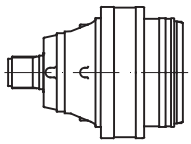
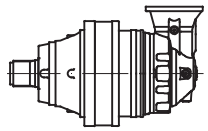
PD 111



	i	T_2 [Nm] $n_2$xh				n_{1max} [min^{-1}]	T_{2max} [Nm]	P_t [kW]
		10 000	20 000	50 000	100 000			
PD 111 S1	3.55	13800	12210	10390	9200	2000	24420	40
	4.28	11860	10500	8940	7910	2000	21000	40
	5.60	9220	8160	6940	6150	2000	16320	40
	6.75	7040	6230	5300	4690	2000	12460	40
	8.66	4980	4410	3750	3320	2000	8820	40
PD 111 S2	13.4	13800	12210	10390	9200	2800	24420	23
	16.2	11860	10500	8940	7910	2800	21000	23
	18.3	13800	12210	10390	9200	2800	24420	23
	22.1	11860	10500	8940	7910	2800	21000	23
	25.7	11860	10500	8940	7910	2800	21000	23
	28.9	9220	8160	6940	6150	2800	16320	23
	33.6	9220	8160	6940	6150	2800	16320	23
	40.5	7040	6230	5300	4690	2800	12460	23
	48.9	7040	6230	5300	4690	2800	12460	23
PD 111 S3	57.5	13800	12210	10390	9200	2800	24420	15
	62.8	13800	12210	10390	9200	2800	24420	15
	75.2	13800	12210	10390	9200	2800	24420	15
	82.1	1380	12210	10390	9200	2800	24420	15
	94.8	11860	10500	8940	7910	2800	21000	15
	109.2	11860	10500	8940	7910	2800	21000	15
	118.4	9220	8160	6940	6150	2800	16320	15
	123.9	11860	10500	8940	7910	2800	21000	15
	129.3	9220	8160	6940	6150	2800	16320	15
	143.9	11860	10500	8940	7910	2800	21000	15
	155.9	9220	8160	6940	6150	2800	16320	15
	173.5	11860	10500	8940	7910	2800	21000	15
	188.1	9220	8160	6940	6150	2800	16320	15
	195.3	9220	8160	6940	6150	2800	16320	15
	209.7	11860	10500	8940	7910	2800	21000	15
	226.8	9220	8160	6940	6150	2800	16320	15
	235.4	7040	6230	5300	4690	2800	12460	15
	274.0	9220	8160	6940	6150	2800	16320	15
	330.3	7040	6230	5300	4690	2800	12460	15
PD 111 S4	351.9	13800	12210	10390	9200	2800	24420	11
	388.5	13800	12210	10390	9200	2800	24420	11
	421.2	13800	12210	10390	9200	2800	24420	11
	440.8	13800	12210	10390	9200	2800	24420	11
	459.9	13800	12210	10390	9200	2800	24420	11
	507.7	13800	12210	10390	9200	2800	24420	11
	531.3	13800	12210	10390	9200	2800	24420	11
	554.4	13800	12210	10390	9200	2800	24420	11
	576.1	13800	12210	10390	9200	2800	24420	11
	611.9	11860	10500	8940	7910	2800	21000	11
	640.4	11860	10500	8940	7910	2800	21000	11
	724.4	9220	8160	6940	6150	2800	16320	11
	806.3	11860	10500	8940	7910	2800	21000	11
	907.3	9220	8160	6940	6150	2800	16320	11
	1008.7	11860	10500	8940	7910	2800	21000	11
	1093.6	9220	8160	6940	6150	2800	16320	11
	1270.1	9220	8160	6940	6150	2800	16320	11
	1530.9	9220	8160	6940	6150	2800	16320	11
	1849.8	9220	8160	6940	6150	2800	16320	11
	2229.7	7040	6230	5300	4690	2800	12460	11

PDA 111



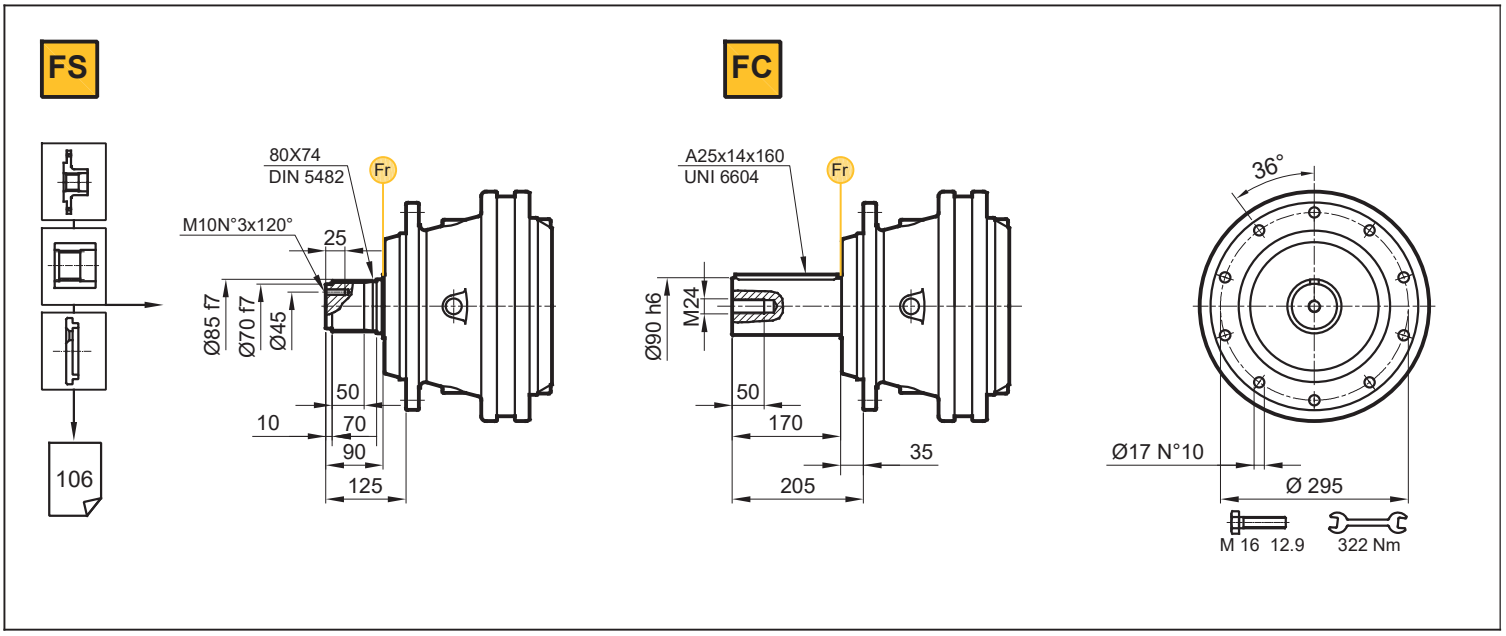
	i	T_2 [Nm] $n_2$xh				n_{1max} [min^{-1}]	T_{2max} [Nm]	P_t [kW]
		10 000	20 000	50 000	100 000			
PDA 111 S2	9.9	13800	12210	10390	9200	2800	24420	23
	11.9	11860	10500	8940	7910	2800	21000	23
	15.2	13800	12210	10390	9200	2800	24420	23
	18.4	11860	10500	8940	7910	2800	21000	23
	24.0	9220	8160	6940	6150	2800	16320	23
	28.9	7040	6230	5300	4690	2800	12460	23
PDA 111 S3	33.7	13800	12210	10390	9200	2800	24420	15
	37.2	11860	10500	8940	7910	2800	21000	15
	40.7	11860	10500	8940	7910	2800	21000	15
	42.3	13800	12210	10390	9200	2800	24420	15
	46.2	13800	12210	10390	9200	2800	24420	15
	50.5	13800	12210	10390	9200	2800	24420	15
	55.7	11860	10500	8940	7910	2800	21000	15
	60.8	11860	10500	8940	7910	2800	21000	15
	66.6	9220	8160	6940	6150	2800	16320	15
	79.5	9220	8160	6940	6150	2800	16320	15
	88.4	11860	10500	8940	7910	2800	21000	15
	99.5	9220	8160	6940	6150	2800	16320	15
	106.9	11860	10500	8940	7910	2800	21000	15
	115.6	9220	8160	6940	6150	2800	16320	15
	139.7	9220	8160	6940	6150	2800	16320	15
PDA 111 S4	152.8	13800	12210	10390	9200	2800	24420	11
	168.6	13800	12210	10390	9200	2800	24420	11
	184.1	13800	12210	10390	9200	2800	24420	11
	191.4	13800	12210	10390	9200	2800	24420	11
	203.2	11860	10500	8940	7910	2800	21000	11
	220.4	13800	12210	10390	9200	2800	24420	11
	230.6	13800	12210	10390	9200	2800	24420	11
	240.6	13800	12210	10390	9200	2800	24420	11
	265.7	13800	12210	10390	9200	2800	24420	11
	278.0	11860	10500	8940	7910	2800	21000	11
	290.1	13800	12210	10390	9200	2800	24420	11
	301.4	13800	12210	10390	9200	2800	24420	11
	320.2	11860	10500	8940	7910	2800	21000	11
	349.6	11860	10500	8940	7910	2800	21000	11
	363.3	13800	12210	10390	9200	2800	24420	11
	379.0	9220	8160	6940	6150	2800	16320	11
	390.0	11860	10500	8940	7910	2800	21000	11
	411.1	11860	10500	8940	7910	2800	21000	11
	437.9	11860	10500	8940	7910	2800	21000	11
	474.7	9220	8160	6940	6150	2800	16320	11
	508.5	11860	10500	8940	7910	2800	21000	11
	550.7	7040	6230	5300	4690	2800	12640	11
	614.4	11860	10500	8940	7910	2800	21000	11
	664.5	9220	8160	6940	6150	2800	16320	11
	734.7	9220	8160	6940	6150	2800	16320	11
	801.0	7040	6230	5300	4690	2800	12640	11
	885.6	7040	6230	5300	4690	2800	12640	11
	967.9	7040	6230	5300	4690	2800	12640	11

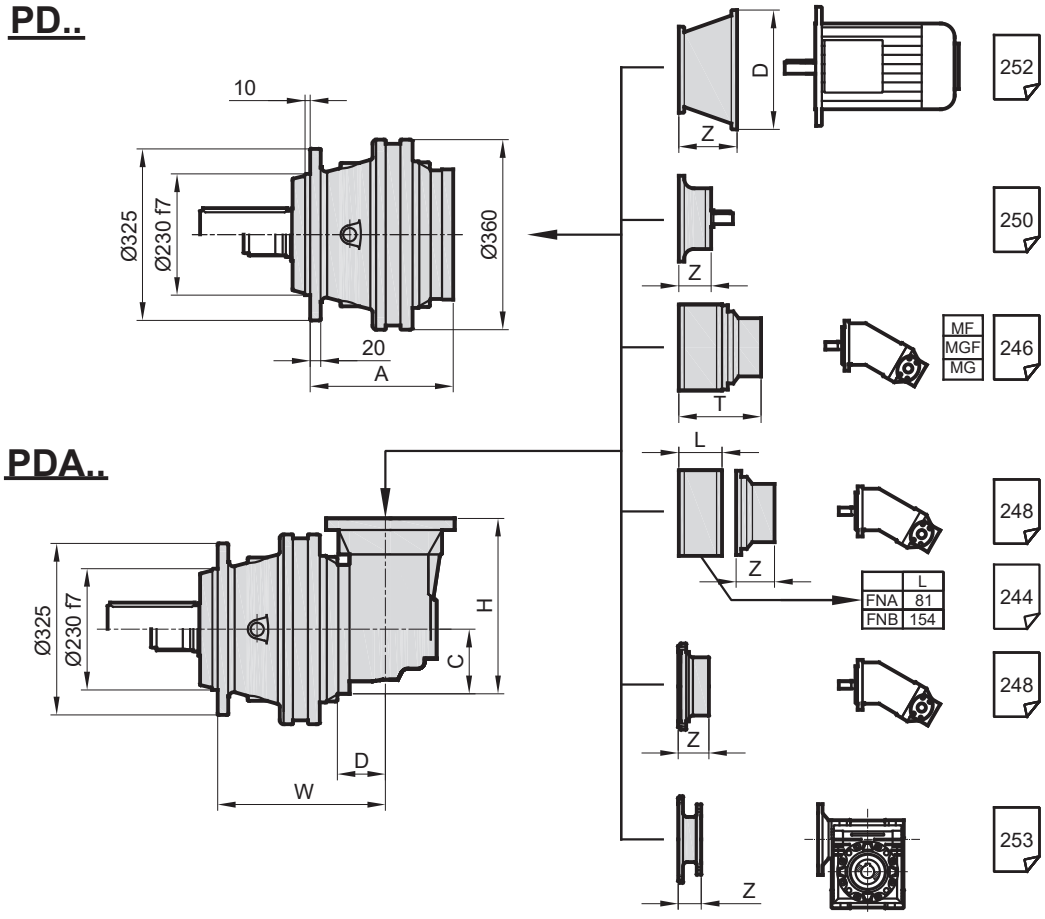
⚠ $(n_2 \times h = 20000)$

$T_{2max} = T_2 \times 2$

R01-2020

PD/PDA 111



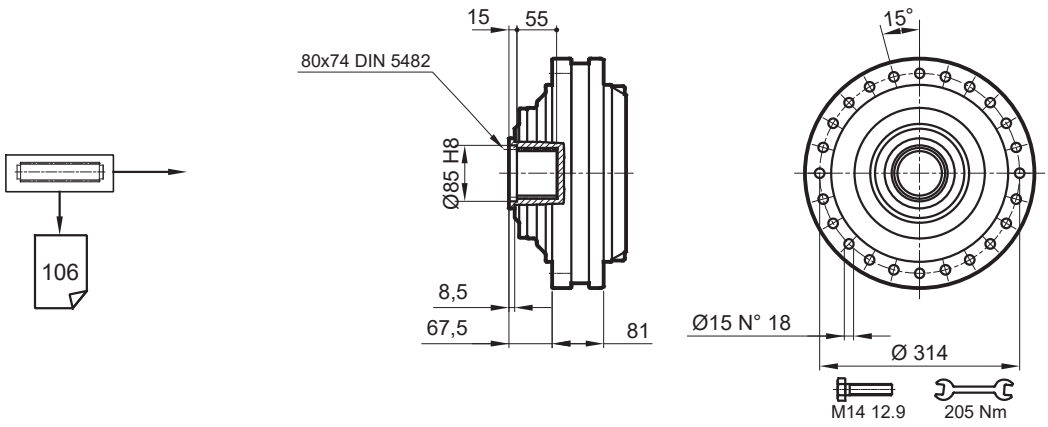


Stage	W	D	C	H	A	PD F	PDA F
S1	-	-	-	-	226	96	-
S2	298	121	172,5	457	298	112	157
S3	364,5	103	122	319	359	121	140
S4	436	75	92,5	253,5	407	127	138

	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

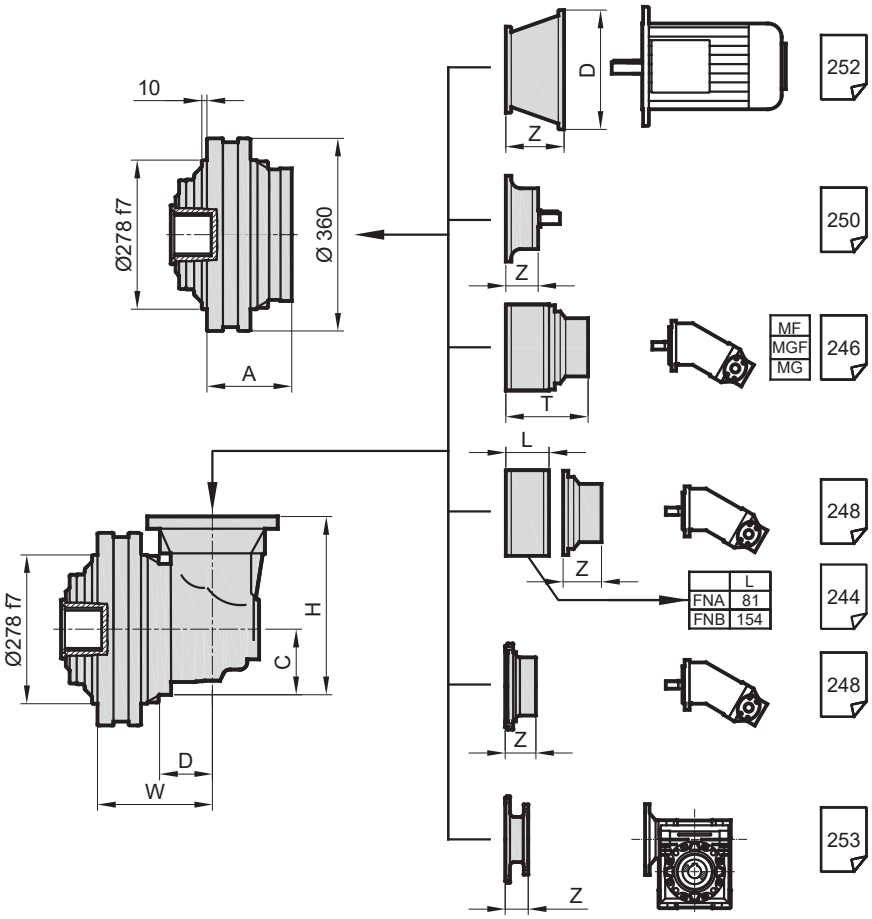
PD/PDA 111

S



PD..

PDA..

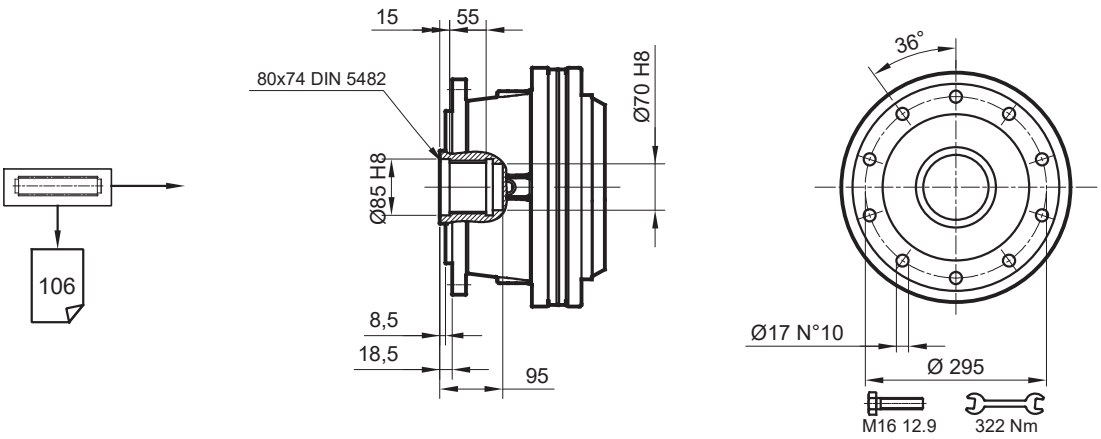


Stage	W	D	C	H	A	PD S	PDA S
S1	-	-	-	-	112	60	-
S2	184	121	172,5	457	184	76	121
S3	249	103	122	319	245	84	104
S4	320	75	92,5	253,5	293	91	102

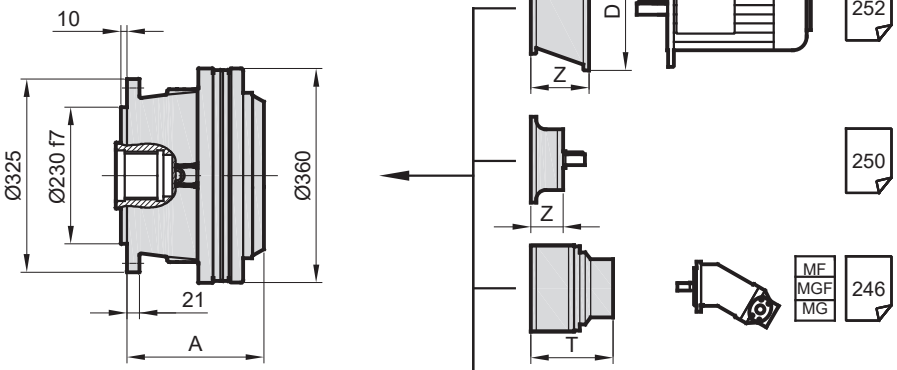
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

PD/PDA 111

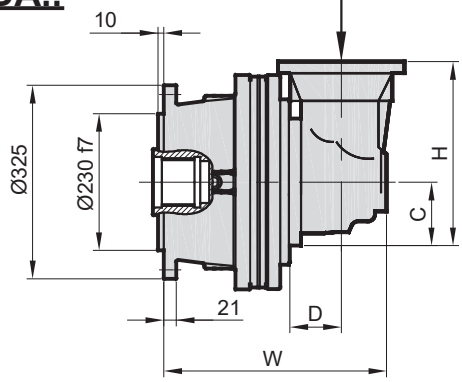
SF



PD..



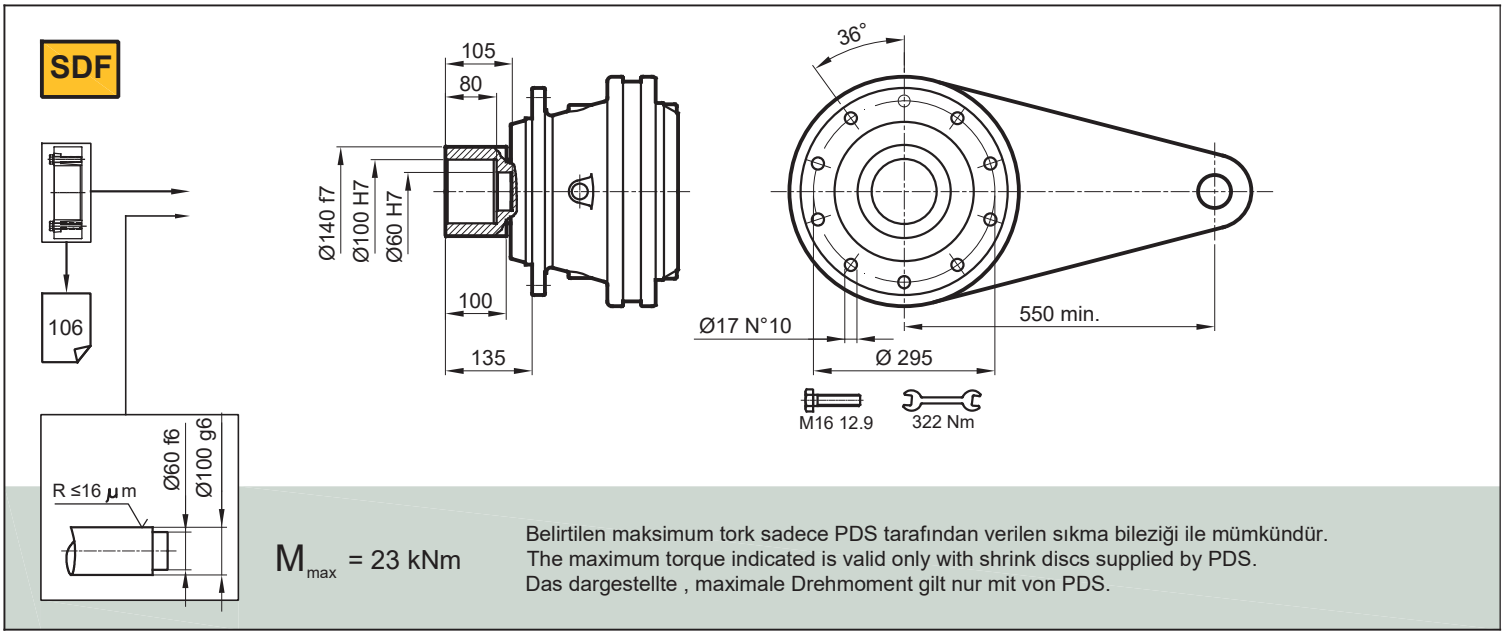
PDA..



Stage	W	D	C	H	A	PD SF	PDA SF
S1	-	-	-	-	226,5	81	-
S2	298,5	121	172,5	457	298,5	98	143
S3	363,5	103	122	319	359,5	106	126
S4	435	75	92,5	253,5	407,5	112	123

	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

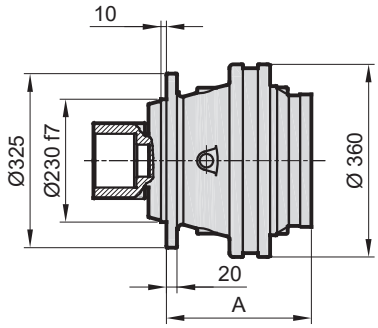
PD/PDA 111



M_{max} = 23 kNm

Belirtilen maksimum tork sadece PDS tarafından verilen sıkma bileziği ile mümkündür.
The maximum torque indicated is valid only with shrink discs supplied by PDS.
Das dargestellte , maximale Drehmoment gilt nur mit von PDS.

PD..



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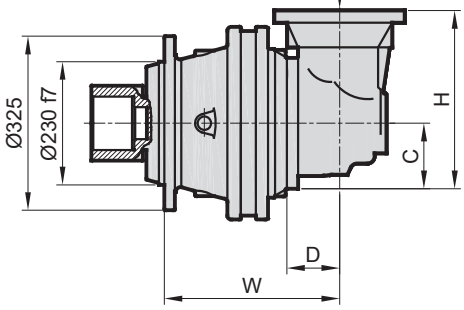
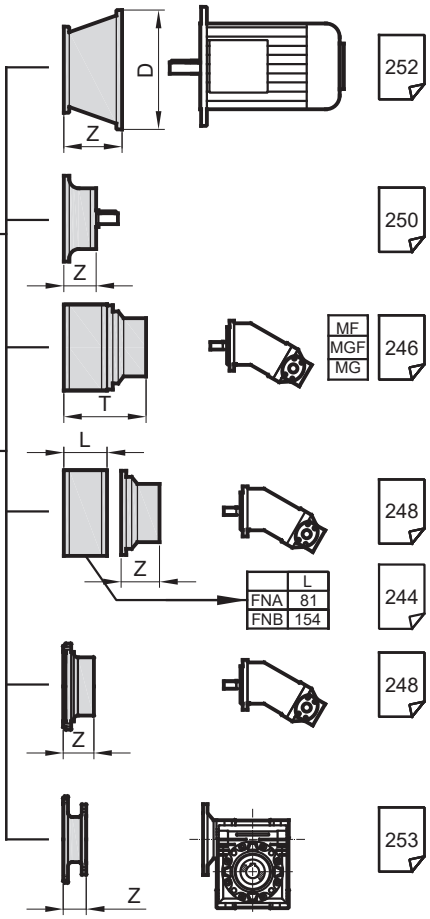


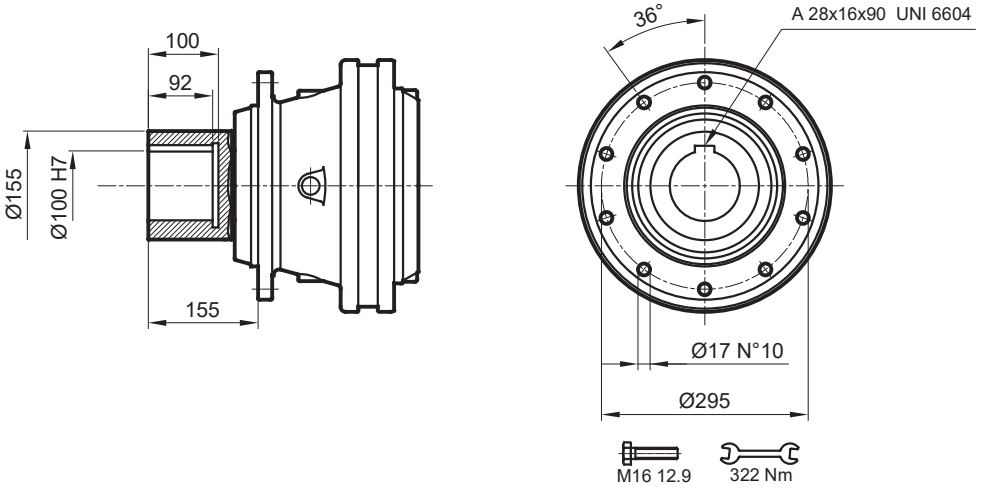


Stage	W	D	C	H	A	PD SDF	PDA SDF
S1	-	-	-	-	226	91	-
S2	298	121	172,5	457	298	107	152
S3	364,5	103	122	319	359	115	135
S4	436	75	92,5	253,5	407	122	133

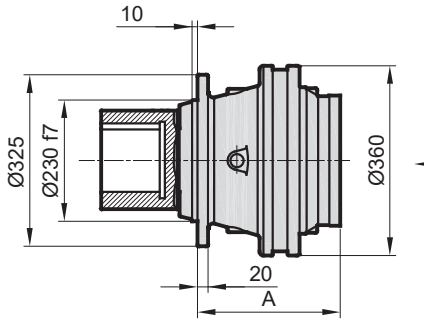
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

PD/PDA 111

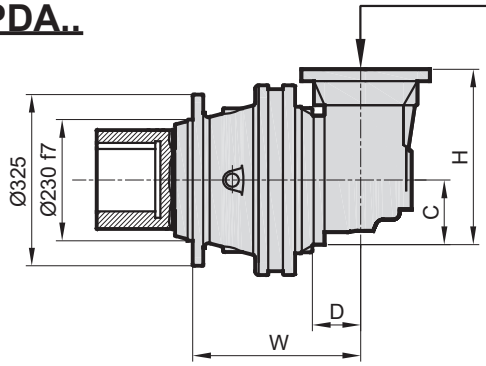
DKM

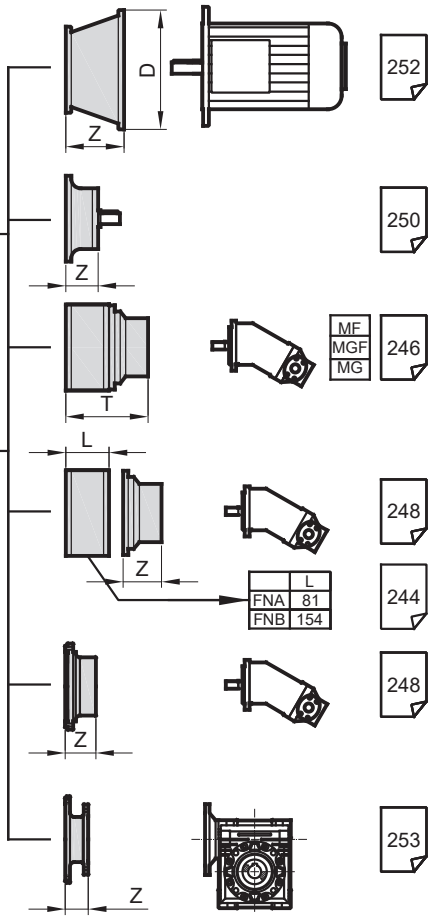


PD..



PDA..

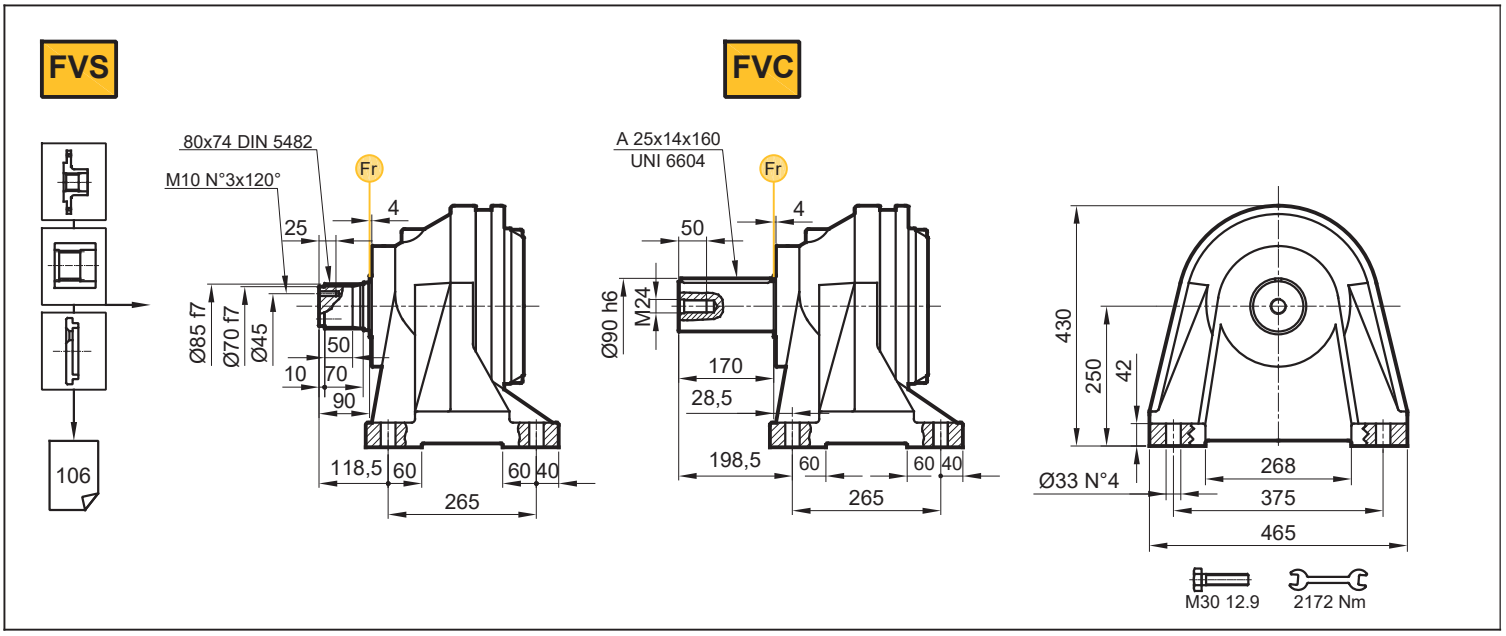




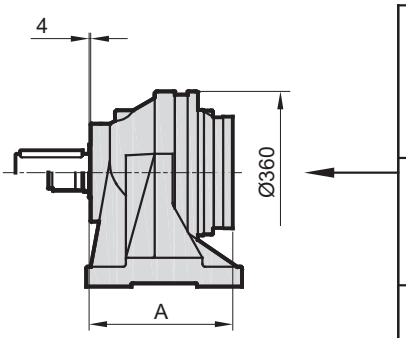
Stage	W	D	C	H	A	PD DKM	PDA DKM
S1	-	-	-	-	226	95	-
S2	298	121	172,5	457	298	111	157
S3	364,5	103	122	319	359	119	139
S4	436	75	92,5	253,5	407	126	137

	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

PD/PDA 111



PD..



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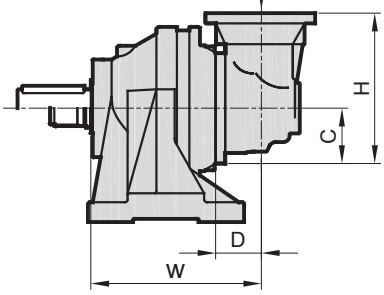
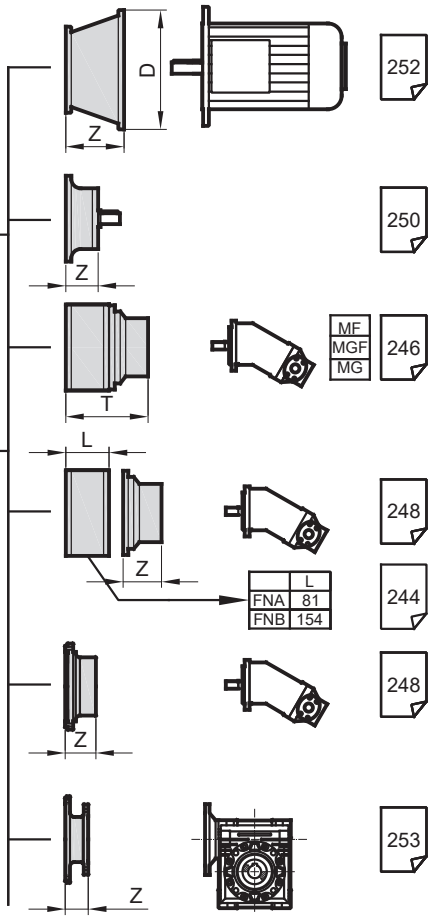


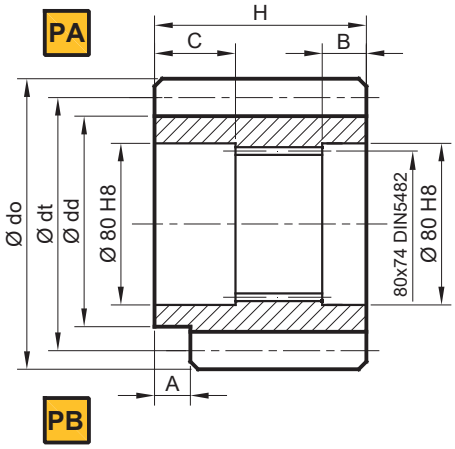


Stage	W	D	C	H	A	PD FVC	PDA FVC
S1	-	-	-	-	272	152	-
S2	344	121	172,5	457	344	168	213
S3	409	103	122	319	405	176	196
S4	480	75	92,5	253,5	453	183	194

	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120,5	400	148,5	450	148,5	550	183,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5	400	148,5	450	148,5	-	-
S3	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-
S4	185	35,5	201	61,5	247	71	300	104	350	120,5	-	-	-	-	-	-

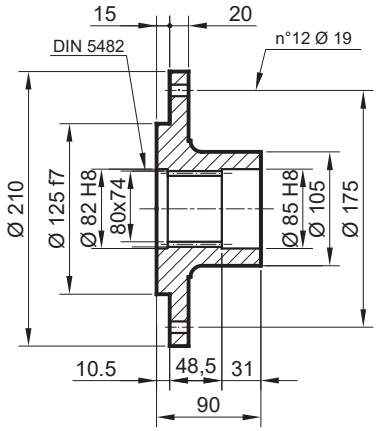
PD/PDA 111

P *Pinyon / Pinion / Ritzel*

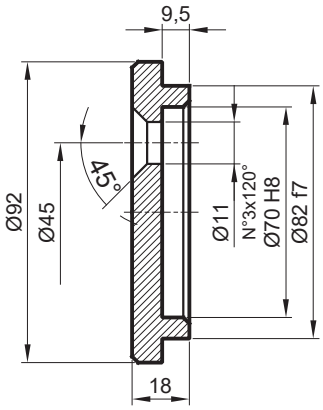


	m	z	x	dt	dd	do	H	A	B	C	Malzeme Material Material
PA	10	12	0	120	95	140	90	0	10	31	42CrMo4
PA	10	14	0	140	95	160	90	0	10	31	42CrMo4
PB	12	14	2,5	168	135,5	194,5	90	25	25	31	42CrMo4

FL Flanş / *Flange* / Flansch

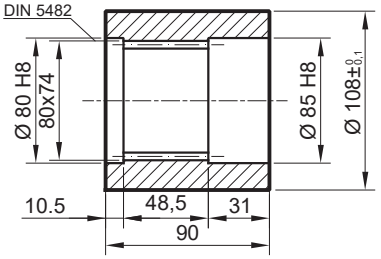


SP Sabitleme Pulu / *Stop bottom plate* / Endscheibe

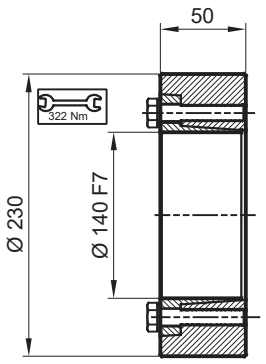


FK Frezeli Kaplin / *Spined bushing* Innenverzahnte Buchse

Malzeme /*Material* Material
DIN 1.7225
42CrMo4

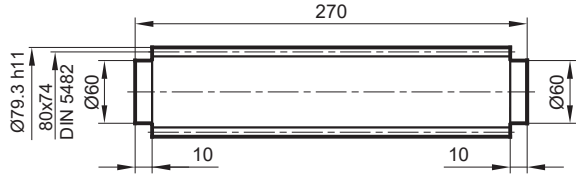


SB Sıkma Bileziği / Shrink disc Schrumpfscheibe



Maksimum tork
Max. torque
Max.Drehmoment
23 kNm

FM Frezeli Mil / Splined rod Außenverzahnte Welle



Malzeme / Material
Material

DIN 1.7225 / 42CrMo4
Sertleştirilmiş ve Temperlenmiş
Hardened and Tempered
Vergütet

R01-2020

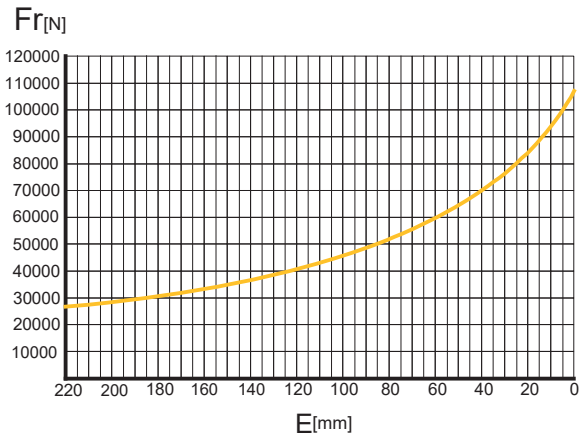
PD/PDA 111

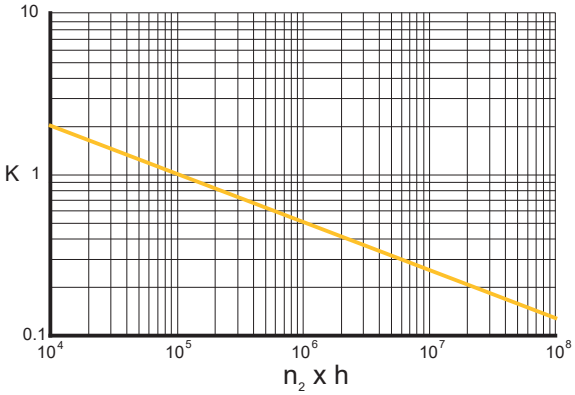
RADYAL YÜK(Fr)
Aşağıdaki diyagramlar radyal yükleri ve k faktörlerini arzu edilen n_2x h değerlerinde verir.

RADIAL LOADS(Fr)
The following curves show the radial loads and the K factors to obtain the required n_2x h value.

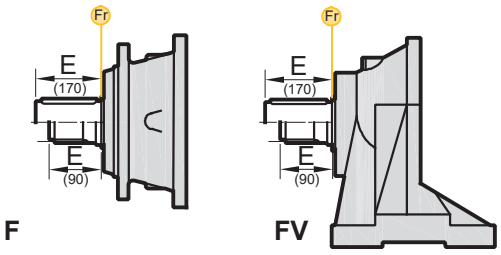
RADIALLAST (Fr)
In den nachstehenden Diagrammen ist die Radiallast und der Koeffizient K dargestellt und kann mit dem gewünschten Wert n_2x h verglichen werden.

F-FV





	nxh				
	10^5	10^4	10^6	10^7	10^8
F	Fr	Fr . K			
FV	Fr .0,75	Fr . K . 0,75			



AKSİYEL YÜKLER (Fa)
Tablodaki aksiyel yük değerleri çıkış tipi ve tatbik edilen yük yönünde verilmiştir.

AXIAL LOADS (Fa)
The values of the axial loads in the table refer to the output versions and load directions of application.

AXIALLAST (Fa)
Die dargestellten Werte der Axiallast basieren auf der Version und der applizierten Lastrichtung.

Fa [N]	F	FV	
	40000	40000	←
	65000	65000	→