





**301L**
**M<sub>2</sub> = 1750 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>	3.48	1 400	1 400	1 400	1 300	1 300	1 100	30	7.5	2 000	4 000	440	4L
	4.26	2 000	2 000	1 750	1 700	1 350	1 100	30	7.5	2 000	4 000	440	4L
	5.77	1 700	1 450	1 300	1 300	1 300	1 050	30	7.5	2 000	4 000	400	4K
	7.20	1 150	1 150	1 150	1 150	1 150	940	26	7.5	2 000	4 000	260	4F
<b>L2</b>	12.1	1 400	1 400	1 400	1 300	1 300	1 100	17.9	7.5	2 000	4 000	160	4D
	14.8	1 400	1 400	1 400	1 300	1 300	1 100	14.6	7.5	2 000	4 000	160	4D
	18.2	2 000	2 000	1 750	1 700	1 350	1 100	15.6	7.5	2 000	4 000	160	4D
	20.1	1 400	1 400	1 400	1 300	1 300	1 100	10.8	7.5	2 000	4 000	160	4D
	24.6	2 000	2 000	1 750	1 700	1 350	1 100	11.7	7.5	2 000	4 000	160	4D
	30.7	2 000	2 000	1 750	1 700	1 350	1 100	9.7	7.5	2 000	4 000	100	4B
	33.3	1 700	1 450	1 300	1 300	1 300	1 050	6.6	7.5	2 000	4 000	100	4B
	41.5	1 700	1 450	1 300	1 300	1 300	1 050	5.5	7.5	2 000	4 000	100	4B
51.8	1 150	1 150	1 150	1 150	1 150	940	3.7	7.5	2 000	4 000	50	4A	
<b>L3</b>	42.1	1 400	1 400	1 400	1 300	1 300	1 100	5.7	7.5	2 000	4 000	50	4A
	51.6	2 000	2 000	1 750	1 700	1 350	1 100	6.6	7.5	2 000	4 000	50	4A
	63.2	2 000	2 000	1 750	1 700	1 350	1 100	5.4	7.5	2 000	4 000	50	4A
	69.9	1 400	1 400	1 400	1 300	1 300	1 100	3.4	7.5	2 000	4 000	50	4A
	77.5	2 000	2 000	1 750	1 700	1 350	1 100	4.4	7.5	2 000	4 000	50	4A
	85.6	2 000	2 000	1 750	1 700	1 350	1 100	4.0	7.5	2 000	4 000	50	4A
	105	2 000	2 000	1 750	1 700	1 350	1 100	3.3	7.5	2 000	4 000	50	4A
	116	1 700	1 450	1 300	1 300	1 300	1 050	2.4	7.5	2 000	4 000	50	4A
	131	2 000	2 000	1 750	1 700	1 350	1 100	2.6	7.5	2 000	4 000	50	4A
	142	2 000	2 000	1 750	1 700	1 350	1 100	2.4	7.5	2 000	4 000	50	4A
	177	2 000	2 000	1 750	1 700	1 350	1 100	1.9	7.5	2 000	4 000	50	4A
	192	1 700	1 450	1 300	1 300	1 300	1 050	1.6	7.5	2 000	4 000	50	4A
	221	2 000	2 000	1 750	1 700	1 350	1 100	1.6	7.5	2 000	4 000	50	4A
	240	1 700	1 450	1 300	1 300	1 300	1 050	1.3	7.5	2 000	4 000	50	4A
299	1 700	1 450	1 300	1 300	1 300	1 050	1.1	7.5	2 000	4 000	50	4A	
373	1 150	1 150	1 150	1 150	1 150	940	0.53	7.5	2 000	4 000	50	4A	
<b>L4</b>	403	1 700	1 450	1 300	1 300	1 300	1 050	1.2	6	2 000	4 000	50	4A
	447	2 000	2 000	1 750	1 700	1 350	1 100	1.3	6	2 000	4 000	50	4A
	494	2 000	2 000	1 750	1 700	1 350	1 100	1.2	6	2 000	4 000	50	4A
	558	2 000	2 000	1 750	1 700	1 350	1 100	1.06	6	2 000	4 000	50	4A
	616	2 000	2 000	1 750	1 700	1 350	1 100	0.96	6	2 000	4 000	50	4A
	755	2 000	2 000	1 750	1 700	1 350	1 100	0.78	6	2 000	4 000	50	4A
	819	2 000	2 000	1 750	1 700	1 350	1 100	0.72	6	2 000	4 000	50	4A
	942	2 000	2 000	1 750	1 700	1 350	1 100	0.63	6	2 000	4 000	50	4A
	1 022	2 000	2 000	1 750	1 700	1 350	1 100	0.58	6	2 000	4 000	50	4A
	1 108	1 700	1 450	1 300	1 300	1 300	1 050	0.53	6	2 000	4 000	50	4A
	1 275	2 000	2 000	1 750	1 700	1 350	1 100	0.46	6	2 000	4 000	50	4A
	1 383	1 700	1 450	1 300	1 300	1 300	1 050	0.43	6	2 000	4 000	50	4A
	1 591	2 000	2 000	1 750	1 700	1 350	1 100	0.37	6	2 000	4 000	50	4A
	1 725	1 700	1 450	1 300	1 300	1 300	1 050	0.34	6	2 000	4 000	50	4A
2 153	1 700	1 450	1 300	1 300	1 300	1 050	0.27	6	2 000	4 000	50	4A	
2 687	1 150	1 150	1 150	1 150	1 150	940	0.13	6	2 000	4 000	50	4A	

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

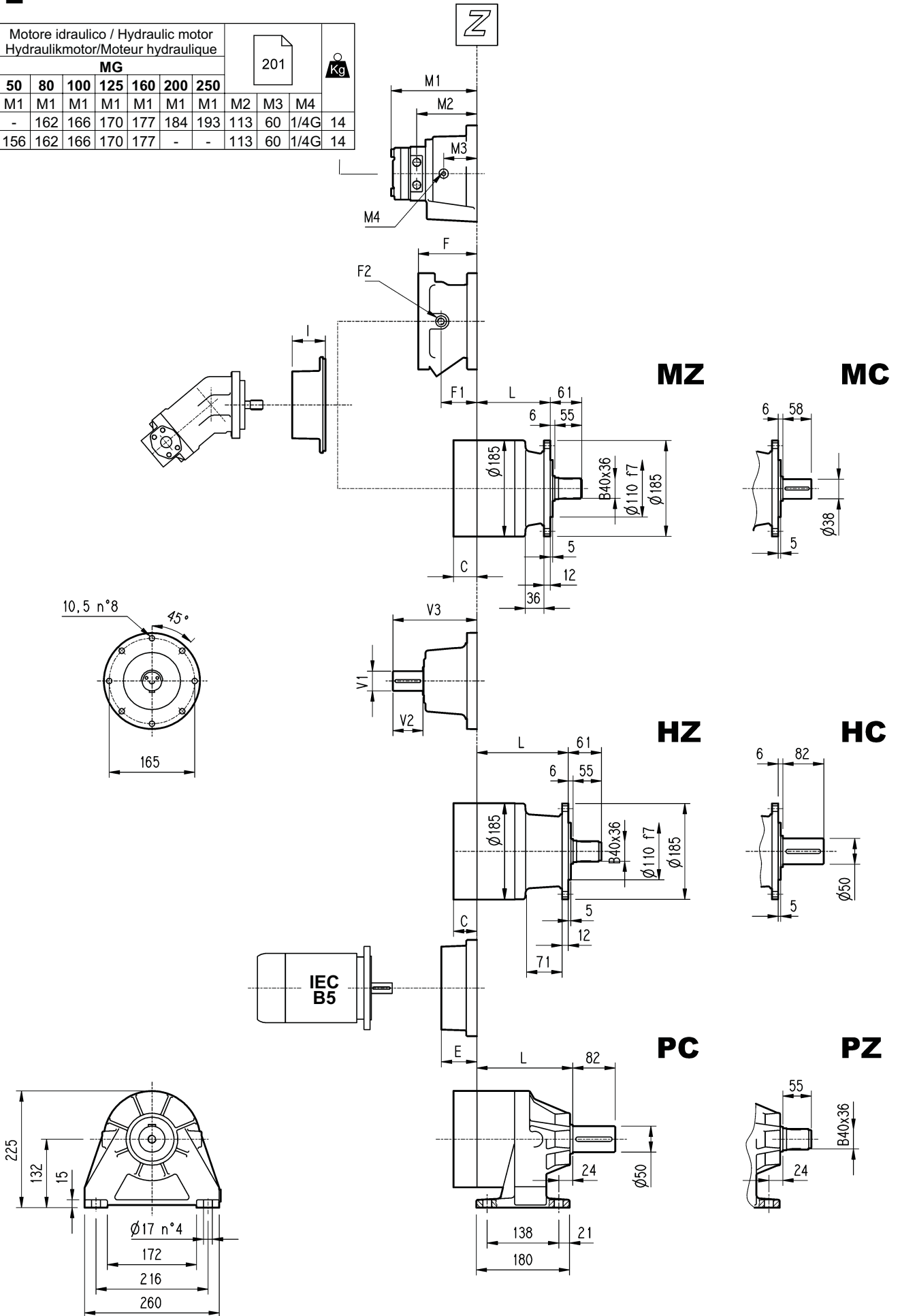
**M<sub>2</sub> = 1750 Nm**
**301R**

	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>	7.13	1 200	1 200	1 200	1 200	1 100	0 890	15	12	2 000	4 000	260	4F
	8.74	1 450	1 450	1 450	1 450	1 250	1 050	15	12	2 000	4 000	330	4H
	11.8	1 700	1 450	1 300	1 300	1 300	1 050	15	12	2 000	4 000	260	4F
	14.8	1 150	1 150	1 150	1 150	1 150	940	13	12	2 000	4 000	160	4D
<b>R3</b>	24.8	1 400	1 400	1 400	1 300	1 300	1 100	9.3	12	2 000	4 000	100	4B
	30.4	1 400	1 400	1 400	1 300	1 300	1 100	7.8	12	2 000	4 000	100	4B
	37.3	2 000	2 000	1 750	1 700	1 350	1 100	8.5	12	2 000	4 000	100	4B
	41.2	1 400	1 400	1 400	1 300	1 300	1 100	5.9	12	2 000	4 000	100	4B
	50.4	2 000	2 000	1 750	1 700	1 350	1 100	6.6	12	2 000	4 000	100	4B
	62.9	2 000	2 000	1 750	1 700	1 350	1 100	5.5	12	2 000	4 000	50	4A
	68.2	1 700	1 450	1 300	1 300	1 300	1 050	3.7	12	2 000	4 000	50	4A
	85.2	1 700	1 450	1 300	1 300	1 300	1 050	3.1	12	2 000	4 000	50	4A
	106	1 150	1 150	1 150	1 150	1 150	940	1.9	12	2 000	4 000	50	4A
<b>R4</b>	86.4	1 400	1 400	1 400	1 300	1 300	1 100	4.8	10	2 000	4 000	50	4A
	106	2 000	2 000	1 750	1 700	1 350	1 100	5.5	10	2 000	4 000	50	4A
	130	2 000	2 000	1 750	1 700	1 350	1 100	4.5	10	2 000	4 000	50	4A
	143	1 400	1 400	1 400	1 300	1 300	1 100	2.9	10	2 000	4 000	50	4A
	159	2 000	2 000	1 750	1 700	1 350	1 100	3.7	10	2 000	4 000	50	4A
	175	2 000	2 000	1 750	1 700	1 350	1 100	3.3	10	2 000	4 000	50	4A
	215	2 000	2 000	1 750	1 700	1 350	1 100	2.8	10	2 000	4 000	50	4A
	237	1 700	1 450	1 300	1 300	1 300	1 050	2.1	10	2 000	4 000	50	4A
	268	2 000	2 000	1 750	1 700	1 350	1 100	2.2	10	2 000	4 000	50	4A
	291	2 000	2 000	1 750	1 700	1 350	1 100	2.0	10	2 000	4 000	50	4A
	363	2 000	2 000	1 750	1 700	1 350	1 100	1.6	10	2 000	4 000	50	4A
	394	1 700	1 450	1 300	1 300	1 300	1 050	1.4	10	2 000	4 000	50	4A
	453	2 000	2 000	1 750	1 700	1 350	1 100	1.3	10	2 000	4 000	50	4A
	491	1 700	1 450	1 300	1 300	1 300	1 050	1.1	10	2 000	4 000	50	4A
	613	1 700	1 450	1 300	1 300	1 300	1 050	1.0	10	2 000	4 000	50	4A
765	1 150	1 150	1 150	1 150	1 150	940	0.44	10	2 000	4 000	50	4A	

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

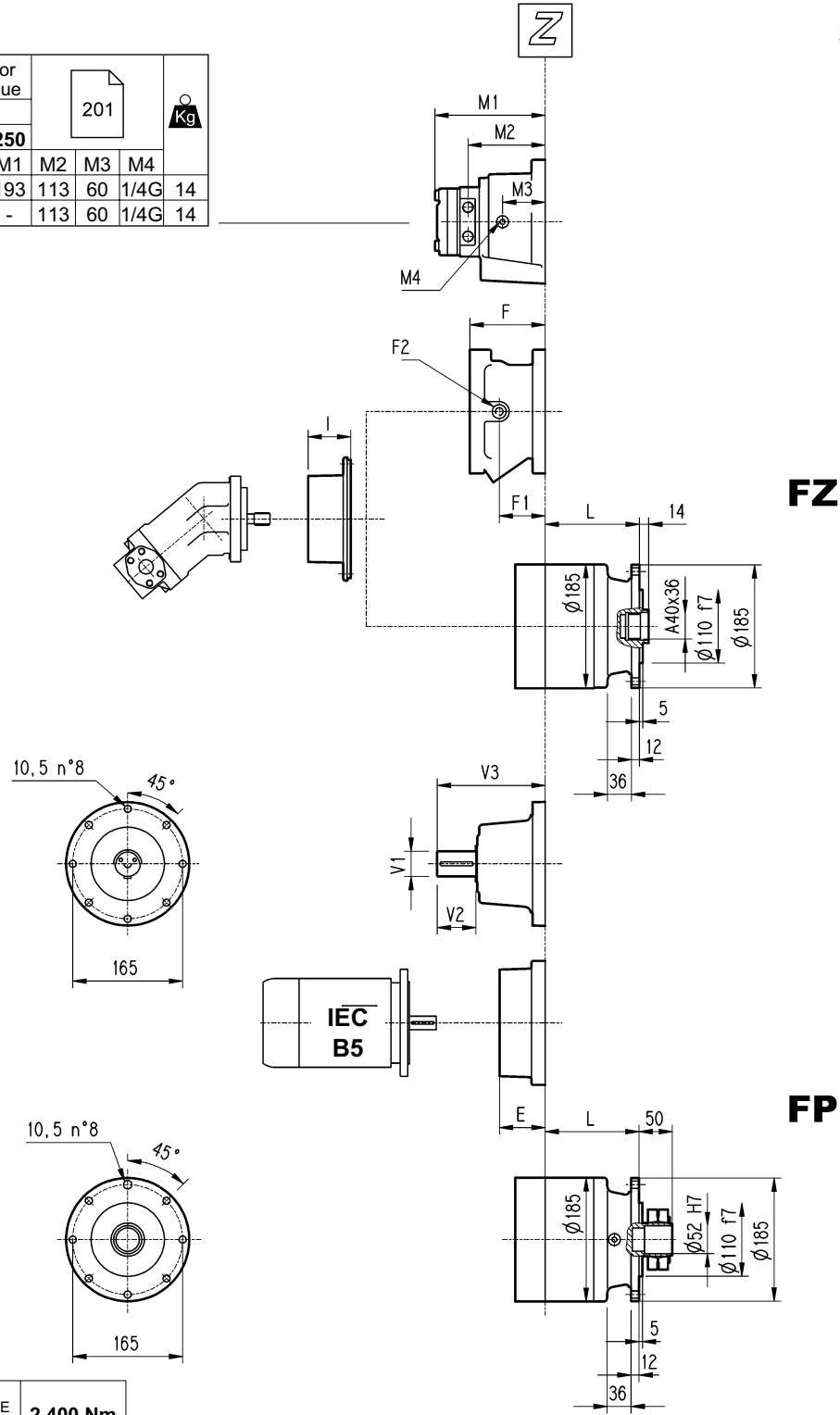
# 301L

cm <sup>3</sup>	Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique							201	Kg		
	MG										
	50	80	100	125	160	200	250				
	M1	M1	M1	M1	M1	M1	M1	M2	M3	M4	
<b>301L1</b>	-	162	166	170	177	184	193	113	60	1/4G	14
<b>301L2</b>	156	162	166	170	177	-	-	113	60	1/4G	14



# 301L

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique						201			
		<b>MG</b>									
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4	
	M1	M1	M1	M1	M1	M1	M1				
<b>301L1</b>	-	162	166	170	177	184	193	113	60	1/4G	14
<b>301L2</b>	156	162	166	170	177	-	-	113	60	1/4G	14



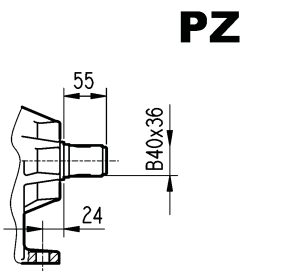
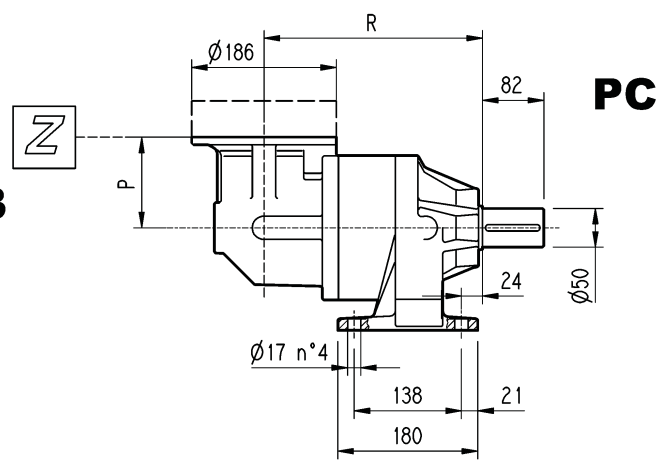
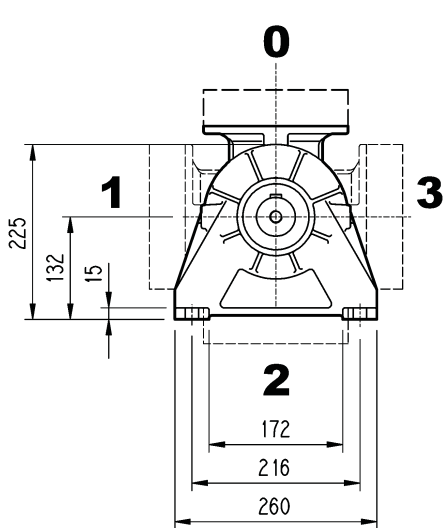
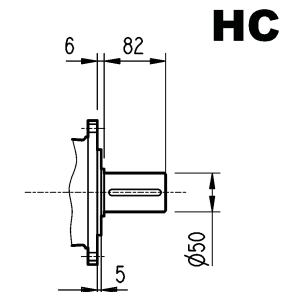
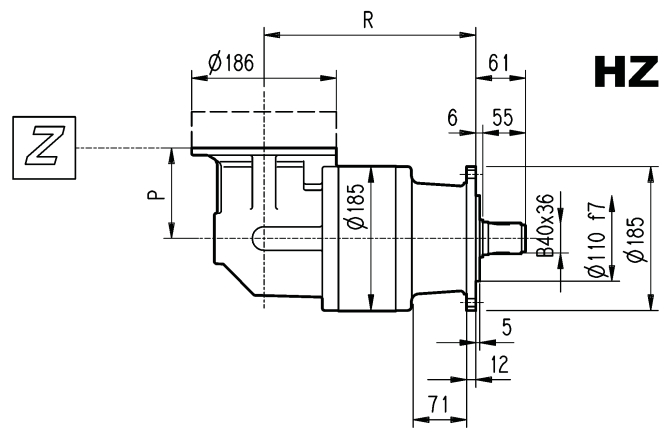
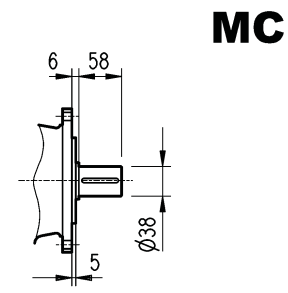
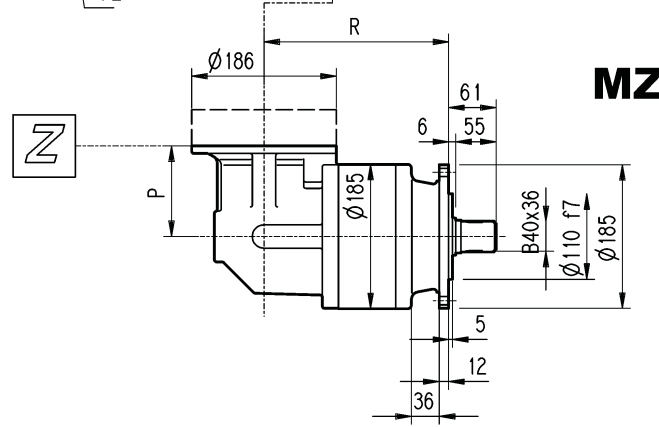
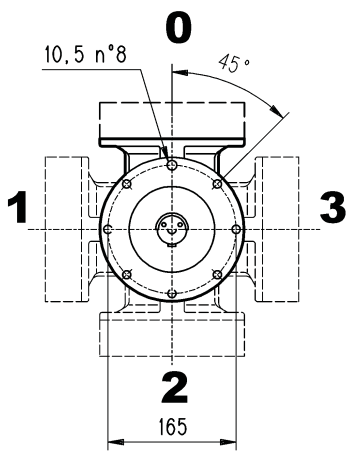
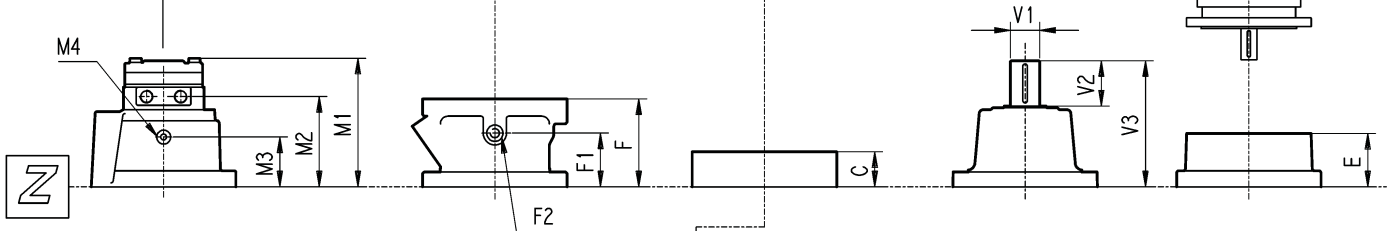
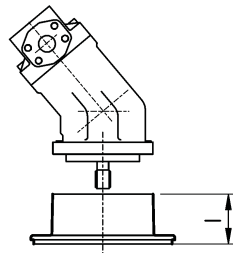
VERSIONE FP FP VERSION VERSION FP VERSION FP	COPPIA MAX. TRASMISSIBILE MAX. TRANSMISSIBLE TORQUE MAX. ÜBERTR. MOMENT COUPLE MAX. TRANSMISSIBLE	<b>2 400 Nm</b>
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	L								C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	
	MZ MC	FZ FP	HZ HC	PC PZ													
<b>301 L1</b>	92	92	127	133	21	19	23	26	37	A		105	65	1/4G	4	A	10
<b>301 L2</b>	145	145	180	186	25	23	27	30	37	A		105	65	1/4G	4	A	10
<b>301 L3</b>	198	198	233	239	29	27	31	34	37	A		105	65	1/4G	4	A	10
<b>301 L4</b>	251	251	286	292	33	31	35	38	37	A	191	105	65	1/4G	4	A	10

	V1	V2	V3		V1	V2	V3		E						
									IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160
<b>301 L1</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144
<b>301 L2</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144
<b>301 L3</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144
<b>301 L4</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114	144

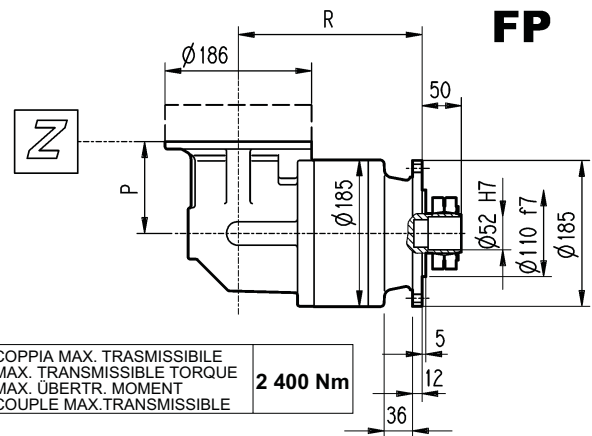
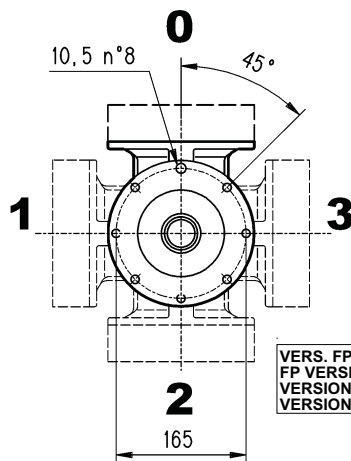
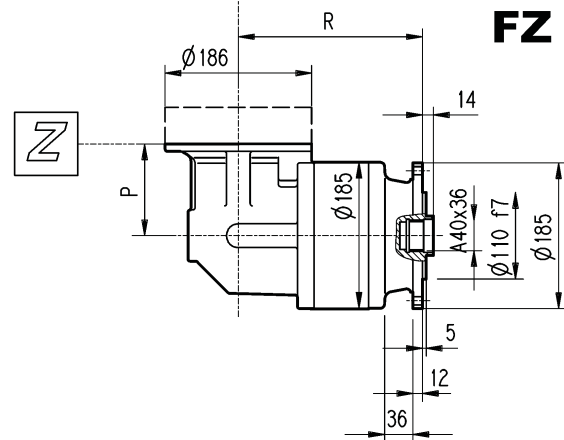
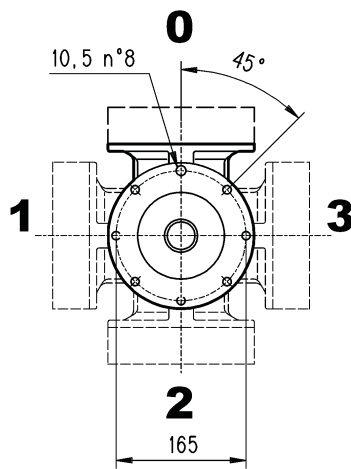
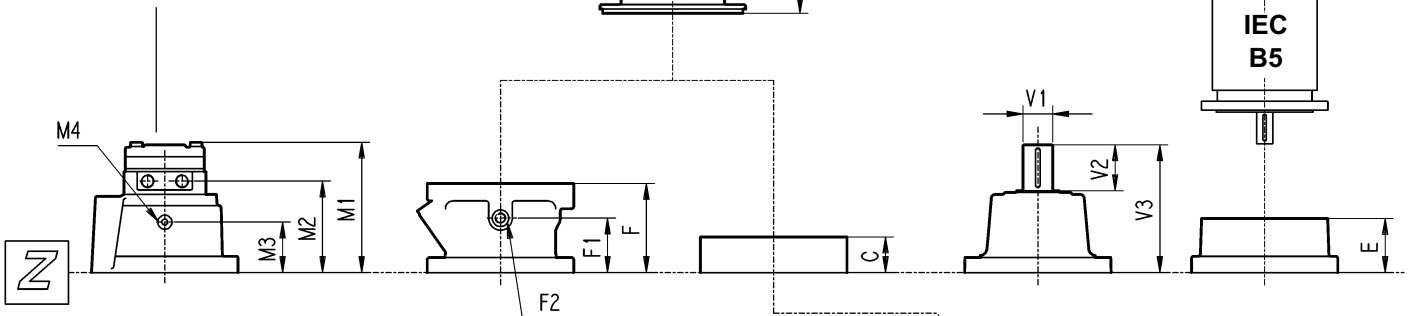
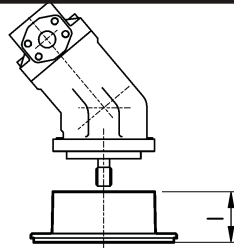
# 301R

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique						201		
		<b>MG</b>								
<b>cm<sup>3</sup></b>	<b>50</b>	<b>80</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	M2	M3	M4
<b>301R2</b>	156	162	166	170	177	-	-	113	60	1/4G 14



**301R**

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique							201		
		<b>MG</b>									
cm <sup>3</sup>	50	80	100	125	160	200	250	M2	M3	M4	
<b>301R2</b>	156	162	166	170	177	-	-	113	60	1/4G	14



VERS. FP  
FP VERSION  
VERSION FP  
VERSION FP

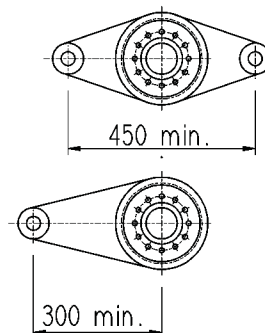
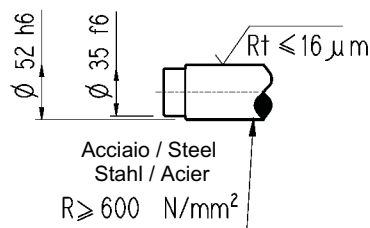
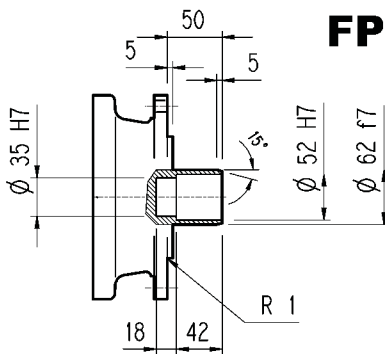
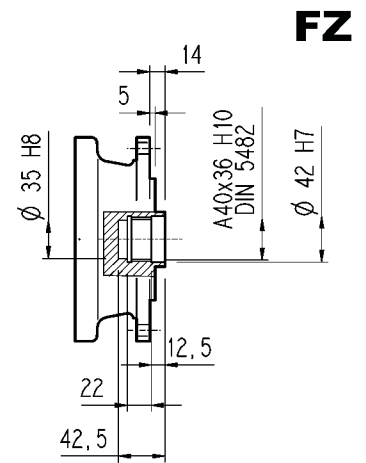
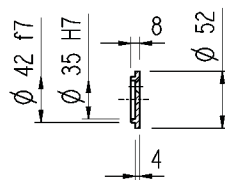
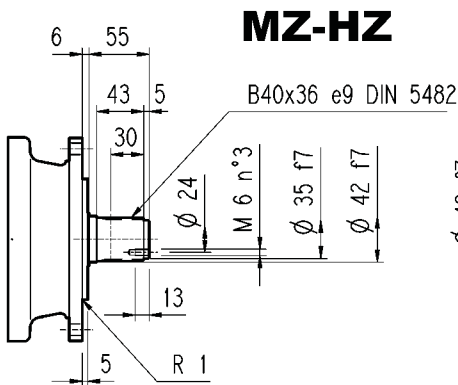
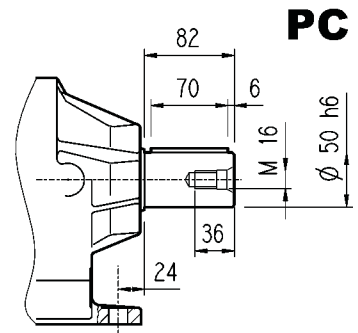
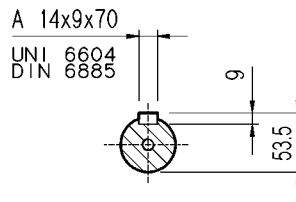
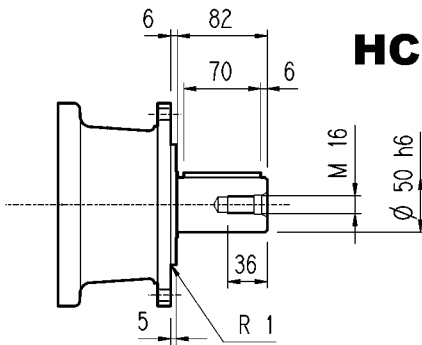
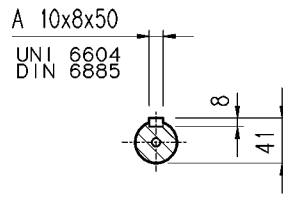
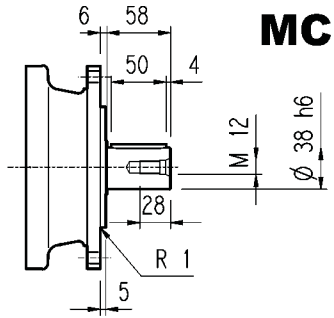
COPPIA MAX. TRASMISSIBILE  
MAX. TRANSMISSIBLE TORQUE  
MAX. ÜBERTR. MOMENT  
COUPLE MAX. TRANSMISSIBLE

**2 400 Nm**

	R						P					C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée	
	MZ	MC	FZ	FP	HZ	HC		PC	PZ	MZ	MC									
<b>301 R2</b>	184	184	219	225	122	35	33	37	40	37	A	105	65	1/4G	4	A	10			
<b>301 R3</b>	237	237	272	278	122	39	37	41	44	37	A	105	65	1/4G	4	A	10			
<b>301 R4</b>	290	290	325	331	122	43	41	45	48	37	A	191	105	65	1/4G	4	A	10		

	V1	V2	V3		V1	V2	V3		E					
									IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132
<b>301 R2</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>301 R3</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114
<b>301 R4</b>	24	36	137.5	6	38	58	158	7	65	84	84	94	94	114

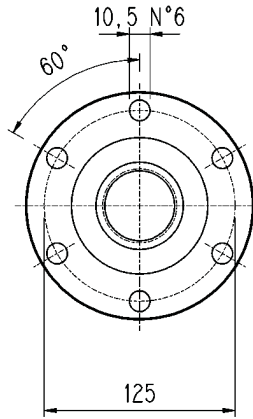
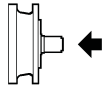
# 301L - 301R



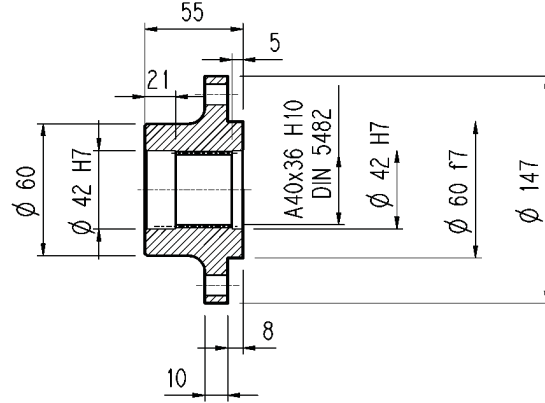
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FP VERSION	MAX. TRASMISSIBILE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

Flangia / Flange  
Flansch / Brides

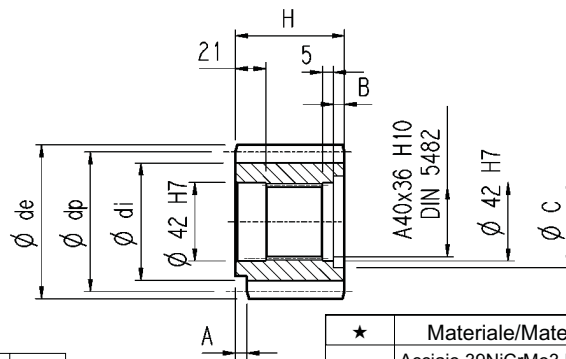
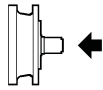
**301L - 301R**  
**WOA**



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



Pignoni per rotazione / Output pinions  
Ritzel / Pignons

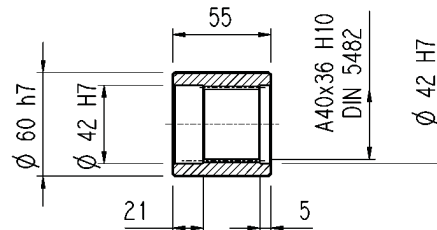
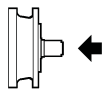


**P...**

	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 cémenté et trempé 18NiCrMo5

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

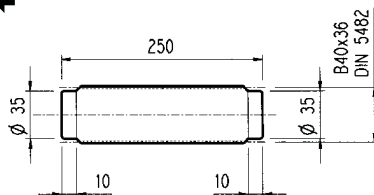
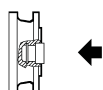


**MOA**

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

Barre scanalate / Splined bars  
Vielkeilwellen / Barre cannelée

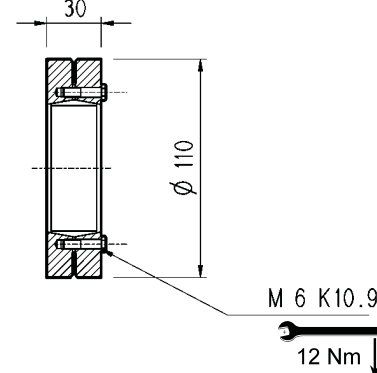
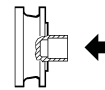
**BOA**



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

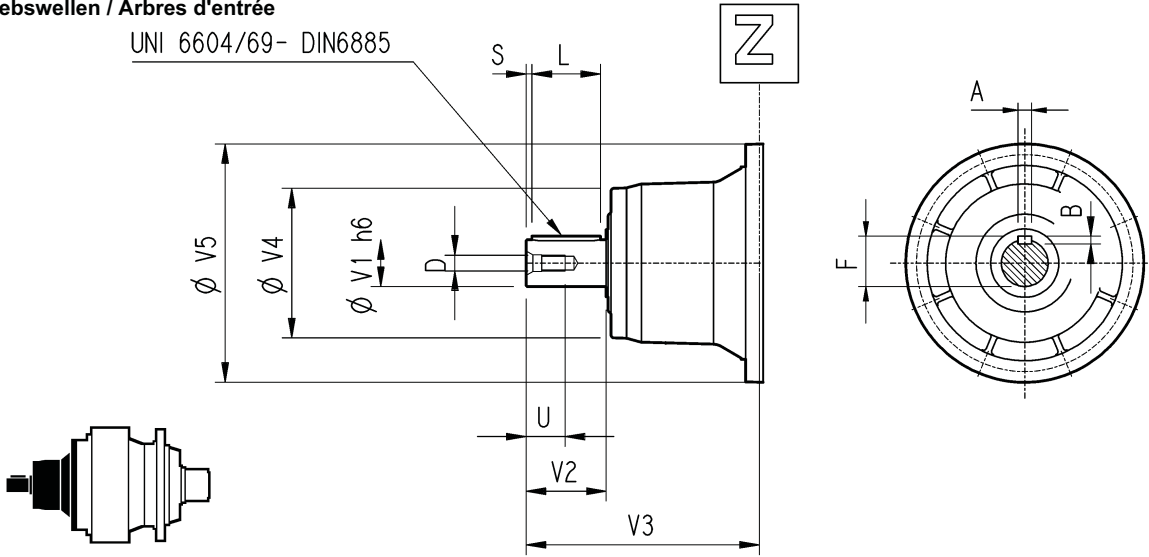
**GOA**



# 301L - 301R

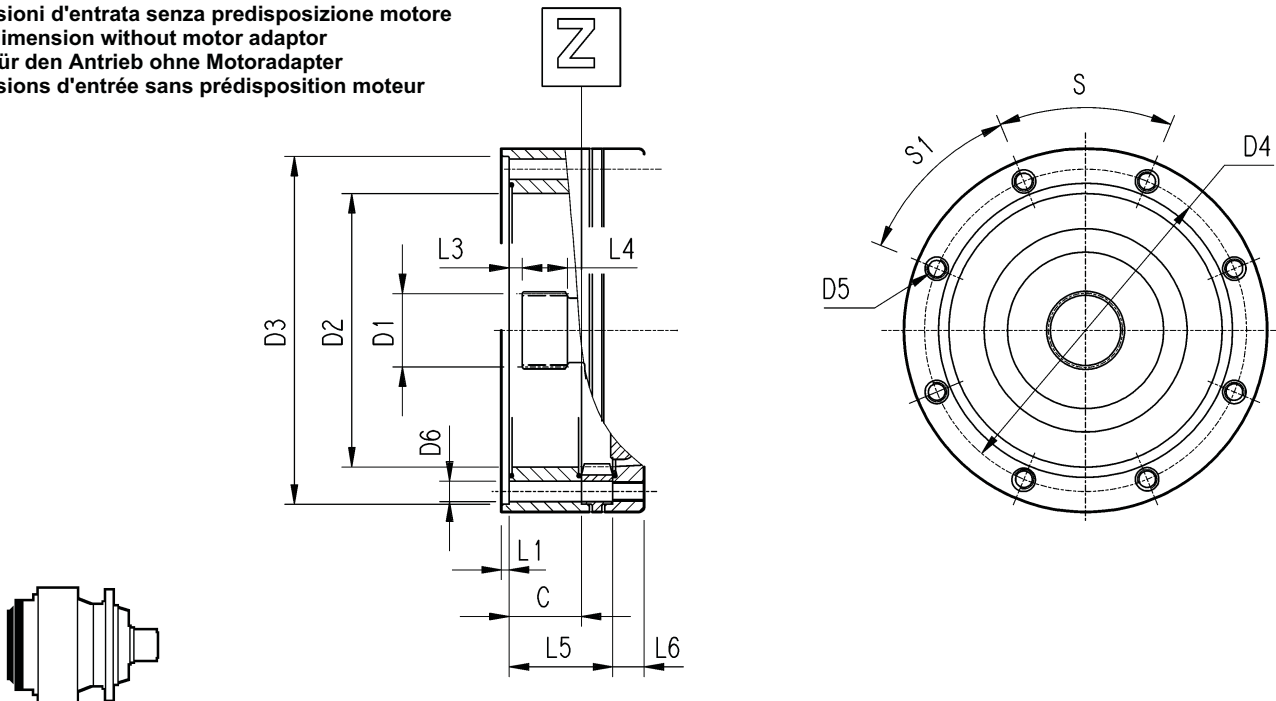
Algeri veloci / Input shaft  
Antriebswellen / Arbres d'entrée

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

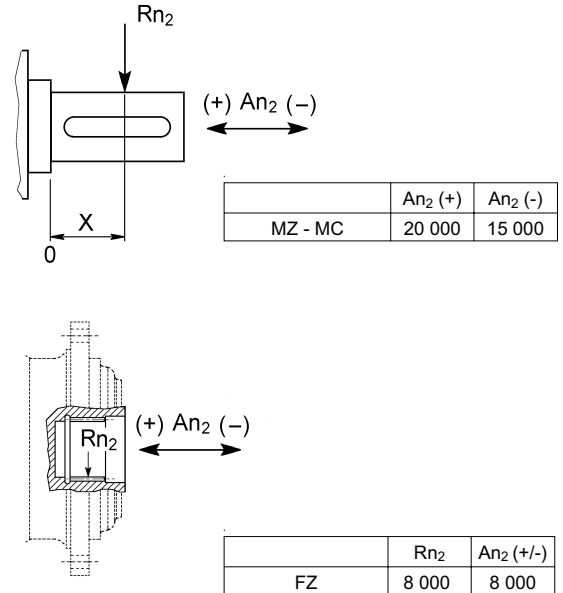
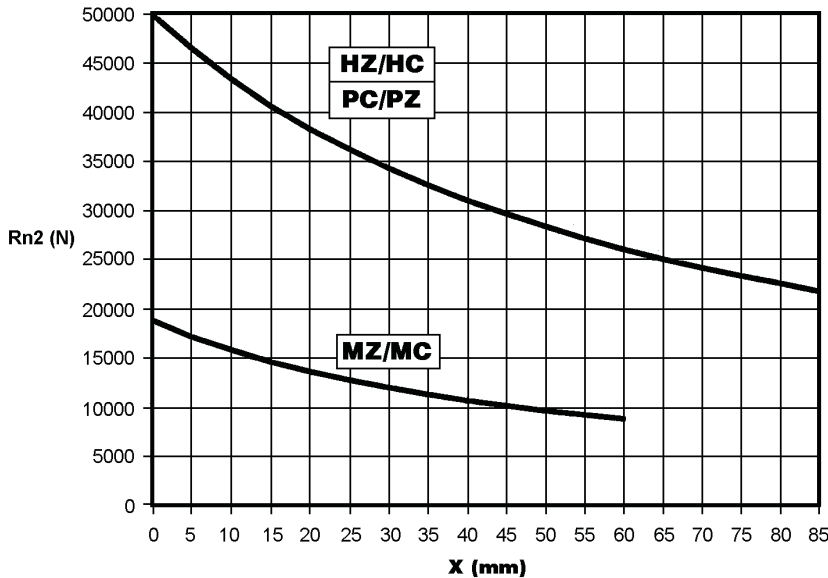
### 301L - 301R

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

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  $Fh_2 : n_2 \cdot h = 10\ 000$



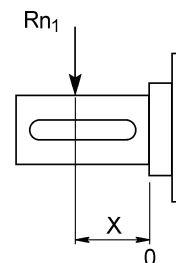
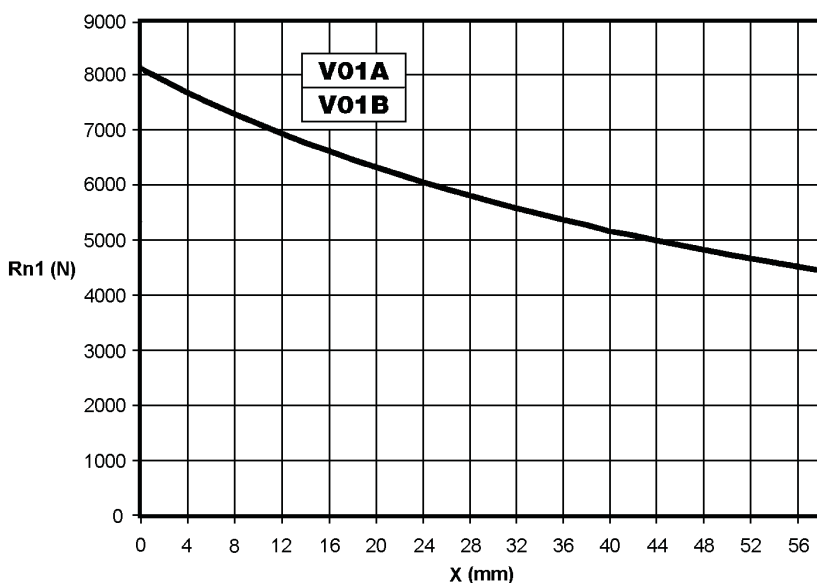
Fattore $fh_2$ correttivo per carichi sugli alberi Load corrective factor $fh_2$ on shafts Korrektionsfaktor $fh_2$ für wellenbelastungen Facteur de correction $fh_2$ pour charges sur les arbres	$Fh_2 = n_2 \cdot h$						
		10 000	25 000	50 000	100 000	500 000	1 000 000
$fh_2$	MZ - MC - FZ	1	0.74	0.58	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	