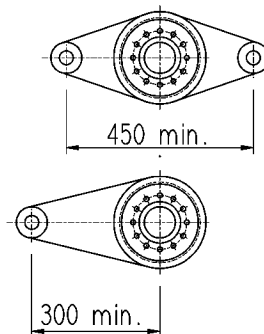
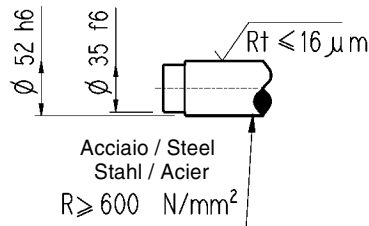
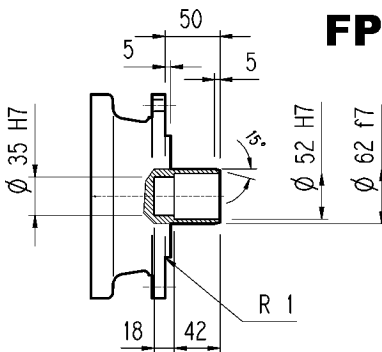
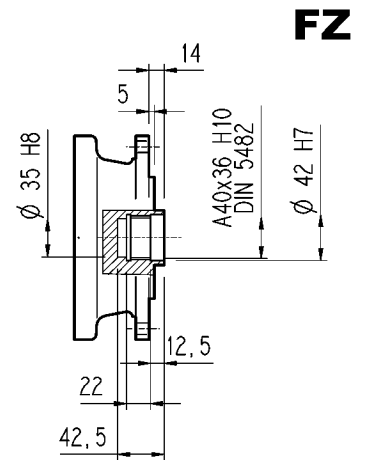
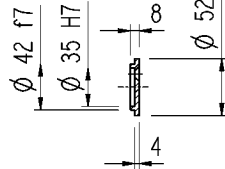
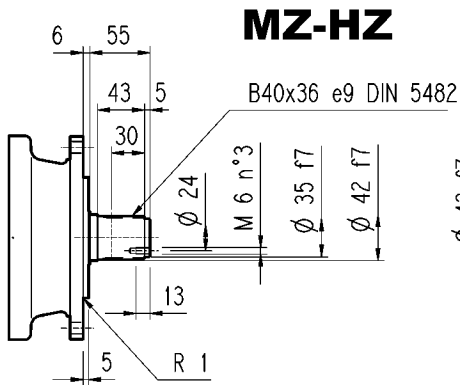
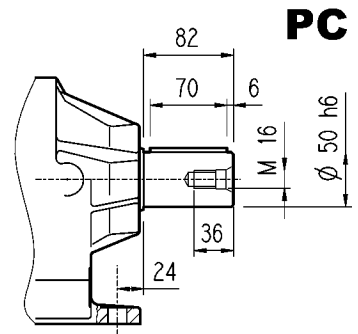
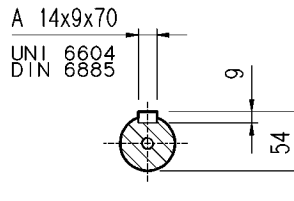
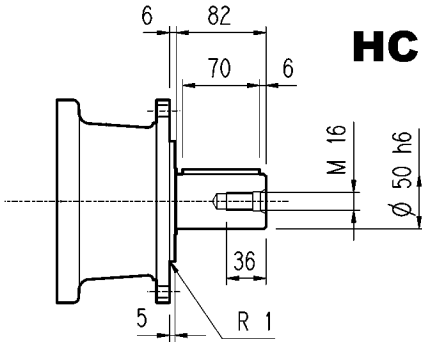
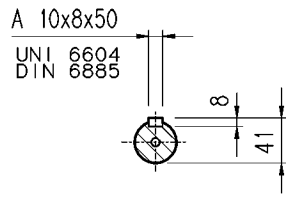
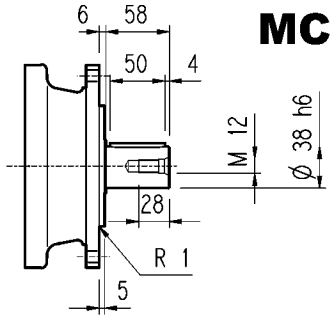


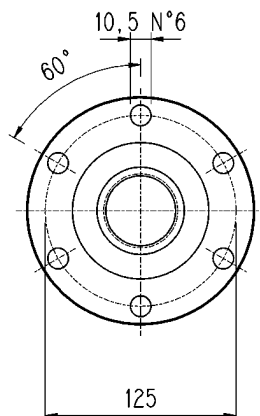
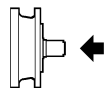
# 301L - 301R



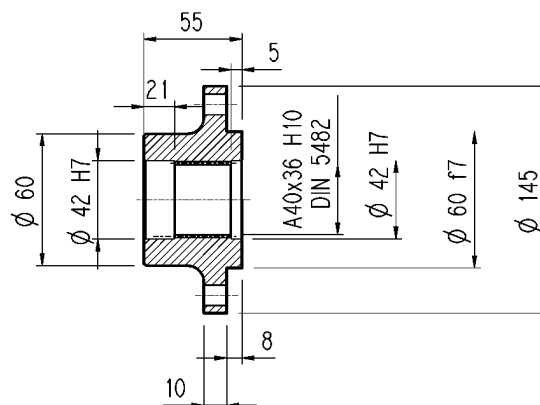
VERSIONE FP	COPPIA MAX. TRASMISSIBILE	<b>2 400 Nm</b>
FP VERSION	MAX. TRANSMISSIBLE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

Flangia / Flange  
Flansch / Brides

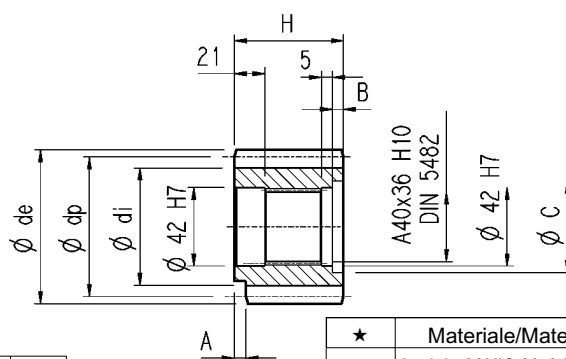
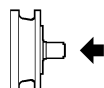
**301L - 301R**  
**WOA**



Materiale : Acciaio C40  
Material : Steel C40  
Material : Stahl C40  
Màterial : Acier C40



Pignoni per rotazione / Output pinions  
Ritzel / Pignons

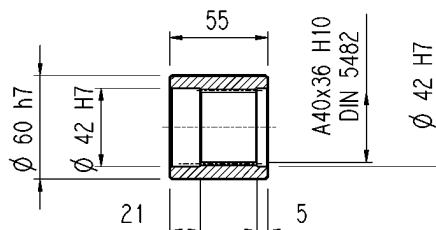
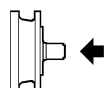


**P...**

	m	z	x	dp	di	de	H	A	B	C	★
<b>PBE</b>	4.5	14	0.507	63	56	75.5	55	0	0	0	■
<b>PCE</b>	5	14	0.500	70	62.5	84.8	65	0	10	53	■
<b>PDC</b>	6	12	0.250	72	61	84.8	59	14	4	54	■
<b>PDE</b>	6	14	0.500	84	73	99.6	65	0	10	54	■

★	Materiale/Material/Material/Màterial
■	Acciaio 39NiCrMo3 Bonificato Steel 39NiCrMo3 hardened and tempered Vergüteter Stahl 39NiCrMo3 Acier bonifié 39NiCrMo3
□	Acciaio 18NiCrMo5 Cementato e temprato Steel 18NiCrMo5 Case hardened Einsatzstahl 18NiCrMo5 Einsatzgehärtet Acier cementé et tempré 18NiCrMo5

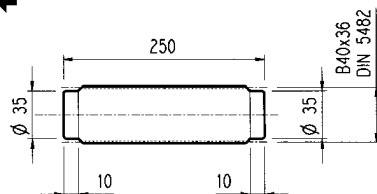
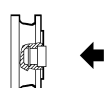
Manicotti lisci / Sleeve couplings  
Naben / Manchons lisses a cannelure interieure



**MOA**

Materiale : Acciaio 16CrNi4  
Material : Steel 16CrNi4  
Material : Stahl 16CrNi4  
Màterial : Acier 16CrNi4

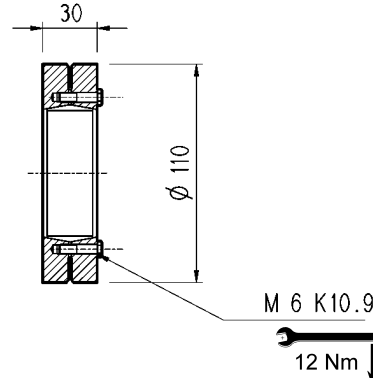
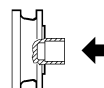
Barre scanalate / Splined bars  
Vielkeilwellen / Barre cannelée



**BOA**

Mat. acciaio 18NiCrMo5 UNI 5331 da cementare e temprare 50-55 HRC  
Case hardening steel 18NiCrMo5 UNI 5331  
must be case hardened 50-55 HRC  
Material: Einsatzstahl 18NiCrMo5 UNI 5331  
muss einsatzgehärtet werden 50-55 HRC  
Acier 18 NiCrMo5 UNI 5331 doit être cémenté trempé 50-55 HRC

Giunto ad attrito / Shrink disc  
Schrumpfscheibe / Frette de serrage

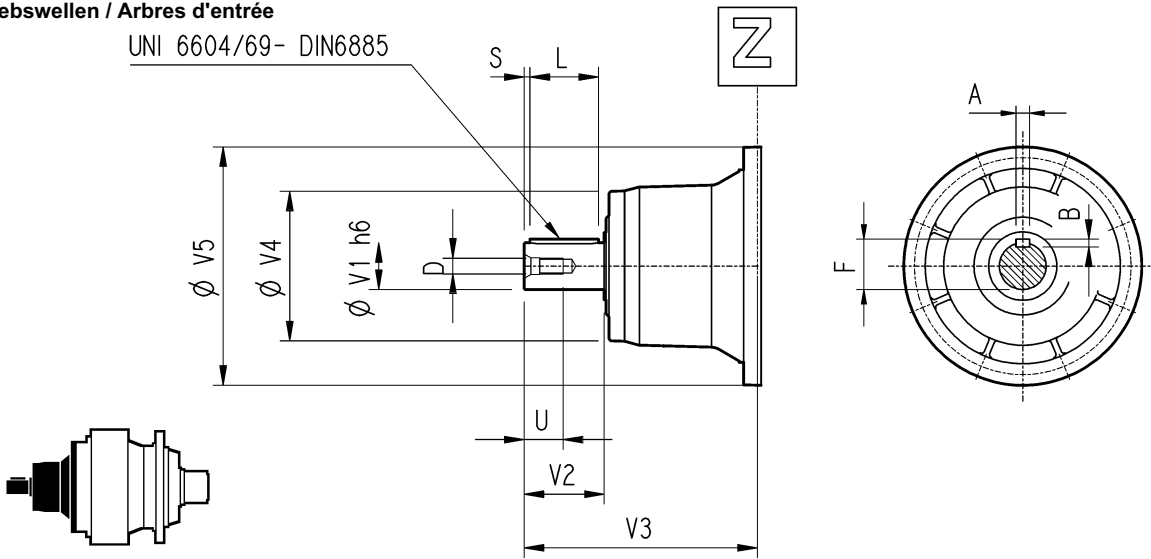


**GOA**

# 301L - 301R

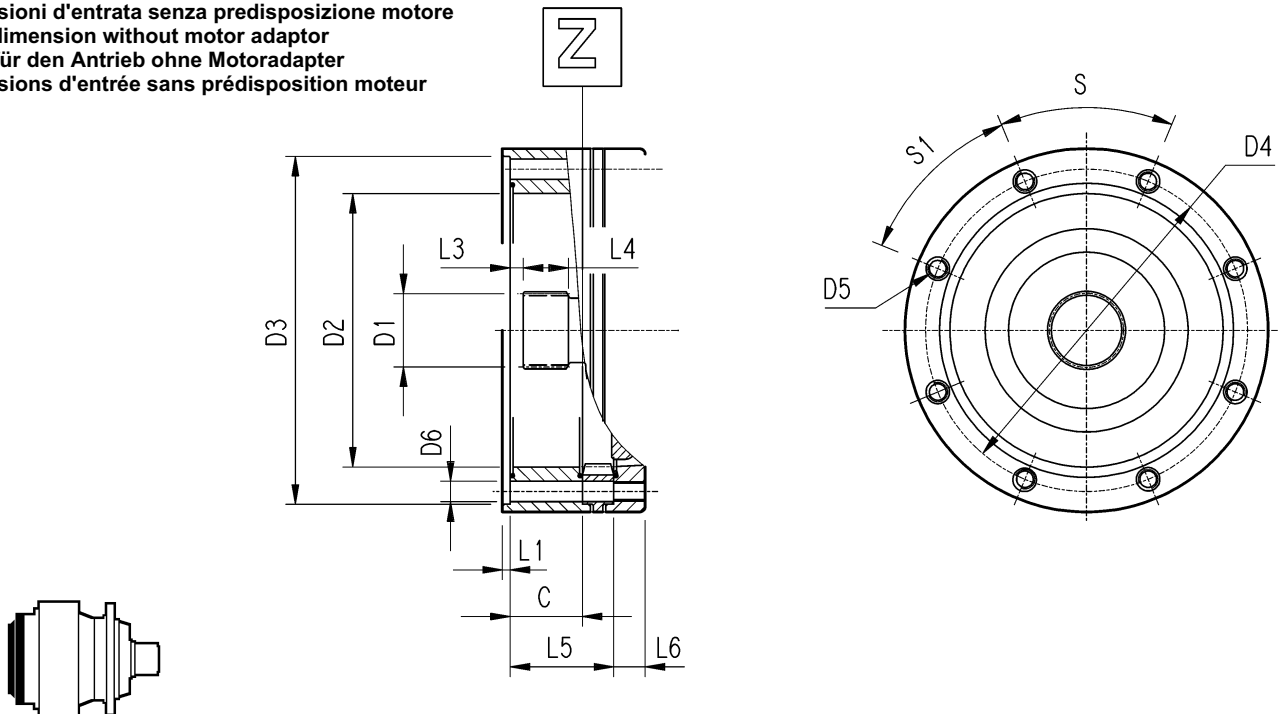
Alberi veloci / Input shaft  
Antriebswellen / Arbres d'entrée

UNI 6604/69- DIN6885



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
301 L1	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
301 L2	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
301 L3	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
301 L4	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
301 R2-R3-R4	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28

Dimensioni d'entrata senza predisposizione motore  
Input dimension without motor adaptor  
Maße für den Antrieb ohne Motoradapter  
Dimensions d'entrée sans prédisposition moteur



	C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Entrata Input Antrieb Entrée
301 L1	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	65	18	45°	45°	A
301 L2	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	118	18	45°	45°	A
301 L3	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	171	18	45°	45°	A
301 L4	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	224	18	45°	45°	A
301 R2-R3-R4	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	37	18	45°	45°	A

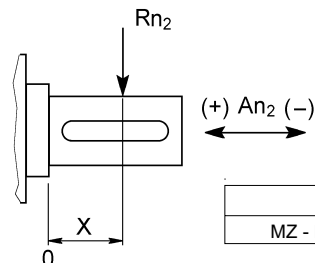
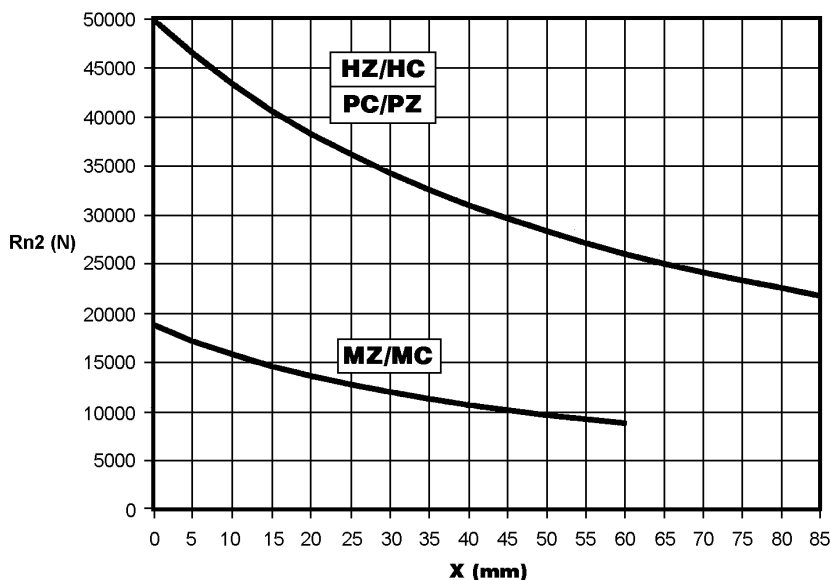
# 301L - 301R

Carichi radiali ed assiali ammissibili sull'albero lento per un valore di  $F_{h2} : n_2 \cdot h = 10\ 000$

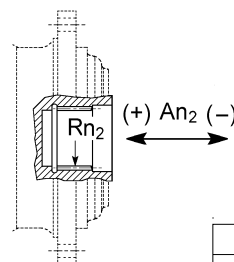
Permissible radial and axial loads on output shaft with  $F_{h2} : n_2 \cdot h = 10\ 000$

An der Ausgangswelle zulässige Radiallasten und Axialkräfte für einen Wert von  $F_{h2} : n_2 \cdot h = 10\ 000$

Charges radiales et axiales admises sur l'arbre lent pour une valeur de  $F_{h2} : n_2 \cdot h = 10\ 000$



	$An_2 (+)$	$An_2 (-)$
MZ - MC	20 000	15 000



	$R_{n2}$	$An_2 (+/-)$
FZ	8 000	8 000

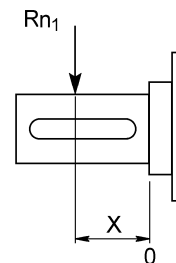
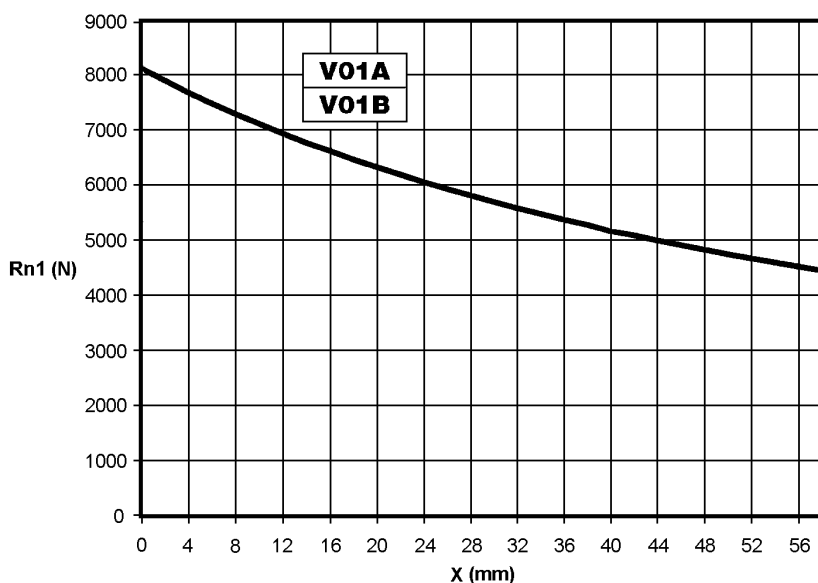
Fattore $f_{h2}$ correttivo per carichi sugli alberi Load corrective factor $f_{h2}$ on shafts Korrektionsfaktor $f_{h2}$ für wellenbelastungen Facteur de correction $f_{h2}$ pour charges sur les arbres	$F_{h2} = n_2 \cdot h$						
		10 000	25 000	50 000	100 000	500 000	1 000 000
$f_{h2}$	MZ - MC - FZ	1	0.74	0.58	0.46	0.27	0.21
	HZ - HC - PC - PZ	1	0.76	0.61	0.50	0.31	0.25

Carichi radiali ammissibili sull'albero veloce per un valore di  $F_{h1} : n_1 \cdot h = 250\ 000$

Permissible radial loads on input shaft with  $F_{h1} : n_1 \cdot h = 250\ 000$

An der Antriebswelle zulässige Radiallasten für einen Wert von  $F_{h1} : n_1 \cdot h = 250\ 000$



Charges radiales admises sur l'arbre d'entrée pour une valeur de  $F_{h1} : n_1 \cdot h = 250\ 000$



Fattore $f_{h1}$ correttivo per carichi sugli alberi Load corrective factor $f_{h1}$ on shafts Korrektionsfaktor $f_{h1}$ für wellenbelastungen Facteur de correction $f_{h1}$ pour charges sur les arbres	$F_{h1} = n_1 \cdot h$						
		250 000	500 000	1 000 000	2 000 000	5 000 000	10 000 000
$f_{h1}$	1	0.79	0.63	0.50	0.37	0.29	

# 303L



# M<sub>2</sub> = 2500 Nm

	i	M <sub>n2</sub> [Nm]						P <sub>1</sub>	P <sub>t</sub>	n <sub>1</sub>	n <sub>1max</sub>	M <sub>b</sub>	
		n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h						
<b>L1</b>	3.60	2 300	2 200	2 150	2 100	2 100	1 750	40	11	1 800	3 800	800	5G
	4.25	2 900	2 750	2 650	2 600	2 150	1 750	40	11	1 800	3 800	800	5G
	5.33	2 850	2 450	2 200	2 200	2 100	1 700	40	11	1 800	3 800	630	5E
	6.20	2 300	2 000	1 800	1 800	1 750	1 400	40	11	1 800	3 800	500	5C
	7.50	2 000	1 750	1 650	1 650	1 650	1 500	36	11	1 800	3 800	400	5B
<b>L2</b>	12.5	2 300	2 200	2 150	2 100	1 850	1 500	20	9	2 000	4 000	260	4F
	15.3	2 300	2 200	2 150	2 100	1 800	1 450	20	9	2 000	4 000	260	4F
	18.1	2 900	2 750	2 650	2 600	2 000	1 650	20	9	2 000	4 000	260	4F
	20.8	2 300	2 200	2 150	2 100	1 700	1 400	17.0	9	2 000	4 000	160	4D
	22.7	2 850	2 450	2 200	2 200	2 100	1 700	16.2	9	2 000	4 000	160	4D
	24.5	2 750	2 700	2 650	2 600	1 900	1 550	17.8	9	2 000	4 000	160	4D
	26.4	2 300	2 000	1 800	1 800	1 750	1 400	11.4	9	2 000	4 000	160	4D
	30.8	2 850	2 450	2 200	2 200	2 100	1 700	12.0	9	2 000	4 000	160	4D
	35.8	2 300	2 000	1 800	1 800	1 750	1 400	8.5	9	2 000	4 000	100	4B
	38.4	2 850	2 450	2 200	2 200	2 000	1 600	10.0	9	2 000	4 000	100	4B
	44.6	2 300	2 000	1 800	1 800	1 750	1 400	7.0	9	2 000	4 000	100	4B
	54.0	2 000	1 750	1 650	1 650	1 650	1 500	5.3	7.5	2 000	4 000	50	4A
<b>L3</b>	43.6	2 300	2 200	2 150	2 100	1 900	1 500	8.6	7.5	2 000	4 000	100	4B
	53.4	2 300	2 200	2 150	2 100	1 800	1 450	7.1	7.5	2 000	4 000	100	4B
	63.1	2 886	2 700	2 650	2 600	2 100	1 700	7.3	7.5	2 000	4 000	100	4B
	72.3	2 300	2 200	2 150	2 100	1 900	1 500	5.3	7.5	2 000	4 000	50	4A
	77.2	2 900	2 750	2 650	2 600	2 000	1 650	6.2	7.5	2 000	4 000	50	4A
	90.2	2 300	2 200	2 150	2 100	1 900	1 500	4.3	7.5	2 000	4 000	50	4A
	105	2 900	2 750	2 650	2 600	2 000	1 650	4.7	7.5	2 000	4 000	50	4A
	113	2 300	2 000	1 800	1 800	1 750	1 400	3.4	7.5	2 000	4 000	50	4A
	124	2 300	2 000	1 800	1 800	1 750	1 400	3.1	7.5	2 000	4 000	50	4A
	141	2 750	2 700	2 650	2 600	1 900	1 550	3.3	7.5	2 000	4 000	50	4A
	152	2 300	2 000	1 800	1 800	1 750	1 400	2.6	7.5	2 000	4 000	50	4A
	164	2 850	2 450	2 200	2 200	2 100	1 700	3.0	7.5	2 000	4 000	50	4A
	178	2 850	2 450	2 200	2 200	2 100	1 700	2.8	7.5	2 000	4 000	50	4A
	190	2 300	2 000	1 800	1 800	1 750	1 400	2.2	7.5	2 000	4 000	50	4A
	220	2 250	2 200	2 250	2 250	1 700	1 400	1.9	7.5	2 000	4 000	50	4A
	258	2 300	2 000	1 800	1 800	1 750	1 400	1.7	7.5	2 000	4 000	50	4A
	276	2 850	2 450	2 200	2 200	2 000	1 600	1.9	7.5	2 000	4 000	50	4A
	312	2 000	1 750	1 650	1 650	1 650	1 500	1.2	7.5	2 000	4 000	50	4A
389	2 000	1 750	1 650	1 650	1 650	1 500	1.0	7.5	2 000	4 000	50	4A	
<b>L4</b>	413	2 850	2 450	2 200	2 200	2 100	1 700	2.0	6	2 000	4 000	50	4A
	446	2 900	2 750	2 650	2 600	2 000	1 650	2.0	6	2 000	4 000	50	4A
	492	2 750	2 700	2 650	2 600	1 900	1 550	1.6	6	2 000	4 000	50	4A
	556	2 900	2 750	2 650	2 600	2 000	1 650	1.6	6	2 000	4 000	50	4A
	649	2 300	2 200	2 150	2 100	1 850	1 500	1.1	6	2 000	4 000	50	4A
	718	2 300	2 000	1 800	1 800	1 750	1 400	1.1	6	2 000	4 000	50	4A
	816	2 750	2 700	2 650	2 600	1 900	1 550	1.1	6	2 000	4 000	50	4A
	896	2 300	2 000	1 800	1 800	1 750	1 400	0.94	6	2 000	4 000	50	4A
	1 018	2 750	2 700	2 650	2 600	1 900	1 550	0.91	6	2 000	4 000	50	4A
	1 098	2 300	2 000	1 800	1 800	1 750	1 400	0.79	6	2 000	4 000	50	4A
	1 278	2 850	2 450	2 200	2 200	2 100	1 700	0.74	6	2 000	4 000	50	4A
	1 370	2 300	2 000	1 800	1 800	1 750	1 400	0.66	6	2 000	4 000	50	4A
	1 586	2 250	2 250	2 250	2 250	1 700	1 350	0.58	6	2 000	4 000	50	4A
	1 854	2 300	2 000	1 800	1 800	1 750	1 400	0.51	6	2 000	4 000	50	4A
	1 991	2 850	2 450	2 200	2 200	2 000	1 600	0.48	6	2 000	4 000	50	4A
2 243	2 000	1 750	1 650	1 650	1 650	1 500	0.37	6	2 000	4 000	50	4A	
2 799	2 000	1 750	1 650	1 650	1 650	1 500	0.30	6	2 000	4 000	50	4A	

$$M_{2max} = 1.2 \cdot M_{n2} \quad (n_2 \cdot h = 10\,000)$$

# M<sub>2</sub> = 2500 Nm

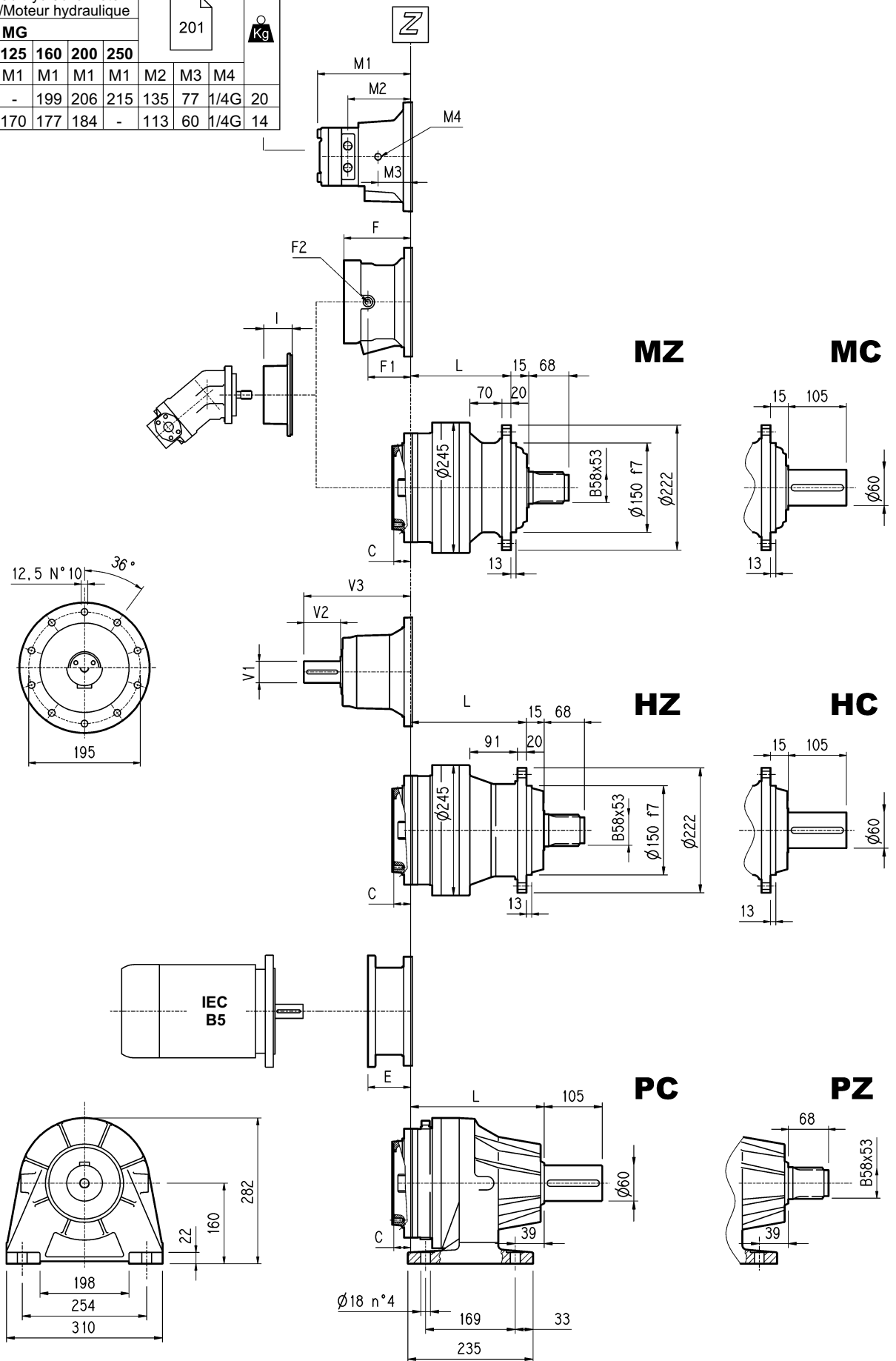
# 303R

	i	M <sub>n2</sub> [Nm]						P <sub>1</sub> [kW]	P <sub>t</sub> [kW]	n <sub>1</sub> [min <sup>-1</sup> ]	n <sub>1max</sub> [min <sup>-1</sup> ]	M <sub>b</sub> [Nm]	
		n <sub>2</sub> ·h 10 000	n <sub>2</sub> ·h 25 000	n <sub>2</sub> ·h 50 000	n <sub>2</sub> ·h 100 000	n <sub>2</sub> ·h 500 000	n <sub>2</sub> ·h 1 000 000						
<b>R2</b>	9.23	2 300	2 200	2 150	2 100	2 000	1 600	35	18	1 800	3 800	330	4H
	10.9	2 900	2 750	2 650	2 600	2 150	1 750	35	18	1 800	3 800	330	4H
	13.7	2 850	2 450	2 200	2 200	2 100	1 700	27	18	1 800	3 800	260	4F
	15.9	2 300	2 000	1 800	1 800	1 750	1 400	18.9	18	1 800	3 800	260	4F
	19.2	2 000	1 750	1 650	1 650	1 650	1 500	14.3	18	1 800	3 800	160	4D
<b>R3</b>	25.7	2 300	2 200	2 150	2 100	1 850	1 500	14.3	14	2 000	4 000	160	4D
	31.5	2 300	2 200	2 150	2 100	1 800	1 450	11.8	14	2 000	4 000	100	4B
	37.1	2 900	2 750	2 650	2 600	2 000	1 650	12.4	14	2 000	4 000	100	4B
	42.6	2 300	2 200	2 150	2 100	1 700	1 400	8.8	14	2 000	4 000	100	4B
	46.6	2 850	2 450	2 200	2 200	2 100	1 700	8.7	14	2 000	4 000	100	4B
	50.3	2 750	2 700	2 650	2 600	1 900	1 550	9.2	14	2 000	4 000	100	4B
	54.2	2 300	2 000	1 800	1 800	1 750	1 400	6.2	14	2 000	4 000	100	4B
	63.1	2 850	2 450	2 200	2 200	2 100	1 700	6.8	14	2 000	4 000	100	4B
	73.3	2 300	2 000	1 800	1 800	1 750	1 400	4.8	14	2 000	4 000	50	4A
	78.7	2 850	2 450	2 200	2 200	2 000	1 600	5.6	14	2 000	4 000	50	4A
	91.5	2 300	2 000	1 800	1 800	1 750	1 400	4.0	14	2 000	4 000	50	4A
111	2 000	1 750	1 650	1 650	1 650	1 500	3.0	12	2 000	4 000	50	4A	
<b>R4</b>	129	2 850	2 700	2 650	2 600	2 100	1 700	6.1	12	2 000	4 000	50	4A
	148	2 300	2 200	2 150	2 100	1 850	1 500	4.5	12	2 000	4 000	50	4A
	158	2 900	2 750	2 650	2 600	2 000	1 650	5.3	12	2 000	4 000	50	4A
	185	2 300	2 200	2 150	2 100	1 850	1 500	3.6	12	2 000	4 000	50	4A
	214	2 900	2 750	2 650	2 600	2 000	1 650	4.0	12	2 000	4 000	50	4A
	231	2 300	2 000	1 800	1 800	1 750	1 400	2.9	12	2 000	4 000	50	4A
	255	2 300	2 000	1 800	1 800	1 750	1 400	2.7	12	2 000	4 000	50	4A
	290	2 750	2 700	2 650	2 600	1 900	1 550	2.9	12	2 000	4 000	50	4A
	313	2 300	2 000	1 800	1 800	1 750	1 400	2.3	12	2 000	4 000	50	4A
	336	2 850	2 450	2 200	2 200	2 100	1 700	2.5	12	2 000	4 000	50	4A
	364	2 850	2 450	2 200	2 200	2 100	1 700	2.5	12	2 000	4 000	50	4A
	390	2 300	2 000	1 800	1 800	1 750	1 400	1.9	12	2 000	4 000	50	4A
	452	2 250	2 250	2 250	2 250	1 700	1 400	1.6	12	2 000	4 000	50	4A
	528	2 300	2 000	1 800	1 800	1 750	1 400	1.3	12	2 000	4 000	50	4A
	567	2 850	2 450	2 200	2 200	2 000	1 600	1.6	12	2 000	4 000	50	4A
639	2 000	1 750	1 650	1 650	1 650	1 500	1.1	12	2 000	4 000	50	4A	
797	2 000	1 750	1 650	1 650	1 650	1 500	0.88	12	2 000	4 000	50	4A	

$$M_{2max} = 1.2 \cdot M_{n2} \quad (n_2 \cdot h = 10\,000)$$

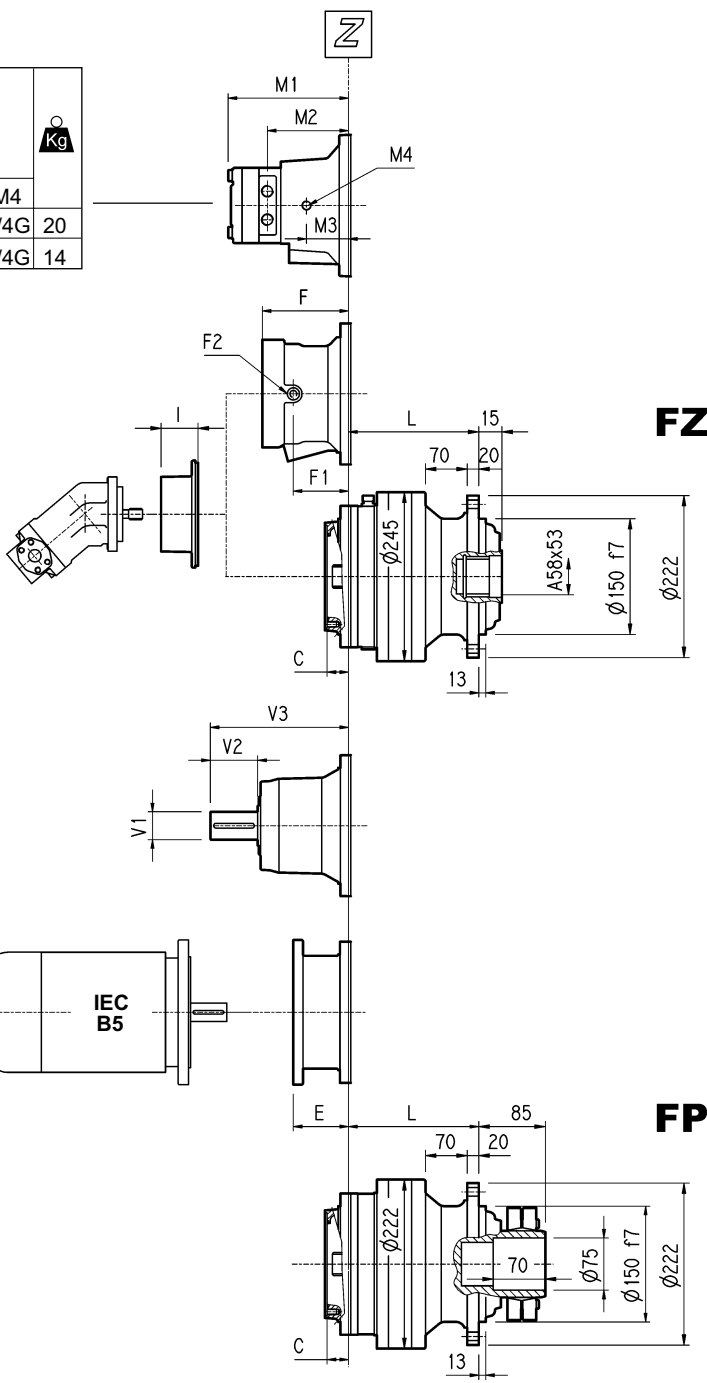
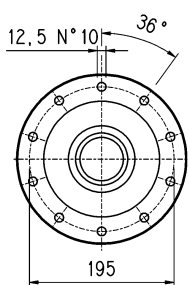
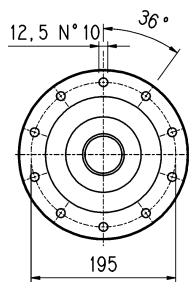
# 303L

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique										Kg
cm <sup>3</sup>		MG							201			
50	80	100	125	160	200	250	M2	M3	M4			
M1	M1	M1	M1	M1	M1	M1	M2	M3	M4			
303L1	-	-	-	199	206	215	135	77	1/4G	20		
303L2	156	162	166	170	177	184	-	113	60	1/4G	14	



# 303L

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique										201	Kg
		MG											
cm <sup>3</sup>	50	80	100	125	160	200	250						
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4			
<b>303L1</b>	-	-	-	-	199	206	215	135	77	1/4G	20		
<b>303L2</b>	156	162	166	170	177	184	-	113	60	1/4G	14		



VERSIONE FP FP VERSION VERSION FP VERSION FP	COPPIA MAX. TRASMISSIBILE MAX. TRANSMISSIBLE TORQUE MAX. ÜBERTR. MOMENT COUPLE MAX. TRANSMISSIBLE	<b>3 500 Nm</b>
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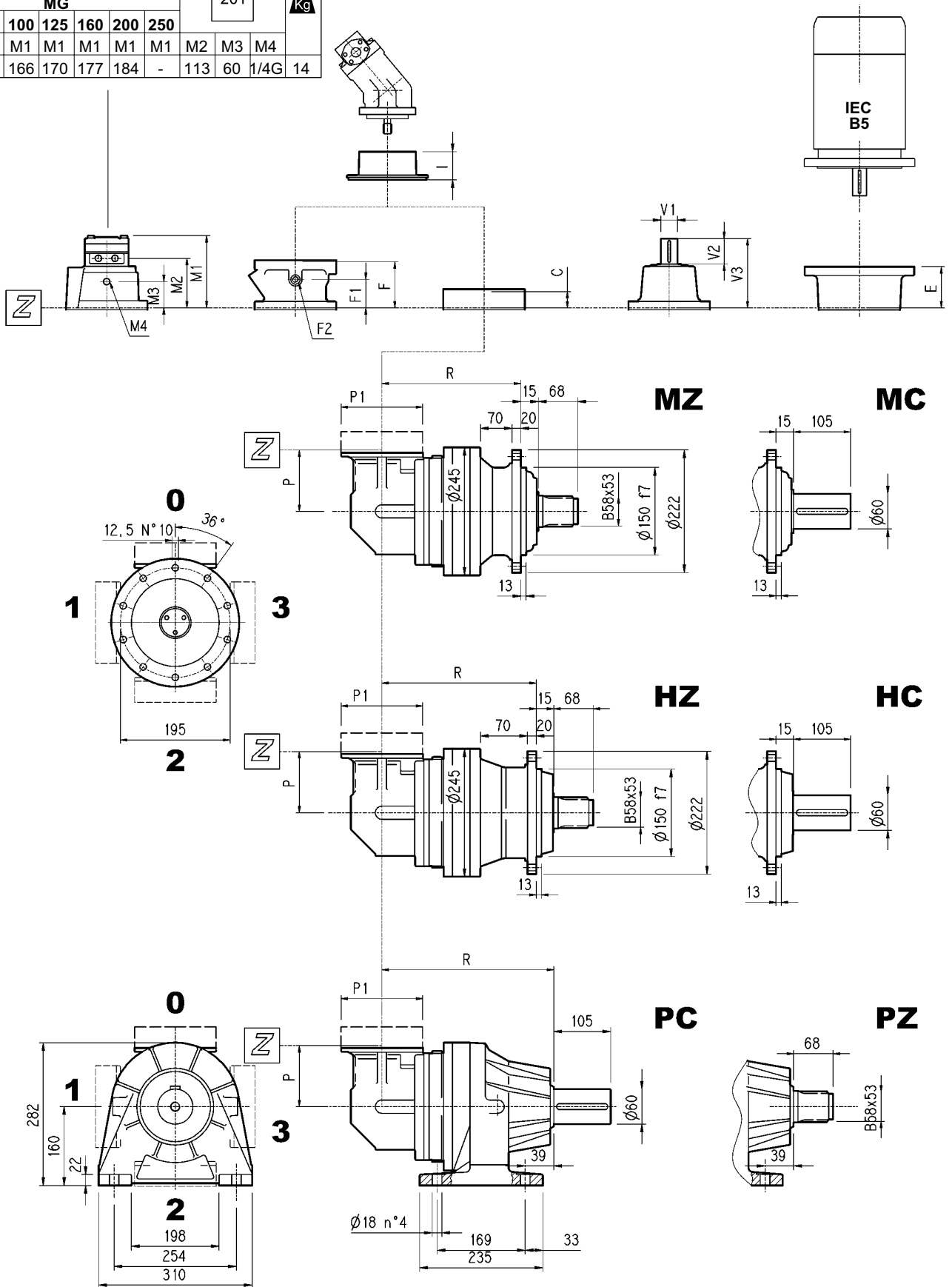
	L				Kg				C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	Kg
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ									
<b>303 L1</b>	125	125	150	165	31	31	35	40	37	A	↔	145	95	1/4 G	5	A	16
<b>303 L2</b>	178	178	203	218	35	35	39	44	37	A		105	65	1/4 G	4	A	10
<b>303 L3</b>	231	231	256	271	39	39	43	48	37	A		105	65	1/4 G	4	A	10
<b>303 L4</b>	284	284	309	324	43	43	47	52	37	A		191	105	65	1/4 G	4	A

	V1	V2	V3	Kg	V1	V2	V3	Kg	E									
									IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	
<b>303 L1</b>	48	82	239	15										114	144	144	174	
<b>303 L2</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144			
<b>303 L3</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144			
<b>303 L4</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144			



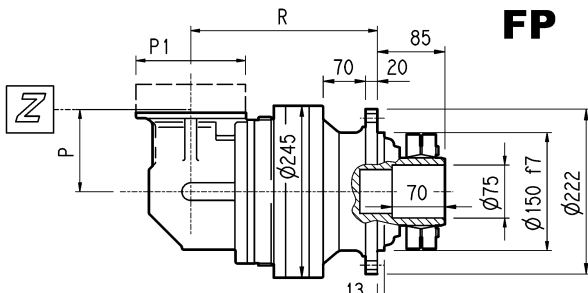
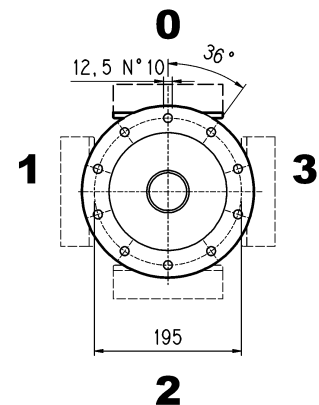
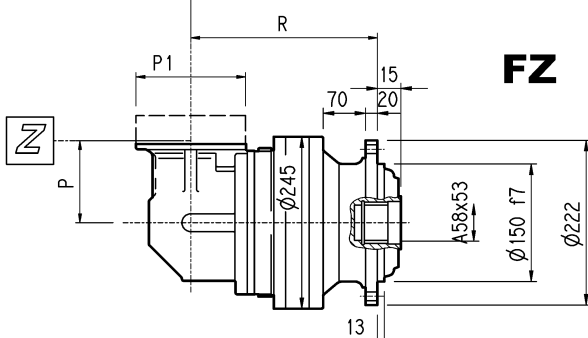
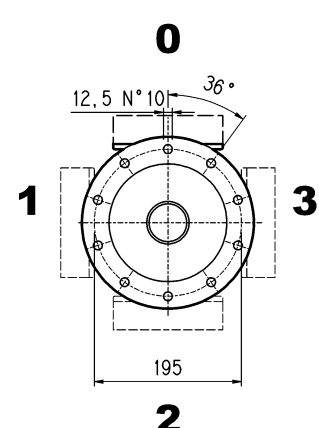
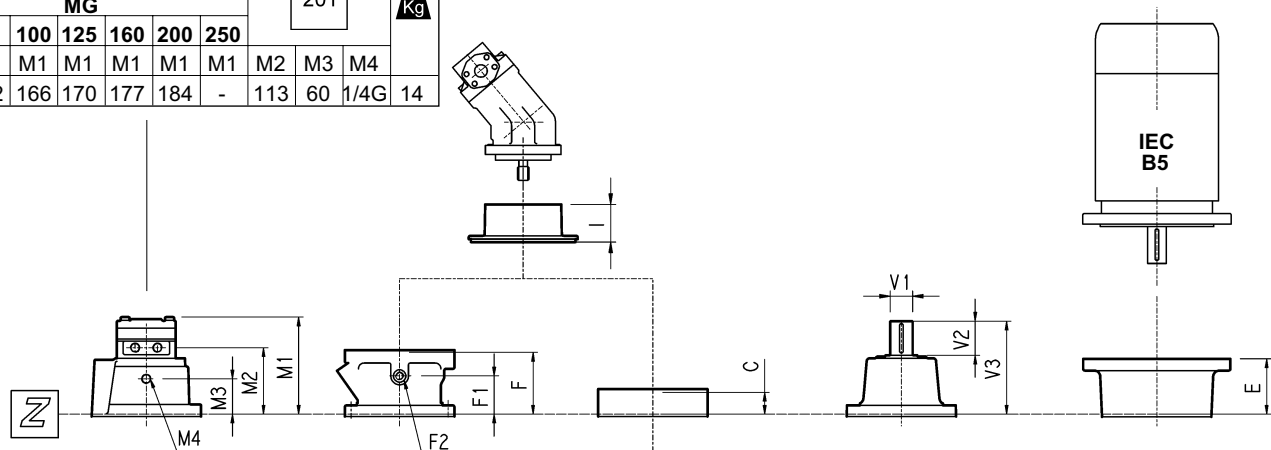
# 303R

Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur Hydraulique										201	
MG											
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4	
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4	
<b>303R2</b>	156	162	166	170	177	184	-	113	60	1/4G	14



# 303R

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique							201			Kg
		MG										
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4		
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4		
<b>303R2</b>	156	162	166	170	177	184	-	113	60	1/4G	14	



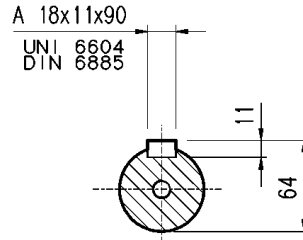
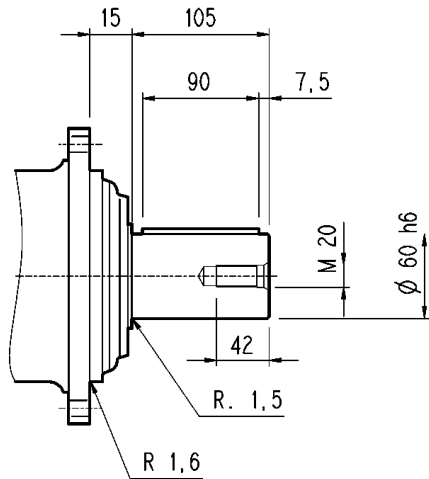
VERSIONE FP FP VERSION VERSION FP VERSION FP	COPPIA MAX. TRASMISSIBILE MAX. TRANSMISSIBLE TORQUE MAX. ÜBERTR. MOMENT COUPLE MAX. TRANSMISSIBLE	<b>3 500 Nm</b>
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	R				P	P1	Kg				C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	Kg
	MZ MC	FZ FP	HZ HC	PC PZ			MZ MC	FZ FP	HZ HC	PC PZ									
<b>303 R2</b>	217	217	242	257	140	186	51	51	55	60	37	A	105	65	1/4 G	4	A	10	
<b>303 R3</b>	270	270	295	310	122	186	49	49	53	58	37	A	105	65	1/4 G	4	A	10	
<b>303 R4</b>	323	323	348	363	122	186	53	53	57	62	37	A	105	65	1/4 G	4	A	10	

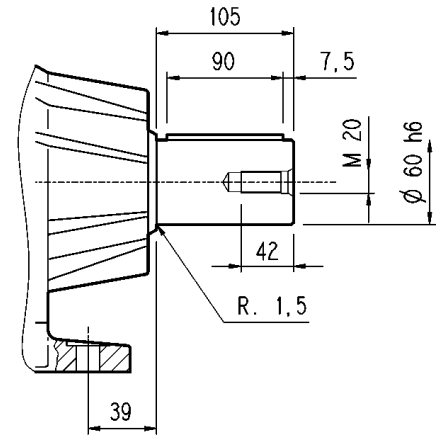
	V1	V2	V3	Kg	V1	V2	V3	Kg	E					
									IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132
<b>303 R2</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>303 R3</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>303 R4</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114

# 303L - 303R

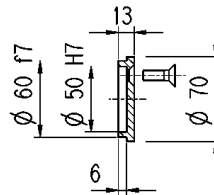
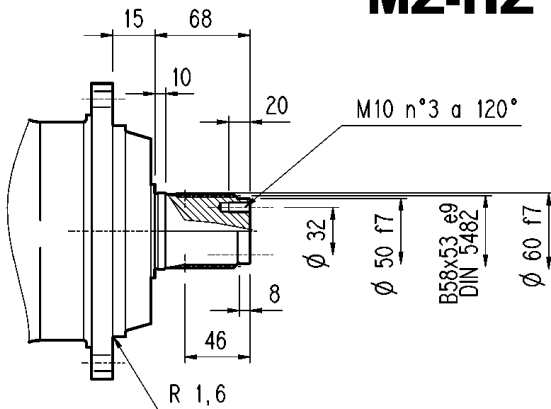
## MC-HC



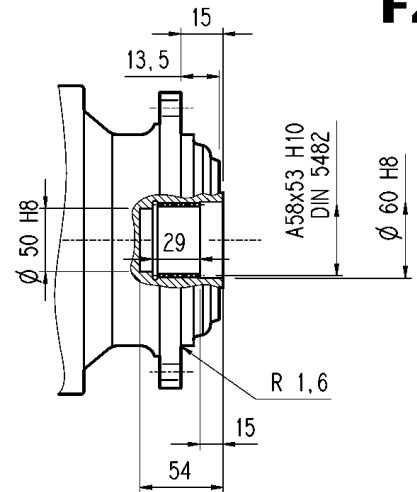
## PC



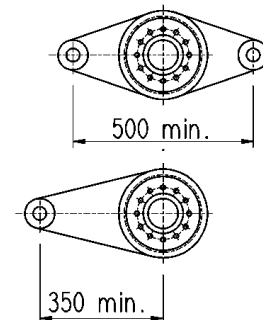
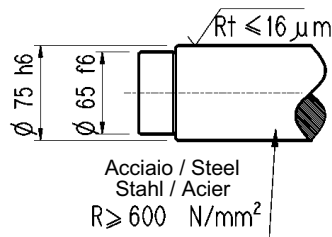
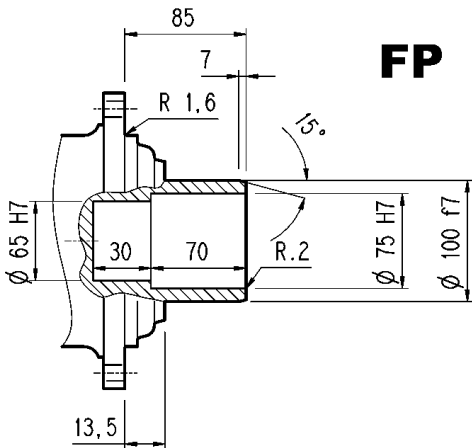
## MZ-HZ



## FZ



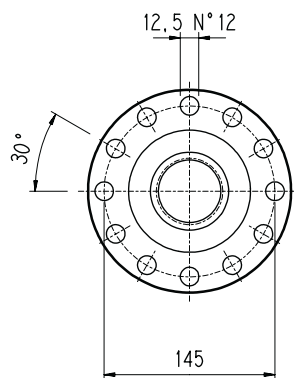
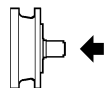
## FP



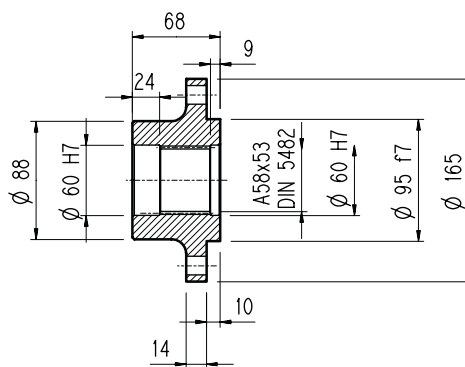
VERSIONE FP	COPPIA MAX. TRASMISSIBILE	<b>3 500 Nm</b>
FP VERSION	MAX. TRASMISSIBILE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

Flangia / Flange  
Flansch / Brides

303L - 303R

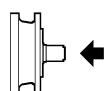


Materiale : Acciaio C40  
Material : Steel C40  
Material : Stahl C40  
Màterial : Acier C40

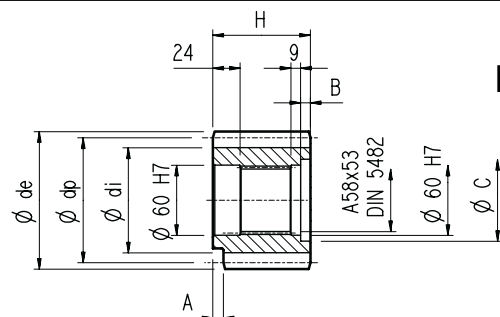


WOA

Pignoni per rotazione / Output pinions  
Ritzel / Pignons



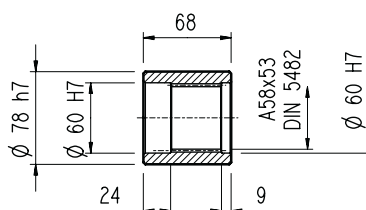
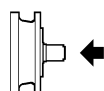
Codice Code	m	z	x	dp	di	de	H	A	B	C	★
PCL1	5	19	0	95	82	104	77	12	9	72	■
PCL2	5	19	0	95	82	104	68	0	0	0	■
PCM	5	20	0	100	87.5	110	68	18	0	0	□
PCP	5	22	0	110	97.5	120	68	18	0	0	□
PDE	6	14	0.500	84	75	99.6	68	0	0	0	■
PDI	6	18	0.500	108	99	123.6	68	0	0	0	■
PDM	6	20	0.833	120	115	140	68	0	0	0	■
PFD	8	13	0.675	104	95	127.6	68	0	0	0	□
PFE1	8	14	0	112	92	126	68	0	0	0	□
PFE2	8	14	0	112	92	126	80	0	12	72	□
PFF	8	15	0	120	100	136	68	0	0	0	■
PFP	8	22	0	176	156	190	77	12	10	71	■
PHG	10	16	0.500	160	145	188	75	0	7	72	■



P...

★	Materiale/Material/Material/Màterial
■	Acciaio 39NiCrMo3 Bonificato Steel 39NiCrMo3 hardened and tempered Vergüteter Stahl 39NiCrMo3 Acier bonifié 39NiCrMo3
□	Acciaio 18NiCrMo5 Cementato e temprato Steel 18NiCrMo5 Case hardened Einsatzstahl 18NiCrMo5 Einsatzgehärtet Acier cementé et tempré 18NiCrMo5

Manicotti lisci / Sleeve couplings  
Naben / Manchons lisses a cannelure interieure

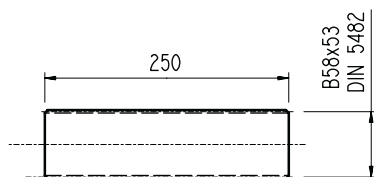
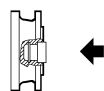


MOA

Materiale : Acciaio 16CrNi4  
Material : Steel 16CrNi4  
Material : Stahl 16CrNi4  
Màterial : Acier 16CrNi4

Barre scanalate / Splined bars  
Vielkeilwellen / Barre cannelée

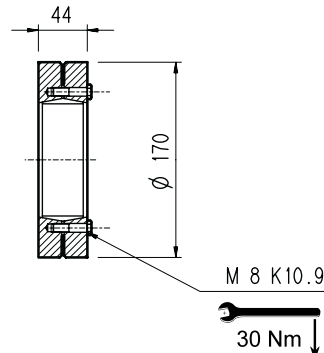
B0A



Mat. acciaio 18NiCrMo5 UNI 5331 da cementare e temprare 50-55 HRC  
Case hardening steel 18NiCrMo5 UNI 5331  
must be case hardened 50-55 HRC  
Material: Einsatzstahl 18NiCrMo5 UNI 5331  
muss einsatzgehärtet werden 50-55 HRC  
Acier 18 NiCrMo5 UNI 5331 doit être cémenté trempé 50-55 HRC

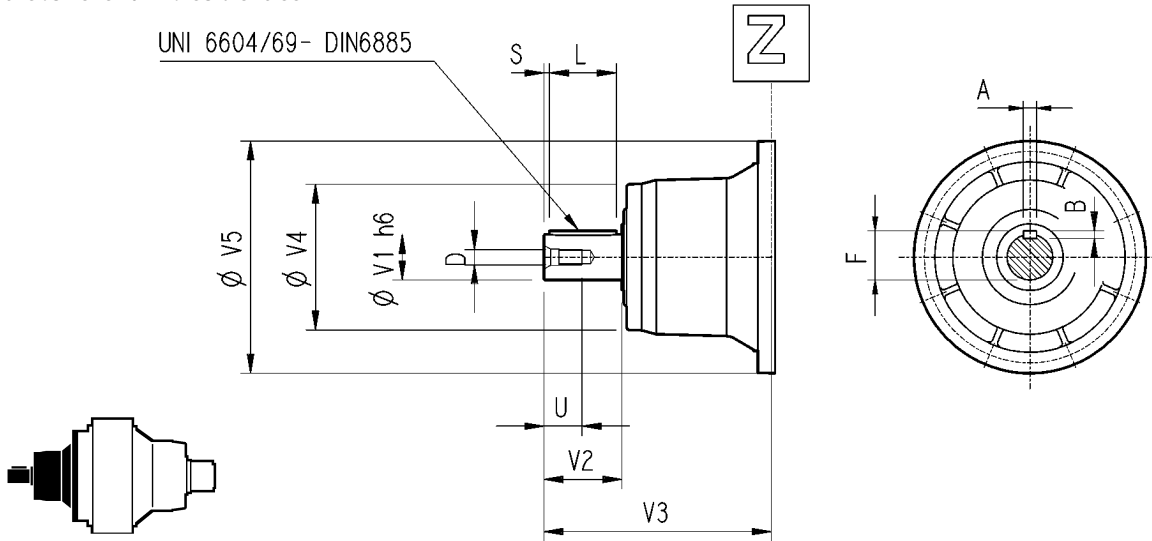
Giunto ad attrito / Shrink disc  
Schrumpfscheibe / Frette de serrage

G0A



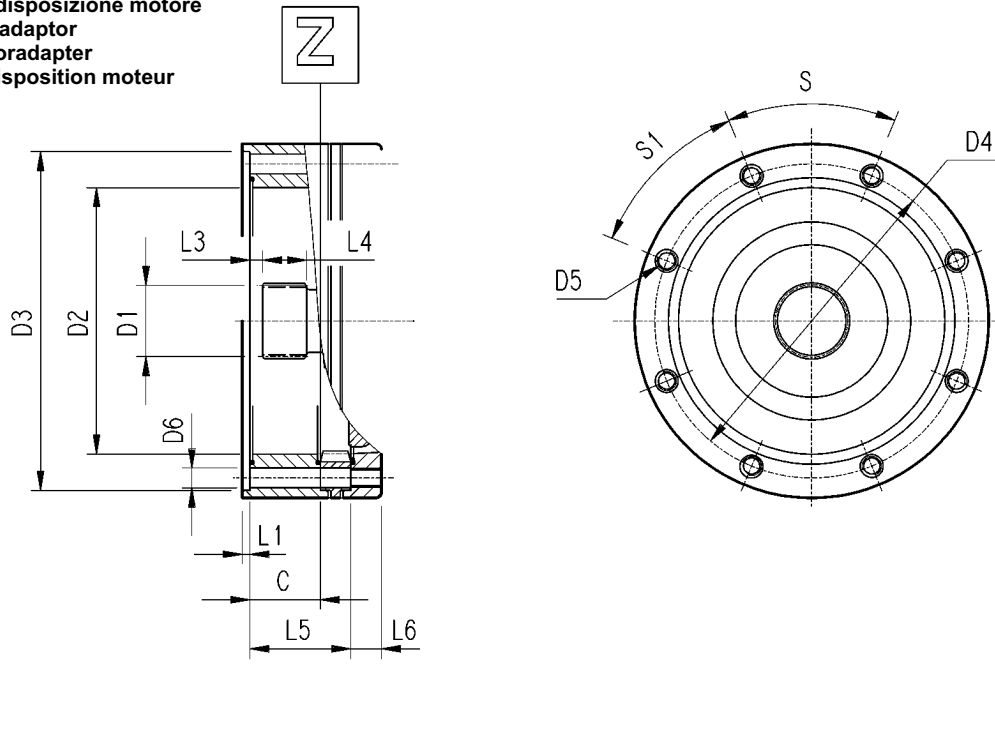
# 303L - 303R

Alberi veloci / Input shaft  
Antriebswellen / Arbres d'entrée



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
<b>303 L1</b>	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
<b>303 L2</b>	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
<b>303 L3</b>	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
<b>303 L4</b>	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
<b>303 R2-R3-R4</b>	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28

Dimensioni d'entrata senza predisposizione motore  
Input dimension without motor adaptor  
Maße für den Antrieb ohne Motoradapter  
Dimensions d'entrée sans prédisposition moteur



	C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Entrata Input Antrieb Entrée
<b>303 L1</b>	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	18	9	18	0	0	45°	45°	A
<b>303 L2</b>	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	53	18	45°	45°	A
<b>303 L3</b>	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	106	18	45°	45°	A
<b>303 L4</b>	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	159	18	45°	45°	A
<b>303 R2-R3-R4</b>	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	37	18	45°	45°	A

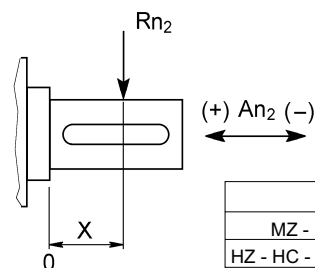
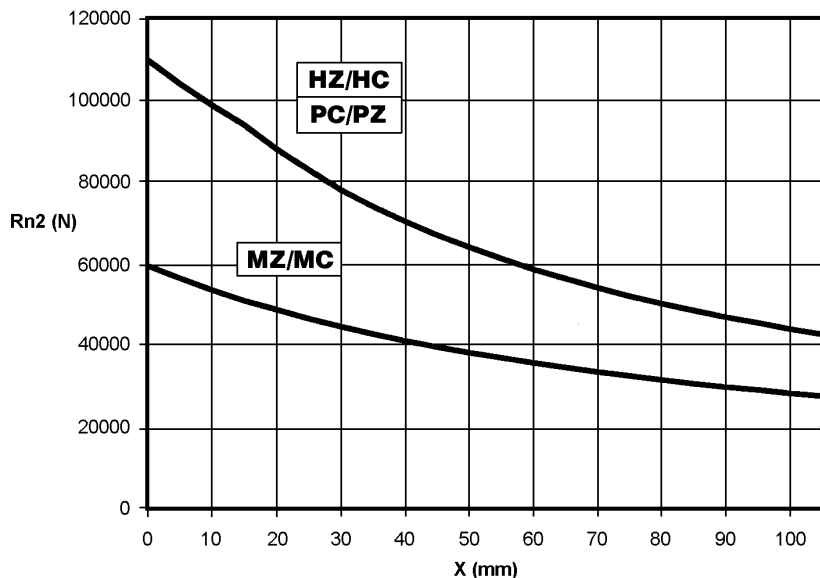
# 303L - 303R

Carichi radiali ed assiali ammissibili sull'albero lento per un valore di  $Fh_2 : n_2 \cdot h = 10\ 000$

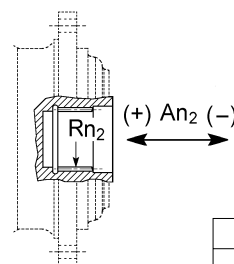
Permissible radial and axial loads on output shaft with  $Fh_2 : n_2 \cdot h = 10\ 000$

An der Ausgangswelle zulässige Radiallasten und Axialkräfte für einen Wert von  $Fh_2 : n_2 \cdot h = 10\ 000$

Charges radiales et axiales admises sur l'arbre lent pour une valeur de  $Fh_2 : n_2 \cdot h = 10\ 000$



	An2 (+)	An2 (-)
MZ - MC	55 000	44 000
HZ - HC - PC - PZ	55 000	44 000



	Rn2	An2 (+/-)
FZ	24 000	25 000

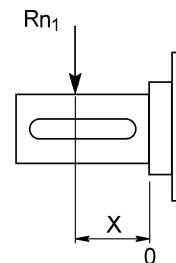
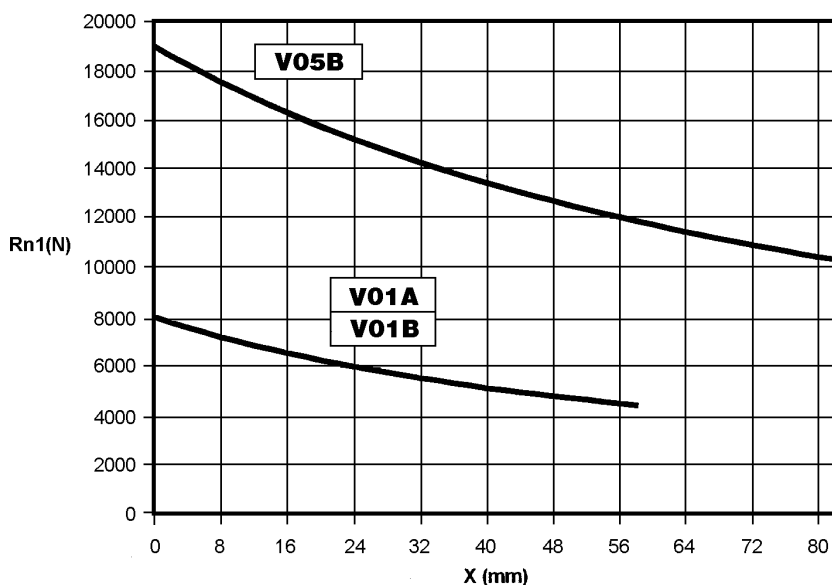
Fattore $fh_2$ correttivo per carichi sugli alberi Load corrective factor $fh_2$ on shafts Korrektionsfaktor $fh_2$ für wellenbelastungen Facteur de correction $fh_2$ pour charges sur les arbres	$Fh_2 = n_2 \cdot h$						
		10 000	25 000	50 000	100 000	500 000	1 000 000
$fh_2$	MZ - MC - FZ	1	0.74	0.58	0.46	0.27	0.21
	HZ - HC - PC - PZ	1	0.76	0.61	0.50	0.31	0.25

Carichi radiali ammissibili sull'albero veloce per un valore di  $Fh_1 : n_1 \cdot h = 250\ 000$

Permissible radial loads on input shaft with  $Fh_1 : n_1 \cdot h = 250\ 000$

An der Antriebswelle zulässige Radiallasten für einen Wert von  $Fh_1 : n_1 \cdot h = 250\ 000$



Charges radiales admises sur l'arbre d'entrée pour une valeur de  $Fh_1 : n_1 \cdot h = 250\ 000$



Fattore $fh_1$ correttivo per carichi sugli alberi Load corrective factor $fh_1$ on shafts Korrektionsfaktor $fh_1$ für wellenbelastungen Facteur de correction $fh_1$ pour charges sur les arbres	$Fh_1 = n_1 \cdot h$						
		250 000	500 000	1 000 000	2 000 000	5 000 000	10 000 000
$fh_1$	1	0.79	0.63	0.50	0.37	0.29	

# 305L



# M<sub>2</sub> = 5000 Nm

	i	M <sub>n2</sub> [Nm]						P <sub>1</sub>	Pt	n <sub>1</sub>	n <sub>1max</sub>	M <sub>b</sub>	
		n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h						
		10 000	25 000	50 000	100 000	500 000	1 000 000						
<b>L1</b>	3.60	4 700	4 450	4 300	4 200	3 750	3 050	60	13	1 800	3 800	1 000	5K
	4.25	5 800	5 500	5 300	5 200	3 700	3 000	60	13	1 800	3 800	1 000	5K
	5.33	5 600	4 900	4 400	4 400	3 600	2 950	60	13	1 800	3 800	1 000	5K
	6.20	4 600	3 950	3 600	3 600	3 550	2 900	60	13	1 800	3 800	800	5G
	7.50	3 800	3 300	3 100	3 100	3 000	2 400	60	13	1 800	3 800	630	5E
<b>L2</b>	12.5	4 700	4 450	4 300	4 200	3 250	2 650	30	9	2 000	4 000	400	4K
	15.3	4 700	4 450	4 300	4 200	3 250	2 650	30	9	2 000	4 000	330	4H
	18.1	5 800	5 500	5 300	5 200	3 650	2 950	30	9	2 000	4 000	400	4K
	20.8	4 700	4 450	4 300	4 200	3 100	2 500	30	9	2 000	4 000	260	4F
	22.7	5 600	4 900	4 400	4 400	3 600	2 950	30	9	2 000	4 000	330	4H
	24.5	5 500	5 400	5 300	5 200	3 450	2 800	30	9	2 000	4 000	330	4H
	26.4	4 600	3 950	3 600	3 600	3 550	2 900	23	9	2 000	4 000	260	4F
	30.8	5 600	4 900	4 400	4 400	3 600	2 950	24	9	2 000	4 000	260	4F
	35.8	4 600	3 950	3 600	3 600	3 550	2 900	17.0	9	2 000	4 000	160	4D
	38.4	5 600	4 900	4 400	4 400	3 600	2 900	19.8	9	2 000	4 000	160	4D
	44.6	4 600	3 950	3 600	3 600	3 550	2 900	14.1	9	2 000	4 000	160	4D
	54.0	3 800	3 300	3 100	3 100	3 000	2 400	10.0	9	2 000	4 000	100	4B
	<b>L3</b>	43.6	4 700	4 450	4 300	4 200	3 250	2 650	17.3	7.5	2 000	4 000	160
53.4		4 700	4 450	4 300	4 200	3 250	2 650	14.3	7.5	2 000	4 000	160	4D
63.1		5 800	5 350	5 300	5 200	3 650	3 000	14.6	7.5	2 000	4 000	160	4D
72.3		4 700	4 450	4 300	4 200	3 250	2 650	10.7	7.5	2 000	4 000	100	4B
77.2		5 800	5 500	5 300	5 200	3 650	2 950	12.5	7.5	2 000	4 000	100	4B
90.2		4 700	4 450	4 300	4 200	3 250	2 650	8.7	7.5	2 000	4 000	100	4B
105		5 800	5 500	5 300	5 200	3 650	2 950	9.4	7.5	2 000	4 000	100	4B
113		4 600	3 950	3 600	3 600	3 550	2 900	6.7	7.5	2 000	4 000	100	4B
124		4 600	3 950	3 600	3 600	3 550	2 900	6.2	7.5	2 000	4 000	50	4A
141		5 500	5 350	5 300	5 200	3 450	2 800	6.6	7.5	2 000	4 000	100	4B
152		4 600	3 950	3 600	3 600	3 550	2 900	5.2	7.5	2 000	4 000	50	4A
164		5 600	4 900	4 400	4 400	3 600	2 950	6.0	7.5	2 000	4 000	50	4A
178		5 600	4 900	4 400	4 400	3 600	2 950	5.6	7.5	2 000	4 000	50	4A
190		4 600	3 950	3 600	3 600	3 550	2 900	4.3	7.5	2 000	4 000	50	4A
220		4 750	4 750	4 750	4 750	3 050	2 500	3.7	7.5	2 000	4 000	50	4A
258		4 600	3 950	3 600	3 600	3 550	2 900	3.4	7.5	2 000	4 000	50	4A
276		5 600	4 900	4 400	4 400	3 600	2 900	3.7	7.5	2 000	4 000	50	4A
312	3 800	3 300	3 100	3 100	3 000	2 400	2.4	7.5	2 000	4 000	50	4A	
389	3 800	3 300	3 100	3 100	3 000	2 400	2.0	7.5	2 000	4 000	50	4A	
<b>L4</b>	413	5 600	4 900	4 400	4 400	3 600	2 900	4.0	6	2 000	4 000	50	4A
	446	5 800	5 500	5 300	5 200	3 650	2 950	4.0	6	2 000	4 000	50	4A
	492	5 500	5 350	5 300	5 200	3 450	2 800	3.2	6	2 000	4 000	50	4A
	556	5 800	5 500	5 300	5 200	3 650	2 950	3.2	6	2 000	4 000	50	4A
	649	4 700	4 450	4 300	4 200	3 250	2 650	2.2	6	2 000	4 000	50	4A
	718	4 600	3 950	3 600	3 600	3 550	2 900	2.2	6	2 000	4 000	50	4A
	816	5 500	5 350	5 300	5 200	3 450	2 800	2.2	6	2 000	4 000	50	4A
	896	4 600	3 950	3 600	3 600	3 550	2 900	1.9	6	2 000	4 000	50	4A
	1 018	5 500	5 350	5 300	5 200	3 450	2 800	1.7	6	2 000	4 000	50	4A
	1 098	4 600	3 950	3 600	3 600	3 550	2 900	1.6	6	2 000	4 000	50	4A
	1 278	5 600	4 900	4 400	4 400	3 600	2 950	1.4	6	2 000	4 000	50	4A
	1 370	4 600	3 950	3 600	3 600	3 550	2 900	1.3	6	2 000	4 000	50	4A
	1 586	4 750	4 750	4 750	4 750	3 050	2 500	0.88	6	2 000	4 000	50	4A
	1 854	4 600	3 950	3 600	3 600	3 550	2 900	0.96	6	2 000	4 000	50	4A
	1 991	5 600	4 900	4 400	4 400	3 600	2 900	0.88	6	2 000	4 000	50	4A
2 243	3 800	3 300	3 100	3 100	3 000	2 400	0.71	6	2 000	4 000	50	4A	
2 799	3 800	3 300	3 100	3 100	3 000	2 400	0.59	6	2 000	4 000	50	4A	

$$M_{2max} = 1.2 \cdot M_{n2} \quad (n_2 \cdot h = 10\,000)$$

# M<sub>2</sub> = 5000 Nm

# 305R

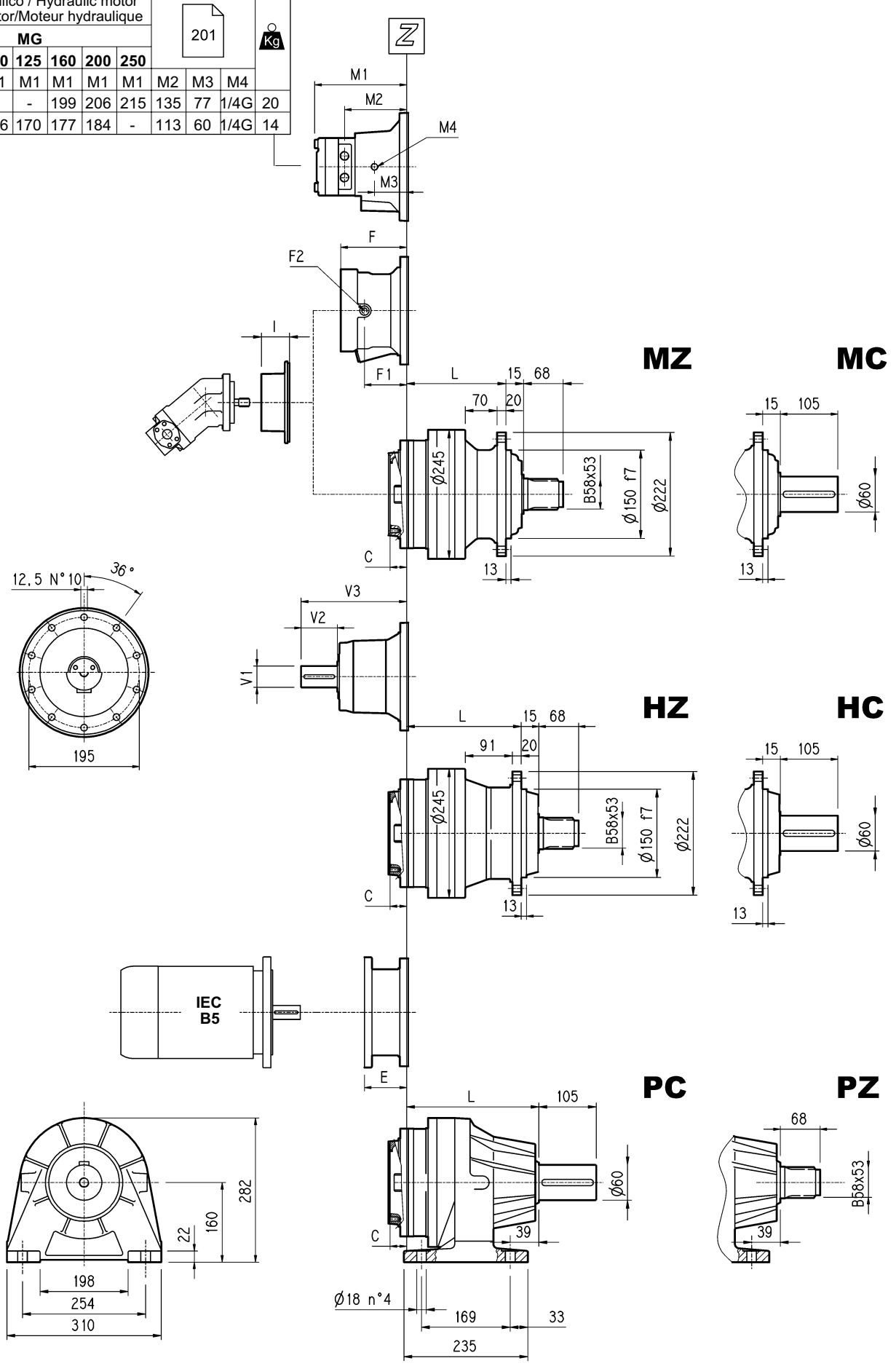
	i	M <sub>n2</sub> [Nm]						P <sub>1</sub> [kW]	P <sub>t</sub> [kW]	n <sub>1</sub> [min <sup>-1</sup> ]	n <sub>1max</sub> [min <sup>-1</sup> ]	M <sub>b</sub> [Nm]	
		n <sub>2</sub> ·h 10 000	n <sub>2</sub> ·h 25 000	n <sub>2</sub> ·h 50 000	n <sub>2</sub> ·h 100 000	n <sub>2</sub> ·h 500 000	n <sub>2</sub> ·h 1 000 000						
<b>R2</b>	9.23	4 650	4 050	3 600	3 200	2 000	1 600	35	18	1 800	3 800	440	4L
	10.9	5 300	4 650	4 150	3 600	2 200	1 800	35	18	1 800	3 800	440	4L
	13.7	5 600	4 900	4 400	4 200	2 600	2 100	35	18	1 800	3 800	440	4L
	15.9	4 600	3 950	3 600	3 600	2 900	2 350	35	18	1 800	3 800	330	4H
	19.2	3 800	3 300	3 100	3 100	3 000	2 400	27	18	1 800	3 800	260	4F
<b>R3</b>	25.7	4 150	4 150	4 150	4 150	2 600	2 100	15.0	14	2 000	4 000	260	4F
	31.5	4 700	4 450	4 300	4 200	3 000	2 450	15.0	14	2 000	4 000	260	4F
	37.1	5 800	5 500	5 300	5 200	3 400	2 750	15.0	14	2 000	4 000	260	4F
	42.6	4 700	4 450	4 300	4 200	3 100	2 500	15.0	14	2 000	4 000	160	4D
	46.6	5 600	4 900	4 400	4 400	3 600	2 950	15.0	14	2 000	4 000	160	4D
	50.3	5 500	5 350	5 300	5 200	3 450	2 800	15.0	14	2 000	4 000	160	4D
	54.2	4 600	3 950	3 600	3 600	3 550	2 900	12.4	14	2 000	4 000	100	4B
	63.1	5 600	4 900	4 400	4 400	3 600	2 950	13.4	14	2 000	4 000	100	4B
	73.3	4 600	3 950	3 600	3 600	3 550	2 900	9.6	14	2 000	4 000	100	4B
	78.7	5 600	4 900	4 400	4 400	3 600	2 900	11.1	14	2 000	4 000	100	4B
	91.5	4 600	3 950	3 600	3 600	3 550	2 900	8.0	14	2 000	4 000	100	4B
	111	3 800	3 300	3 100	3 100	3 000	2 400	5.6	14	2 000	4 000	50	4A
<b>R4</b>	129	5 800	5 400	5 300	5 200	3 650	3 000	12.3	12	2 000	4 000	50	4A
	148	4 700	4 450	4 300	4 200	3 250	2 650	9.1	12	2 000	4 000	50	4A
	158	5 800	5 500	5 300	5 200	3 650	2 950	10.6	12	2 000	4 000	50	4A
	185	4 700	4 450	4 300	4 200	3 250	2 650	7.4	12	2 000	4 000	50	4A
	214	5 800	5 500	5 300	5 200	3 650	2 950	7.9	12	2 000	4 000	50	4A
	231	4 600	3 950	3 600	3 600	3 550	2 900	5.8	12	2 000	4 000	50	4A
	255	4 600	3 950	3 600	3 600	3 550	2 900	5.3	12	2 000	4 000	50	4A
	290	5 500	5 400	5 300	5 200	3 450	2 800	5.7	12	2 000	4 000	50	4A
	313	4 600	3 950	3 600	3 600	3 550	2 900	4.5	12	2 000	4 000	50	4A
	336	5 600	4 900	4 400	4 400	3 600	2 900	4.9	12	2 000	4 000	50	4A
	364	5 600	4 900	4 400	4 400	3 600	2 950	4.8	12	2 000	4 000	50	4A
	390	4 600	3 950	3 600	3 600	3 550	2 900	3.7	12	2 000	4 000	50	4A
	452	4 750	4 750	4 750	4 750	3 050	2 500	3.1	12	2 000	4 000	50	4A
	528	4 600	3 950	3 600	3 600	3 550	2 900	2.5	12	2 000	4 000	50	4A
	567	5 600	4 900	4 400	4 400	3 600	2 900	3.1	12	2 000	4 000	50	4A
	639	3 800	3 300	3 100	3 100	3 000	2 400	2.0	12	2 000	4 000	50	4A
797	3 800	3 300	3 100	3 100	3 000	2 400	1.7	12	2 000	4 000	50	4A	

$$M_{2max} = 1.2 \cdot M_{n2} \quad (n_2 \cdot h = 10\,000)$$



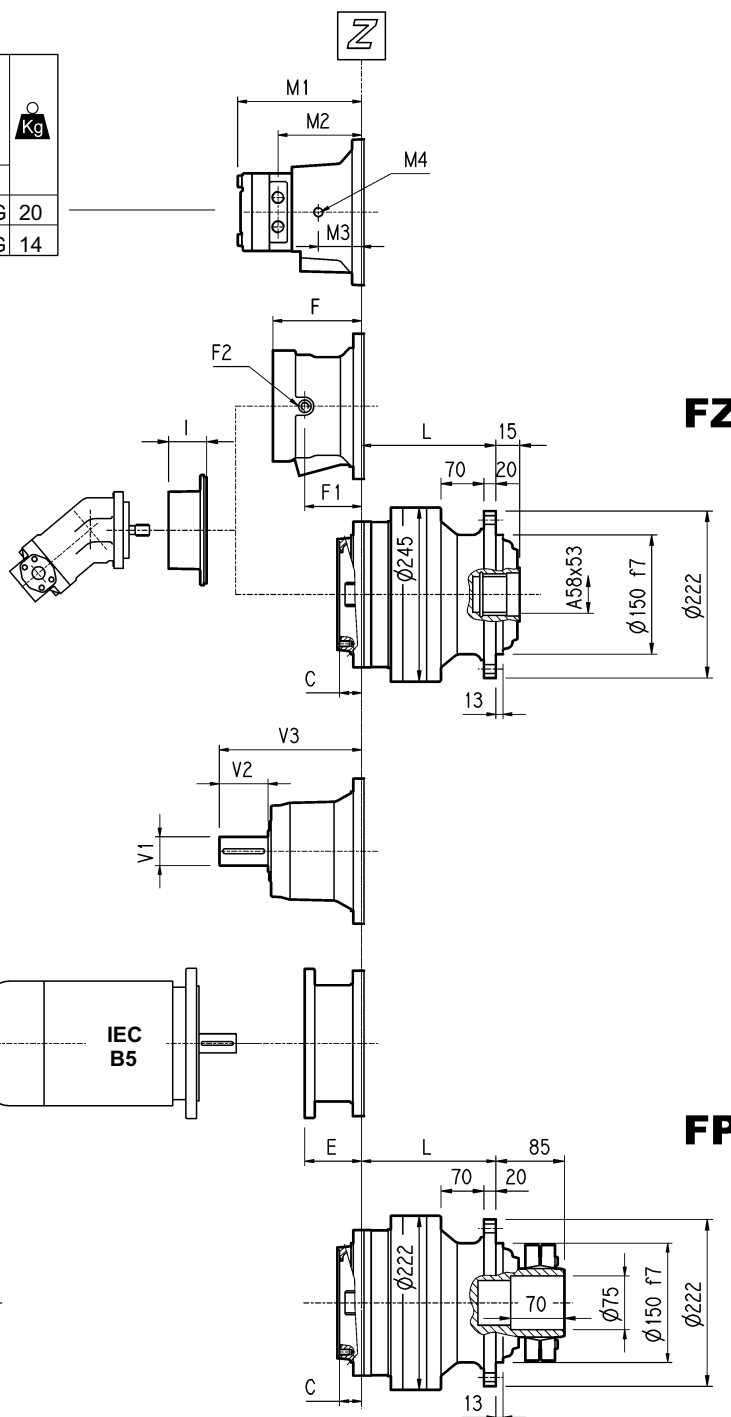
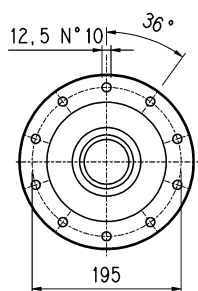
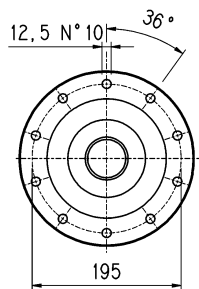
# 305L

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique										Kg
cm <sup>3</sup>		MG							201			
50	80	100	125	160	200	250	M2	M3	M4			
M1	M1	M1	M1	M1	M1	M1	M2	M3	M4			
305L1	-	-	-	199	206	215	135	77	1/4G	20		
305L2	156	162	166	170	177	184	-	113	60	1/4G	14	



# 305L

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique							201			Kg
		MG										
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4		
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4		
305L1	-	-	-	-	199	206	215	135	77	1/4G	20	
305L2	156	162	166	170	177	184	-	113	60	1/4G	14	



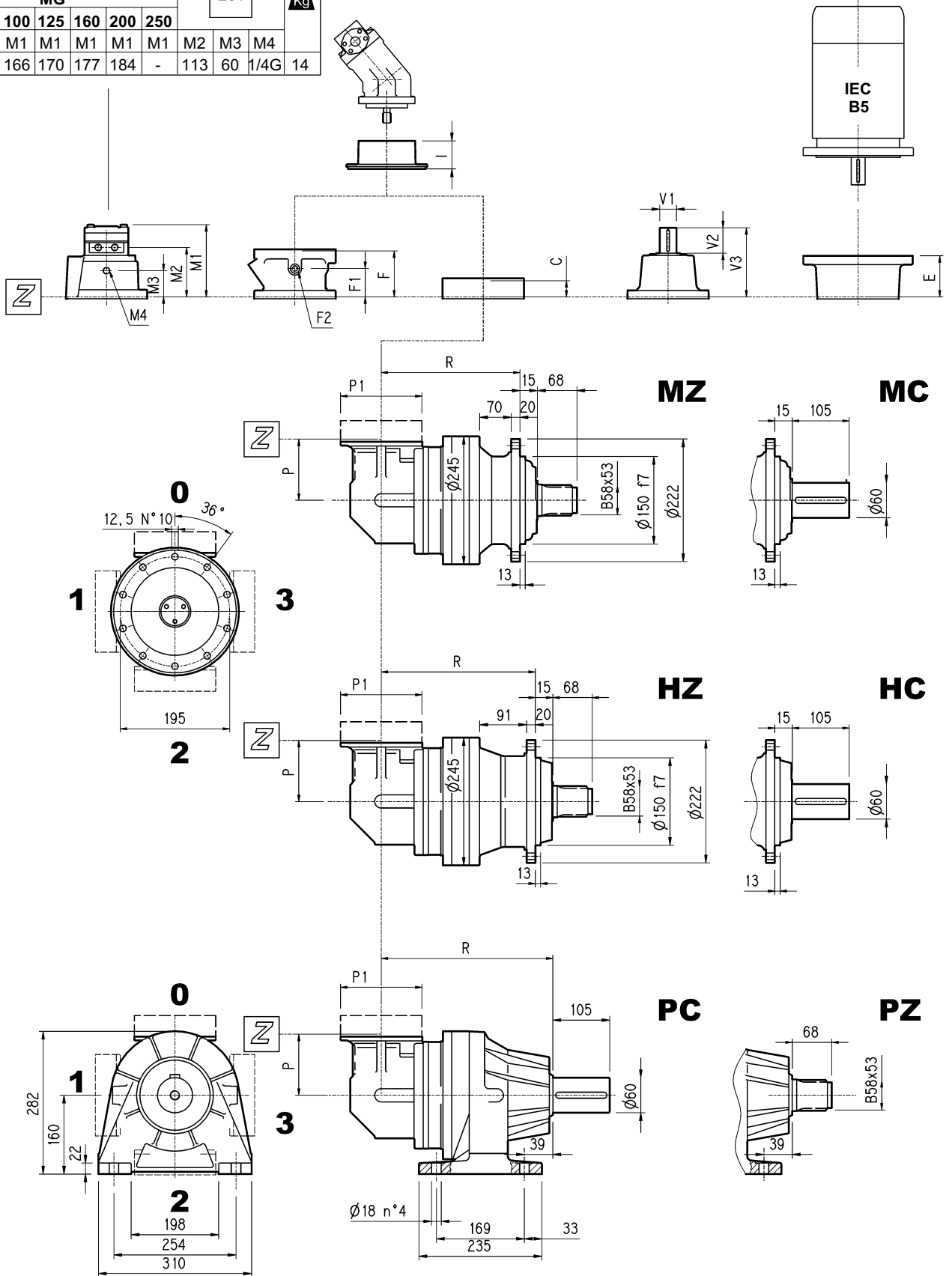
VERSIONE FP	COPPIA MAX. TRASMISSIBILE	7 000 Nm
FP VERSION	MAX. TRANSMISSIBLE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

	L				Kg				C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	Kg
	MZ	MC	FZ	FP	HZ	HC	PC	PZ									
305 L1	143	143	168	183	36	36	40	45	37	A	191	145	95	1/4 G	5	A	16
305 L2	208	208	233	248	43	43	47	52	37	A		105	65	1/4 G	4	A	10
305 L3	261	261	286	301	47	47	51	56	37	A		105	65	1/4 G	4	A	10
305 L4	314	314	339	354	51	51	55	60	37	A		105	65	1/4 G	4	A	10

	V1	V2	V3	Kg	V1	V2	V3	Kg	E								
									IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200
305 L1	48	82	239	15	38	58	158	7	65	84	84	94	94	114	144	144	174
305 L2	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144		
305 L3	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144		
305 L4	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144		

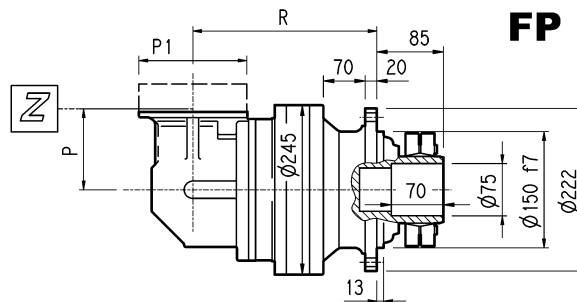
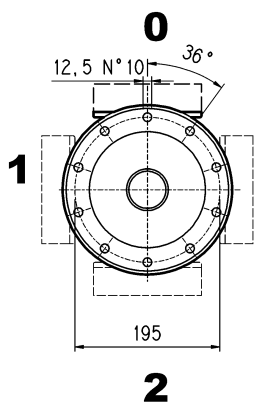
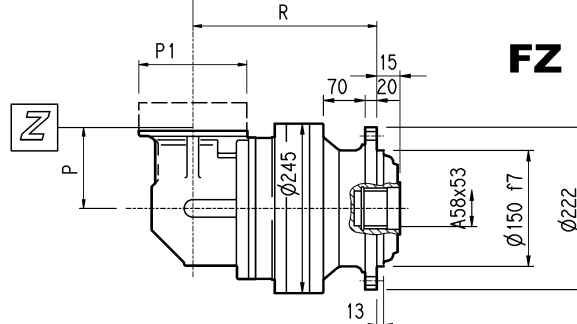
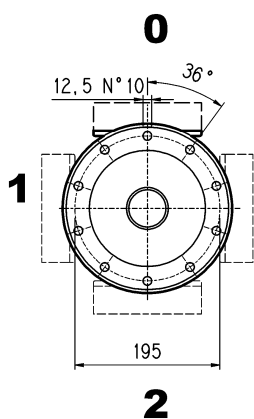
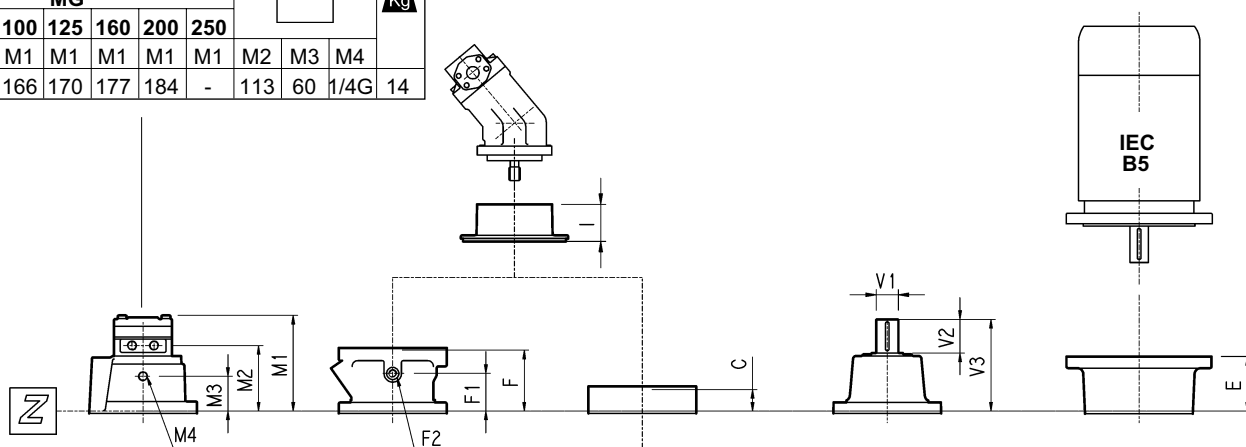
# 305R

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique						201			Kg
		<b>MG</b>									
cm <sup>3</sup>	50	80	100	125	160	200	250	M1	M2	M3	M4
<b>305R2</b>	156	162	166	170	177	184	-	113	60	1/4G	14



# 305R

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique						201			Kg
		MG									
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4	
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4	
<b>305R2</b>	156	162	166	170	177	184	-	113	60	1/4G	14



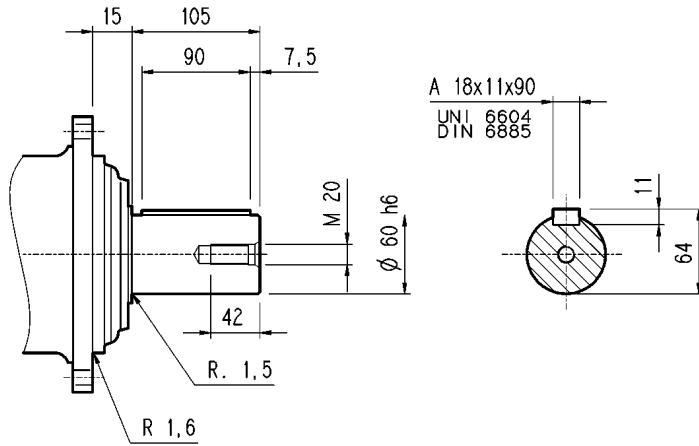
VERSIONE FP	COPPIA MAX. TRASMISSIBILE	7 000 Nm
FP VERSION	MAX. TRASMISSIBILE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRASMISSIBILE	

	R				P	P1	Kg				C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	Kg
	MZ MC	FZ FP	HZ HC	PC PZ			MZ MC	FZ FP	HZ HC	PC PZ									
<b>305 R2</b>	235	235	260	275	140	186	56	56	60	65	37	A	105	65	1/4 G	4	A	10	
<b>305 R3</b>	300	300	325	340	122	186	57	57	61	66	37	A	105	65	1/4 G	4	A	10	
<b>305 R4</b>	353	353	378	393	122	186	61	61	65	70	37	A	191	105	1/4 G	4	A	10	

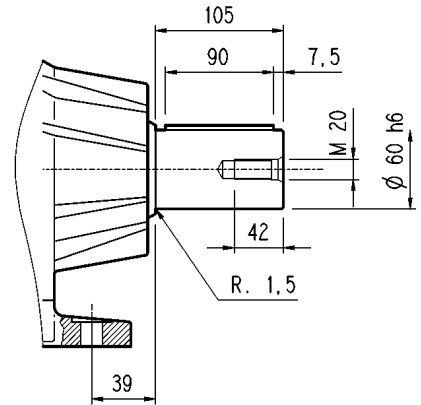
	V1	V2	V3	Kg	V1	V2	V3	Kg	E					
					IEC 71	IEC 80	IEC 90		IEC 100	IEC 112	IEC 132			
<b>305 R2</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>305 R3</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>305 R4</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114

# 305L - 305R

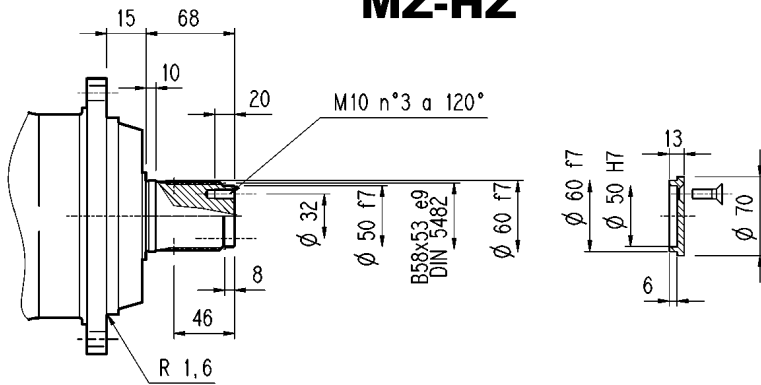
## MC-HC



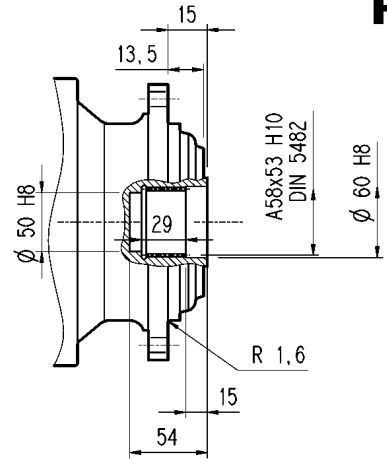
## PC



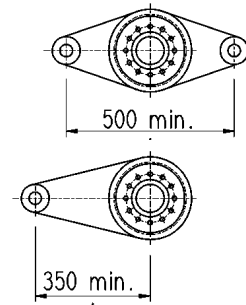
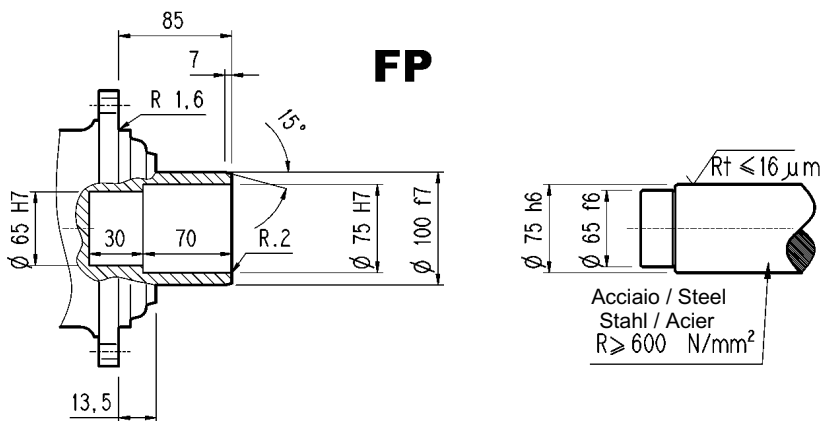
## MZ-HZ



## FZ



## FP

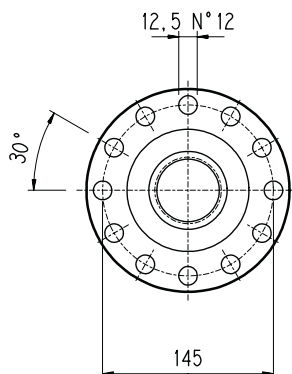
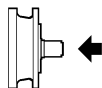


VERSIONE FP	COPPIA MAX. TRASMISSIBILE	<b>7 000 Nm</b>
FP VERSION	MAX. TRANSMISSIBLE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

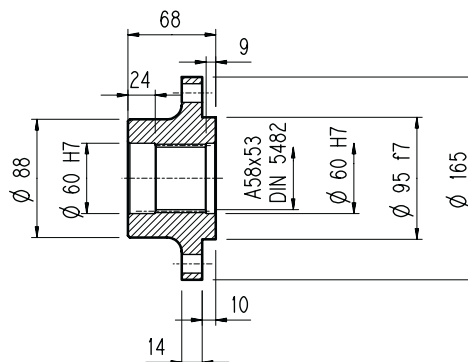
Flangia / Flange  
Flansch / Brides

305L - 305R

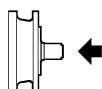
WOA



Materiale : Acciaio C40  
Material : Steel C40  
Material : Stahl C40  
Màterial : Acier C40

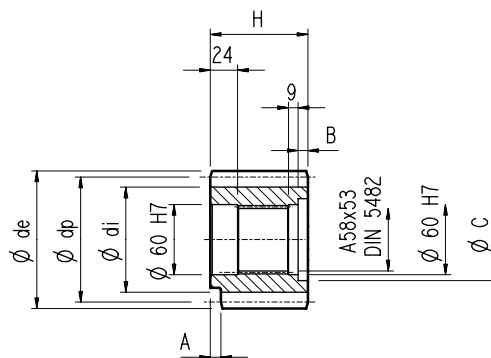


Pignoni per rotazione / Output pinions  
Ritzel / Pignons



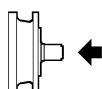
P...

Codice Code	m	z	x	dp	di	de	H	A	B	C	★
PCL1	5	19	0	95	82	104	77	12	9	72	■
PCL2	5	19	0	95	82	104	68	0	0	0	■
PCM	5	20	0	100	87.5	110	68	18	0	0	□
PCP	5	22	0	110	97.5	120	68	18	0	0	□
PDE	6	14	0.500	84	75	99.6	68	0	0	0	■
PDI	6	18	0.500	108	99	123.6	68	0	0	0	■
PDM	6	20	0.833	120	115	140	68	0	0	0	■
PFD	8	13	0.675	104	95	127.6	68	0	0	0	□
PFE1	8	14	0	112	92	126	68	0	0	0	□
PFE2	8	14	0	112	92	126	80	0	12	72	□
PFF	8	15	0	120	100	136	68	0	0	0	■
PFP	8	22	0	176	156	190	77	12	10	71	■
PHG	10	16	0.500	160	145	188	75	0	7	72	■



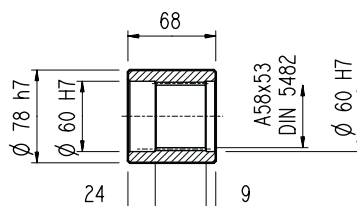
★	Materiale/Material/Material/Màterial
■	Acciaio 39NiCrMo3 Bonificato Steel 39NiCrMo3 hardened and tempered Vergüteter Stahl 39NiCrMo3 Acier bonifié 39NiCrMo3
□	Acciaio 18NiCrMo5 Cementato e temprato Steel 18NiCrMo5 Case hardened Einsatzstahl 18NiCrMo5 Einsatzgehärtet Acier cémenté et tempré 18NiCrMo5

Manicotti lisci / Sleeve couplings  
Naben / Manchons lisses a cannelure interieure



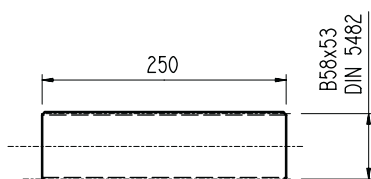
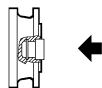
MOA

Materiale : Acciaio 16CrNi4  
Material : Steel 16CrNi4  
Material : Stahl 16CrNi4  
Màterial : Acier 16CrNi4



Barre scanalate / Splined bars  
Vielkeilwellen / Barre cannelée

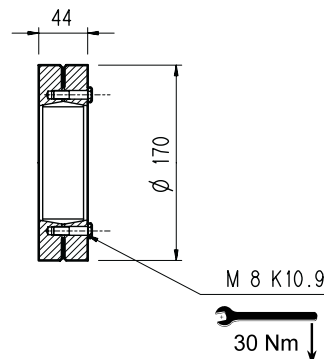
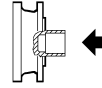
B0A



Mat. acciaio 18NiCrMo5 UNI 5331 da cementare e temprare 50-55 HRC  
Case hardening steel 18NiCrMo5 UNI 5331  
must be case hardened 50-55 HRC  
Material: Einsatzstahl 18NiCrMo5 UNI 5331  
muss einatzgehärtet werden 50-55 HRC  
Acier 18 NiCrMo5 UNI 5331 doit être cémenté trempé 50-55 HRC

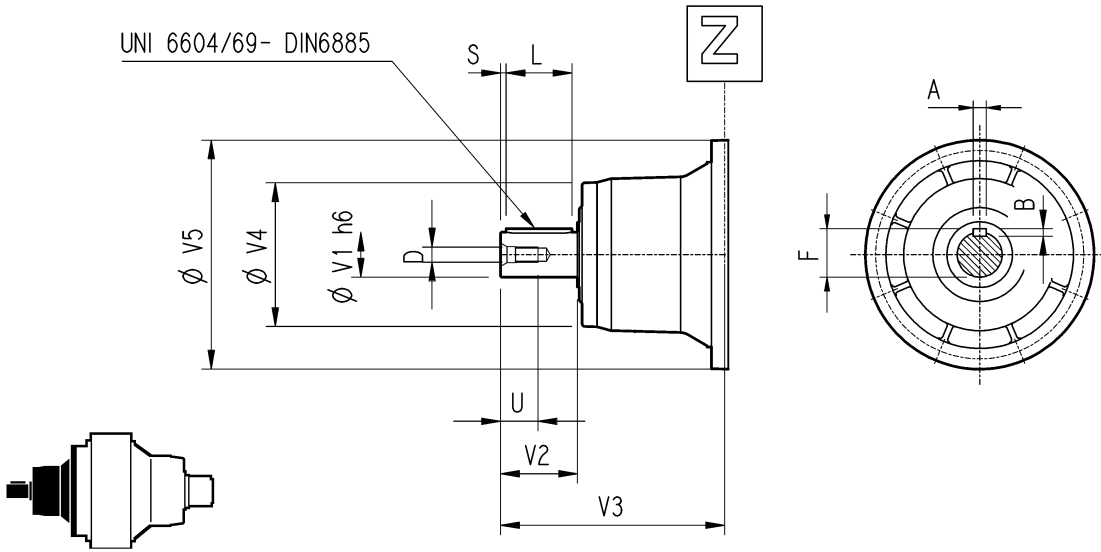
Giunto ad attrito / Shrink disc  
Schrumpfscheibe / Frette de serrage

G0A



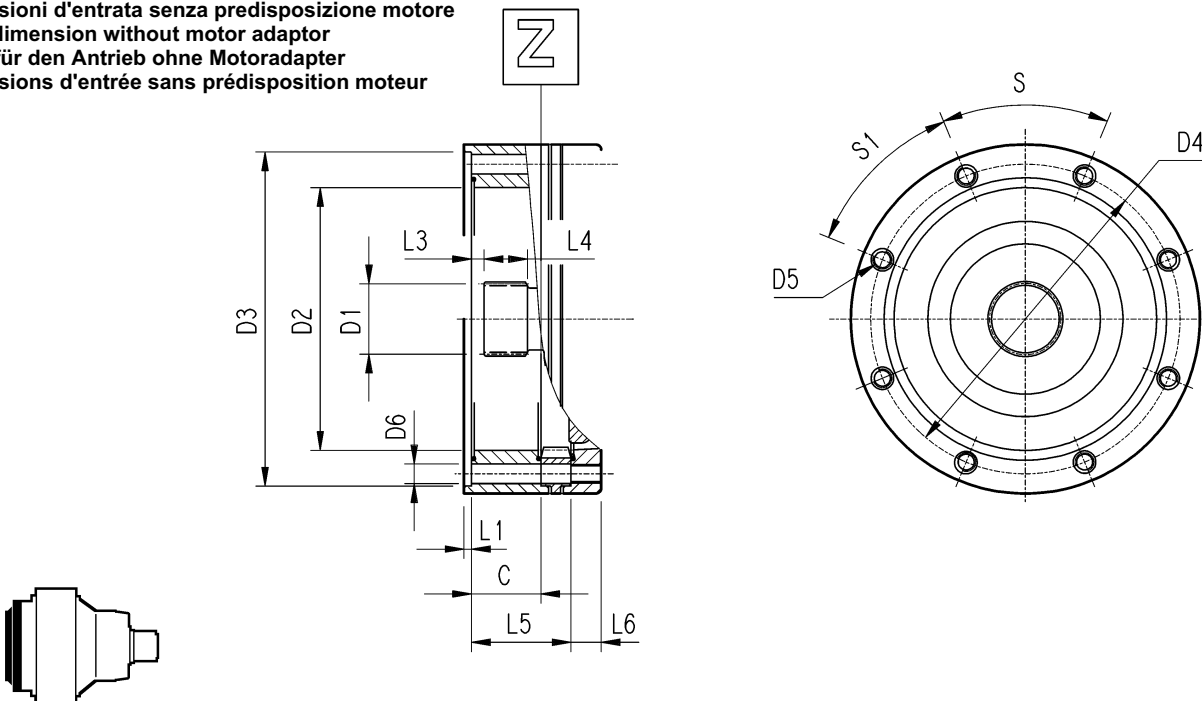
# 305L - 305R

Alberi veloci / Input shaft  
Antriebswellen / Arbres d'entrée



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
305 L1	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
305 L2	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
305 L3	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
305 L4	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
305 R2-R3-R4	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28

Dimensioni d'entrata senza predisposizione motore  
Input dimension without motor adaptor  
Maße für den Antrieb ohne Motoradapter  
Dimensions d'entrée sans prédisposition moteur



	C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Entrata Input Antrieb Entrée
305 L1	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	18	9	18	0	0	45°	45°	A
305 L2	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	65	18	45°	45°	A
305 L3	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	118	18	45°	45°	A
305 L4	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	171	18	45°	45°	A
305 R2-R3-R4	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	/	9	18	37	18	45°	45°	A

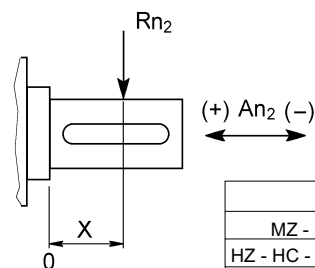
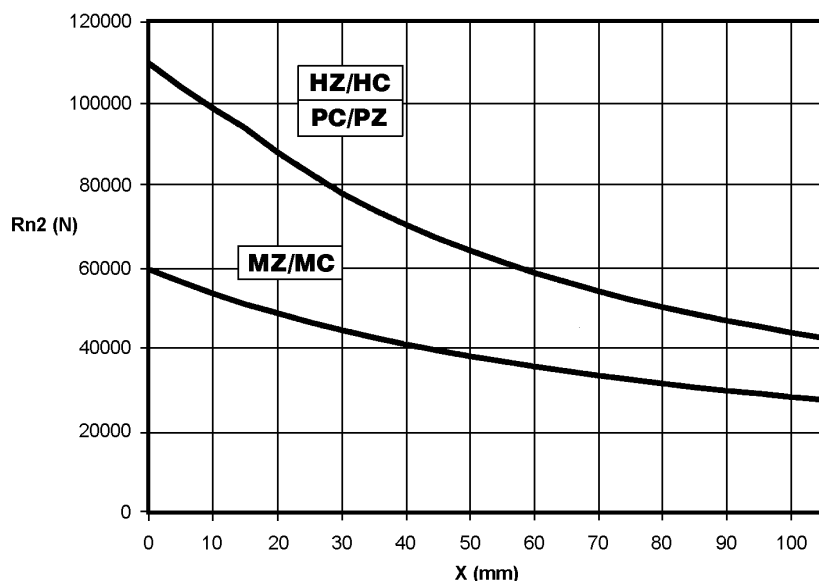
# 305L - 305R

Carichi radiali ed assiali ammissibili sull'albero lento per un valore di  $Fh_2 : n_2 \cdot h = 10\ 000$

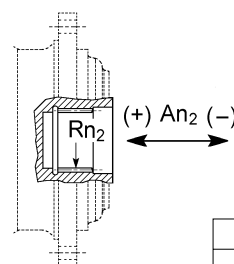
Permissible radial and axial loads on output shaft with  $Fh_2 : n_2 \cdot h = 10\ 000$

An der Ausgangswelle zulässige Radiallasten und Axialkräfte für einen Wert von  $Fh_2 : n_2 \cdot h = 10\ 000$

Charges radiales et axiales admissibles sur l'arbre lent pour une valeur de  $Fh_2 : n_2 \cdot h = 10\ 000$



	An2 (+)	An2 (-)
MZ - MC	55 000	44 000
HZ - HC - PC - PZ	55 000	44 000



	Rn2	An2 (+/-)
FZ	24 000	25 000

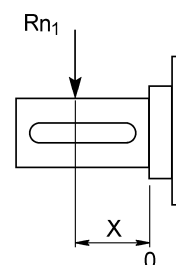
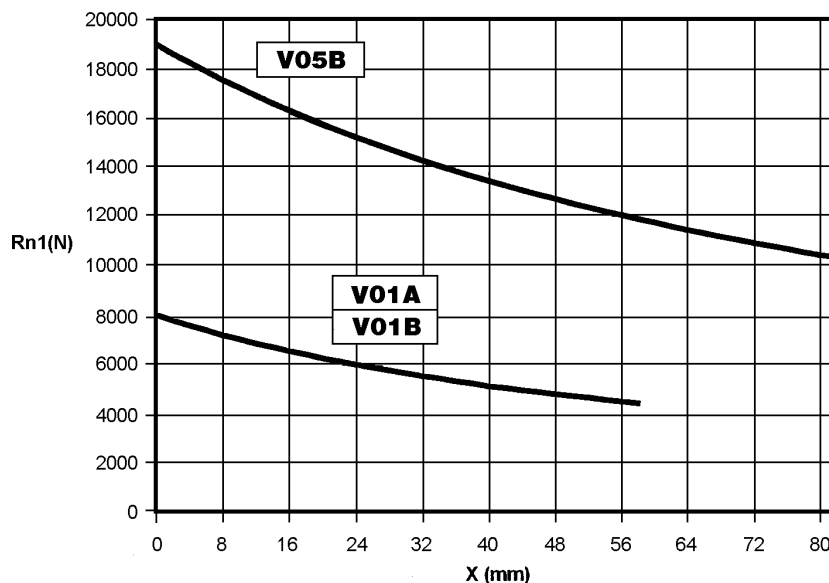
Fattore $fh_2$ correttivo per carichi sugli alberi Load corrective factor $fh_2$ on shafts Korrektionsfaktor $fh_2$ für wellenbelastungen Facteur de correction $fh_2$ pour charges sur les arbres	$Fh_2 = n_2 \cdot h$						
		10 000	25 000	50 000	100 000	500 000	1 000 000
$fh_2$	MZ - MC - FZ	1	0.74	0.58	0.46	0.27	0.21
	HZ - HC - PC - PZ	1	0.76	0.61	0.50	0.31	0.25

Carichi radiali ammissibili sull'albero veloce per un valore di  $Fh_1 : n_1 \cdot h = 250\ 000$

Permissible radial loads on input shaft with  $Fh_1 : n_1 \cdot h = 250\ 000$

An der Antriebswelle zulässige Radiallasten für einen Wert von  $Fh_1 : n_1 \cdot h = 250\ 000$

Charges radiales admises sur l'arbre d'entrée pour une valeur de  $Fh_1 : n_1 \cdot h = 250\ 000$





Fattore $fh_1$ correttivo per carichi sugli alberi Load corrective factor $fh_1$ on shafts Korrektionsfaktor $fh_1$ für wellenbelastungen Facteur de correction $fh_1$ pour charges sur les arbres	$Fh_1 = n_1 \cdot h$						
		250 000	500 000	1 000 000	2 000 000	5 000 000	10 000 000
$fh_1$	1	0.79	0.63	0.50	0.37	0.29	



# 306L

# M<sub>2</sub> = 8500 Nm

	i	M <sub>n2</sub> [Nm]						P <sub>1</sub>	Pt	n <sub>1</sub>	n <sub>1max</sub>	M <sub>b</sub>	
		n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h	n <sub>2</sub> ·h						
	1:	10 000	25 000	50 000	100 000	500 000	1 000 000						
<b>L1</b>	3.60	8 300	7 900	7 700	7 500	6 700	5 400	75	18	1 500	3 000	2 600	6K
	4.25	10 000	9 600	9 400	9 300	6 000	4 850	75	18	1 500	3 000	2 600	6K
	5.33	9 500	8 500	7 800	7 800	5 700	4 600	75	18	1 500	3 000	2 100	6G
	6.20	8 500	7 200	6 500	6 500	5 700	4 650	75	18	1 500	3 000	1 500	6E
	7.50	7 000	5 900	5 500	5 500	4 700	3 850	75	18	1 500	3 000	1 100	6C
<b>L2</b>	13.0	7 600	7 300	7 300	7 300	5 100	4 150	40	13	1 800	3 800	800	5G
	15.3	8 300	7 900	7 700	7 500	5 100	4 150	40	13	1 800	3 800	800	5G
	18.1	10 000	9 600	9 400	9 300	5 800	4 700	40	13	1 800	3 800	630	5E
	22.7	9 300	9 100	9 100	9 100	5 700	4 600	40	13	1 800	3 800	500	5C
	26.4	7 500	7 400	7 400	7 400	4 650	3 750	40	13	1 800	3 800	400	5B
	28.4	9 500	8 500	7 800	7 800	5 700	4 600	40	13	1 800	3 800	400	5B
	33.1	9 300	8 500	7 800	7 800	5 400	4 400	40	13	1 800	3 800	400	5B
	38.4	8 500	7 200	6 500	6 500	5 750	4 650	29	13	1 800	3 800	400	5B
	46.5	8 500	7 200	6 500	6 500	5 750	4 650	25	13	1 800	3 800	400	5B
	56.3	7 000	5 900	5 500	5 500	4 700	3 850	17.3	13	1 800	3 800	400	5B
<b>L3</b>	45.1	7 600	7 300	7 300	7 200	4 450	3 600	20.0	7.5	2 000	4 000	260	4F
	53.2	8 300	7 900	7 700	7 500	5 000	4 050	20.0	7.5	2 000	4 000	260	4F
	65.2	8 300	7 900	7 700	7 500	4 800	3 900	20.0	7.5	2 000	4 000	160	4D
	77.0	10 000	9 600	9 400	8 700	5 400	4 400	20.0	7.5	2 000	4 000	160	4D
	81.9	8 100	7 700	7 700	7 500	5 000	4 100	16.2	7.5	2 000	4 000	160	4D
	88.3	8 900	8 700	8 700	7 400	4 550	3 700	17.0	7.5	2 000	4 000	160	4D
	104	10 000	9 600	9 400	8 300	5 100	4 150	16.3	7.5	2 000	4 000	160	4D
	112	7 500	7 400	7 400	7 400	4 600	3 750	11.4	7.5	2 000	4 000	160	4D
	121	9 500	8 500	7 800	7 800	5 700	4 600	13.1	7.5	2 000	4 000	100	4B
	141	9 300	8 500	7 800	7 800	5 400	4 400	11.4	7.5	2 000	4 000	100	4B
	152	7 500	7 400	7 400	7 400	4 650	3 750	8.5	7.5	2 000	4 000	100	4B
	184	6 800	6 800	6 800	6 800	4 850	3 950	6.4	7.5	2 000	4 000	100	4B
	205	9 500	8 500	7 800	7 800	5 700	4 600	8.3	7.5	2 000	4 000	100	4B
	222	8 500	7 200	6 500	6 500	5 700	4 650	7.1	7.5	2 000	4 000	50	4A
	238	9 300	8 500	7 800	7 800	5 400	4 400	7.0	7.5	2 000	4 000	50	4A
	268	7 000	5 900	5 500	5 500	4 700	3 850	5.0	7.5	2 000	4 000	50	4A
	288	7 000	5 900	5 500	5 500	4 700	3 850	4.7	7.5	2 000	4 000	50	4A
325	7 000	5 900	5 500	5 500	4 700	3 850	4.3	7.5	2 000	4 000	50	4A	
405	7 000	5 900	5 500	5 500	4 700	3 850	3.6	7.5	2 000	4 000	50	4A	
<b>L4</b>	444	10 000	9 600	9 400	8 300	5 100	4 150	6.8	6	2 000	4 000	50	4A
	509	8 900	8 700	8 700	7 400	4 550	3 700	5.3	6	2 000	4 000	50	4A
	589	9 500	8 500	7 800	7 800	5 700	4 600	4.7	6	2 000	4 000	50	4A
	636	8 900	8 700	8 700	7 400	4 550	3 700	4.3	6	2 000	4 000	50	4A
	700	9 500	8 500	7 800	7 800	5 700	4 600	4.3	6	2 000	4 000	50	4A
	809	7 500	7 400	7 400	7 400	4 650	3 750	3.3	6	2 000	4 000	50	4A
	877	7 500	7 400	7 400	7 400	4 650	3 750	3.1	6	2 000	4 000	50	4A
	1 015	9 300	8 500	7 800	7 800	5 400	4 400	3.0	6	2 000	4 000	50	4A
	1 095	7 500	7 400	7 400	7 400	4 650	3 750	2.6	6	2 000	4 000	50	4A
	1 279	8 500	7 200	6 500	6 500	5 700	4 650	2.4	6	2 000	4 000	50	4A
	1 475	9 500	8 500	7 800	7 800	5 700	4 600	2.0	6	2 000	4 000	50	4A
	1 597	8 500	7 200	6 500	6 500	5 700	4 650	1.9	6	2 000	4 000	50	4A
	1 872	7 000	5 900	5 500	5 500	4 700	3 850	1.6	6	2 000	4 000	50	4A
	2 074	7 000	5 900	5 500	5 500	4 700	3 850	1.5	6	2 000	4 000	50	4A
2 337	7 000	5 900	5 500	5 500	4 700	3 850	1.3	6	2 000	4 000	50	4A	
2 916	7 000	5 900	5 500	5 500	4 700	3 850	1.0	6	2 000	4 000	50	4A	

$$M_{2max} = 1.2 \cdot M_{n2} \quad (n_2 \cdot h = 10\,000)$$