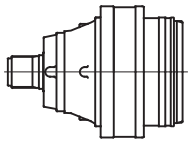
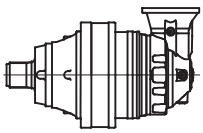
PD 105

	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 105 S1	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
PD 105 S2	13.4	3980	3520	3000	2650	2800	7040	12
	16.2	3980	3520	3000	2650	2800	7040	12
	18.4	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
	34.9	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
PD 105 S3	47.8	3980	3520	3000	2650	2800	7040	8
	52.2	3600	3190	2710	2400	2800	6380	8
	57.6	3980	3520	3000	2650	2800	7040	8
	62.9	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
	90.7	3980	3520	3000	2650	2800	7040	8
	99.0	3600	3190	2710	2400	2800	6380	8
	119.3	3600	3190	2710	2400	2800	6380	8
	129.4	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
	195.3	3010	2660	2260	2000	2800	5320	8
	235.4	3010	2660	2260	2000	2800	5320	8
	273.4	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
PD 105 S4	351.9	3600	3190	2710	2400	2800	6380	4
	365.8	3010	2660	2260	2000	2800	5320	4
	388.5	3980	3520	3000	2650	2800	7040	4
	413.9	3980	3520	3000	2650	2800	7040	4
	424.2	3600	3190	2710	2400	2800	6380	4
	468.2	3980	3520	3000	2650	2800	7040	4
	511.3	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
	668.3	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
	907.4	3010	2660	2260	2000	2800	5320	4
	1052.5	3600	3190	2710	2400	2800	6380	4
	1121.1	3600	3190	2710	2400	2800	6380	4
	1318.3	3010	2660	2260	2000	2800	5320	4
	1589.0	3010	2660	2260	2000	2800	5320	4
	1845.3	2520	2230	1900	1680	2800	4460	4
	2369.3	2520	2230	1900	1680	2800	4460	4

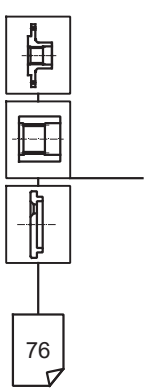
PDA 105

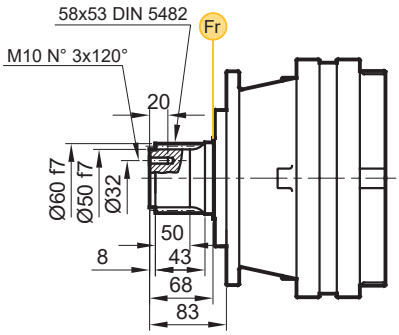
		T_2 [Nm]				n_{1max} [min^{-1}]	T_{2max} [Nm]	P_t [kW]
	i	$n_2$xh						
		10 000	20 000	50 000	100 000			
PDA 105 S2	12.1	3600	3190	2710	2400	2800	6380	12
	15.1	3010	2660	2260	2000	2800	5320	12
	17.6	2520	2230	1900	1680	2800	4460	12
	21.2	1950	1730	1470	1300	2800	3460	12
PDA 105 S3	39.4	3980	3520	3000	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
	75.3	2520	2230	1900	1680	2800	4460	8
	84.8	3010	2660	2260	2000	2800	5320	8
	91.0	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
	143.4	1950	1730	1470	1300	2800	3460	8
	184,1	1950	1730	1470	1300	2800	3460	8
PDA 105 S4	139.9	3980	3520	3000	2650	2800	7040	4
	168.6	3980	3520	3000	2650	2800	7040	4
	184.1	3600	3190	2710	2400	2800	6380	4
	220.4	3980	3520	3000	2650	2800	7040	4
	240.7	3600	3190	3710	2400	2800	6380	4
	265.6	3980	3520	3000	2650	2800	7040	4
	290.1	3600	3190	2710	2400	2800	6380	4
	320.2	3980	3520	3000	2650	2800	7040	4
	349.6	3600	3190	2710	2400	2800	6380	4
	421.9	2520	2230	1900	1680	2800	4460	4
	448.8	3600	3190	2710	2400	2800	6380	4
	474.7	3010	2660	2260	2000	2800	5320	4
	508.5	2520	2230	1900	1680	2800	4460	4
	551.3	2520	2230	1900	1680	2800	4460	4
	614.4	1950	1730	1470	1300	2800	3460	4
	664.5	2520	2230	1900	1680	2800	4460	4
	734.7	3010	2660	2260	2000	2800	5320	4
	801.0	2520	2230	1900	1680	2800	4460	4
	1242.7	1950	1730	1470	1300	2800	3460	4

⚠ $\frac{(n_2 \times h = 20000)}{T_{2max} = T_2 \times 2}$

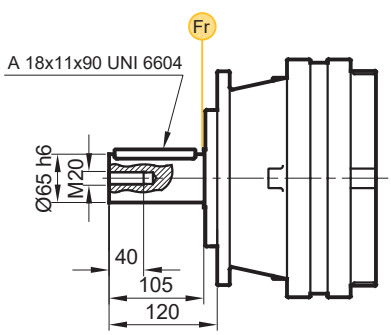
PD/PDA 105

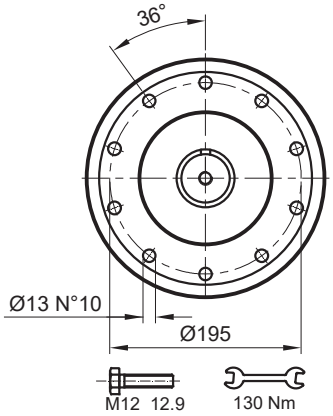
FS



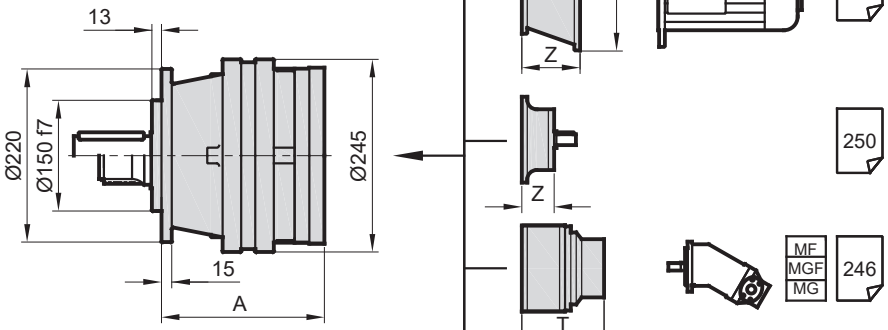


FC





PD..



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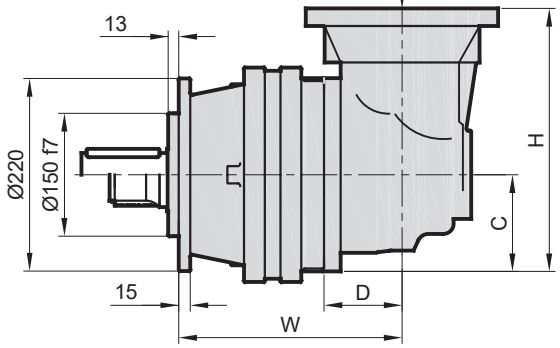
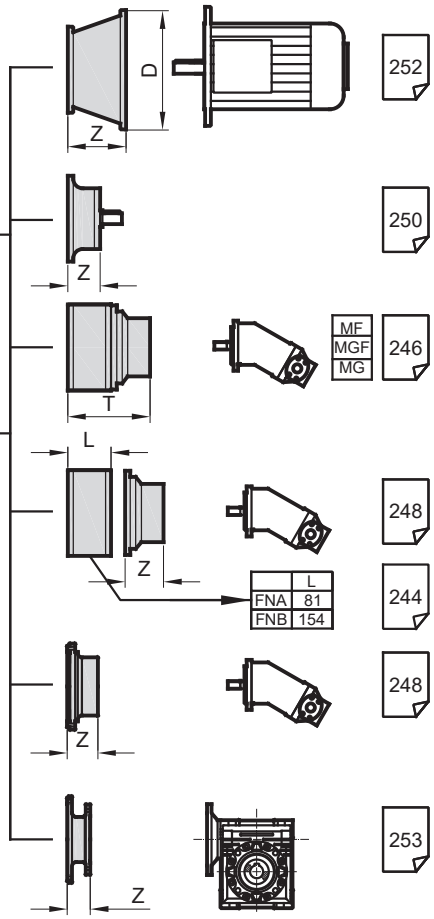
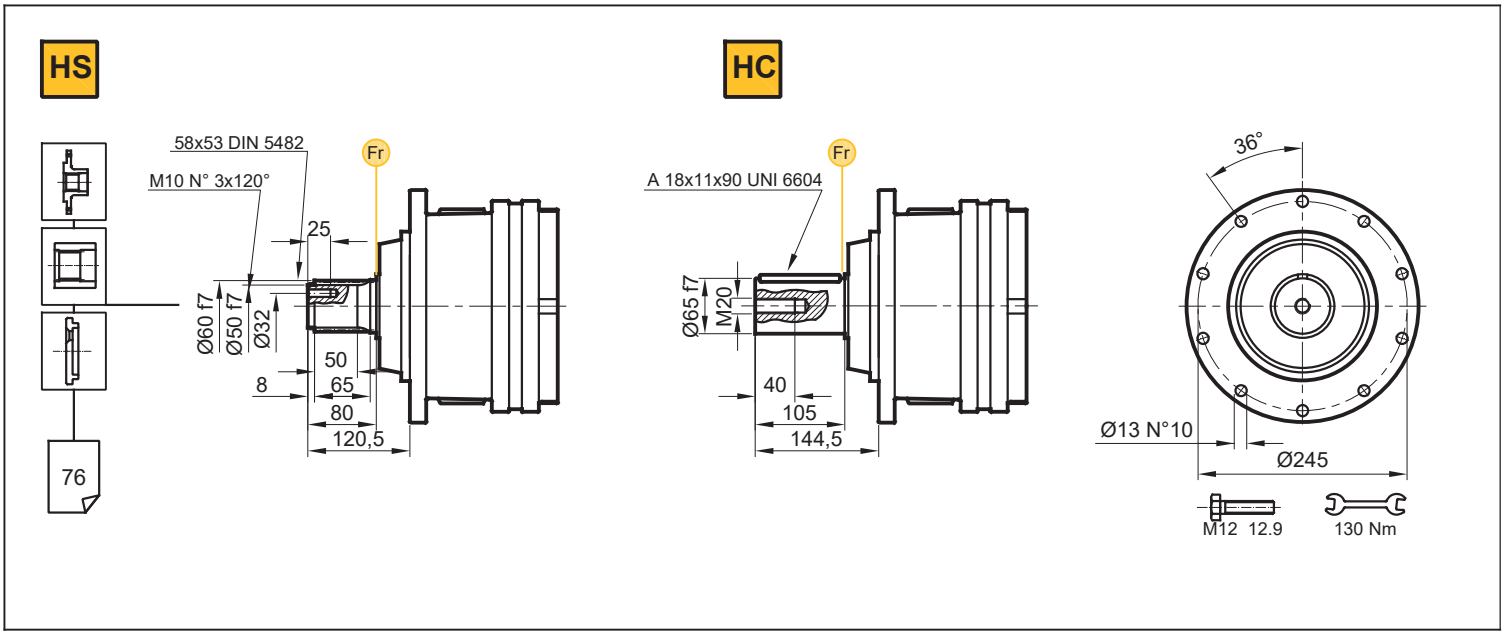




Stage	W	D	C	H	A	PD F	PDA F
S1	-	-	-	-	167	32,2	-
S2	242,5	75	92,5	253,5	215	38,6	49,6
S3	290,5	75	92,5	253,5	263	45,1	56,1
S4	338,5	75	92,5	253,5	311	51,8	62,8

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105



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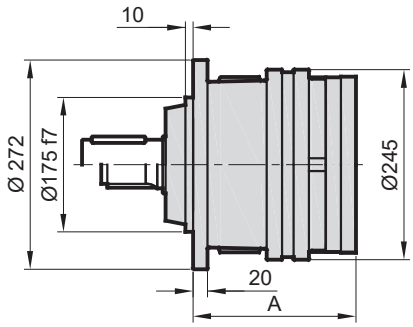

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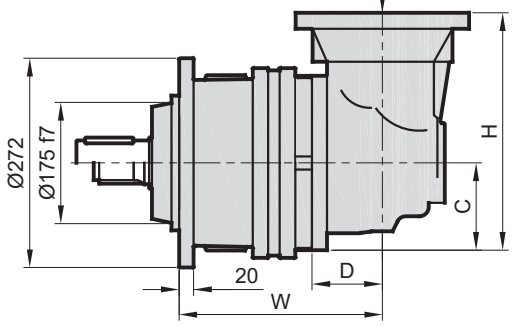
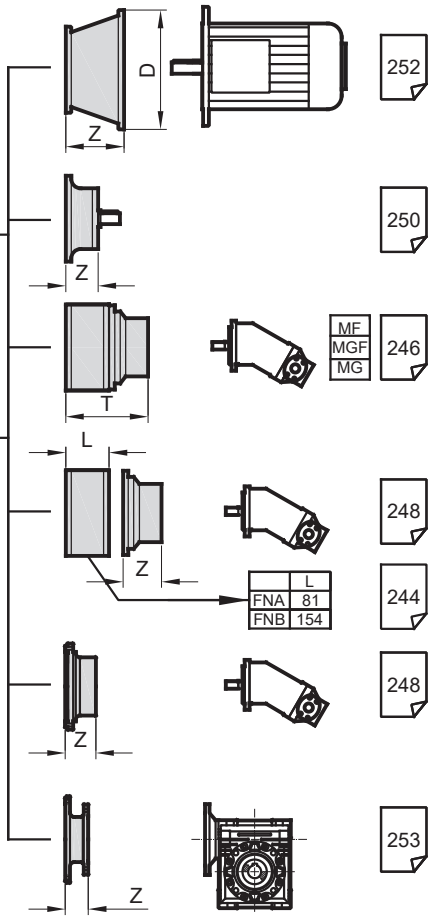


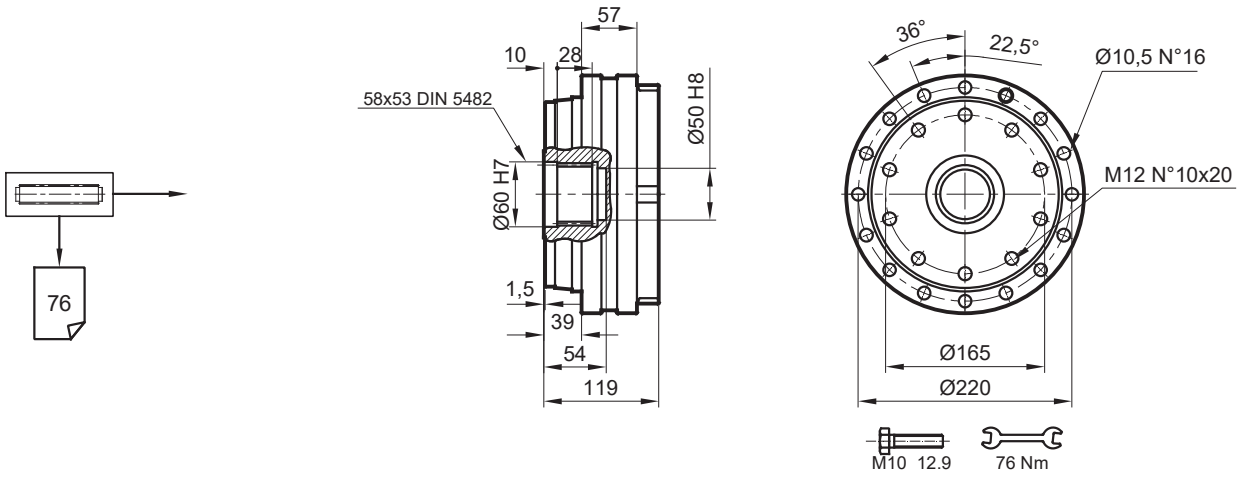


Stage	W	D	C	H	A	PD H	PDA H
S1	-	-	-	-	174	38,3	-
S2	249	75	92,5	253,5	222	44,7	55,7
S3	297	75	92,5	253,5	270	51,2	62,2
S4	345	75	92,5	253,5	318	57,9	68,9

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

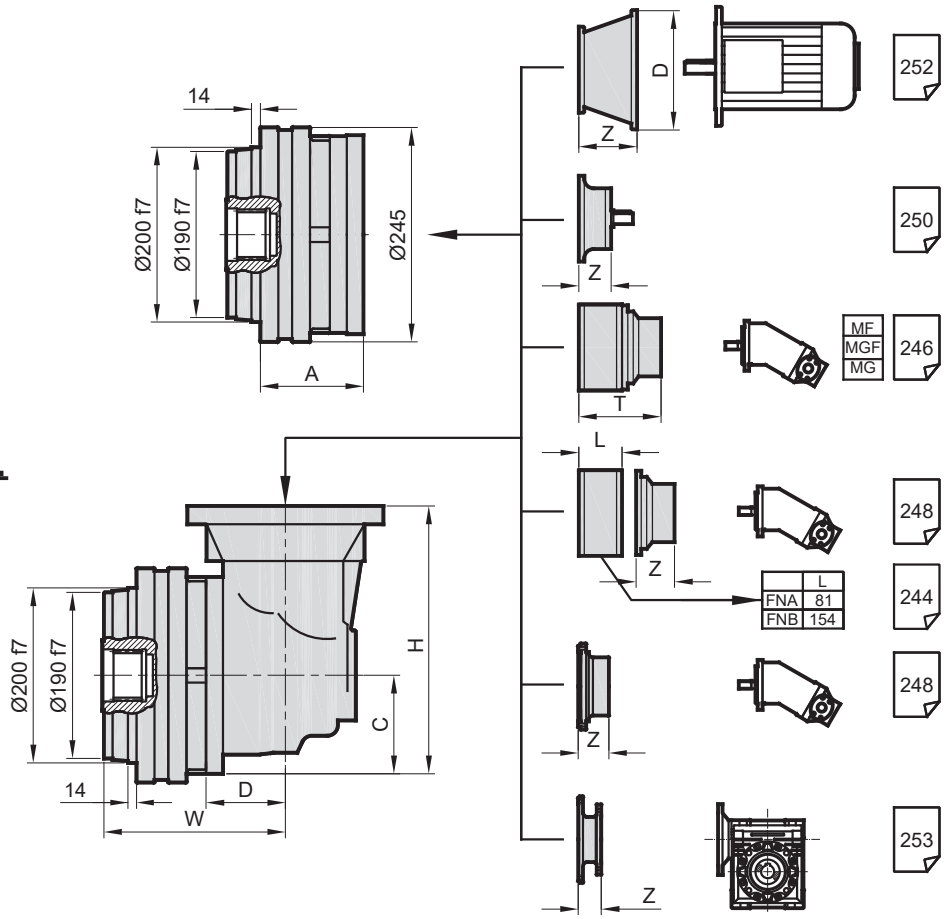
PD/PDA 105

S



PD..

PDA..

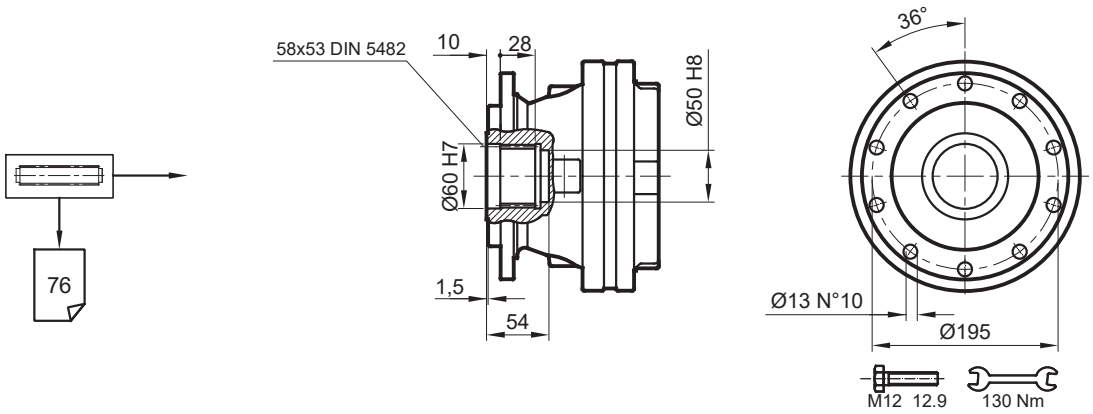


Stage	W	D	C	H	A	PD S	PDA S
S1	-	-	-	-	80	19,5	-
S2	193	75	92,5	253,5	128	25,9	36,9
S3	241	75	92,5	253,5	176	32,4	43,4
S4	289	75	92,5	253,5	224	39,1	50,1

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105

SF



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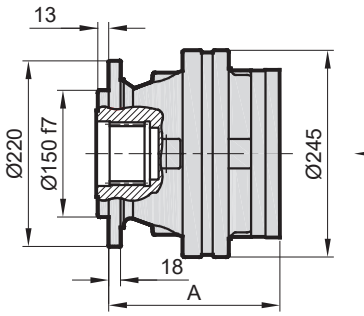

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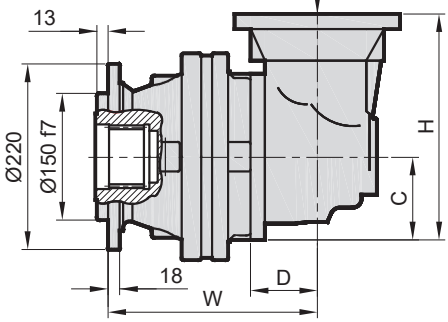
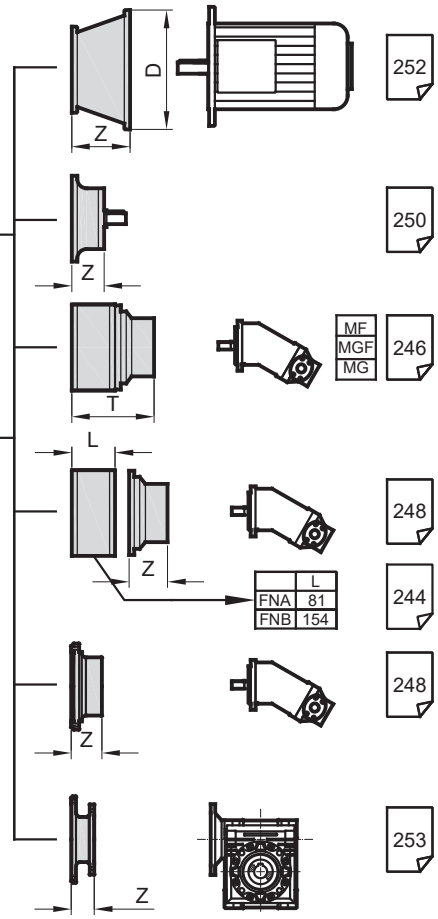
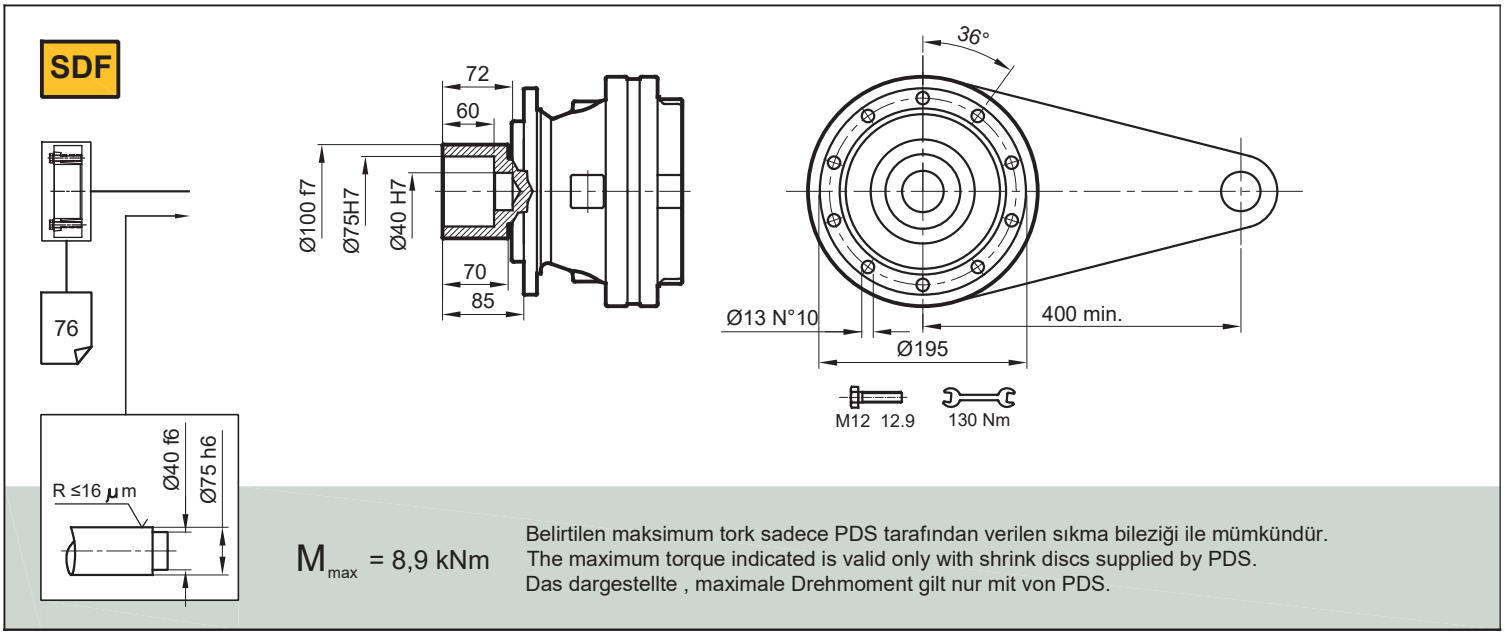


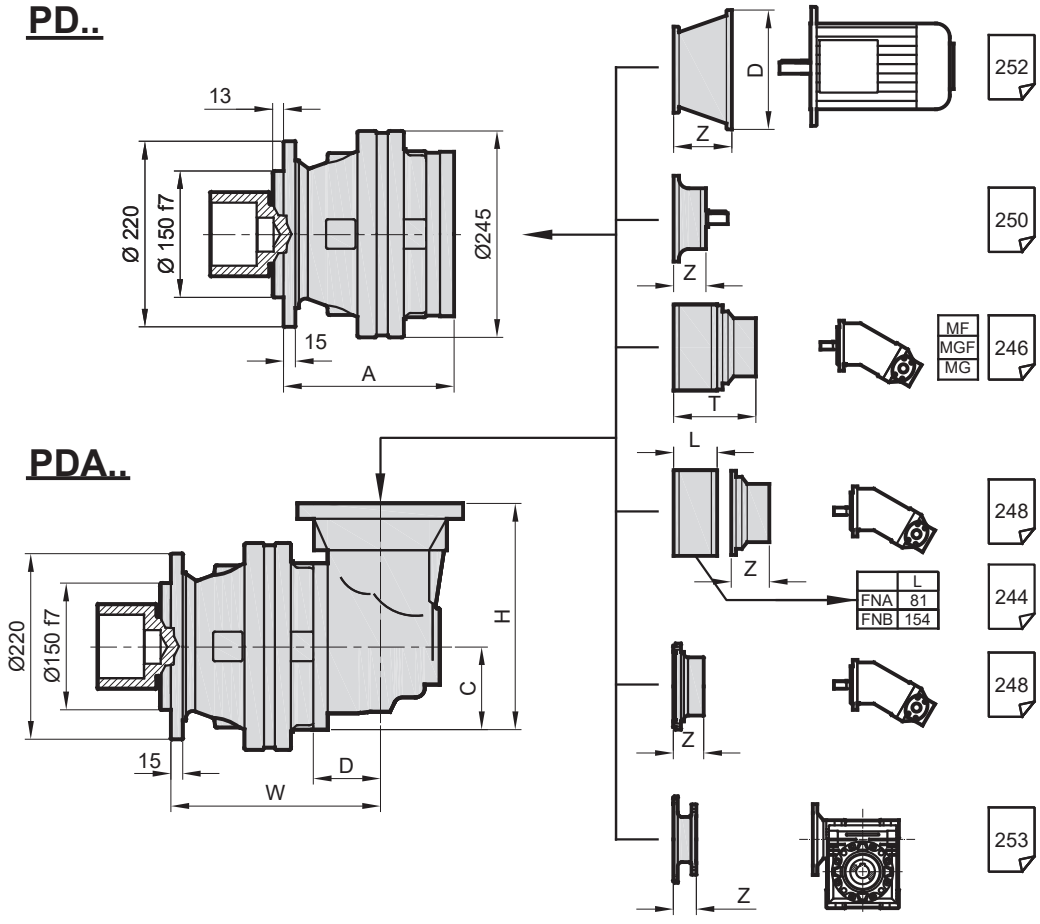


Stage	W	D	C	H	A	PD SF	PDA SF
S1	-	-	-	-	167	28,7	-
S2	242,5	75	92,5	253,5	215	35,1	46,1
S3	290,5	75	92,5	253,5	263	41,6	52,6
S4	338,5	75	92,5	253,5	311	48,3	59,3

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105



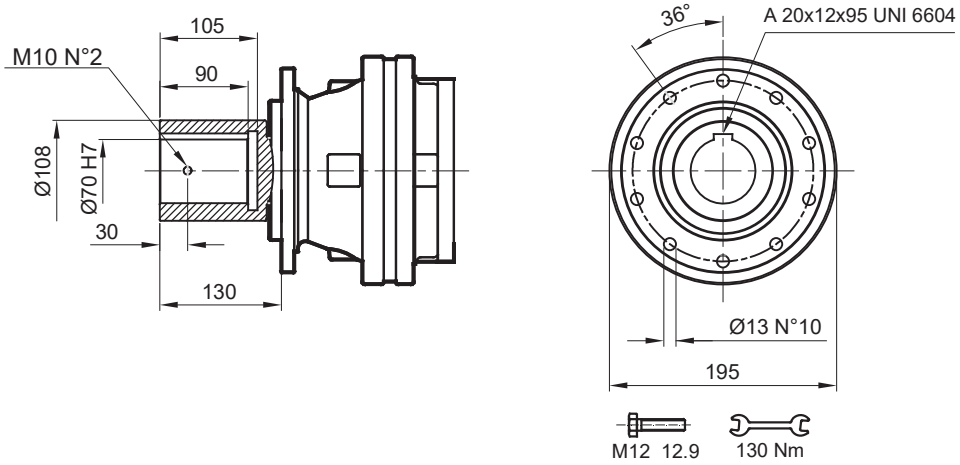


Stage	W	D	C	H	A	PD SDF	PDA SDF
S1	-	-	-	-	167	31,8	–
S2	242,5	75	92,5	253,5	215	38,2	49,2
S3	290,5	75	92,5	253,5	263	44,7	55,7
S4	338,5	75	92,5	253,5	311	51,4	62,4

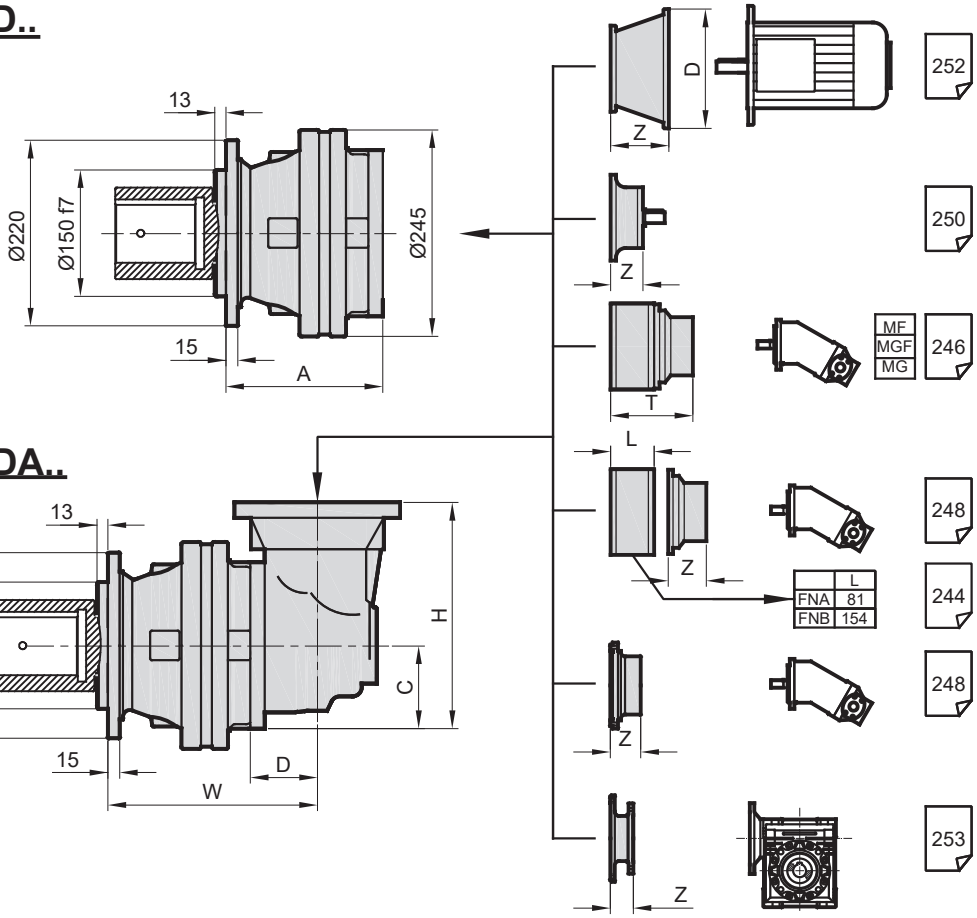
	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105

DKM



PD..



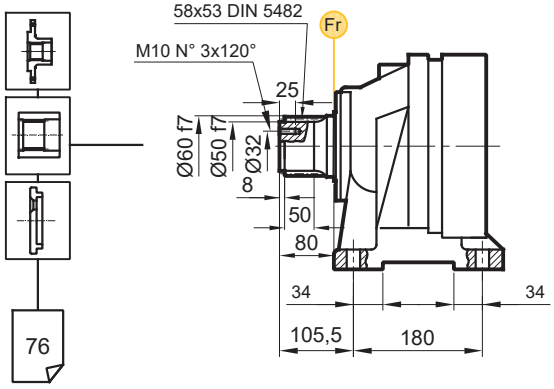
PDA..

Stage	W	D	C	H	A	PD DKM	PDA DKM
S1	-	-	-	-	167	34,5	-
S2	242,5	75	92,5	253,5	215	40,9	51,9
S3	290,5	75	92,5	253,5	263	47,4	58,4
S4	338,5	75	92,5	253,5	316	54,1	65,1

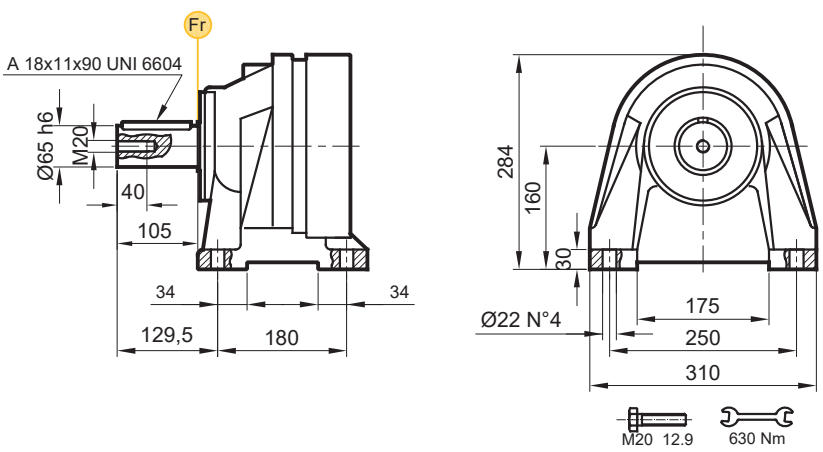
	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105

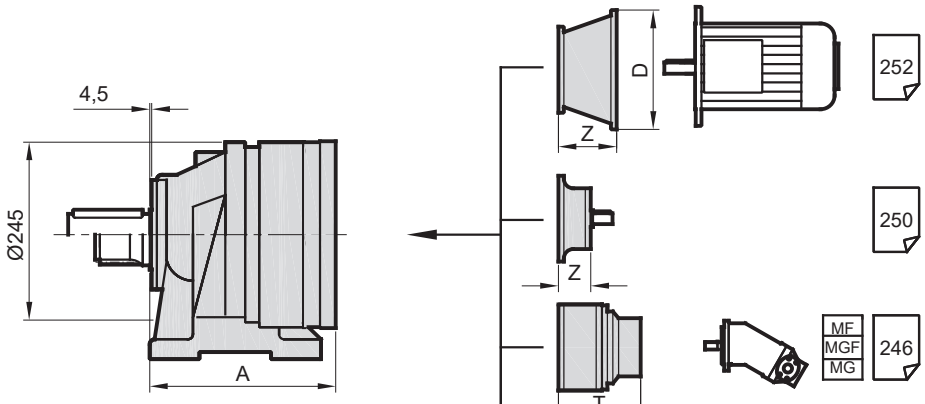
FVS



FVC



PD..



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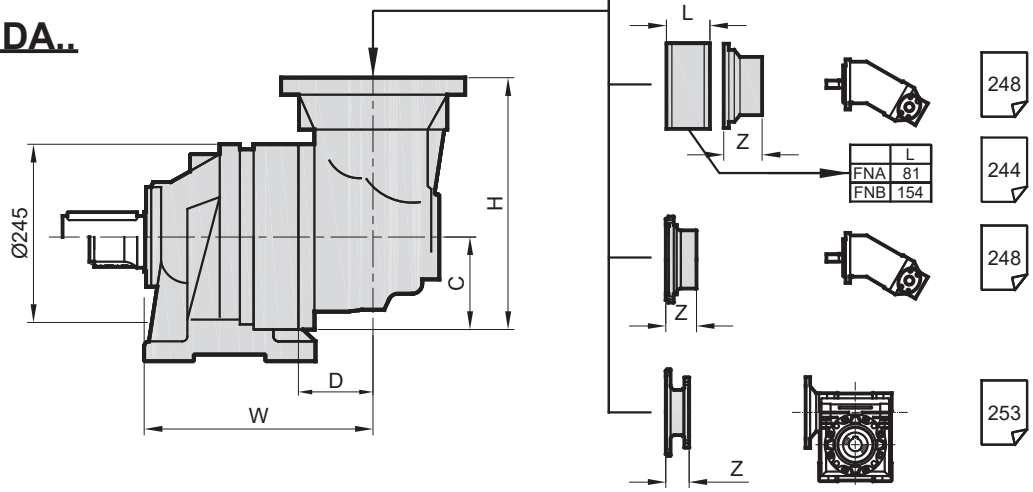
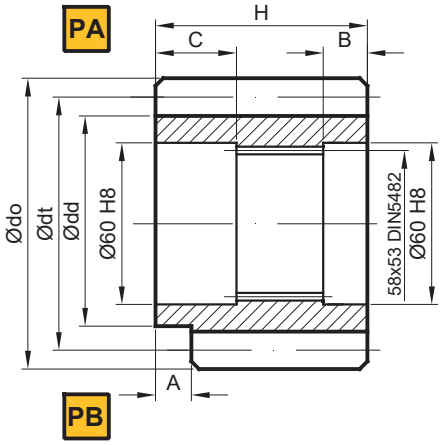


Stage	W	D	C	H	A	PD FVC	PDA FVC
S1	-	-	-	-	215	46	-
S2	290	75	92,5	253,5	263	52,4	63,4
S3	338	75	92,5	253,5	311	58,9	69,9
S4	386	75	92,5	253,5	359	65,6	76,6

	H71		H80 / 90		H100 / 112		H132		H160 / 180	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z
S1	185	35,5	201	61,5	247	71	300	104	350	120,5
S2	185	35,5	201	61,5	247	71	300	104	350	120,5
S3	185	35,5	201	61,5	-	-	300	104	350	120,5
S4	185	35,5	201	61,5	-	-	300	104	350	120,5

PD/PDA 105

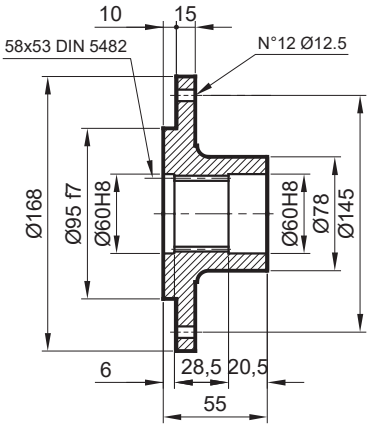
P *Pinyon / Pinion / Ritzel*



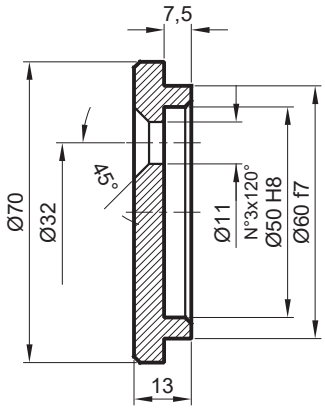
	m	z	x	dd	dt	do	H	A	B	C	Malzeme *Material* Material
PA	8	13	0	88	104	120	68	0	8.5	22.5	42CrMo4
PA	8	11	0.85	74.8	88	110.8	68	0	8.5	22.5	42CrMo4
PA	8	12	0.1	88	96	112.8	68	0	8	21	42CrMo4
PB	10	14	0.24	117.4	140	162.4	116	13	9.5	22.5	42CrMo4
PA	8	15	0	100	120	136	68	0	8.5	22.5	42CrMo4
PA	6	14	0.6	72.6	84	99.6	95	0	23	21	42CrMo4
PA	10	11	1.21	97.1	110	142.1	90	0	8	22.5	42CrMo4

FL Flanş / *Flange* / Flansch

	A	B
FS	68	37
HS	80	49



SP Sabitleme Pulu / *Stop bottom plate* / Endscheibe

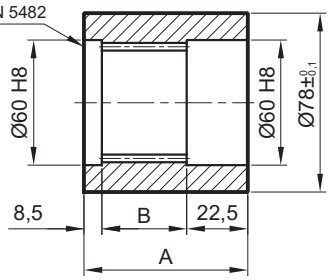


FK Frezeli Kaplin / *Spined bushing* Innenverzahnte Buchse

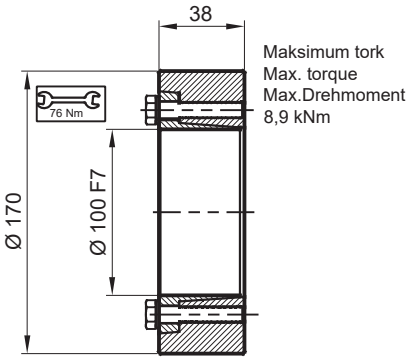
Malzeme /Material Material

DIN 1.7225
42CrMo4

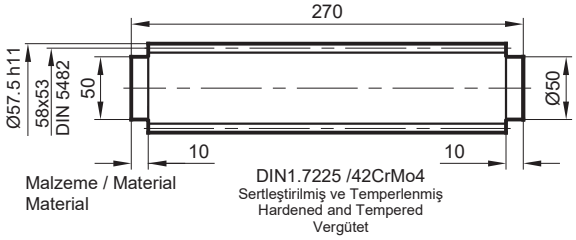
	A	B
FS	68	37
HS	80	49



SB Sıkma Bileziği / Shrink disc Schrumpfscheibe



FM Frezeli Mil / Splined rod Außenverzahnte Welle



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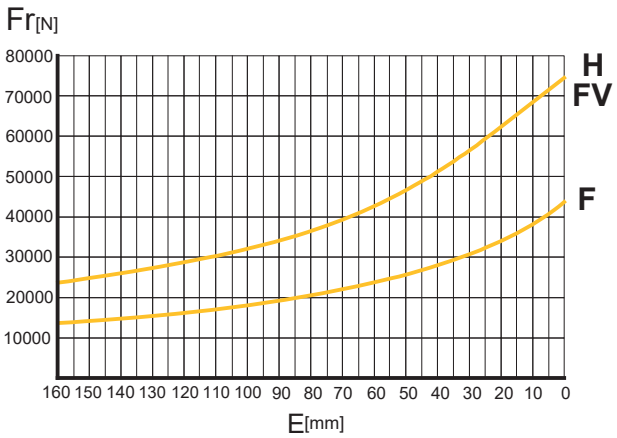
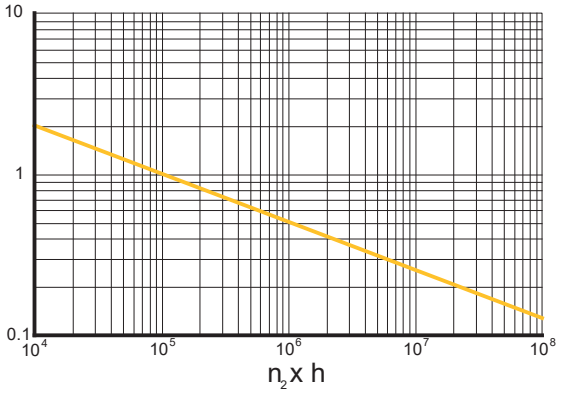
RADYAL YÜK(Fr)
Aşağıdaki diyagramlar radyal yükleri ve k faktörlerini arzu edilen n_2x h değerlerinde verir.

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

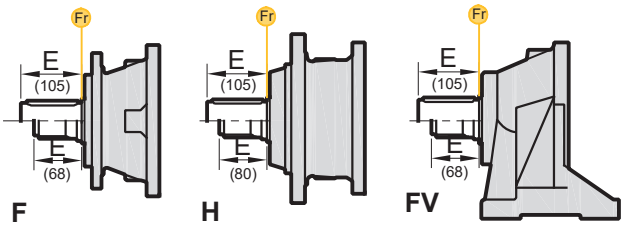
RADIALLAST (Fr)
In den nachstehenden Diagrammen ist die Radiallast und der Koeffizient K dargestellt und kann mit dem gewünschten Wert n_2x h verglichen werden.

F-H-FV





	nxh				
	10^5	10^4	10^6	10^7	10^8
F-H	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	H-FV	
	32000	32000	←
	32000	48000	→