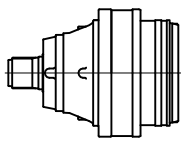
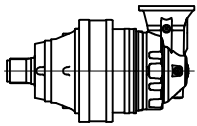


# PD 105

	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>PD 105 S1</b>	3.77	3980	3520	3000	2650	2800	7040	20
	4.12	3600	3190	2710	2400	2800	6380	20
	5.16	3010	2660	2260	2000	2800	5320	20
	6.00	2520	2230	1900	1680	2800	4460	20
	7.25	1950	1730	1470	1300	2800	3460	20
<b>PD 105 S2</b>	13.4	3980	3520	3000	2650	2800	7040	12
	16.1	3980	3520	3000	2650	2800	7040	12
	18.3	3010	2660	2260	2000	2800	5320	12
	23.1	3600	3190	2710	2400	2800	6380	12
	28.9	3010	2660	2260	2000	2800	5320	12
	34.8	3010	2660	2260	2000	2800	5320	12
	40.5	2520	2230	1900	1680	2800	4460	12
	48.9	1950	1730	1470	1300	2800	3460	12
	62.8	1950	1730	1470	1300	2800	3460	12
<b>PD 105 S3</b>	52.1	3600	3190	2710	2400	2800	6380	8
	57.5	3980	3520	3000	2650	2800	7040	8
	62.8	3600	3190	2710	2400	2800	6380	8
	75.2	3980	3520	3000	2650	2800	7040	8
	82.1	3600	3190	2710	2400	2800	6380	8
	90.6	3980	3520	3000	2650	2800	7040	8
	98.9	3600	3190	2710	2400	2800	6380	8
	119.3	3600	3190	2710	2400	2800	6380	8
	129.3	3600	3190	2710	2400	2800	6380	8
	149.4	3010	2660	2260	2000	2800	5320	8
	155.9	3600	3190	2710	2400	2800	6380	8
	162.0	3010	2660	2260	2000	2800	5320	8
	173.5	2520	2230	1900	1680	2800	4460	8
	195.2	3010	2660	2260	2000	2800	5320	8
	235.4	3010	2660	2260	2000	2800	5320	8
	273.3	2520	2230	1900	1680	2800	4460	8
	302.2	3010	2660	2260	2000	2800	5320	8
330.3	1950	1730	1470	1300	2800	3460	8	
424.1	1950	1730	1470	1300	2800	3460	8	
<b>PD 105 S4</b>	351.9	3600	3190	2710	2400	2800	6380	4
	365.7	3010	2660	2260	2000	2800	5320	4
	388.5	3980	3520	3000	2650	2800	7040	4
	413.8	3980	3520	3000	2650	2800	7040	4
	424.2	3600	3190	2710	2400	2800	6380	4
	468.3	3980	3520	3000	2650	2800	7040	4
	511.4	3600	3190	2710	2400	2800	6380	4
	554.3	3600	3190	2710	2400	2800	6380	4
	611.9	3980	3520	3000	2650	2800	7040	4
	668.2	3600	3190	2710	2400	2800	6380	4
	737.6	3980	3520	3000	2650	2800	7040	4
	805.4	3600	3190	2710	2400	2800	6380	4
	857.9	3600	3190	2710	2400	2800	6380	4
	907.3	3010	2660	2260	2000	2800	5320	4
	1052.4	3600	3190	2710	2400	2800	6380	4
	1121.1	3600	3190	2710	2400	2800	6380	4
	1318.2	3010	2660	2260	2000	2800	5320	4
	1588.9	3010	2660	2260	2000	2800	5320	4
1845.2	2520	2230	1900	1680	2800	4460	4	
2369.2	2520	2230	1900	1680	2800	4460	4	

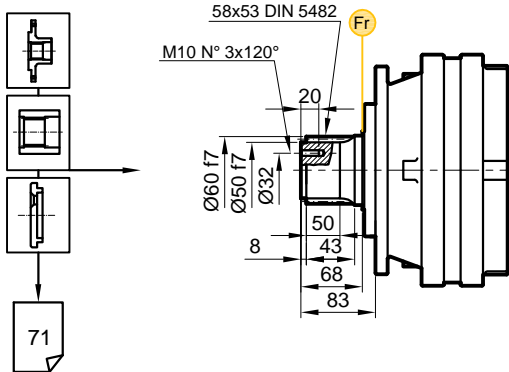
# PDA 105



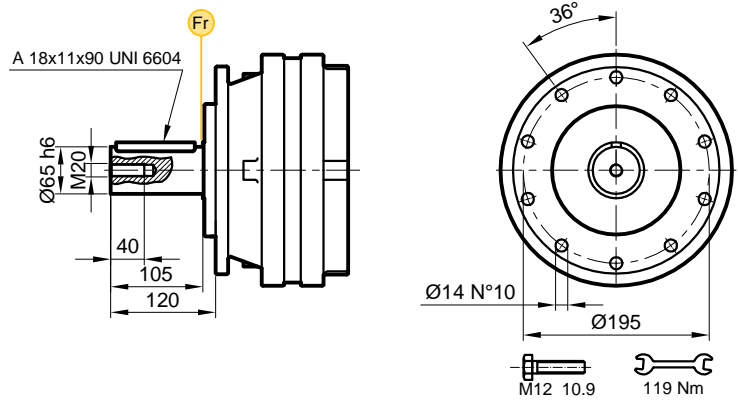
	i	T <sub>2</sub> [Nm]				n <sub>1max</sub> [min <sup>-1</sup> ]	T <sub>2max</sub> [Nm]	P <sub>t</sub> [kW]
		n <sub>2xh</sub>						
		10 000	20 000	50 000	100 000			
<b>PDA 105 S2</b>	12.0	3600	3190	2710	2400	2800	6380	12
	15.1	3010	2660	2260	2000	2800	5320	12
	17.5	2520	2230	1900	1680	2800	4460	12
	21.2	1950	1730	1470	1300	2800	3460	12
<b>PDA 105 S3</b>	39.3	3980	3520	3000	2650	2800	7040	8
	47.4	3980	3520	3000	2650	2800	7040	8
	53.8	3010	2660	2260	2000	2800	5320	8
	67.7	3600	3190	2710	2400	2800	6380	8
	75.4	2520	2230	1900	1680	2800	4460	8
	84.8	3010	2660	2260	2000	2800	5320	8
	91.1	1950	1730	1470	1300	2800	3460	8
	102.2	3010	2660	2260	2000	2800	5320	8
	118.7	2520	2230	1900	1680	2800	4460	8
	143.5	1950	1730	1470	1300	2800	3460	8
<b>PDA 105 S4</b>	140.0	3980	3520	3000	2650	2800	7040	4
	168.8	3980	3520	3000	2650	2800	7040	4
	184.3	3600	3190	2710	2400	2800	6380	4
	220.6	3980	3520	3000	2650	2800	7040	4
	240.9	3600	3190	3710	2400	2800	6380	4
	265.9	3980	3520	3000	2650	2800	7040	4
	290.3	3600	3190	2710	2400	2800	6380	4
	320.5	3980	3520	3000	2650	2800	7040	4
	350.0	3600	3190	2710	2400	2800	6380	4
	422.3	2520	2230	1900	1680	2800	4460	4
	449.4	3600	3190	2710	2400	2800	6380	4
	475.2	3010	2660	2260	2000	2800	5320	4
	509.1	2520	2230	1900	1680	2800	4460	4
	551.9	2520	2230	1900	1680	2800	4460	4
	615.2	1950	1730	1470	1300	2800	3460	4
	665.2	2520	2230	1900	1680	2800	4460	4
	735.5	3010	2660	2260	2000	2800	5320	4
801.8	2520	2230	1900	1680	2800	4460	4	
1244.0	1950	1730	1470	1300	2800	3460	4	

# PD/PDA 105

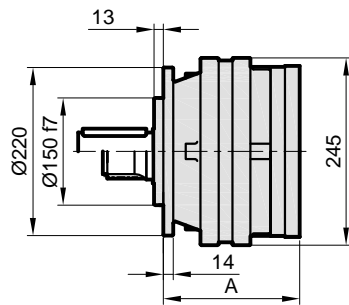
**FS**



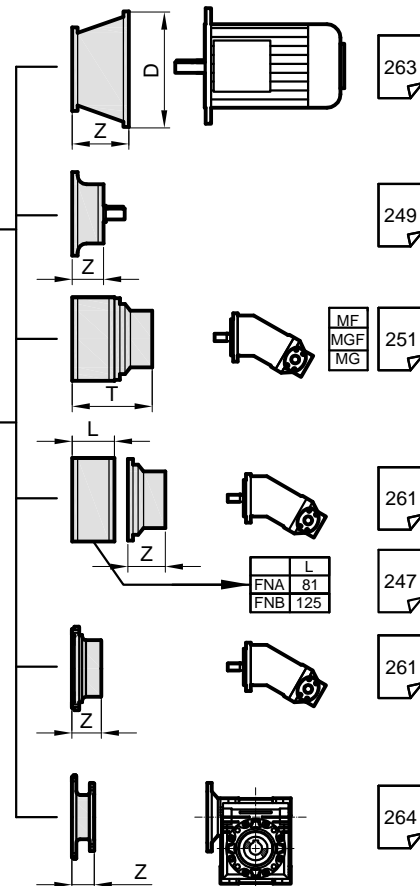
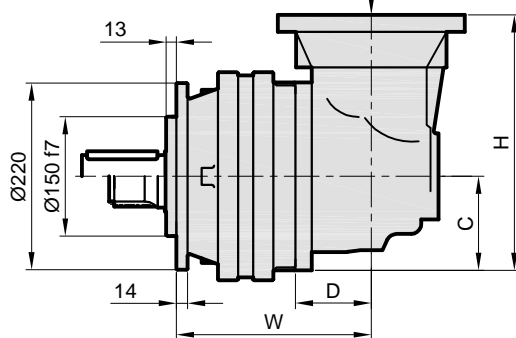
**FC**



**PD..**



**PDA..**

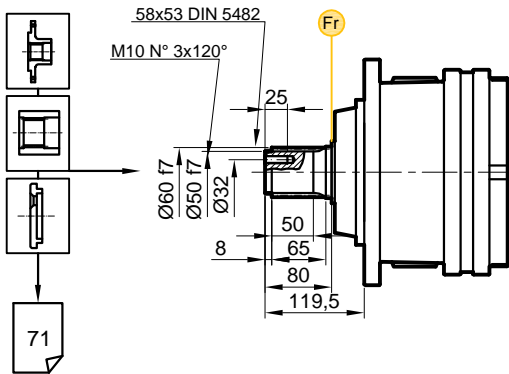


Stage	W	D	C	H	A	PD F	PDA F
S1	-	-	-	-	166	29	-
S2	241	75	93	252	214	35	47
S3	289	75	93	252	262	41	53
S4	337	75	93	252	310	47	59

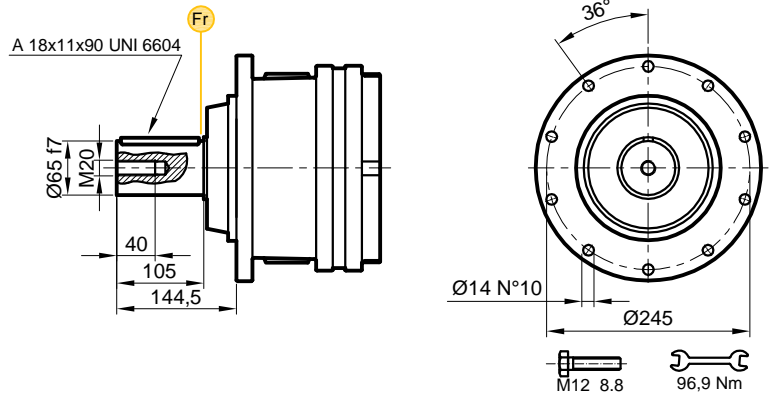
	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

# PD/PDA 105

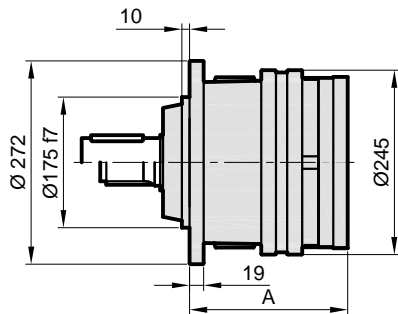
**HS**



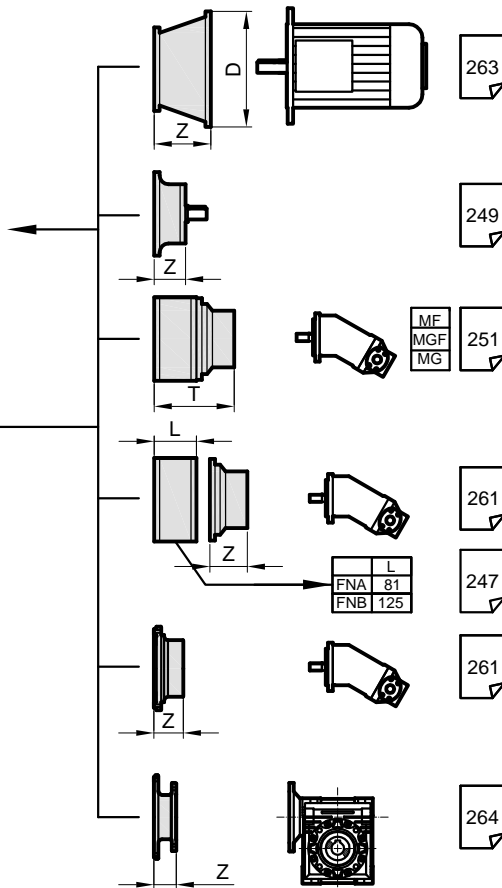
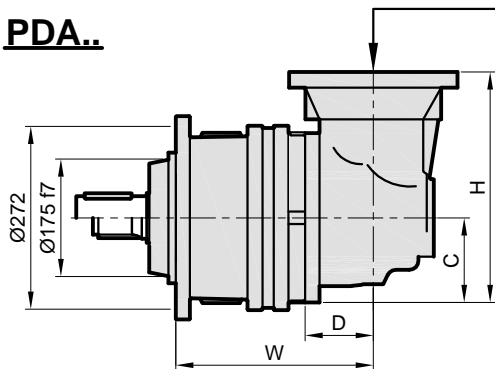
**HC**



**PD..**



**PDA..**

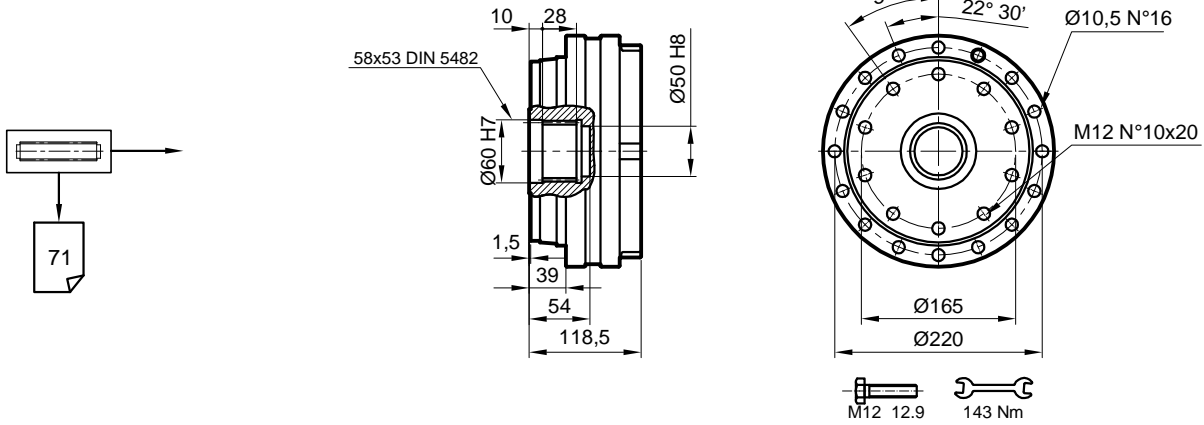


Stage	W	D	C	H	A	PD		PDA	
						H	H	H	H
S1	-	-	-	-	173	38	-	-	-
S2	248	75	93	252	221	44	56	-	-
S3	296	75	93	252	269	50	62	-	-
S4	344	75	93	252	317	56	68	-	-

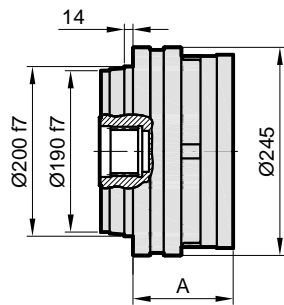
Stage	H71		H80 / 90		H100 / 112		H132		H160 / 180	
	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

# PD/PDA 105

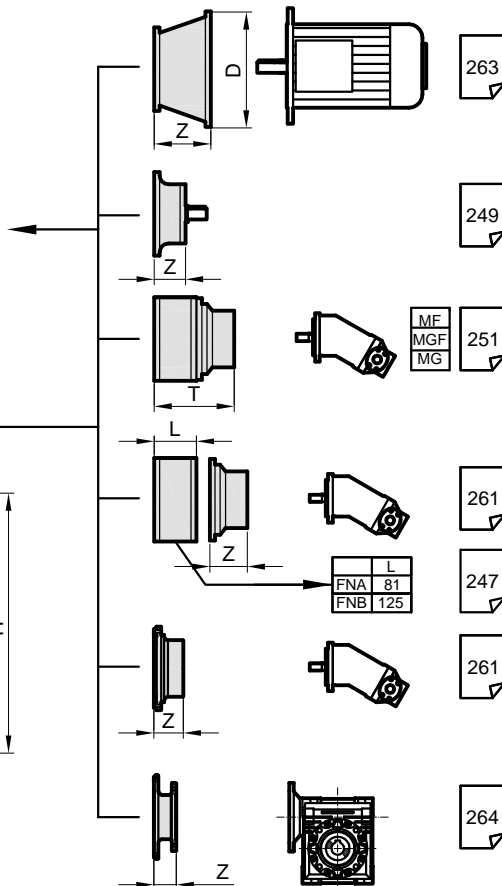
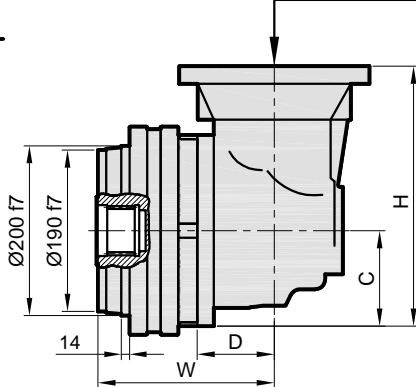
S



PD..



PDA..

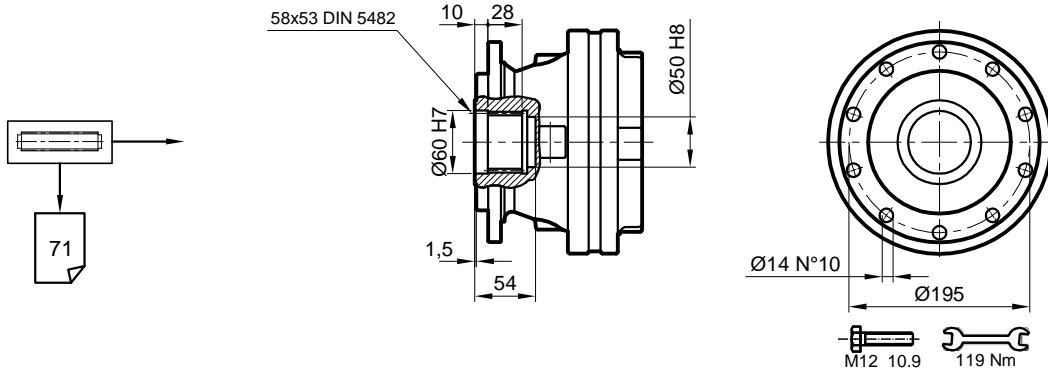


Stage	W	D	C	H	A	PD		PDA	
						S	W	S	W
S1	-	-	-	-	79.5	20	-	-	-
S2	192	75	93	252	127.5	27	35	-	-
S3	240	75	93	252	175.5	32	41	-	-
S4	288	75	93	252	223.5	38	47	-	-

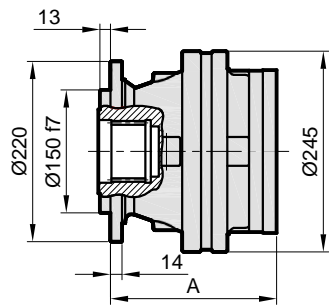
Stage	H71		H80 / 90		H100 / 112		H132		H160 / 180	
	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

# PD/PDA 105

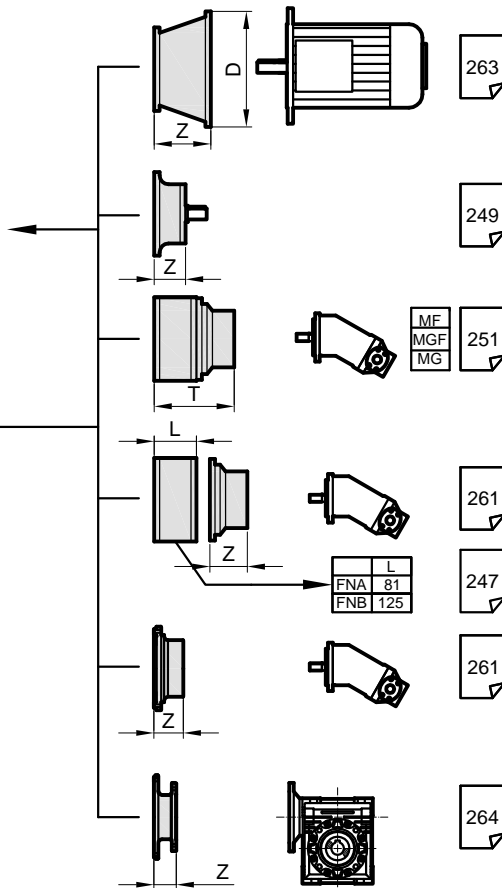
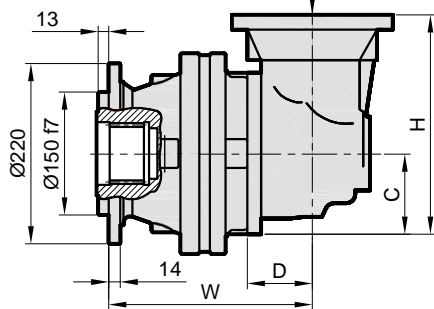
SF



PD..



PDA..

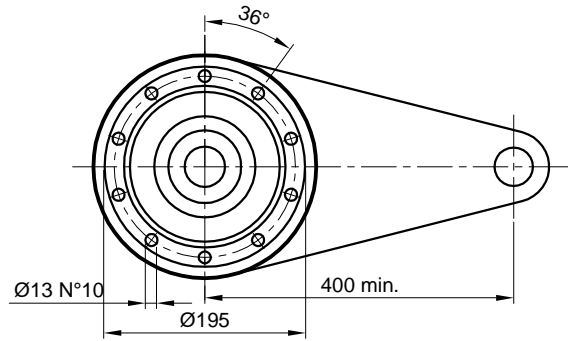
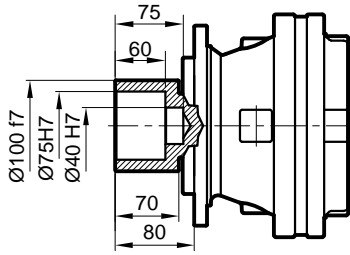
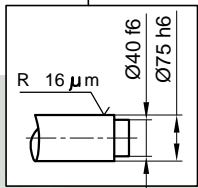
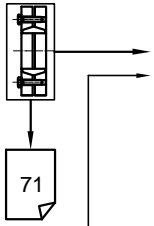


Stage	W	D	C	H	A	PD SF	PDA SF
S1	-	-	-	-	166	31	-
S2	241	75	93	252	214	37	49
S3	289	75	93	252	262	43	55
S4	337	75	93	252	310	49	61

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

# PD/PDA 105

**SDF**

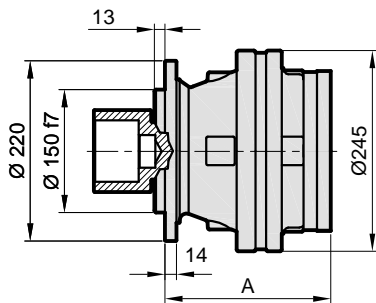


M12 10.9 119 Nm

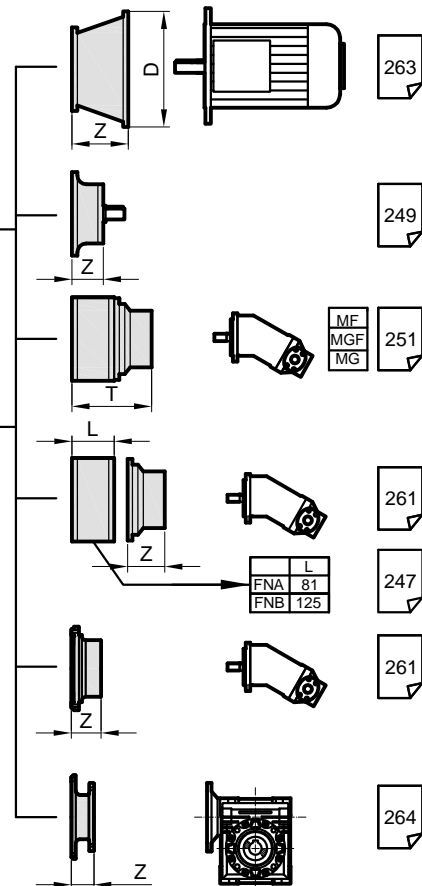
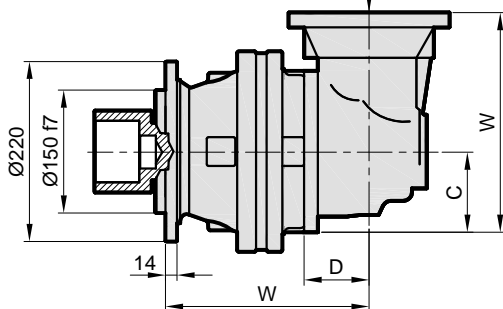
$M_{max} = 7.5 \text{ kNm}$

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..**



**PDA..**

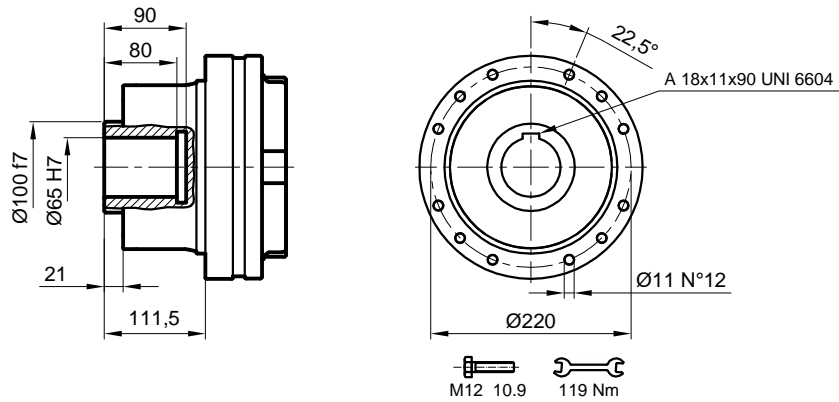


Stage	W	D	C	H	A	PD		PDA	
						SDF	SDF	SDF	SDF
S1	-	-	-	-	166	31	-	-	-
S2	241	75	93	252	214	37	49	-	-
S3	289	75	93	252	262	43	55	-	-
S4	337	75	93	252	310	46	61	-	-

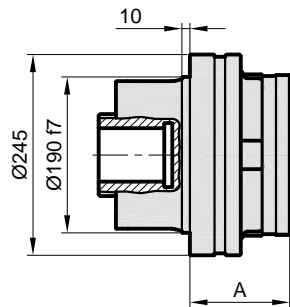
	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

# PD/PDA 105

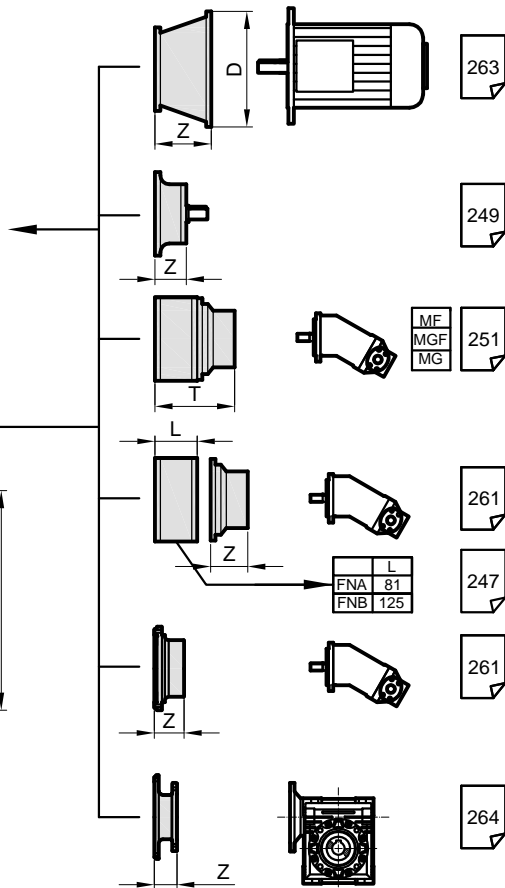
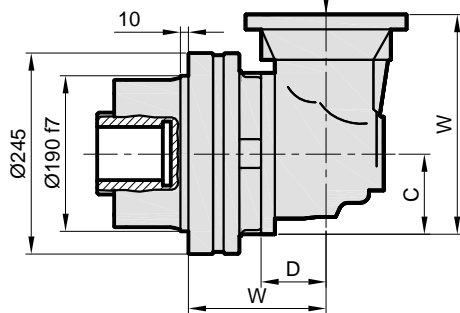
DKM



**PD..**



**PDA..**



Stage	W	D	C	H	A	PD S	PDA S
S1	-	-	-	-	85.5	20	-
S2	198	75	93	252	133.5	27	35
S3	246	75	93	252	181.5	32	41
S4	294	75	93	252	229.5	38	47

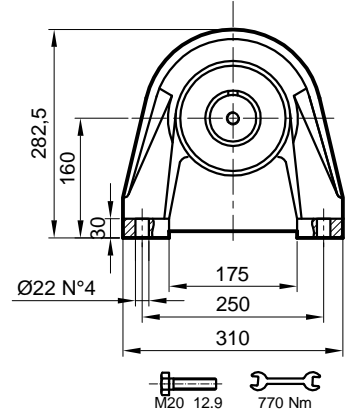
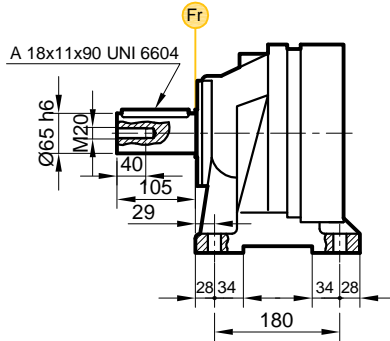
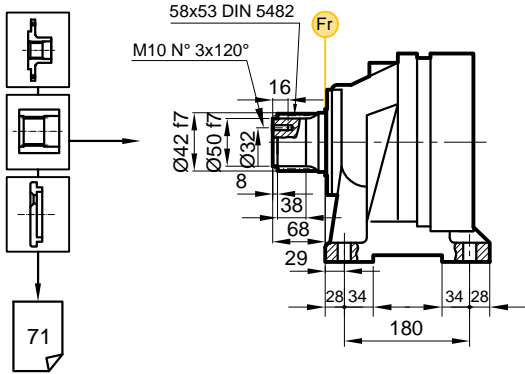
	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120



# PD/PDA 105

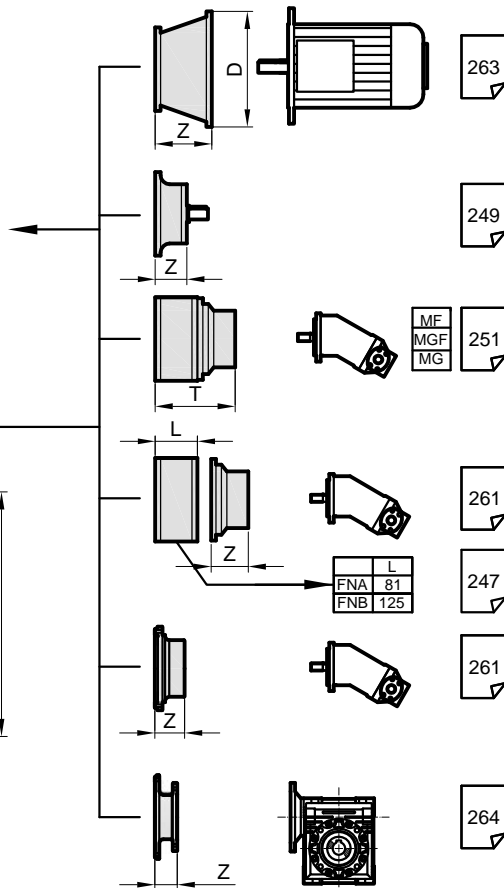
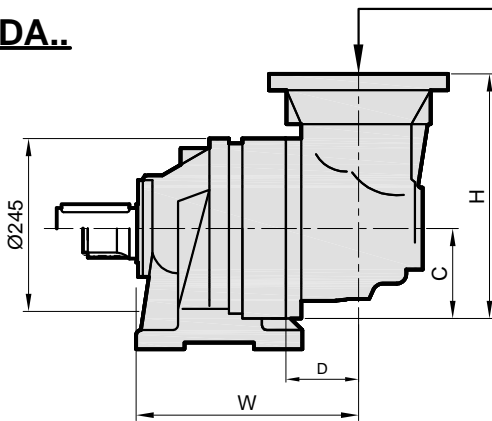
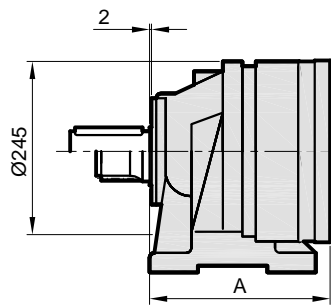
**FVS**

**FVC**



**PD..**

**PDA..**

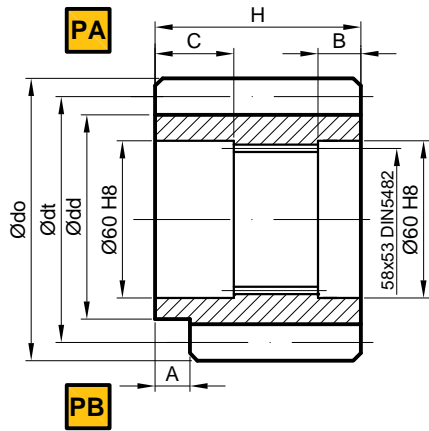


Stage	W	D	C	H	A	PD		PDA	
						FVC	FVC	FVC	FVC
S1	-	-	-	-	212,5	42	-	-	-
S2	287,5	75	93	252	260,5	48	60	-	-
S3	335,5	75	93	252	308,5	54	66	-	-
S4	383,5	75	93	252	356,5	60	72	-	-

Stage	H71		H80 / 90		H100 / 112		H132		H160 / 180	
	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	32	200	60	250	71	300	104	350	120
S2	185	32	200	60	250	71	300	104	350	120
S3	185	32	200	60	-	-	300	104	350	120
S4	185	32	200	60	-	-	300	104	350	120

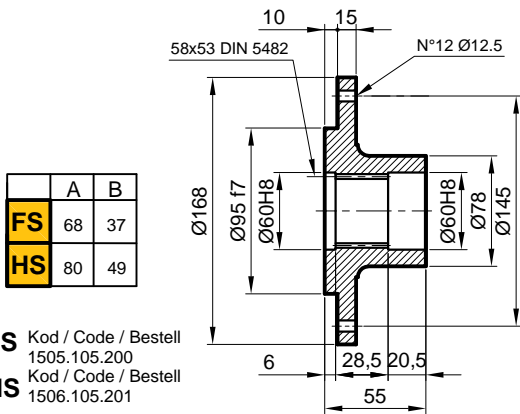
# PD/PDA 105

## P Pinyon / Pinion / Ritzel



	m	z	x	dd	dt	do	H	A	B	C	Malzeme / Material / Material	Kod / Code / Bestell
PA	8	13	0	88	104	120	68	0	8.5	22.5	18NiCrMo5	1501.105.001
PA	8	11	0.85	74.8	88	110.8	68	0	8.5	22.5	38NiCrMo4	1501.105.002
PA	8	12	0.1	88	96	112.8	68	0	8	21	38NiCrMo4	1501.105.003
PB	10	14	0.24	117.4	140	162.4	116	13	9.5	22.5	18NiCrMo4	1502.105.001
PA	8	15	0	100	120	136	68	0	8.5	22.5	38NiCrMo4	1501.105.004
PA	6	14	0.6	72.6	84	99.6	95	0	23	21	38NiCrMo4	1501.105.005
PA	10	11	1.21	97.1	110	142.1	90	0	8	22.5	38NiCrMo5	1501.105.006

## FL Flan / Flange / Flansch



	A	B
FS	68	37
HS	80	49

**FS** Kod / Code / Bestell  
1505.105.200

**HS** Kod / Code / Bestell  
1506.105.201

## FK Frezeli Kaplin / Spined bushing Innenverzahnte Buchse

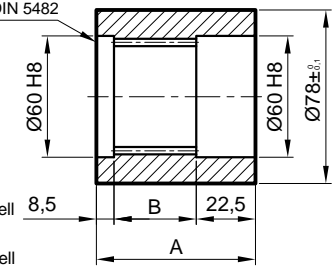


Malzeme / Material / Material  
UNI C40  
SAE 1040  
DIN Ck40

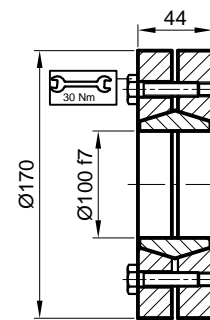
	A	B
FS	68	37
HS	80	49

**FS** Kod / Code / Bestell  
1503.105.100

**HS** Kod / Code / Bestell  
1504.105.101



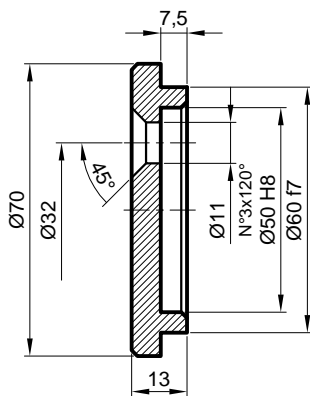
## SB Sikma Bilezi i / Shrink disc Schrumpfscheibe



Maksimum tork  
Max. torque  
Max. Drehmoment  
7,5 kNm

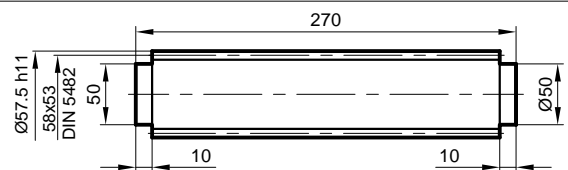
Kod / Code / Bestell  
2501.105.001

## SP Sabitleme Pulu / Stop bottom plate / Endscheibe



Kod / Code / Bestell  
1507.105.250

## FM Frezeli Mil / Splined rod Außenverzahnte Welle



Malzeme / Material / Material

UNI 39NiCrMo3  
Sertile İtirimi ve Temperlenmiş  
Hardened and Tempered  
Vergiliet

Kod / Code / Bestell  
1509.105.260

# PD/PDA 105

## RADYAL YÜK(Fr)

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

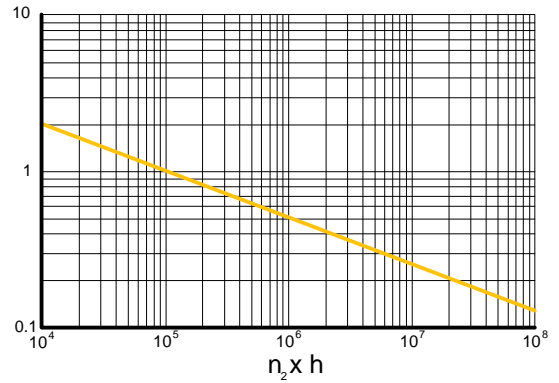
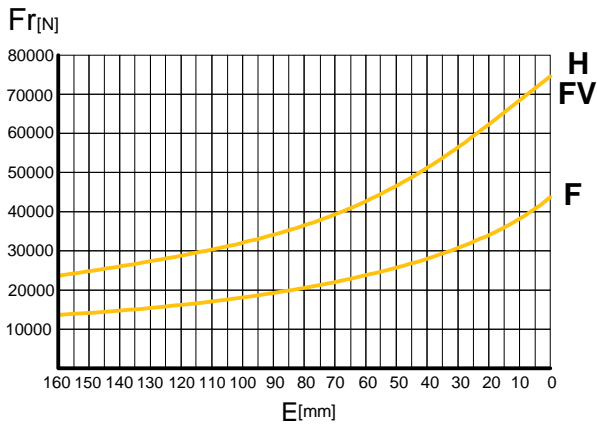
## RADIAL LOADS(Fr)

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

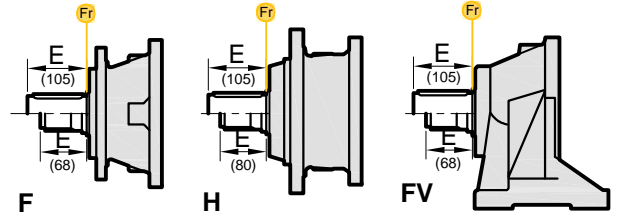
## RADIALLAST (Fr)

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

## F-H-FV



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



## AKS YEL YÜKLER (Fa)

Tablodaki aksiyel yük de erleri çıkı ıtı 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 Lastrichtung.

$Fa$ [N]	F	H-FV	
		32000	32000
	32000	48000	→

