	0.25	65	96	109	154-3245
	70	58 H7	DIN5482 A58x53	60 H7	78	7	13	12	27	68	8	12	0.5	65	96	118	154-3074
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	8	14	0	65	112	126	154-3250
	70	58 H7	DIN5482 A58x53	60 H7	78	7	13	12	27	68	8	15	0	65	120	136	154-3246
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	8	15	0.25	65	120	138	154-3235
	70	58 H7	DIN5482 A58x53	60 H7	78	7	13	12	27	68	8	18	0	65	144	158	154-3103
	70	58 H7	DIN5482 A58x53	60 H7	78	7	13	12	27	68	10	10	0.25	65	100	124.5	154-3075
	70	58 H7	DIN5482 A58x53	60 H7	78	7	13	12	27	68	10	12	0.475	65	120	149.5	154-3105
	70	58 H7	DIN5482 A58x53	60 H7	68	7	13	10	27	68	10	15	0	65	150	167	154-3248
SS	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	6	14	0.5	80	84	101.5	154-3238
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	6	16	0.4167	80	96	111	154-3234
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	6	19	0	80	114	126	154-2706
	70	58 H7	DIN5482 A58x53	60 H7	78	6	12	10	30	84	6	24	0	80	144	154	154-3101
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	7	13	0.5	80	91	109	154-3038
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	8	12	0.5	80	96	118	154-3076
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	8	13	0.35	80	104	125.6	154-3236
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	8	15	0.25	80	120	138	154-2288
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	8	18	0	80	144	158	154-2716
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	10	10	0.25	80	100	124.5	154-3067
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	10	12	0.475	80	120	149.5	154-3077
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	10	13	0	80	130	148	154-3070
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	10	14	0.4	80	140	164	154-2289
	70	58 H7	DIN5482 A58x53	60 H7	78	5	12	12	30	84	10	15	0	80	150	169	154-3078
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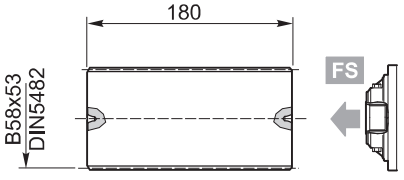
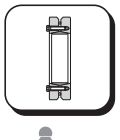
Kg 3.3

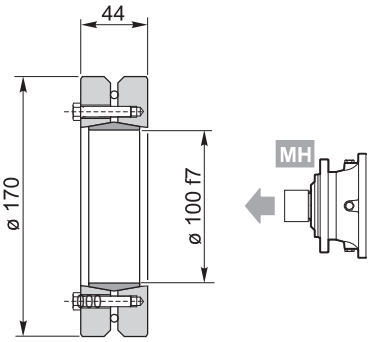


154-3052

Materiale / Materiale / Material
Matériau / *Material* / Material:
Acciaio / *Steel* / Stahl / Acier / *Acero* / Aço
39NiCrMo3 UNI 7845 (1.6511)



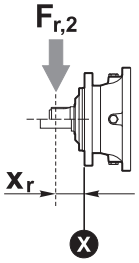
Kg 4.7

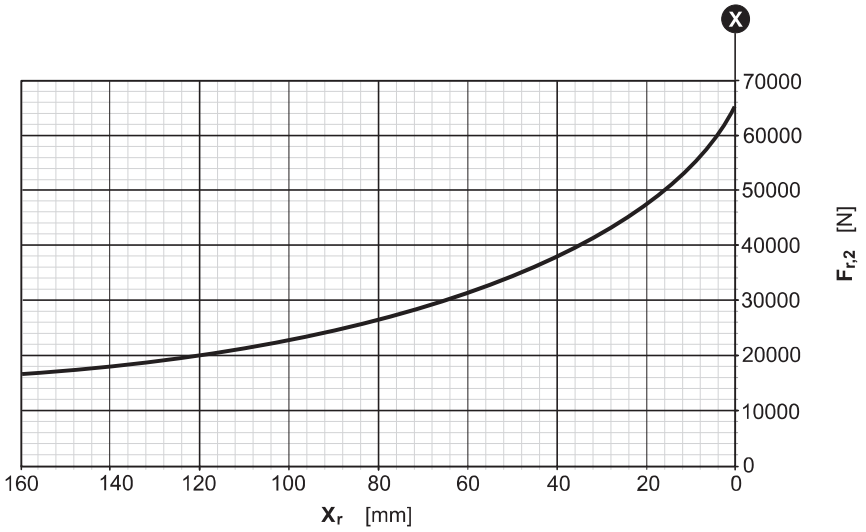


C36

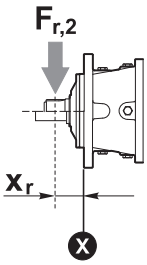
154B3090

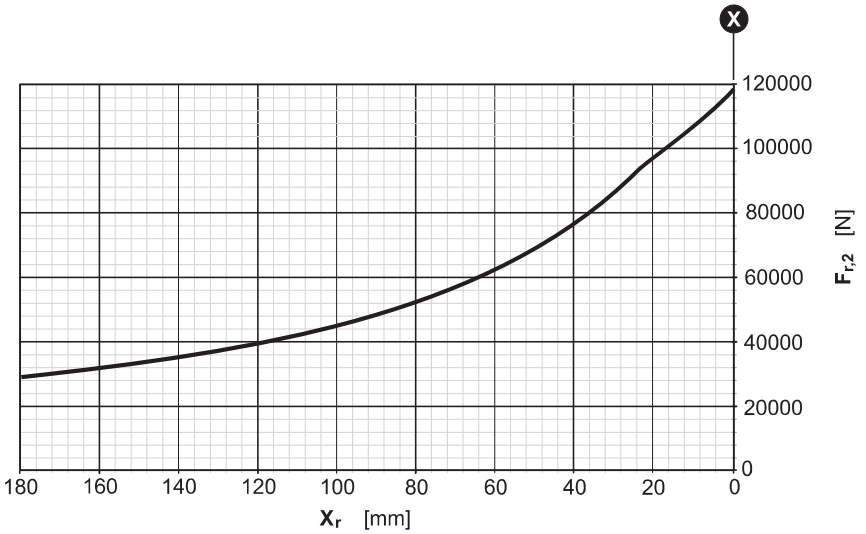
RR / RA	310	..	MS / MC



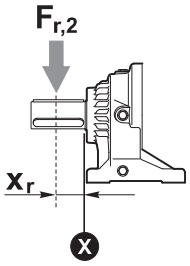


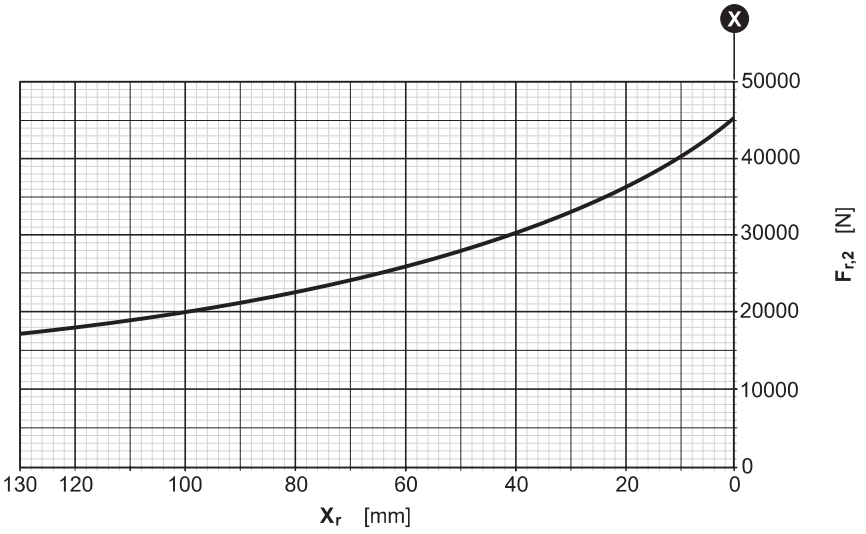
RR / RA	310	..	SS / SC / SE



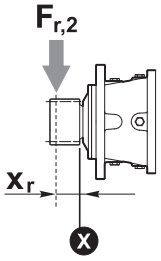


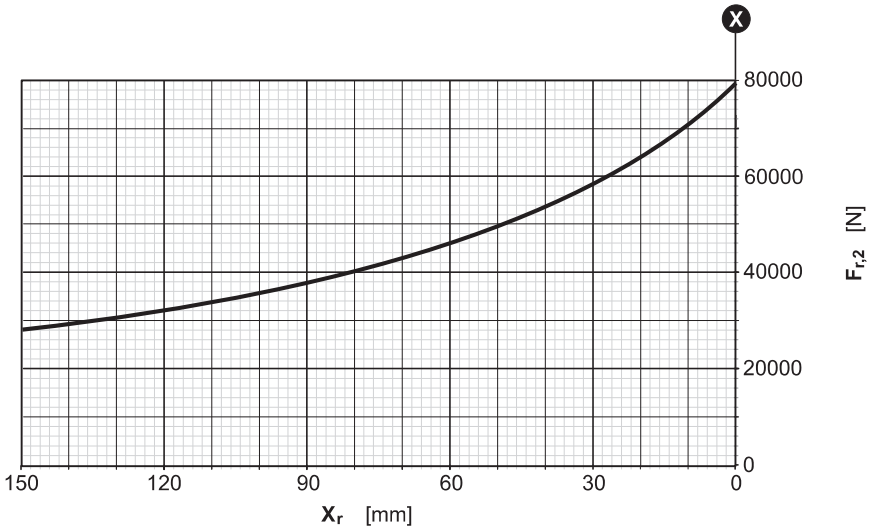
RR / RA	310	..	UC





RR	310	..	SI





Fattore correttivo k_{r2} / *k_{r2} Corrective coefficient* / Korrekturfaktor k_{r2}
Facteur correctif k_{r2} / *Factor de corrección k_{r2}* / Fator corretivo k_{r2}