



810

IT EN DE FR ES PT

RR810

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i



	i	T ₂ [Nm]						n _{1max} [min ⁻¹]	T _{2max} [Nm]	P _t [kW]
		n ₂ x h								
		10000 (10 ⁴)	25000 (2.5 · 10 ⁴)	50000 (5 · 10 ⁴)	100000 (10 ⁵)	500000 (5 · 10 ⁵)	1000000 (10 ⁶)			
1/...										
RR810	3.92	11560	10700	10560	10410	7540	6120	3000	14500	35
	4.30	11230	10350	10210	9800	7530	6120			
	5.47	10400	8900	7830	7300	6620	5940			
	6.43	8580	7240	6360	6080	5510	5280			
	7.90	5550	4680	4220	4050	3670	3510			
	8.60	4850	4080	3730	3570	3230	3100			
RR810D	14.62	11230	10350	10210	9800	6810	5530	3500	14500	21
	17.20	11230	10350	10210	9800	6700	5440			
	21.50	9470	8430	8080	7740	6530	5310			
	27.35	10400	8900	7830	7300	6620	5940			
	31.73	10120	8900	7830	7300	6620	5940			
	38.29	7960	7530	7220	6920	6270	5940			
	45.00	8580	7240	6360	6080	5510	5280			
	55.30	5550	4680	4220	4050	3670	3510			
60.20	4850	4080	3730	3570	3230	3100				
RR810T	55.21	11230	10350	10210	9800	6500	5280	3500	14500	16
	70.52	11230	10350	10210	9800	6280	5100			
	88.15	9470	8430	8080	7740	6530	5310			
	116.53	9470	8430	8080	7740	6530	5310			
	154.80	9470	8430	8080	7740	6530	5310			
	171.95	10120	8900	7830	7300	6620	5940			
	228.43	10120	8900	7830	7300	6620	5940			
	275.69	7960	7530	7220	6920	6270	5940			
	323.97	8580	7240	6360	6080	5510	5280			
	398.16	5550	4680	4220	4050	3670	3510			
	433.44	4850	4080	3730	3570	3230	3100			
RR810Q	247.53	11230	10350	10210	9800	6280	5100	3500	14500	13
	327.92	11230	10350	10210	9800	6280	5100			
	409.90	9470	8430	8080	7740	6530	5310			
	547.41	9470	8430	8080	7740	6530	5310			
	723.65	9470	8430	8080	7740	6530	5310			
	920.55	10400	8900	7830	7300	6620	5940			
	1067.84	10120	8900	7830	7300	6620	5940			
	1418.53	10120	8900	7830	7300	6620	5940			
	1712.02	7960	7530	7220	6920	6270	5940			
	2011.86	8580	7240	6360	6080	5510	5280			
	2472.57	5550	4680	4220	4050	3670	3510			
	2691.66	4850	4080	3730	3570	3230	3100			



RA810

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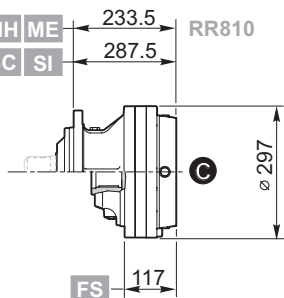


	i 1/...	T ₂ [Nm]						n _{1max} [min ⁻¹]	T _{2max} [Nm]	P _t [kW]
		n ₂ x h								
		10000 (10 ⁴)	25000 (2.5 · 10 ⁴)	50000 (5 · 10 ⁴)	100000 (10 ⁵)	500000 (5 · 10 ⁵)	1000000 (10 ⁶)			
RA810	17.20	7170	6430	5700	5430	4070	3310	3500	14500	33
	21.88	9070	7820	7120	6800	4820	3910			
	25.71	8580	7240	6360	6080	5390	4380			
	31.60	5550	4680	4220	4050	3670	3510			
	34.40	4850	4080	3730	3570	3230	3100			
RA810D	47.08	6430	5620	5340	5080	3420	2780	3500	14500	19
	55.38	7340	6540	6210	5900	3830	3110			
	69.23	8790	8040	7640	7260	4480	3640			
	88.07	10400	8900	7830	7300	5300	4300			
	102.16	10120	8900	7830	7300	5880	4770			
	123.29	7960	7530	7220	6920	6270	5450			
	144.89	8580	7240	6360	6080	5510	5280			
	178.07	5550	4680	4220	4050	3670	3510			
	193.84	4850	4080	3730	3570	3230	3100			
	202.55	4850	4080	3730	3570	3230	3100			
	219.52	5470	5080	4800	4540	3980	3850			
	225.45	5610	5210	4920	4650	4080	3950			
	232.58	5550	4680	4220	4050	3670	3510			
	253.18	4850	4080	3730	3570	3230	3100			
	264.94	6500	6040	5710	5390	4730	4640			
	293.69	4850	4080	3730	3570	3230	3100			
	325.61	5550	4680	4220	4050	3670	3510			
	354.46	4850	4080	3730	3570	3230	3100			
RA810T	177.78	11230	10350	10210	9800	6500	5280	3500	14500	15
	227.07	11230	10350	10210	9800	6280	5100			
	283.84	9470	8430	8080	7740	6530	5310			
	375.23	9470	8430	8080	7740	6530	5310			
	498.46	9470	8430	8080	7740	6530	5310			
	553.69	10120	8900	7830	7300	6620	5940			
	735.54	10120	8900	7830	7300	6620	5940			
	887.72	7960	7530	7220	6920	6270	5940			
	1043.19	8580	7240	6360	6080	5510	5280			
	1282.08	5550	4680	4220	4050	3670	3510			
	1395.68	4850	4080	3730	3570	3230	3100			
	1435.96	8580	7240	6360	6080	5510	5280			
	1580.54	8580	7240	6360	6080	5510	5280			
	1623.25	7960	7530	7220	6920	6270	5940			
	1764.79	5550	4680	4220	4050	3670	3510			
	1822.92	4850	4080	3730	3570	3230	3100			
	2114.59	4850	4080	3730	3570	3230	3100			
	2344.37	5550	4680	4220	4050	3670	3510			
	2552.09	4850	4080	3730	3570	3230	3100			

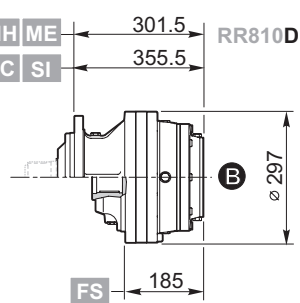


RR810

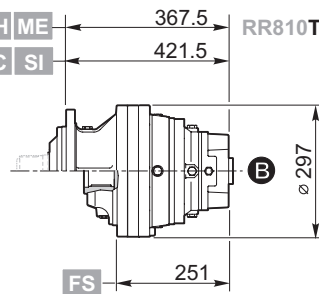
MS	MC	MH	ME
SS	SC	SI	



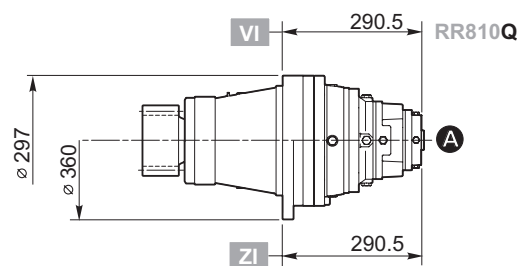
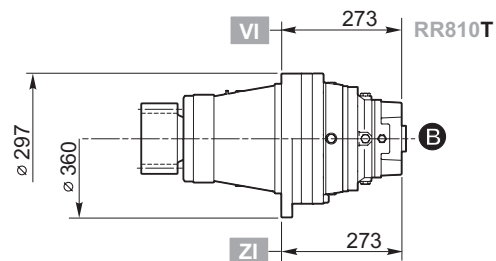
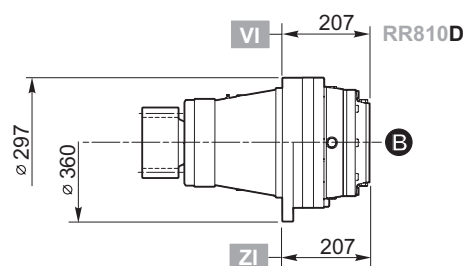
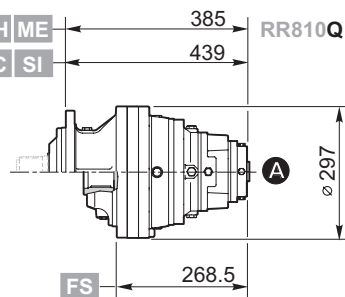
MS	MC	MH	ME
SS	SC	SI	



MS	MC	MH	ME
SS	SC	SI	

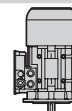


MS	MC	MH	ME
SS	SC	SI	



CFG

RF	BOC
A	B
C	



C3

C3

B99

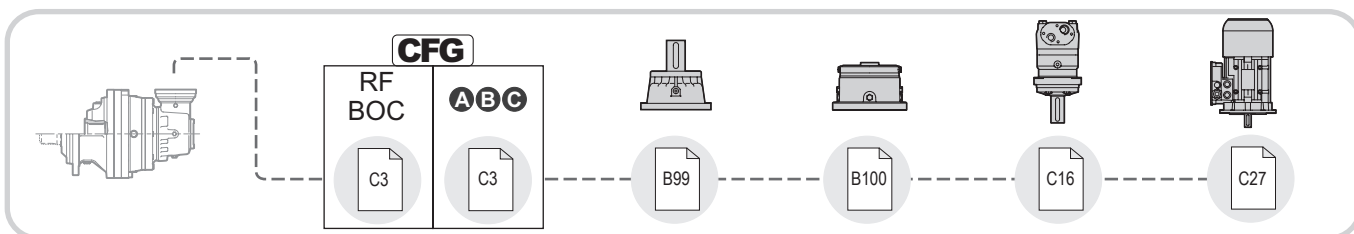
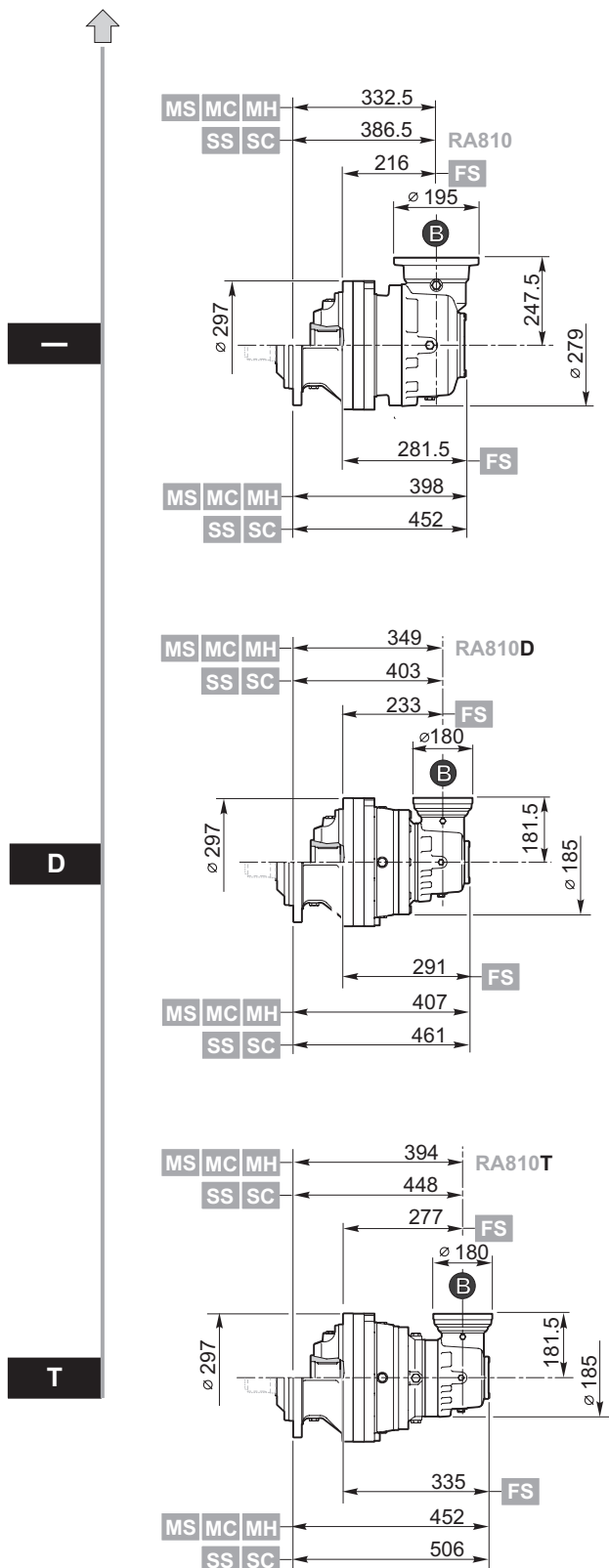
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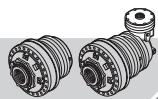
C16

C27



RA810 .. i ..





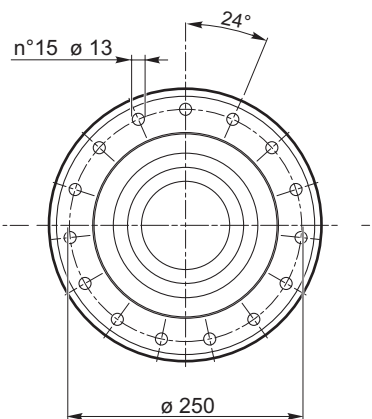
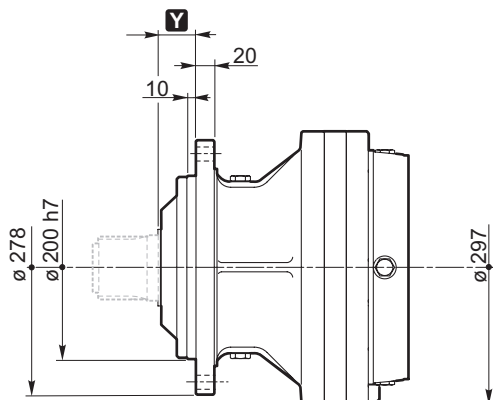
810

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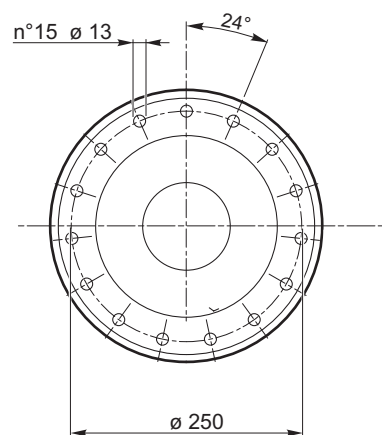
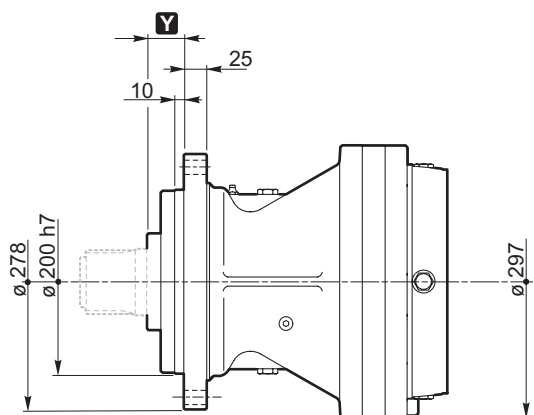
RR810	..	i	..
RA810	..		



- MS
- MC
- MH
- ME

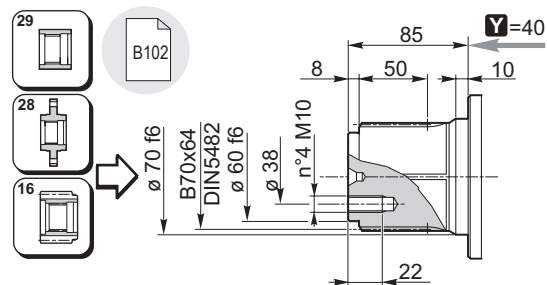
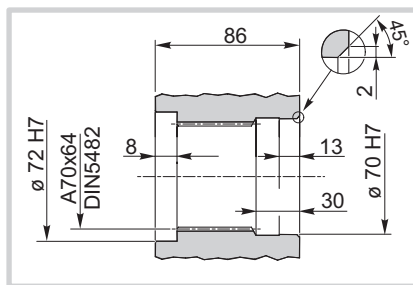
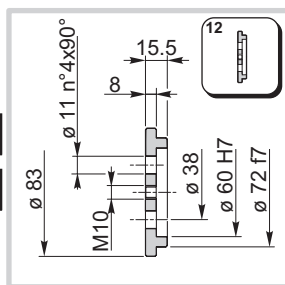


- SS
- SC

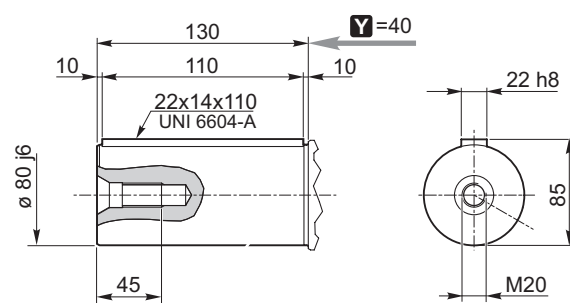
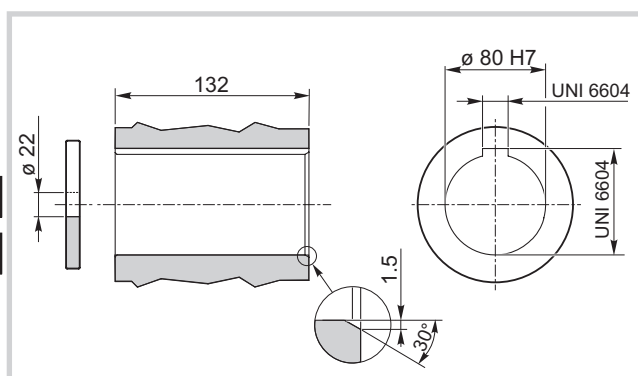




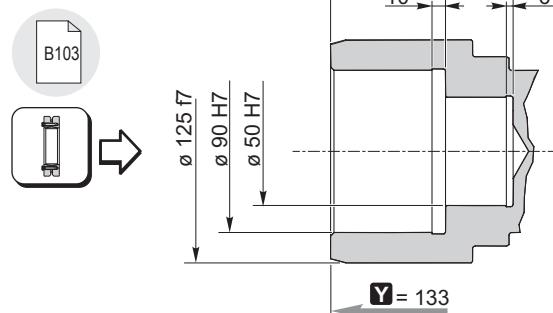
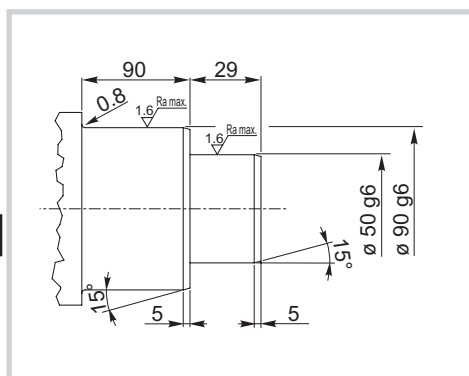
MS
SS



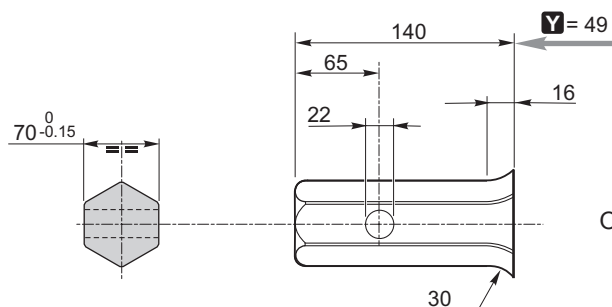
MC
SC



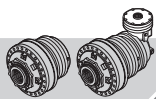
MH



ME



Only for RR810



810

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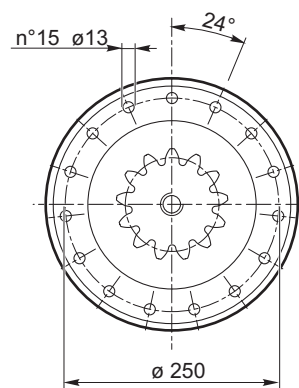
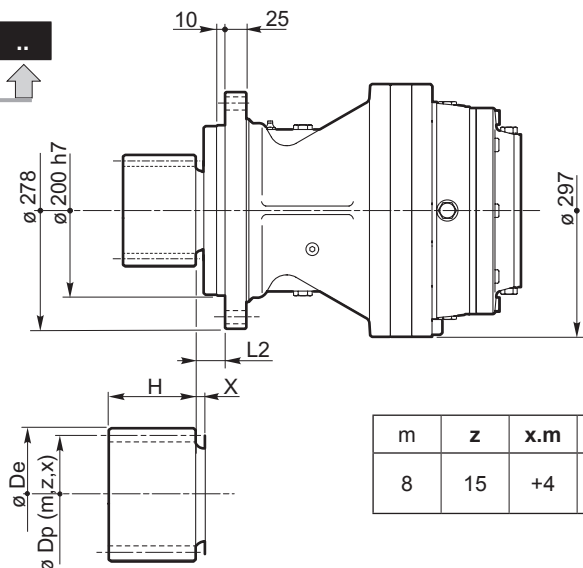
RR810

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i

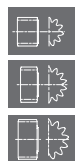
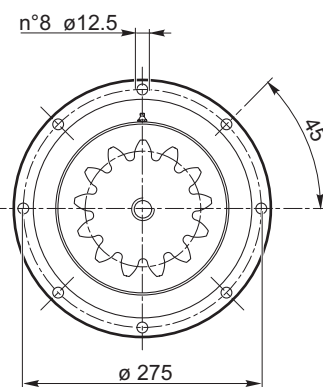
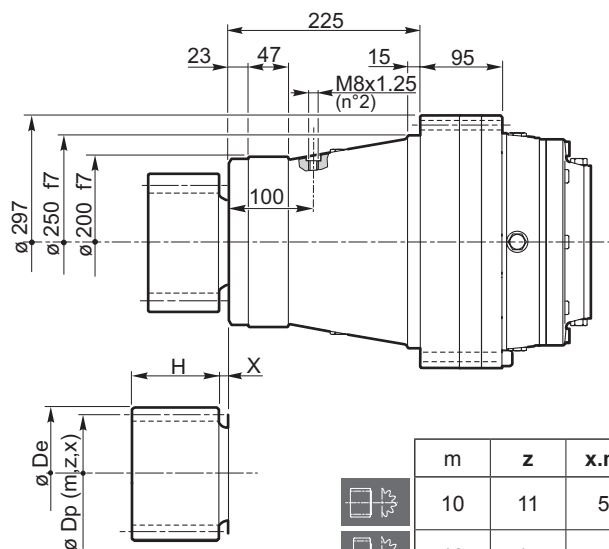
..

SI



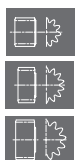
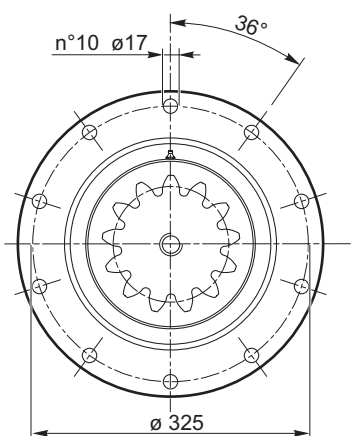
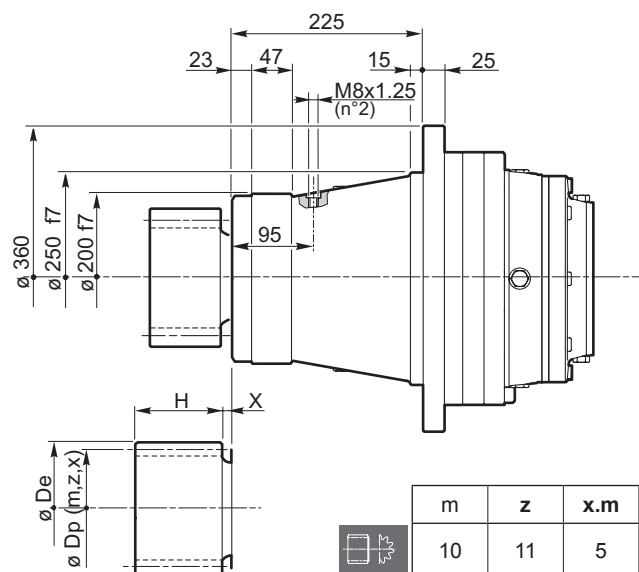
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8	15	+4	73.5	120	144	40	15	03-366	154B4175

VI



m	z	x.m	H	Dp	De	X	code	
10	11	5	95	110	136	5	03-476	154F1861
10	14	4.8	80	140	168	5	03-487	154F1977
12	13	6	90	156	189	5	03-462	154F0804

ZI

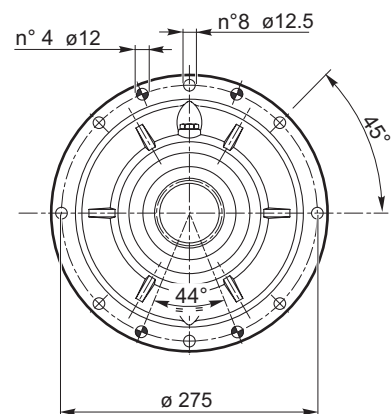
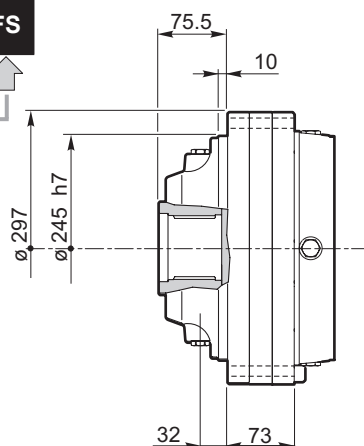


m	z	x.m	H	Dp	De	X	code	
10	11	5	95	110	136	5	03-476	154F1861
10	14	4.8	80	140	168	5	03-487	154F1977
12	13	6	90	156	189	5	03-462	154F0804



RR810
RA810 .. i **FS**

FS



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

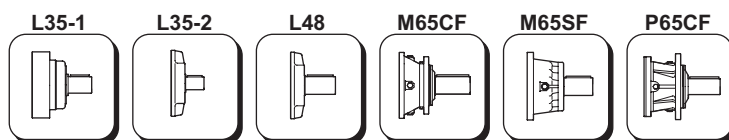
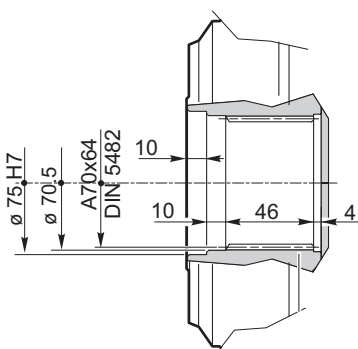
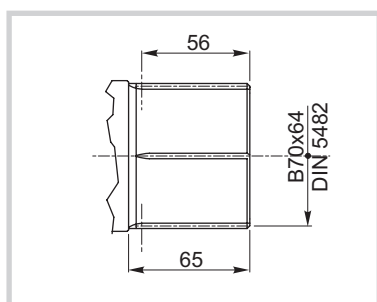
Heat treatment:
Induction hardening according to UNI 10932 on internal spline

Wärmebehandlung:
Induktionshärtung nach UNI 10932 an interner Nut

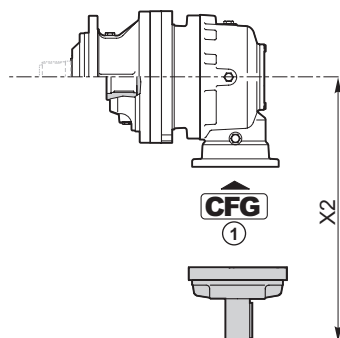
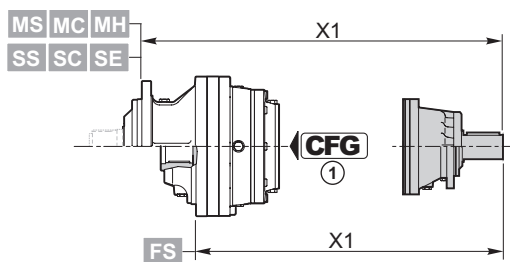
Traitement thermique:
Trempa par induction conformément à la norme UNI 10932 sur cannelé interne

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

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



C10



	CFG ①		code	X1
RR810	-	P65CF	154-2404	545.5 (M...) 429 (FS) 599 (S...)
RR810D	RF	M65SF	154B4249	486 (M...) 369.5 (FS) 540 (S...)
	RF	M65CF	154-2407	509 (M...) 392 (FS) 563 (S...)
	BOC	L48	154B3989	423 (M...) 306.5 (FS) 477 (S...)
RR810T	BOC	L35-2	154-2190M1	457 (M...) 340.5 (FS) 511 (S...)
RR810Q	RF	L35-1	154B4054	473 (M...) 356.5 (FS) 527 (S...)

	CFG ①		code	X2
RA810	BOC	L48	154B3989	347.5
RA810D	BOC	L35-2	154-2190M1	270.5
RA810T	BOC	L35-2	154-2190M1	270.5

CFG
RF BOC
A B C



810

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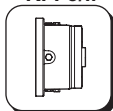
RF170-290



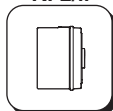
RF5/..



RFF5/..

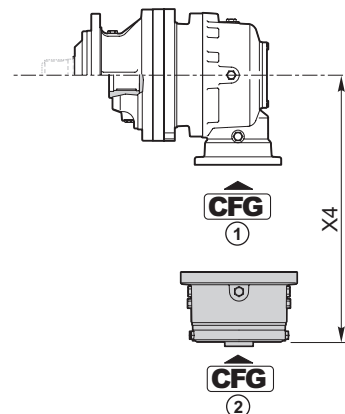
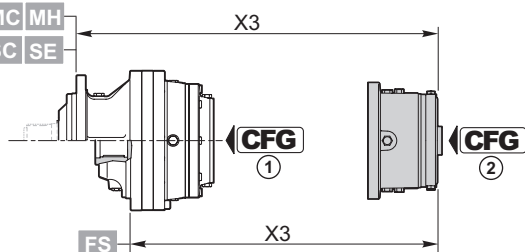


RF2/..



C12

MS MC MH
SS SC SE

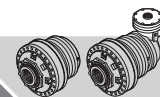


CFG	
RF	C3
BOC	C3
A	C3
B	C3
C	C3

RF170÷290	CFG ①	T _f [Nm]	CFG ②		
			C		
			code	X3	X4
RR810	RF	1700	154B9766M4	431 (M...) 314 (FS) 485 (S...)	—
		2000	154B9767M4		
		2300	154B9768M4		
		2900	154B9769M4		

RF5/..	CFG ①	T _f [Nm]	CFG ②					
			B			OMTS 12/24 z16	OMVS 10/20 z16	
			code	X3	X4	code	code	X3 X4
RR810D	RF	210	154-2872	392 (M...) 275.5 (FS) 446 (S...)	—	154-2879	154-2886	395.7 (M...) 279.2 (FS) 449.7 (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	

RFF5/..	CFG ①	T _f [Nm]	CFG ②					
			B			OMTS 12/24 z16	OMVS 10/20 z16	
			code	X3	X4	code	code	X3 X4
RA810	RF	210	154-2893	—	316.6	154-5338	154-5345	— 320.5
		290	154-2894			154-5339	154-5346	
		430	154-2895			154-5340	154-5347	
		650	154-2896			154-5341	154-5348	
		850	154-2897			154-5342	154-5349	
		1100	154-2898			154-5343	154-5350	
		1300	154-2899			154-5344	154-5351	



RF2/..	CFG ①	T _f [Nm]	CFG ②						
			B		OMP/OMR SAE A 2B Ø 25	OMP/OMR SAE A 2B 1" 6B	OMP/OMR SAE A 4B Ø 25	OMP/OMR SAE A 4B 1" 6B	
			code	X3	code	code	code	code	
RR810D	RF	70	154-2345	364.5 (M...) 248 (FS) 418.5 (S...)	154-2345M10	154-2345M11	154-2345M16	154-2345M17	354.5 (M...) 238 (FS) 408.5 (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	
RR810T	RF	70	154-2838M1	406 (M...) 289.5 (FS) 460 (S...)	154-2863	154-2863M11	154-2635	154-2635M11	396 (M...) 279.5 (FS) 450 (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	

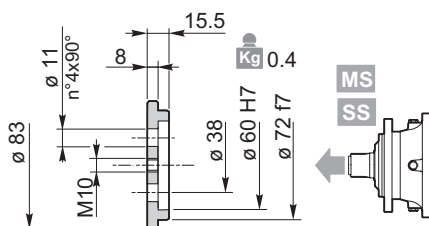
	CFG ①	T _f [Nm]	CFG ②						
			A	OMP/OMR SAE A 2B Ø 25	OMP/OMR SAE A 2B 1" 6B	OMP/OMR SAE A 4B Ø 25	OMP/OMR SAE A 4B 1" 6B		
				code	X3	code	code	code	code
RR810Q	RF	70	154-2832M1	451 (M...) 334.5 (FS) 505 (S...)	154-2858M1	154-2858M5			446.5 (M...) 330 (FS) 500.5 (S...)
		140	154-2833M1		154-2859M1	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			

	CFG ①	T _f [Nm]	CFG ②						
			B		OMP/OMR SAE A 2B Ø 25	OMP/OMR SAE A 2B 1" 6B	OMP/OMR SAE A 4B Ø 25	OMP/OMR SAE A 4B 1" 6B	
			code	X4	code	code	code	code	X4
RA810	RF	70	154F2991	285.3					—
		140	154F1890						
		210	154F2961						
		320	154B3591						
		430	154B3592						
		600	154F2992						
RA810D	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		
RA810T	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		
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CFG	
RF BOC	C3
A B C	C3

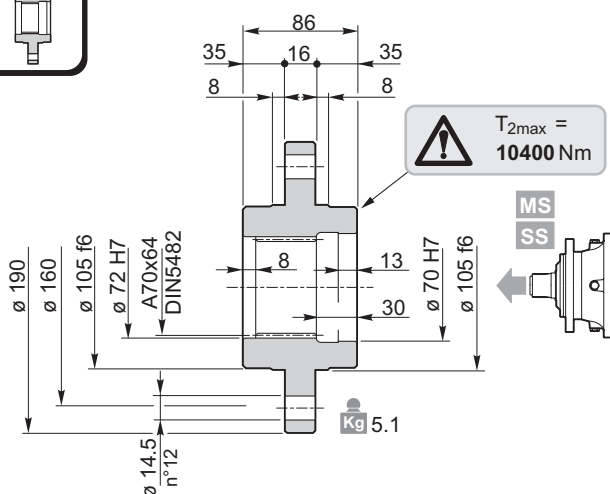


12



154-3066

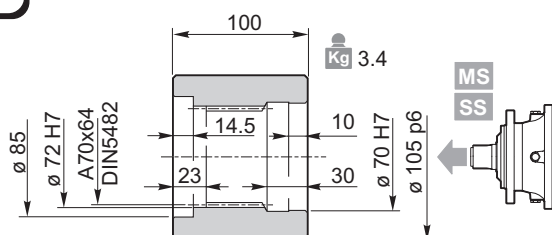
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154-3114

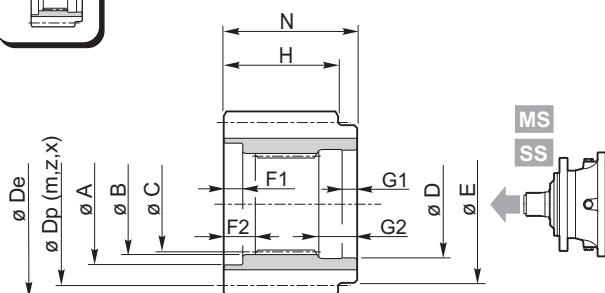
<u>Trattamento termico:</u> Tempra ad induzione secondo UNI 10932 su scanalato interno <u>Heat treatment:</u> <i>Induction hardening according to UNI 10932 on internal spline</i> <u>Wärmebehandlung:</u> Induktionshärtung nach UNI 10932 an interner Nut <u>Traitement thermique :</u> Trempe par induction conformément à la norme UNI 10932 sur cannelé interne <u>Tratamiento térmico:</u> <i>Temple por inducción según UNI 10932 en acanalado interno</i> <u>Tratamento térmico:</u> Tempera por indução segundo UNI 10932 sobre ranhuras internas	
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29



154-3090

<u>Trattamento termico:</u> Tempra ad induzione secondo UNI 10932 su scanalato interno <u>Heat treatment:</u> <i>Induction hardening according to UNI 10932 on internal spline</i> <u>Wärmebehandlung:</u> Induktionshärtung nach UNI 10932 an interner Nut <u>Traitement thermique :</u> Trempe par induction conformément à la norme UNI 10932 sur cannelé interne <u>Tratamiento térmico:</u> <i>Temple por inducción según UNI 10932 en acanalado interno</i> <u>Tratamento térmico:</u> Tempera por indução segundo UNI 10932 sobre ranhuras internas



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

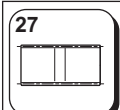
Tratamiento térmico:

Temple por inducción según UNI 10932 en acanalado interno

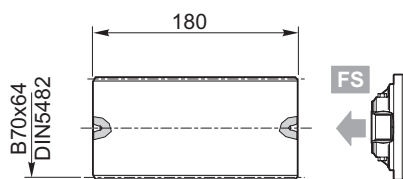
Tratamento térmico:

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 SS	85	72 H7	DIN5482 A70x64	70 H7	90	7.5	16	10	30	93	8	17	0	85	136	149.5	154-2290
	85	72 H7	DIN5482 A70x64	70 H7	90	7.5	16	10	30	93	10	13	0.4	85	130	157	154-3249
	85	72 H7	DIN5482 A70x64	70 H7	90	7.5	16	10	30	93	10	14	0	85	140	156	154-3247
	85	72 H7	DIN5482 A70x64	70 H7	90	7.5	16	10	30	93	10	15	0.7	85	150	179	154-2291



Kg 5.0



154-3053

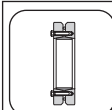
Materiale / Material / Material

Matériau / Material / Material:

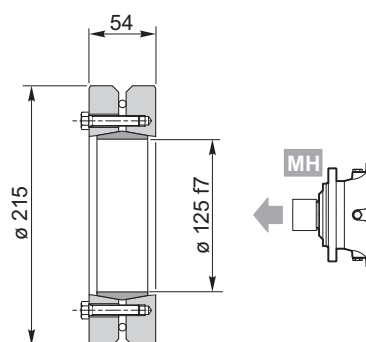
Acciaio / Steel / Stahl / Acier / Acero / Aço
39NiCrMo3 UNI 7845 (1.6511)



**T_{2max} =
14000Nm**

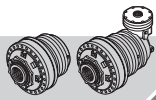


Kg 8.3



154F4654

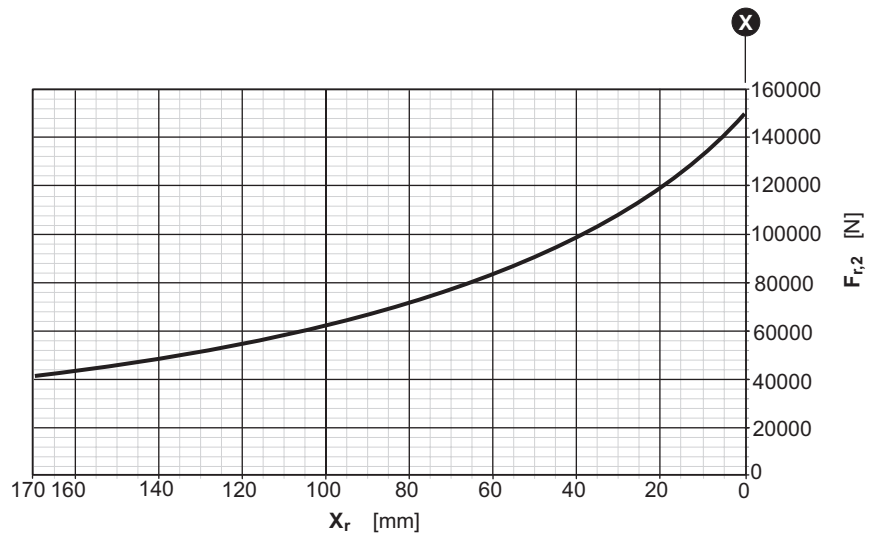
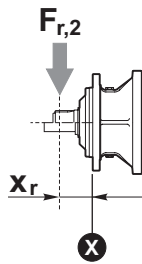
C36



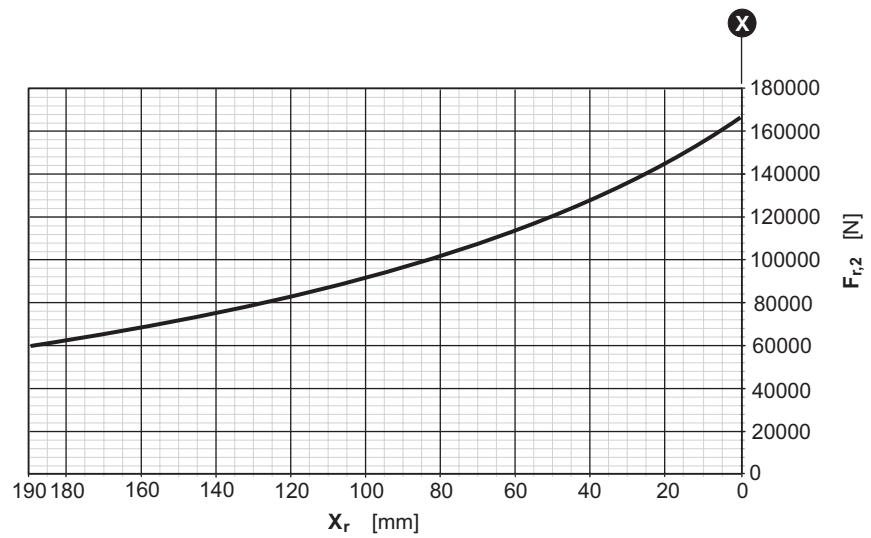
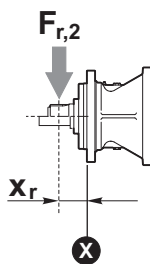
810

IT EN DE FR ES PT

RR	810	..	MS
RA			MC
			ME

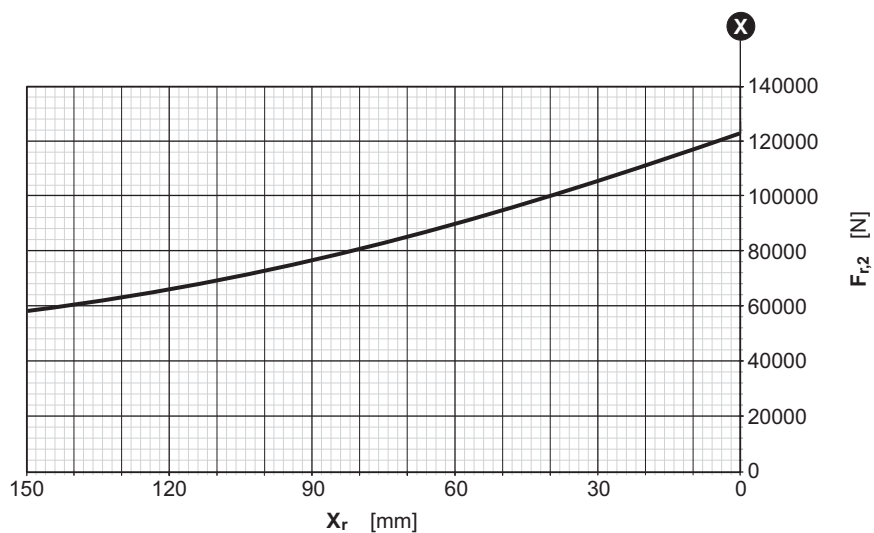
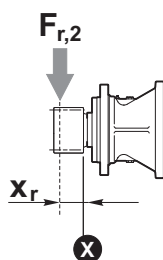


RR	810	..	SS
RA			SC

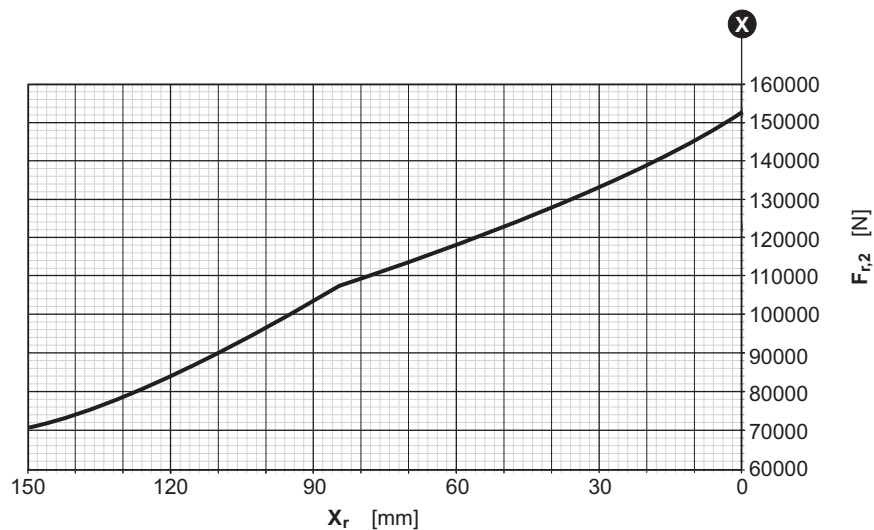
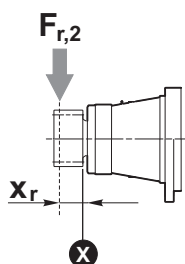




RR 810 .. SI



RR 810 .. VI
ZI



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

