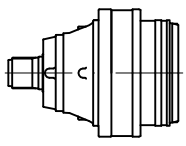
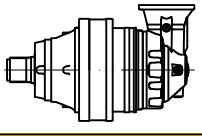


# PD 113

	i	T <sub>2</sub> [Nm]				n <sub>1max</sub> [min <sup>-1</sup> ]	T <sub>2max</sub> [Nm]	P <sub>t</sub> [kW]
		n <sub>2xh</sub>						
		10 000	20 000	50 000	100 000			
PD 113 S1	3.55	20360	18020	15330	13570	2000	36040	40
	4.28	17740	15700	13360	11830	2000	31400	40
	5.60	13570	12010	10220	9050	2000	24020	40
	6.75	10320	9130	7770	6880	2000	18260	40
PD 113 S2	13.4	20360	18020	15330	13570	2000	36040	40
	16.1	17740	15700	13360	11830	2800	31400	23
	22.1	17740	15700	13360	11830	2800	31400	23
	28.9	13570	12010	10220	9050	2800	24020	23
	33.6	13570	12010	10220	9050	2800	24020	23
	40.5	10320	9130	7770	6880	2800	18260	23
	48.9	10320	9130	7770	6880	2800	18260	23
PD 113 S3	57.5	20360	18020	15330	13570	2800	36040	23
	62.8	20360	18020	15330	13570	2800	36040	23
	75.2	20360	18020	15330	13570	2800	36040	23
	82.1	20360	18020	15330	13570	2800	36040	23
	94.8	17740	15700	13360	11830	2800	31400	15
	109.2	17740	15700	13360	11830	2800	31400	15
	118.4	13570	12010	10220	9050	2800	24020	15
	123.9	17740	15700	13360	11830	2800	31400	15
	129.3	13570	12010	10220	9050	2800	24020	15
	143.9	13570	12010	10220	9050	2800	24020	15
	155.9	13570	12010	10220	9050	2800	24020	15
	188.1	13570	12010	10220	9050	2800	24020	15
	195.2	13570	12010	10220	9050	2800	24020	15
	209.7	10320	9130	7770	6880	2800	18260	15
	226.8	13570	12010	10220	9050	2800	24020	15
	235.4	10320	9130	7770	6880	2800	18260	15
	274.0	13570	12010	10220	9050	2800	24020	15
	330.3	10320	9130	7770	6880	2800	18260	15
PD 113 S4	351.9	20360	18020	15330	13570	2800	36040	15
	388.5	20360	18020	15330	13570	2800	36040	15
	421.2	20360	18020	15330	13570	2800	36040	15
	440.8	17740	15700	13360	11830	2800	31400	11
	459.9	20360	18020	15330	13570	2800	36040	11
	507.7	20360	18020	15330	13570	2800	36040	11
	531.4	17740	15700	13360	11830	2800	31400	11
	554.3	20360	18020	15330	13570	2800	36040	11
	576.0	13570	12010	10220	9050	2800	24020	11
	611.9	17740	15700	13360	11830	2800	31400	11
	640.5	17740	15700	13360	11830	2800	31400	11
	724.4	13570	12010	10220	9050	2800	24020	11
	806.4	13570	12010	10220	9050	2800	24020	11
	907.3	13570	12010	10220	9050	2800	24020	11
	1008.8	17740	15700	13360	11830	2800	31400	11
	1093.6	13570	12010	10220	9050	2800	24020	11
	1270.0	13570	12010	10220	9050	2800	24020	11
	1530.9	13570	12010	10220	9050	2800	24020	11
	1849.8	13570	12010	10220	9050	2800	24020	11
2229.7	10320	9130	7770	6880	2800	18260	11	

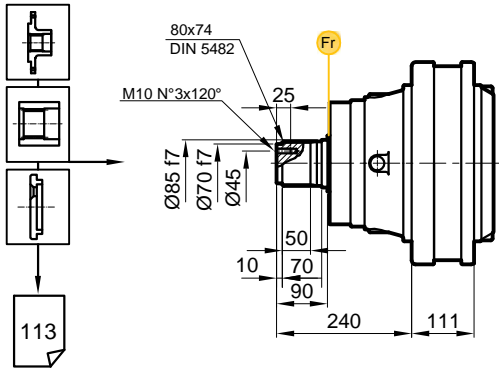
# PDA 113



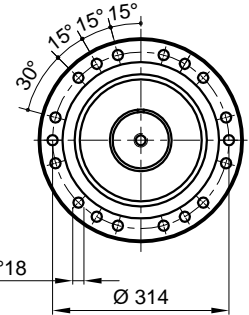
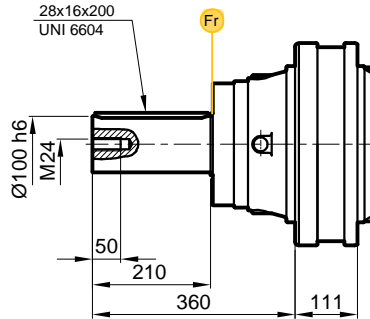
	i	T <sub>2</sub> [Nm]				n <sub>1max</sub> [min <sup>-1</sup> ]	T <sub>2max</sub> [Nm]	P <sub>t</sub> [kW]
		n <sub>2xh</sub>						
		10 000	20 000	50 000	100 000			
<b>PDA 113 S2</b>	12.2	20360	18020	15330	13570	2800	36040	23
	14.8	17740	15700	13360	11830	2800	31400	23
	19.3	13570	12010	10220	9050	2800	24020	23
	23.3	10320	9130	7770	6880	2800	18260	23
	30.4	13570	12010	10220	9050	2800	24020	23
	36.7	10320	9130	7770	6880	2800	18260	23
<b>PDA 113 S3</b>	46.4	20360	18020	15330	13570	2800	36040	15
	50.6	20360	18020	15330	13570	2800	36040	15
	61.0	17740	15700	13360	11830	2800	31400	15
	76.5	17740	15700	13360	11830	2800	31400	15
	88.8	17740	15700	13360	11830	2800	31400	15
	96.2	17740	15700	13360	11830	2800	31400	15
	116.0	13570	12010	10220	9050	2800	24020	15
	120.5	17740	15700	13360	11830	2800	31400	15
	125.7	13570	12010	10220	9050	2800	24020	15
	139.9	17740	15700	13360	11830	2800	31400	15
	157.5	13570	12010	10220	9050	2800	24020	15
	182.9	13570	12010	10220	9050	2800	24020	15
	221.0	13570	12010	10220	9050	2800	24020	15
	226.4	10320	9130	7770	6880	2800	18260	15
<b>PDA 113 S4</b>	140.0	20360	18020	15330	13570	2800	36040	11
	168.8	20360	18020	15330	13570	2800	36040	11
	184.3	17740	15700	13360	11830	2800	31400	11
	203.5	17740	15700	13360	11830	2800	31400	11
	230.9	17740	15700	13360	11830	2800	31400	11
	240.9	13570	12010	10220	9050	2800	24020	11
	290.4	17740	15700	13360	11830	2800	31400	11
	301.7	13570	12010	10220	9050	2800	24020	11
	320.6	17740	15700	13360	11830	2800	31400	11
	347.5	13570	12010	10220	9050	2800	24020	11
	379.4	13570	12010	10220	9050	2800	24020	11
	418.8	13570	12010	10220	9050	2800	24020	11
	457.3	13570	12010	10220	9050	2800	24020	11
	510.3	13570	12010	10220	9050	2800	24020	11
	551.9	13570	12010	10220	9050	2800	24020	11
	665.2	13570	12010	10220	9050	2800	24020	11
	803.8	13570	12010	10220	9050	2800	24020	11
968.9	10320	9130	7770	6880	2800	18260	11	

# PD/PDA 113

**MS**

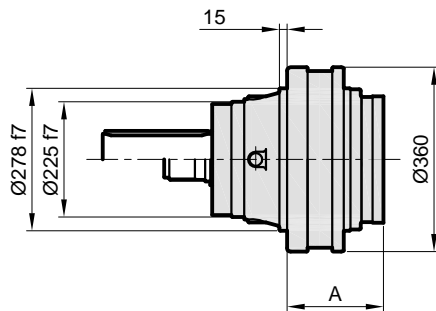


**MC**

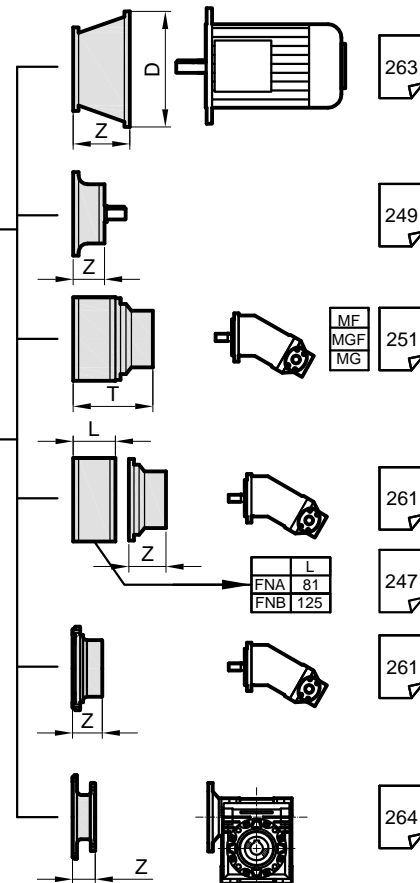
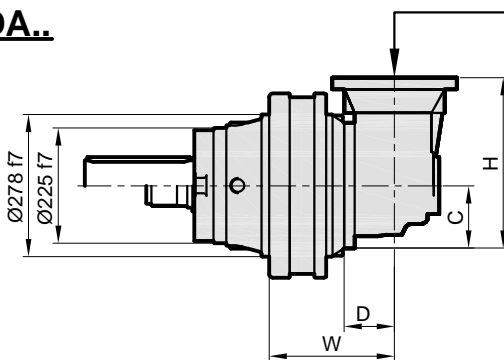


M 14 12.9      261 Nm

**PD..**



**PDA..**

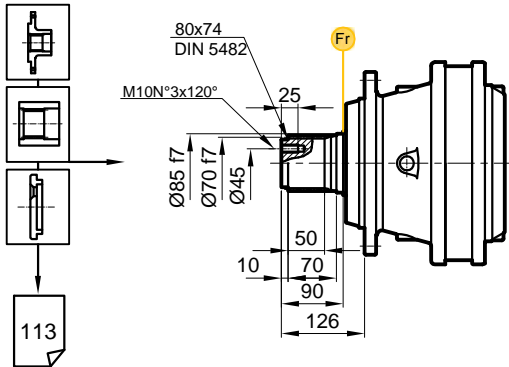


Stage	W	D	C	H	A	PD M	PDA M
S1	-	-	-	-	142	105	-
S2	230	88	140	380	213,5	121	142
S3	315	88	140	380	274,5	129	161
S4	349,5	75	93	252	322,5	135	144

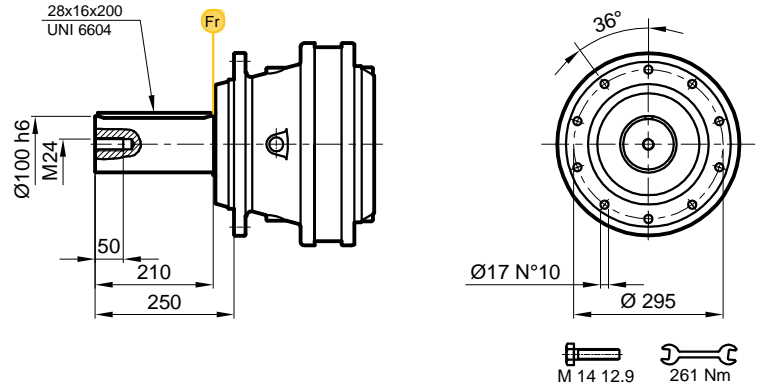
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

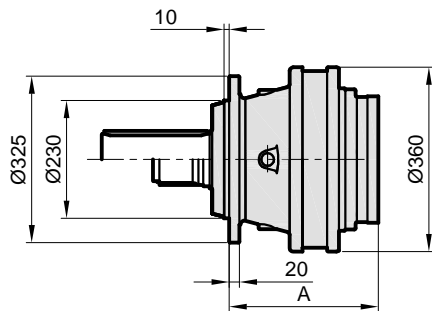
**FS**



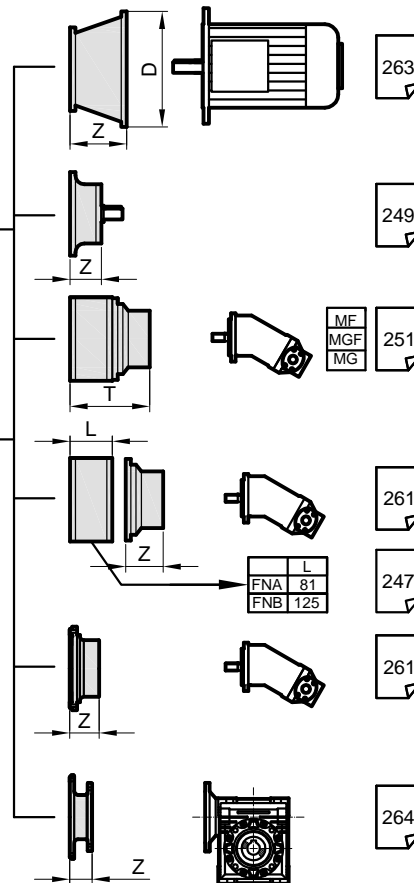
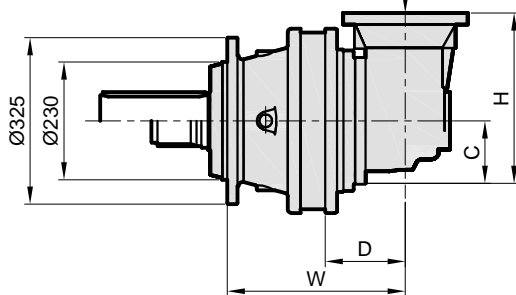
**FC**



**PD..**



**PDA..**

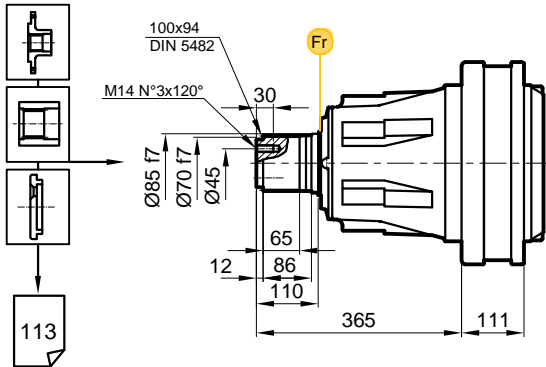


Stage	W	D	C	H	A	PD F	PDA F
S1	-	-	-	-	260	120	-
S2	348	88	140	380	331,5	136	157
S3	433	88	140	380	392,5	144	176
S4	467,5	75	93	252	440,5	150	159

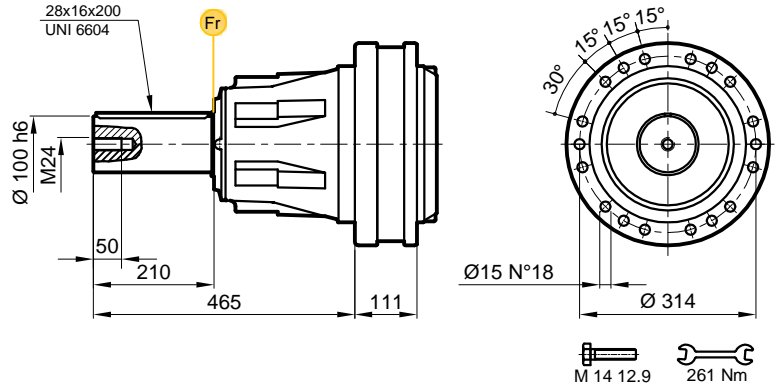
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

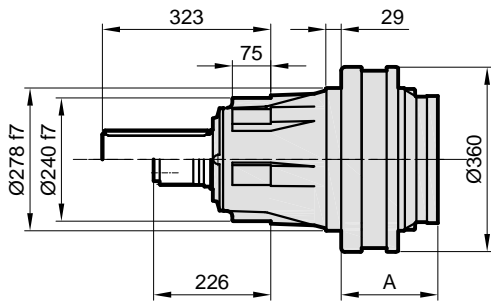
**HS**



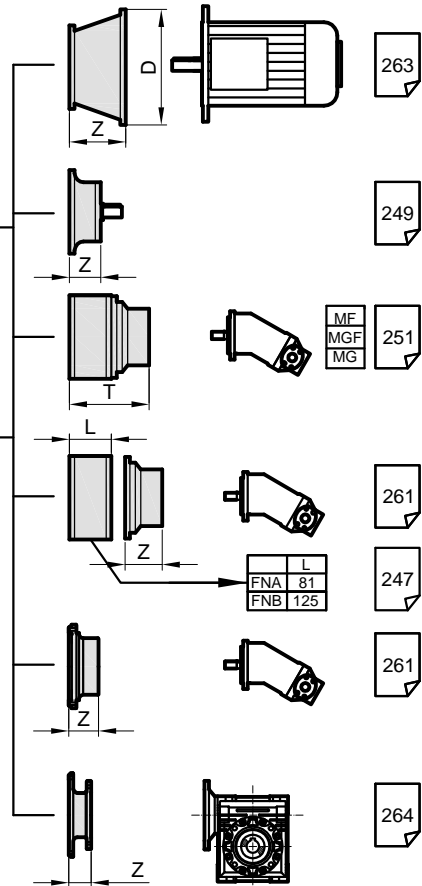
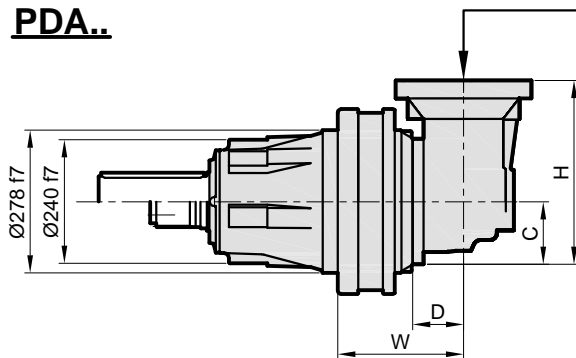
**HC**



**PD..**



**PDA..**

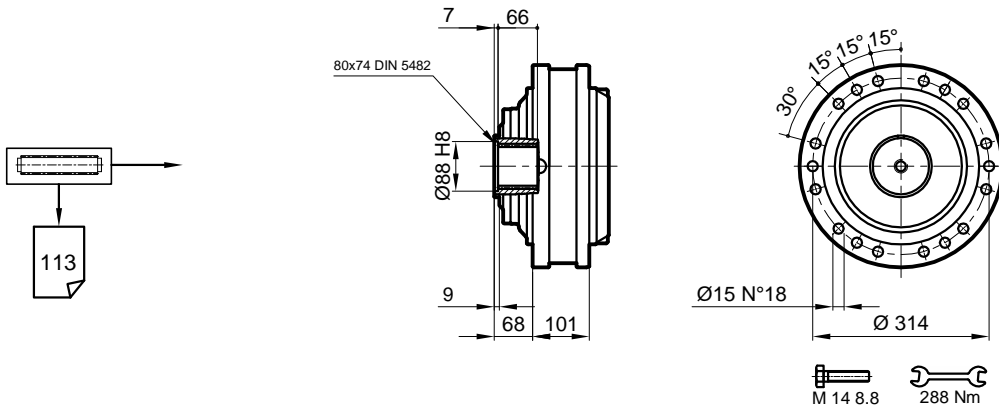


Stage	W	D	C	H	A	PD H	PDA H
S1	-	-	-	-	142	132	-
S2	230	88	140	380	213,5	148	169
S3	315	88	140	380	274,5	156	188
S4	349,5	75	93	252	322,5	162	171

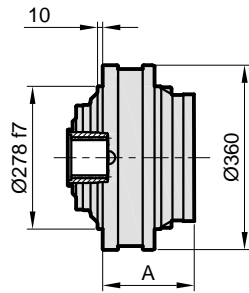
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

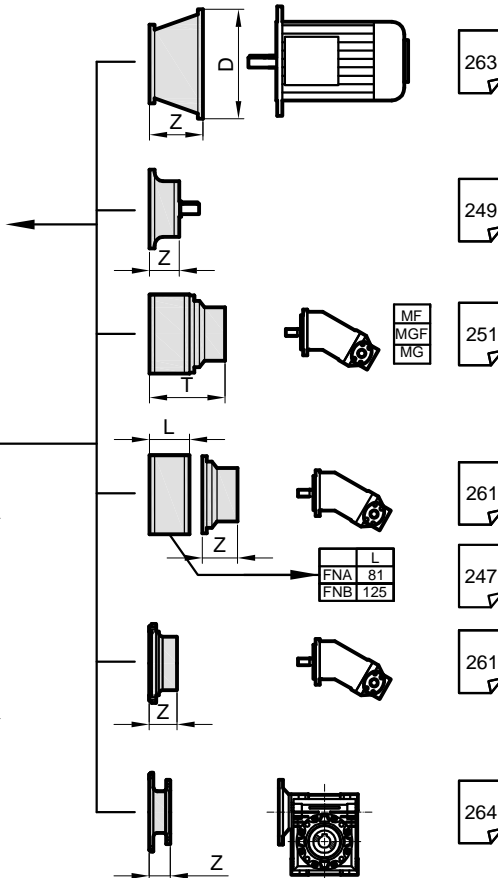
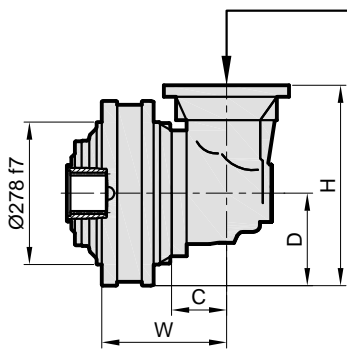
**S**



**PD..**



**PDA..**

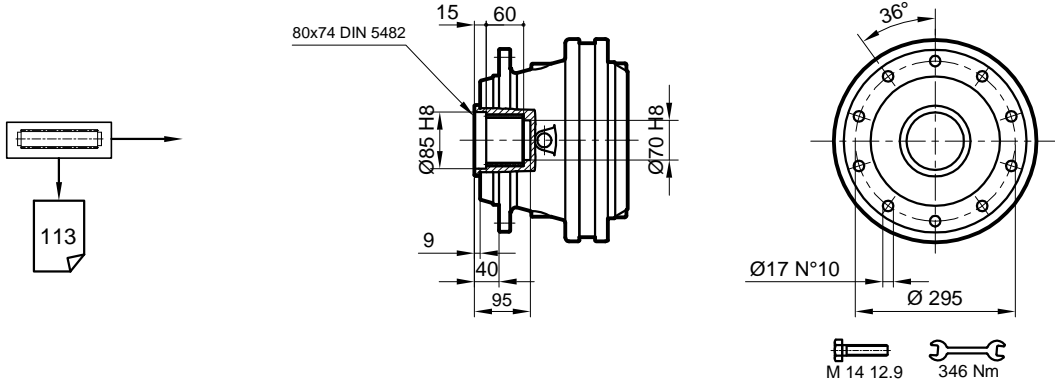


Stage	W	D	C	H	A	PD S	PDA S
S1	-	-	-	-	132	74	-
S2	220	88	140	380	203.5	90	111
S3	305	88	140	380	264.5	98	130
S4	339.5	75	93	252	312.5	104	113

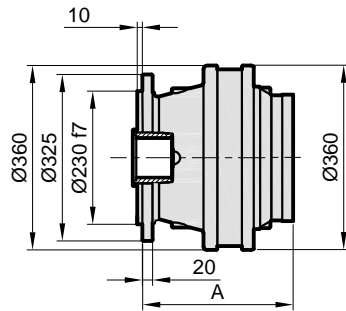
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

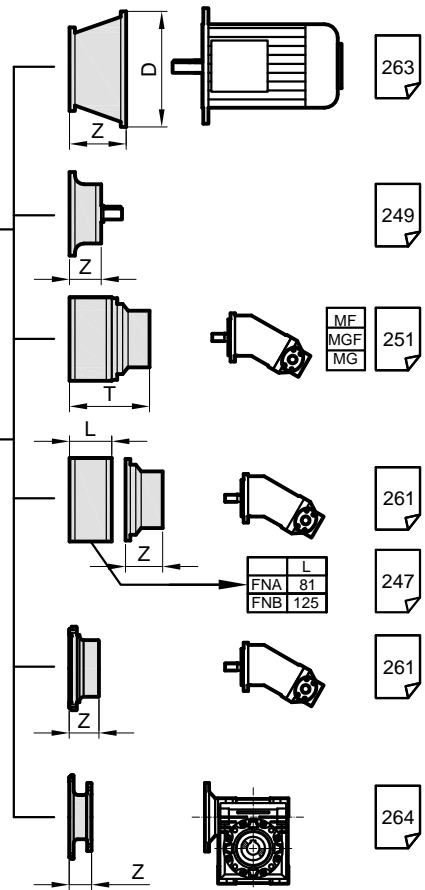
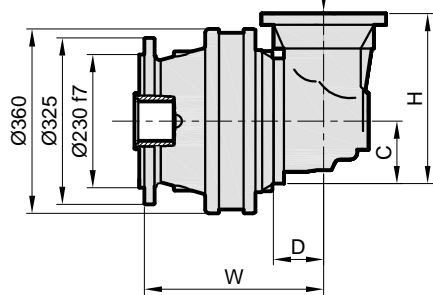
SF



PD..



PDA..

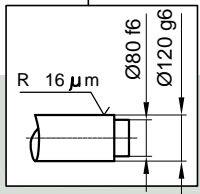
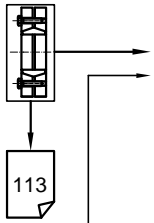


Stage	W	D	C	H	A	PD SF	PDA SF
S1	-	-	-	-	142	110	-
S2	230	88	140	380	213,5	126	147
S3	315	88	140	380	274,5	134	166
S4	349,5	75	93	252	322,5	140	149

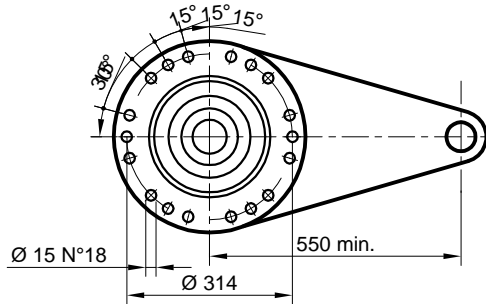
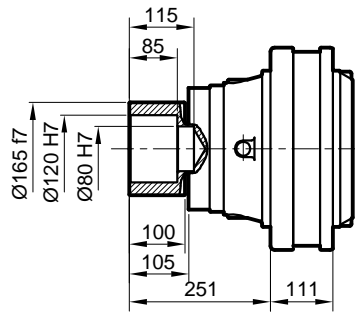
	H71		H80-90		H100		H132		H160-180		H200		H225		H250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

**SD**



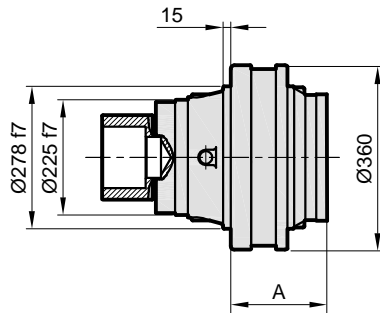
$M_{max} = 35 \text{ kNm}$



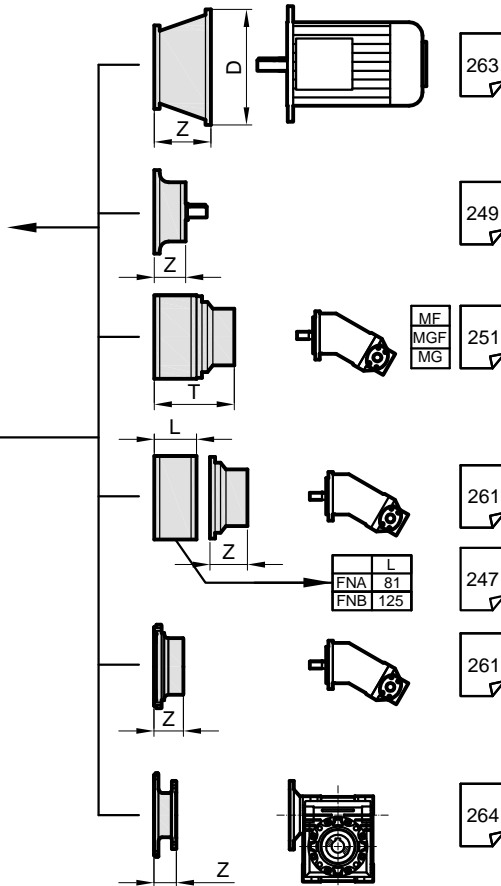
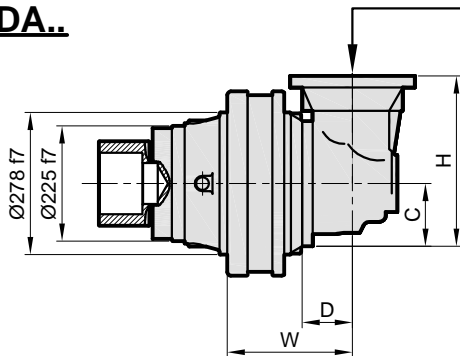
M 14 12.9      261 Nm

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..**



**PDA..**



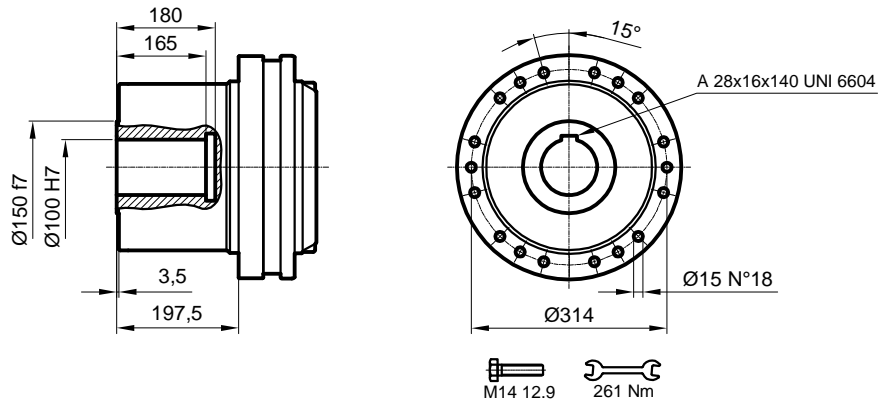
Stage	W	D	C	H	A	PD SD	PDA SD
S1	-	-	-	-	142	110	-
S2	230	88	140	380	213,5	126	147
S3	315	88	140	380	274,5	134	166
S4	349,5	75	93	252	322,5	140	149

	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	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

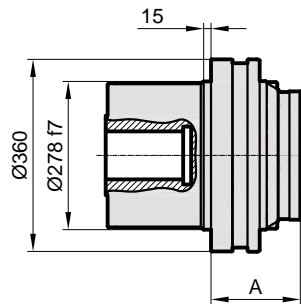


# PD/PDA 113

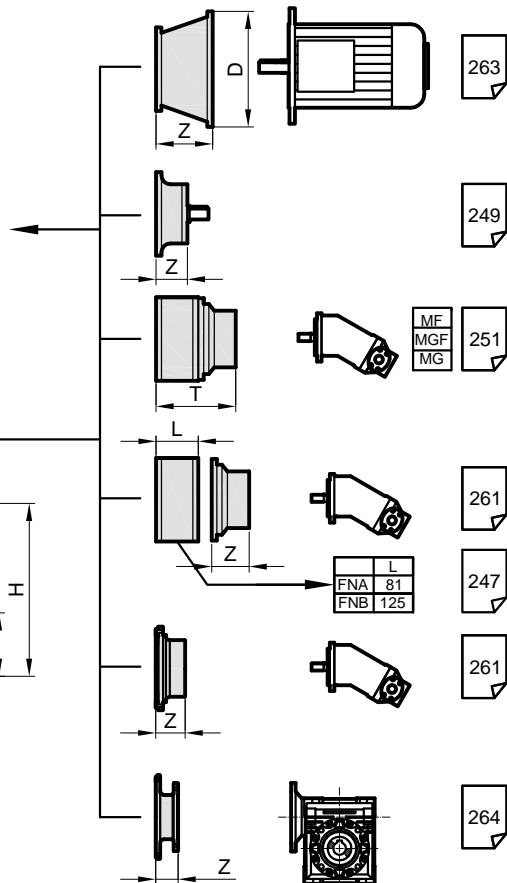
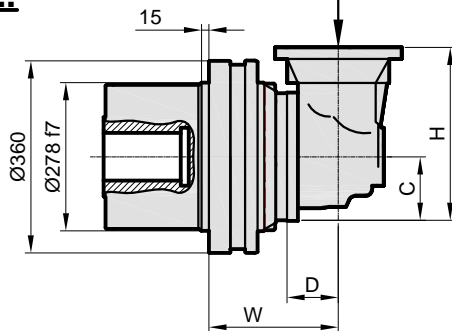
DKM



## PD..



## PDA..



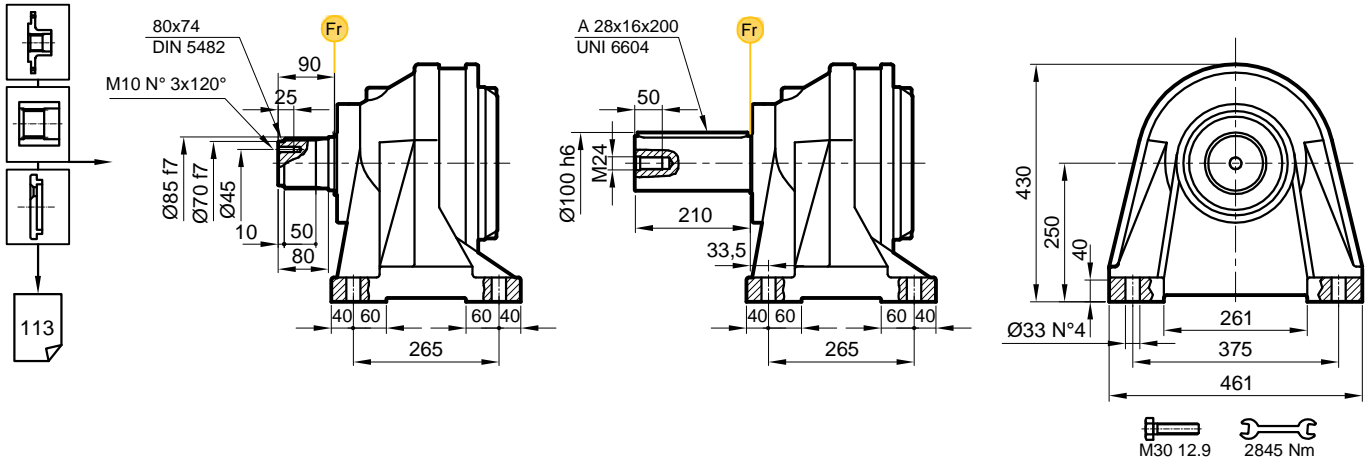
Stage	W	D	C	H	A	PD S	PDA S
S1	-	-	-	-	142	74	-
S2	230	88	140	380	213	90	111
S3	315	88	140	380	275	98	130
S4	350	75	93	252	322	104	113

	H71	H80-90	H100	H132	H160-180	H200	H225	H250-280								
Stage	D	Z	D	Z	D	Z	D	Z								
S1	-	-	-	-	350	120	400	148	450	148	550	183				
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

# PD/PDA 113

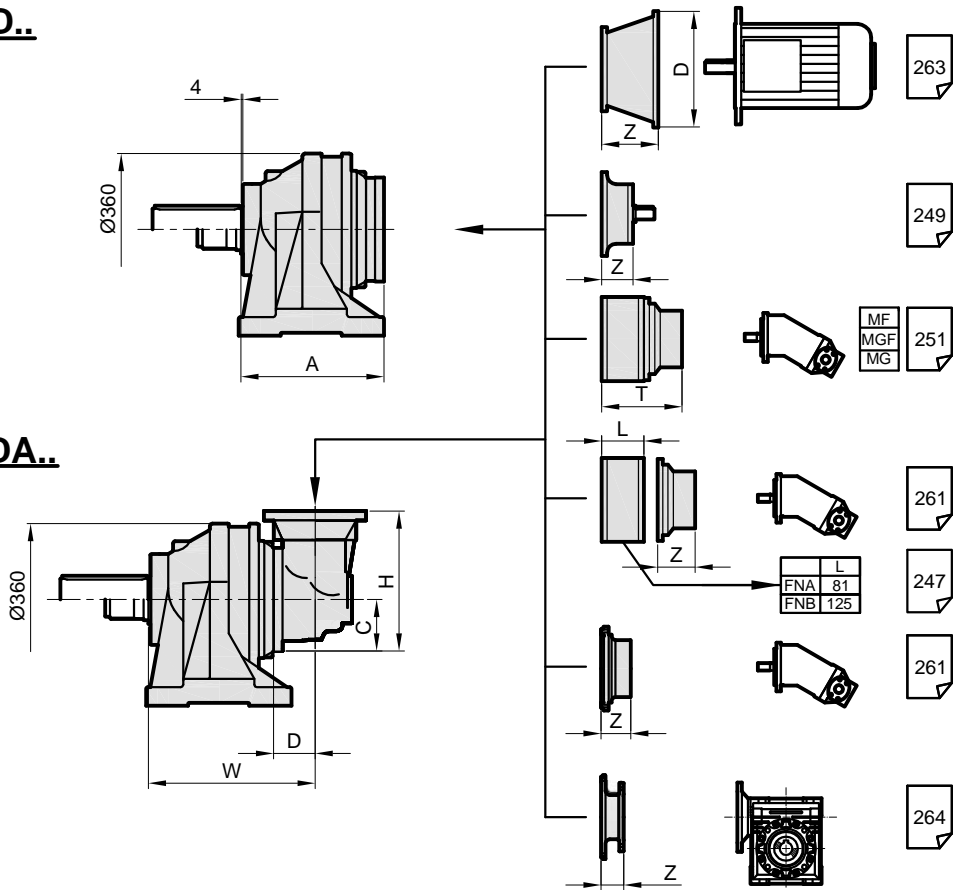
**FVS**

**FVC**



**PD..**

**PDA..**

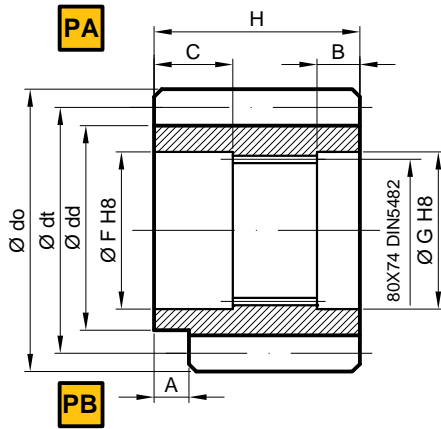


Stage	W	D	C	H	A	PD FV	PDA FV
S1	-	-	-	-	296	105	-
S2	384	88	140	380	317,5	121	142
S3	469	88	140	380	428,5	129	161
S4	503,5	75	93	252	476,5	135	144

	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	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

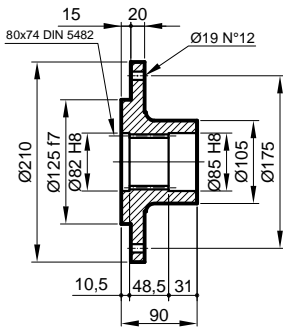
# PD/PDA 113

## P Pinyon / Pinion / Ritzel

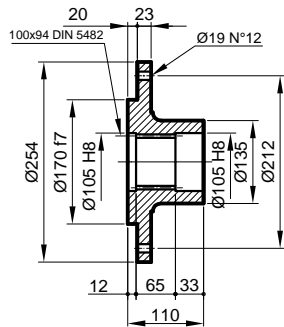


	m	z	x	dd	dt	do	H	A	B	C	F	G	Malzeme / Material	Kod / Code / Bestell	
PA	M	10	12	0	95	120	140	90	0	10	31	85	80	38NiCrMo4	1501.113.001
PA	M	10	14	0	115	140	160	90	0	10	31	85	80	38NiCrMo4	1501.113.002
PA	P	14	13	1	161	182	224	122	0	24	33	105	105	18NiCrMo5	1501.113.003
PB	M	12	14	0,5	144	168	198	90	13	25	31	85	80	39NiCrMo3	1502.113.001

## FL Flan / Flange / Flansch

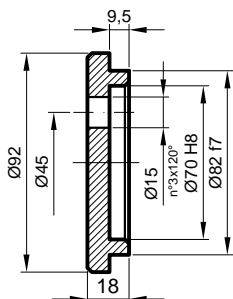


**MS** Kod / Code / Bestell  
1505.111.200

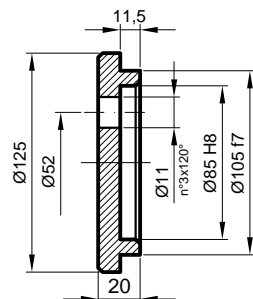


**HS** Kod / Code / Bestell  
1506.113.201

## SP Sabitleme Pulu / Stop bottom plate / Endscheibe

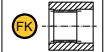


**MS**  
Kod / Code / Bestell  
1507.111.250

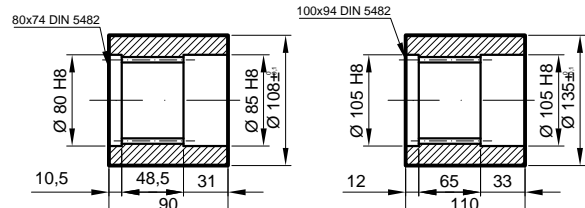


**HS**  
Kod / Code / Bestell  
1508.113.251

## FK Frezeli Kaplin / Spined bushing Innenverzahnte Buchse



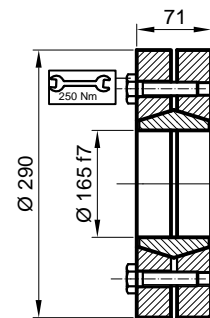
Malzeme / Material / Material  
UNI C40 / SAE 1040 / DIN Ck40



**FS** Kod / Code / Bestell  
1503.111.100

**HS** Kod / Code / Bestell  
1504.113.101

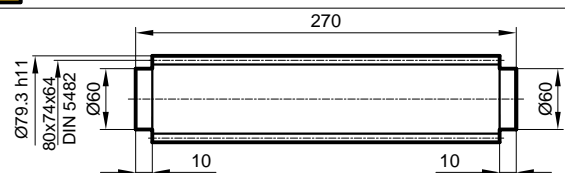
## SB Sikma Bilezi i / Shrink disc Schrumpfscheibe



Maksimum tork  
Max. torque  
Max. Drehmoment  
35 kNm

Kod / Code / Bestell  
2501.113.001

## FM Frezeli Mil / Splined rod Außenverzahnte Welle



Malzeme / Material  
Material  
UNI 39NiCrMo3  
Sertile İrilmli ve Tempelenmi  
Hardened and Tempered  
Vergütet

Kod / Code / Bestell  
1509.113.001

# PD/PDA 113

## RADYAL YÜK(Fr)

A a daki diyagramlar radyal yükleri ve k faktörlerini arzu edilen  $n_2 \times h$  de erlerinde verir.

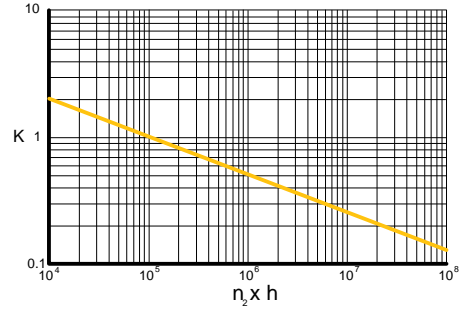
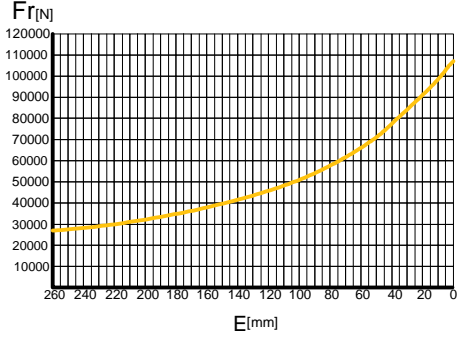
## RADIAL LOADS(Fr)

The following curves show the radial loads and the K factors to obtain the required  $n_2 \times h$  value.

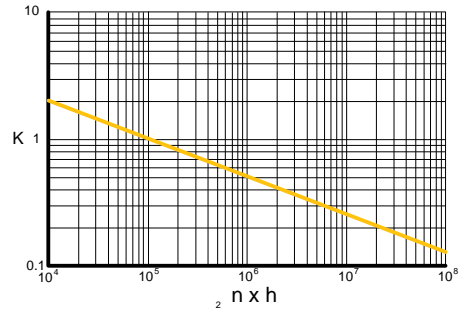
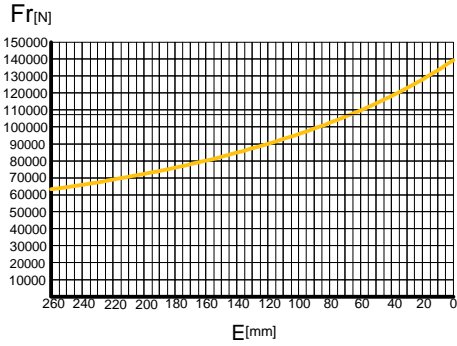
## RADIALLAST (Fr)

In den nachstehenden Diagrammen ist die Radiallast und der Koeffizient K dargestellt und kann mit dem gewünschten Wert  $n_2 \times h$  verglichen werden.

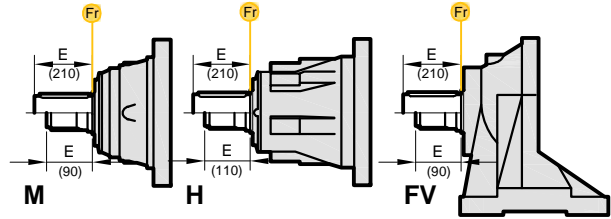
## M-FV



## H



	$n \times h$				
	$10^5$	$10^4$	$10^6$	$10^7$	$10^8$
M-H	Fr		Fr . K		
FV	Fr . 0,75		Fr . K . 0,75		



## AKS YEL YÜKLER (Fa)

Tablodaki aksiyel yük de erleri çıkı tipi ve tatbik edilen yük yönünde verilmi tir.

## 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 Lastichtung.

Fa [N]	M-CPC	H	← →
		45000	
	65000	85000	

