



301L



M₂ = 1750 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b	
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h						
	1:	10 000	25 000	50 000	100 000	500 000	1 000 000						
L1	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
L2	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	
L3	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	
L4	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 · M_{n2} (n₂ · h = 10 000)

M₂ = 1750 Nm

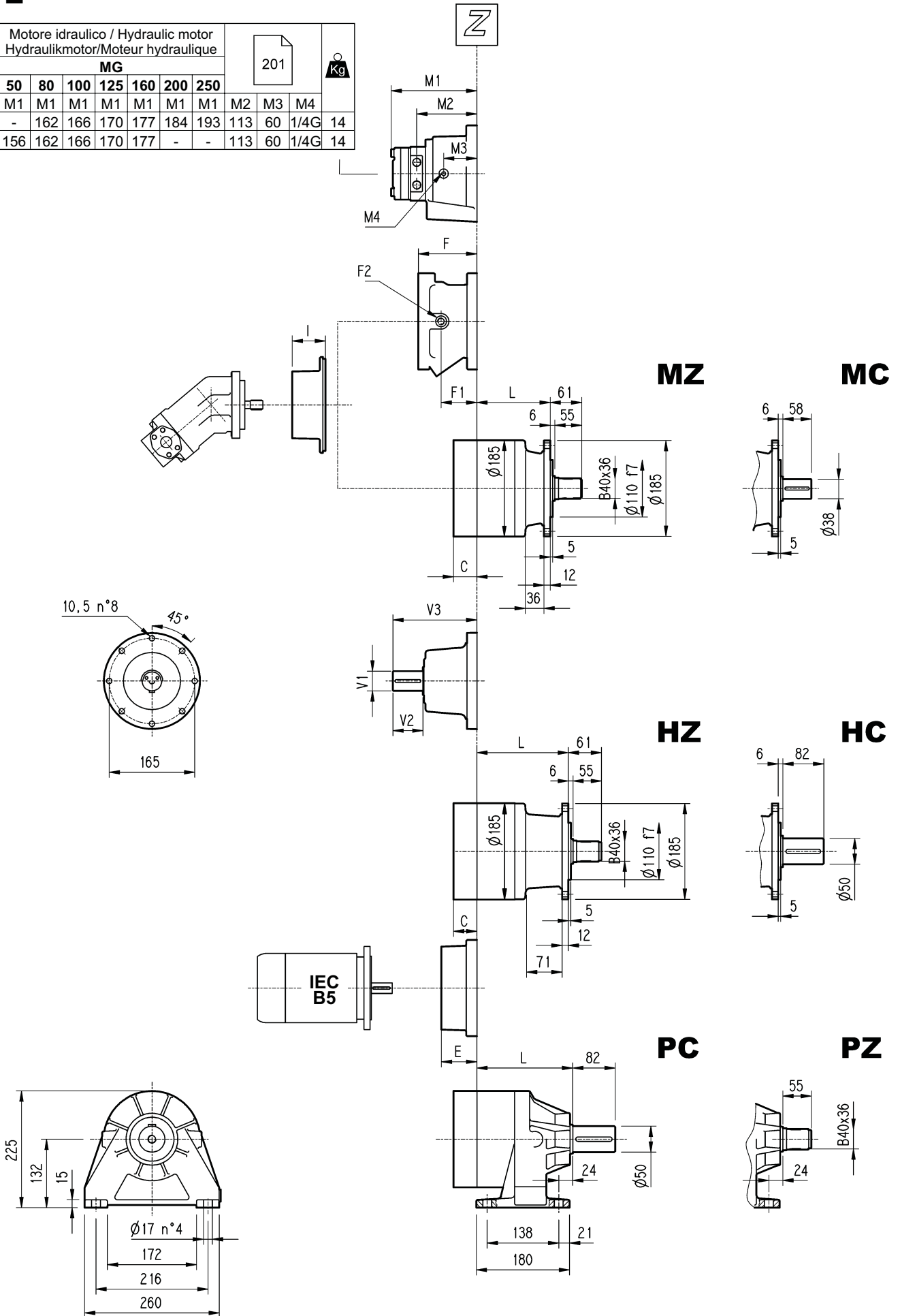
301R

	i	M _{n2} [Nm]						P ₁ [kW]	P _t [kW]	n ₁ [min ⁻¹]	n _{1max} [min ⁻¹]	M _b [Nm]	
		n ₂ ·h 10 000	n ₂ ·h 25 000	n ₂ ·h 50 000	n ₂ ·h 100 000	n ₂ ·h 500 000	n ₂ ·h 1 000 000						
R2	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
R3	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
R4	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 · M_{n2} (n₂ · h = 10 000)

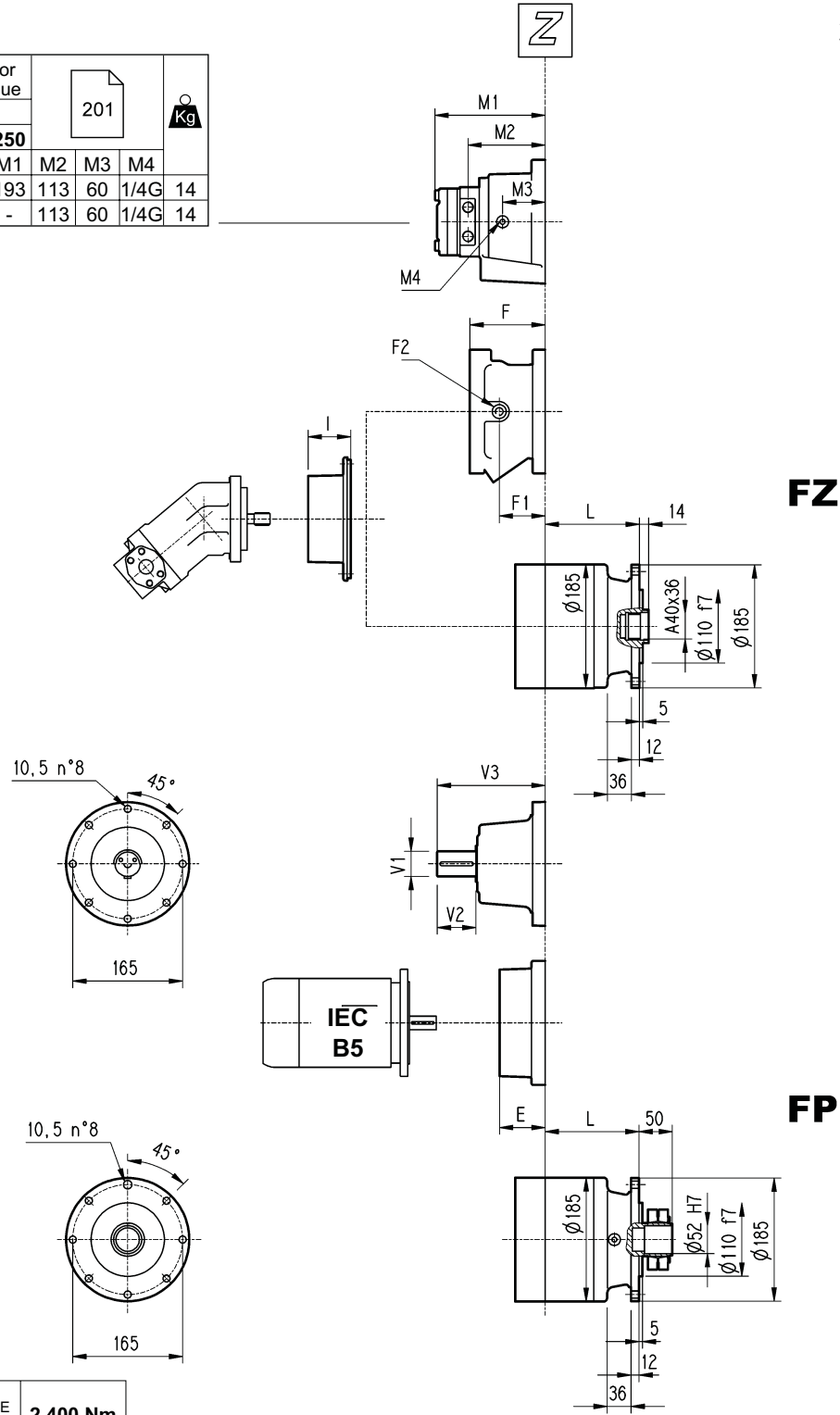
301L

cm ³	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	
301L1	-	162	166	170	177	184	193	113	60	1/4G	14
301L2	156	162	166	170	177	-	-	113	60	1/4G	14



301L

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



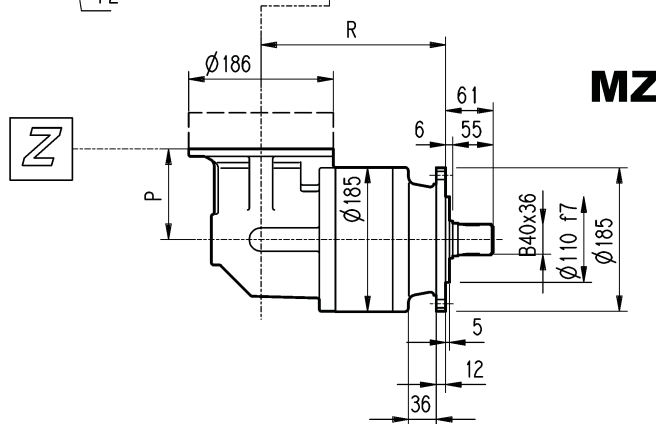
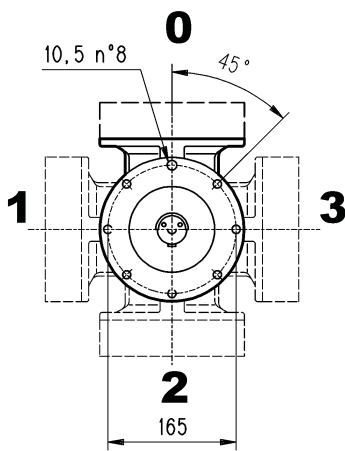
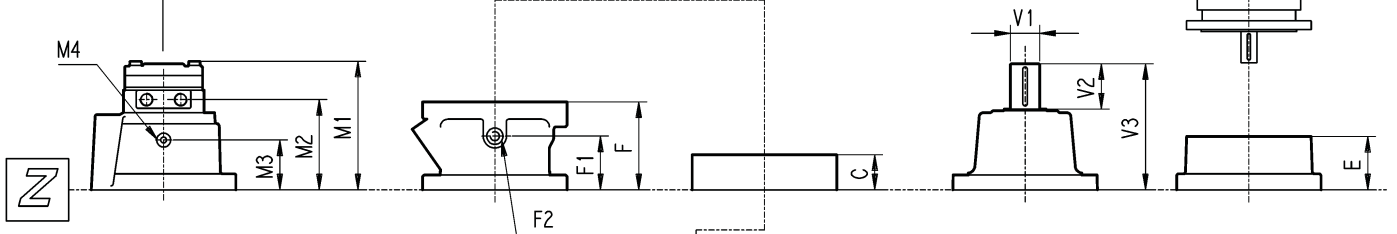
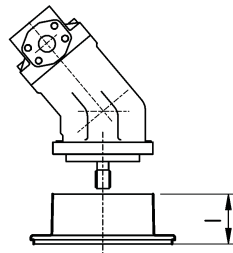
VERSIONE FP FP VERSION VERSION FP VERSION FP	COPPIA MAX. TRASMISSIBILE MAX. TRANSMISSIBLE TORQUE MAX. ÜBERTR. MOMENT COUPLE MAX. TRANSMISSIBLE	2 400 Nm
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	L								C	Entrata Input Antrieb Entrée	I	F	F1	F2	Tipo Type Typ Type	Entrata Input Antrieb Entrée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

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

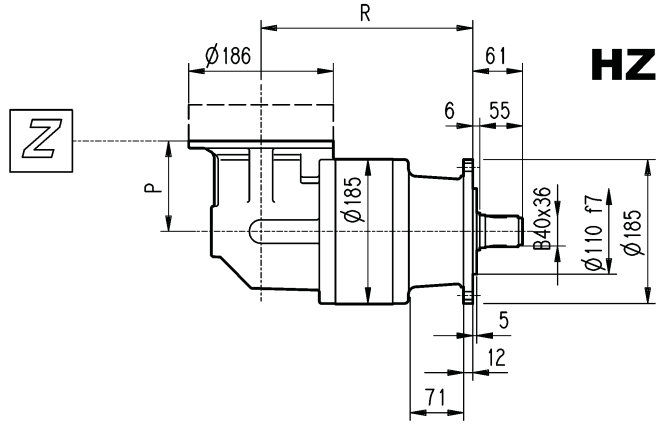
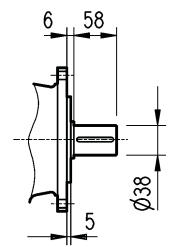
301R

		Motore idraulico / Hydraulic motor Hydraulikmotor/Moteur hydraulique						201		
		MG								
cm³	50	80	100	125	160	200	250	M2	M3	M4
301R2	156	162	166	170	177	-	-	113	60	1/4G 14



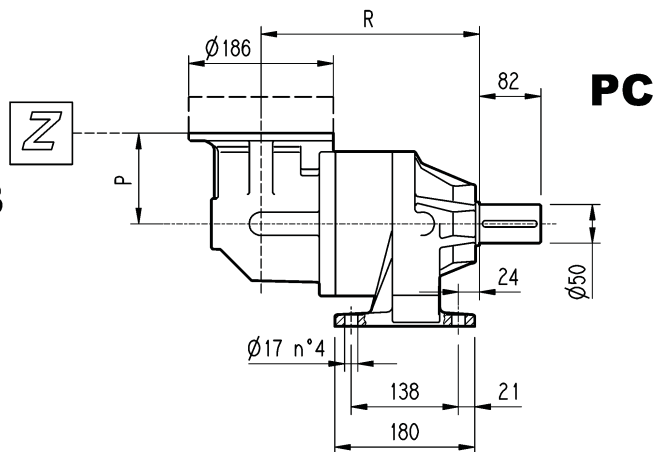
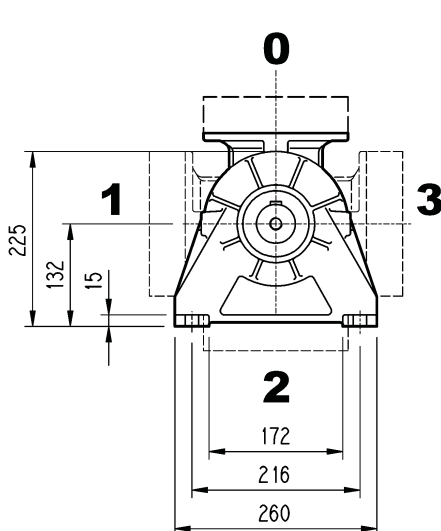
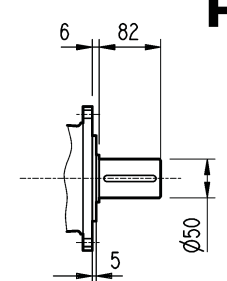
MZ

MC



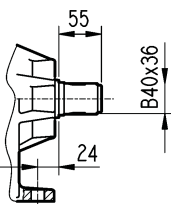
HZ

HC



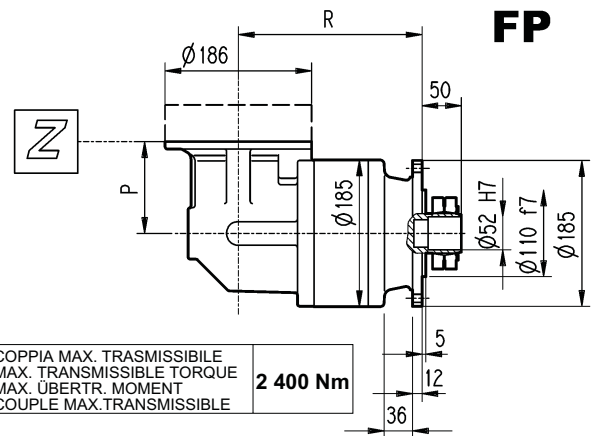
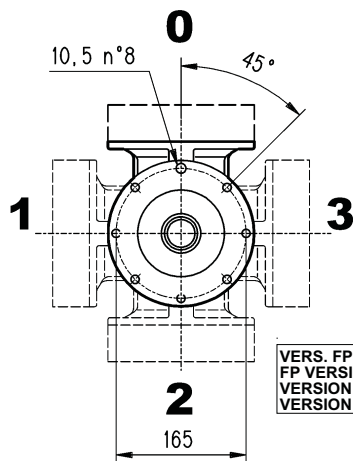
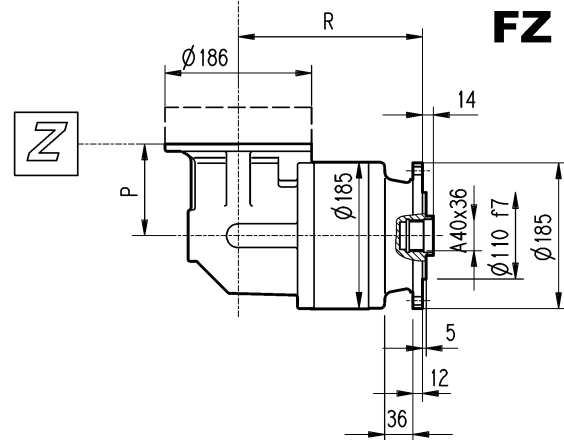
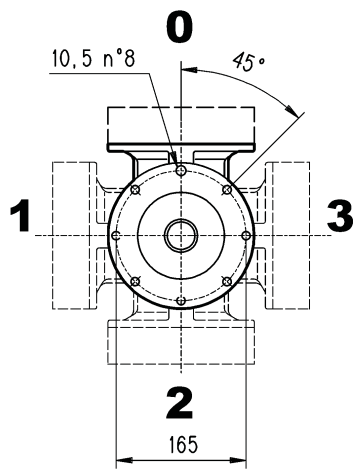
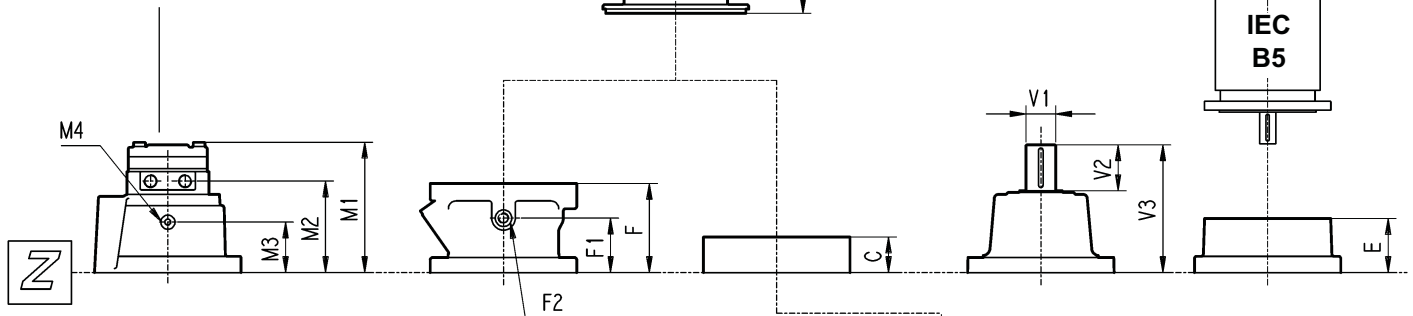
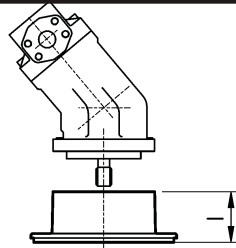
PC

PZ



301R

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



VERS. FP
FP VERSION
VERSION FP
VERSION FP

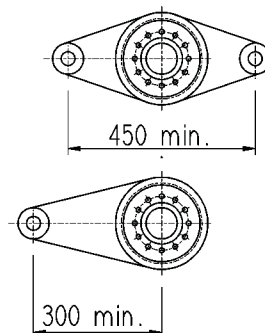
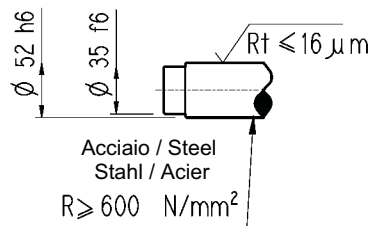
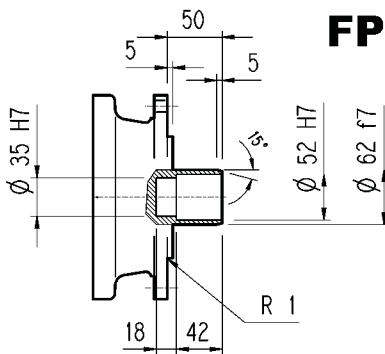
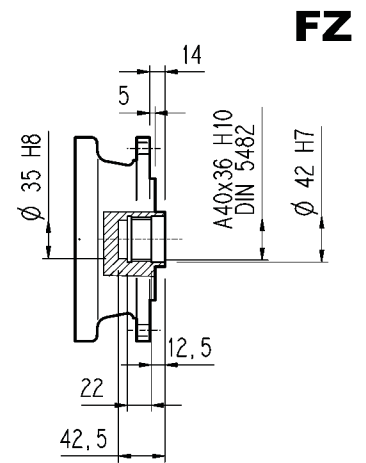
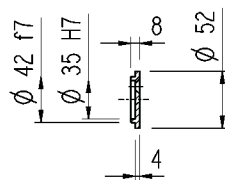
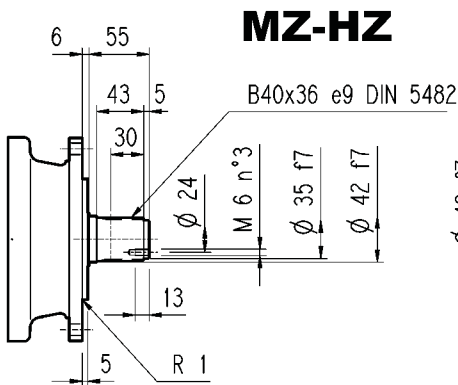
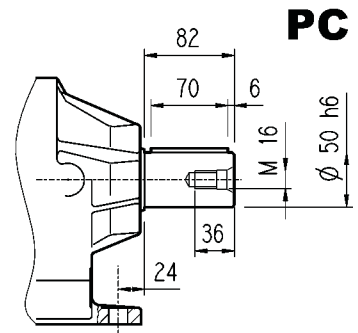
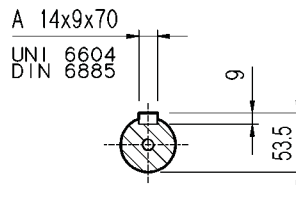
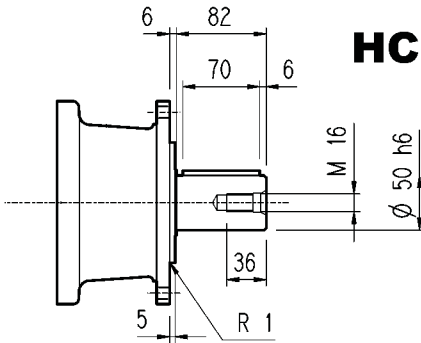
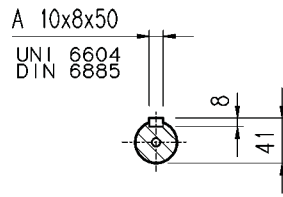
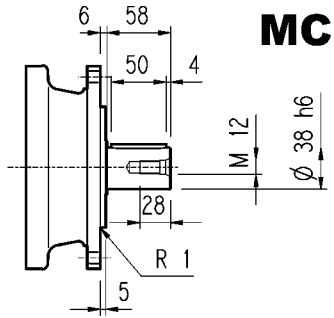
COPPIA MAX. TRASMISSIBILE
MAX. TRANSMISSIBLE TORQUE
MAX. ÜBERTR. MOMENT
COUPLE MAX. TRANSMISSIBLE

2 400 Nm

	R						P	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									
301 R2	184	184	219	225	122	35	33	37	40	37	A	105	65	1/4G	4	A	10			
301 R3	237	237	272	278	122	39	37	41	44	37	A	105	65	1/4G	4	A	10			
301 R4	290	290	325	331	122	43	41	45	48	37	A	191	105	65	1/4G	4	A	10		

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

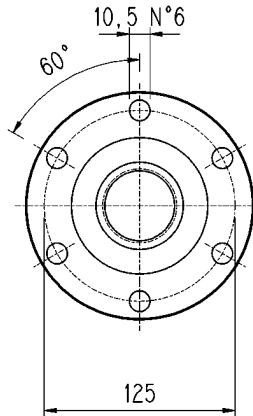
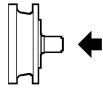
301L - 301R



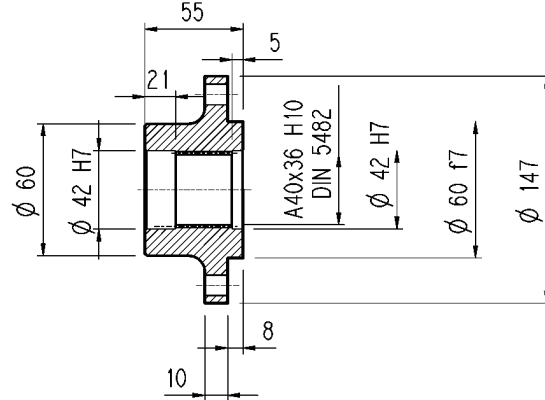
VERSIONE FP	COPPIA MAX. TRASMISSIBILE	2 400 Nm
FP VERSION	MAX. TRASMISSIBILE TORQUE	
VERSION FP	MAX. ÜBERTR. MOMENT	
VERSION FP	COUPLE MAX. TRANSMISSIBLE	

Flangia / Flange
Flansch / Brides

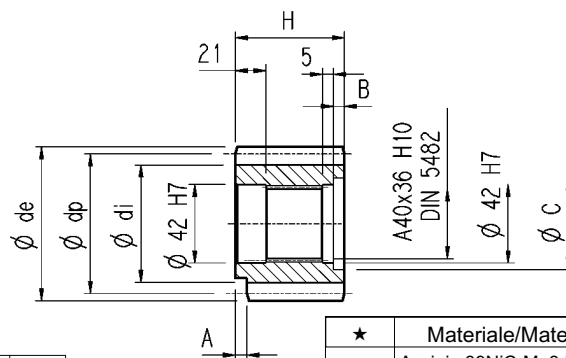
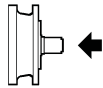
301L - 301R
WOA



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



Pignoni per rotazione / Output pinions
Ritzel / Pignons

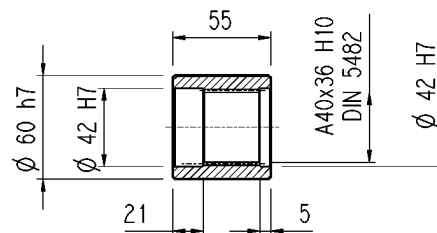
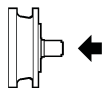


P...

	m	z	x	dp	di	de	H	A	B	C	★
PBE	4.5	14	0.507	63	56	75.5	55	0	0	0	■
PCE	5	14	0.500	70	62.5	84.8	65	0	10	53	■
PDC	6	12	0.250	72	61	84.8	59	14	4	54	■
PDE	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 trempé 18NiCrMo5

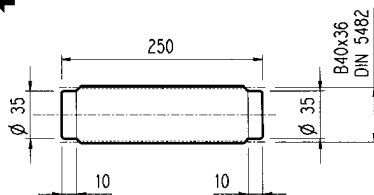
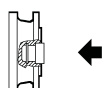
Manicotti lisci / Sleeve couplings
Naben / Manchons lisses a cannelure interieure



MOA

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

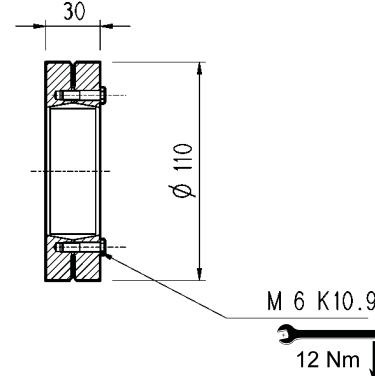
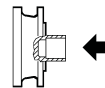
Barre scanalate / Splined bars
Vielkeilwellen / Barre cannelée



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

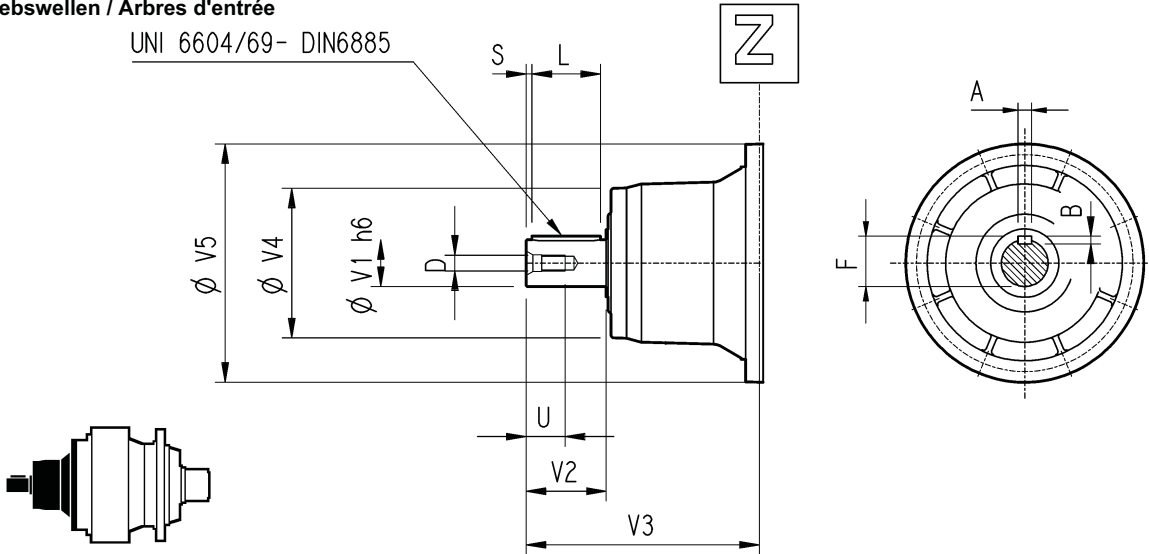


GOA

301L - 301R

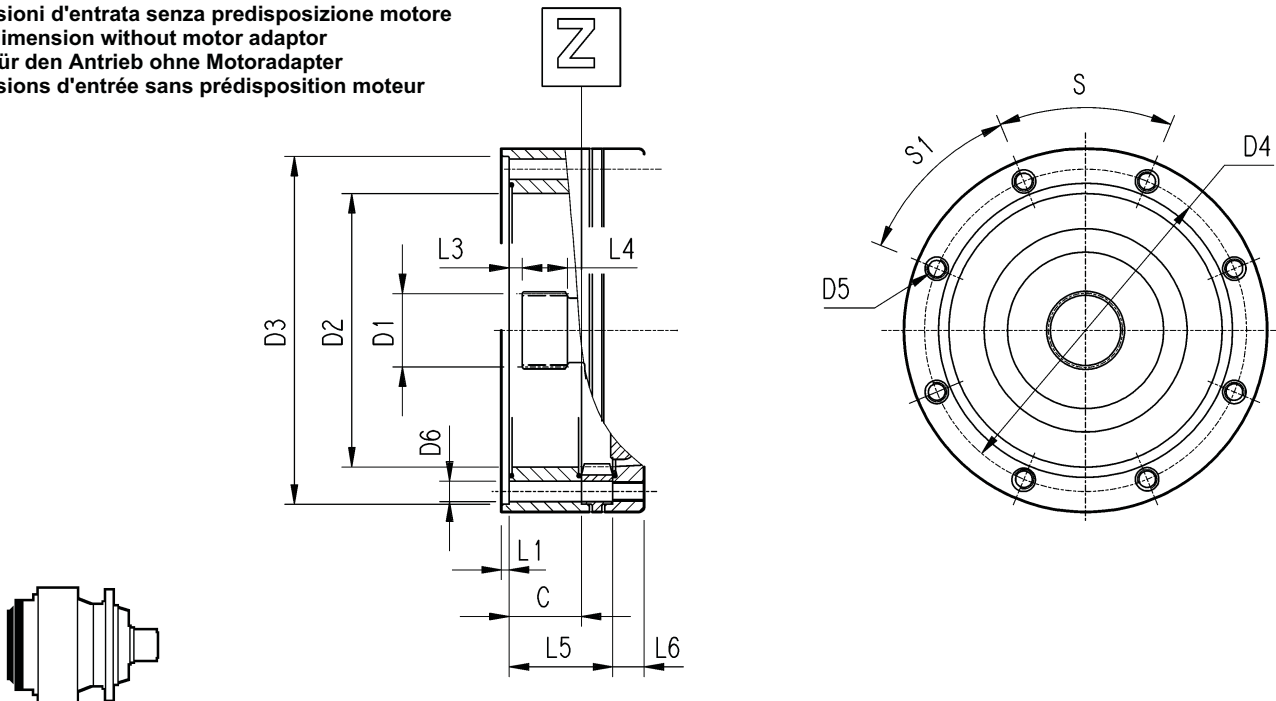
Algeri veloci / Input shaft
Antriebswellen / Arbres d'entrée

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

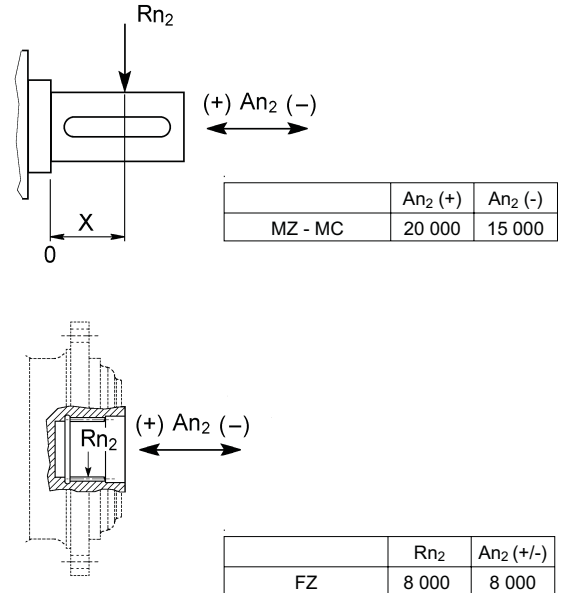
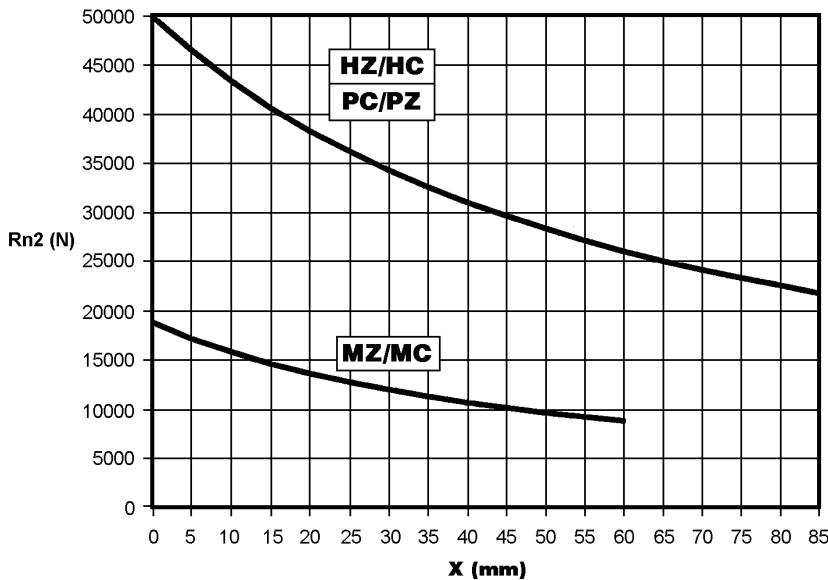
301L - 301R

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



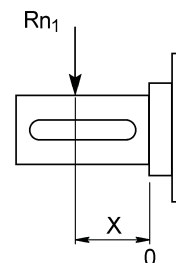
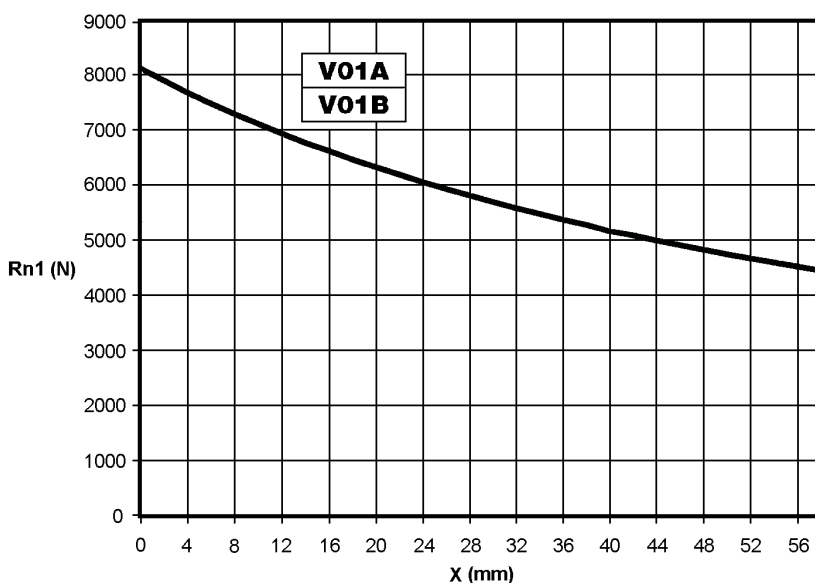
Fattore fh_2 correttivo per carichi sugli alberi Load corrective factor fh_2 on shafts Korrektionsfaktor fh_2 für wellenbelastungen Facteur de correction fh_2 pour charges sur les arbres	$Fh_2 = n_2 \cdot h$						
		10 000	25 000	50 000	100 000	500 000	1 000 000
fh_2	MZ - MC - FZ	1	0.74	0.58	0.46	0.27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