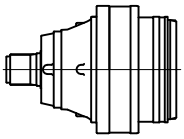
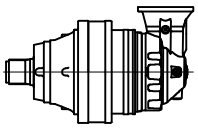
IPR 109

	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			
IPR 109 S1	3.66	7930	7020	5970	5290	2800	14040	30
	4.42	7240	6410	5450	4830	2800	12820	30
	5.00	6360	5630	4790	4240	2800	11260	30
	5.80	5380	4760	4050	3590	2800	9520	30
	7.00	4350	3850	3280	2900	2800	7700	30
IPR 109 S2	13.8	7930	7020	5970	5290	2800	14020	18
	18.2	7240	6410	5450	4830	2800	12820	18
	20.6	6360	5630	4790	4240	2800	11260	18
	22.8	7240	6410	5450	4830	2800	12820	18
	26.5	7240	6410	5450	4830	2800	12820	18
	30.0	6360	5630	4790	4240	2800	11260	18
	36.2	6360	5630	4790	4240	2800	11260	18
	42.0	5380	4760	4050	3590	2800	9520	18
	50.7	4350	3850	3280	2900	2800	7700	18
IPR 109 S3	53.7	7930	7020	5970	5290	2800	14040	14
	64.8	7930	7020	5970	5290	2800	14040	14
	71.6	7240	6410	5450	4830	2800	12820	14
	78.2	7240	6410	5450	4830	2800	12820	14
	88.3	6360	5630	4790	4240	2800	11260	14
	93.6	7240	6410	5450	4830	2800	12820	14
	102.1	7930	7020	5970	5290	2800	14040	14
	112.9	7240	6410	5450	4830	2800	12820	14
	127.8	7930	7020	5970	5290	2800	14040	14
	139.2	6360	5630	4790	4240	2800	11260	14
	148.7	7240	6410	5450	4830	2800	12820	14
	155.3	6360	5630	4790	4240	2800	11260	14
	174.3	6360	5630	4790	4240	2800	11260	14
	194.8	5380	4760	4050	3590	2800	9520	14
	216.7	7240	6410	5450	4830	2800	12820	14
	244.6	6360	5630	4790	4240	2800	11260	14
	283.8	5380	4760	4050	3590	2800	9520	14
	342.5	4350	3850	3280	2900	2800	7700	14
IPR 109 S4	301.1	7930	7020	5970	5290	2800	14040	8
	332.4	7930	7020	5970	5290	2800	14040	8
	347.9	7930	7020	5970	5290	2800	14040	8
	400.6	7930	7020	5970	5290	2800	14400	8
	434.3	7930	7020	5970	5290	2800	14400	8
	474.3	7930	7020	5970	5290	2800	14400	8
	523.5	7930	7020	5970	5290	2800	14400	8
	571.7	7930	7020	5970	5290	2800	14400	8
	632.7	7240	6410	5450	4830	2800	12820	8
	661.8	7240	6410	5450	4830	2800	12820	8
	747.3	6360	5630	4790	4240	2800	11260	8
	768.6	7240	6410	5450	4830	2800	12820	8
	832.3	7240	6410	5450	4830	2800	12820	8
	869.9	6360	5630	4790	4240	2800	11260	8
	976.4	6360	5630	4790	4240	2800	11260	8
	1048.6	6360	5630	4790	4240	2800	11260	8
	1177.0	6360	5630	4790	4240	2800	11260	8
	1366.8	6360	5630	4790	4240	2800	11260	8
	1651.4	6360	5630	4790	4240	2800	11260	8
	2968.8	4350	3850	3280	2900	2800	7700	8

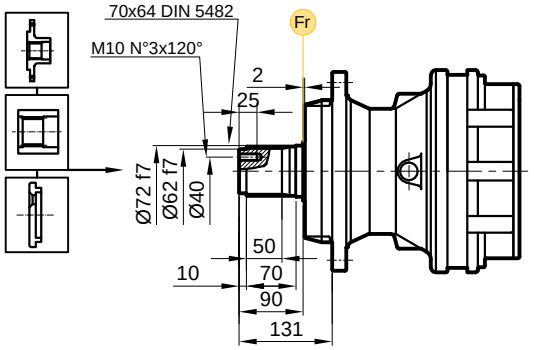
IPRK 109

	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			
IPRK 109 S2	12.6	7930	7020	5970	5290	2800	14040	18
	15.2	7240	6410	5450	4830	2800	12820	18
	17.2	6360	5630	4790	4240	2800	11260	18
	20.0	5380	4760	4050	3590	2800	9520	18
	24.1	7240	6410	5450	4830	2800	12820	18
	27.2	6360	5630	4790	4240	2800	11260	18
	31.5	5380	4760	4050	3590	2800	9520	18
	38.1	4350	3850	3280	2900	2800	7700	18
IPRK 109 S3	53.8	7240	6410	5450	4830	2800	12820	14
	55.5	7240	6410	5450	4830	2800	12820	14
	60.4	6360	5630	4790	4240	2800	11260	14
	67.1	7240	6410	5450	4830	2800	12820	14
	77.9	7240	6410	5450	4830	2800	12820	14
	87.9	6360	5630	4790	4240	2800	11260	14
	94.1	7240	6410	5450	4830	2800	12820	14
	106.3	6360	5630	4790	4240	2800	11260	14
	123.3	5380	4760	4050	3590	2800	9520	14
	148.8	4350	3850	3280	2900	2800	7700	14
IPRK 109 S4	157.7	7930	7020	5970	5290	2800	14040	8
	174.1	7930	7020	5970	5290	2800	14040	8
	190.1	7930	7020	5970	5290	2800	14040	8
	210.3	7240	6410	5450	4830	2800	12820	8
	229.6	7240	6410	5450	4830	2800	12820	8
	248.4	7930	7020	5970	5290	2800	14040	8
	274.8	7240	6410	5450	4830	2800	12820	8
	300.7	7240	6410	5450	4830	2800	12820	8
	331.2	7240	6410	5450	4830	2800	12820	8
	361.6	7240	6410	5450	4830	2800	12820	8
	393.0	5380	4760	4050	3590	2800	9520	8
	453.0	7240	6410	5450	4830	2800	12820	8
	511.4	6360	5630	4790	4240	2800	11260	8
	557.0	5380	4760	4050	3590	2800	9520	8
	593.9	6360	5630	4790	4240	2800	11260	8
	656.7	6360	5630	4790	4240	2800	11260	8
	717.7	6360	5630	4790	4240	2800	11260	8
	832.5	5380	4760	4050	3590	2800	9520	8
	921.5	6360	5630	4790	4240	2800	11260	8
	1068.9	5380	4760	4050	3590	2800	11260	8

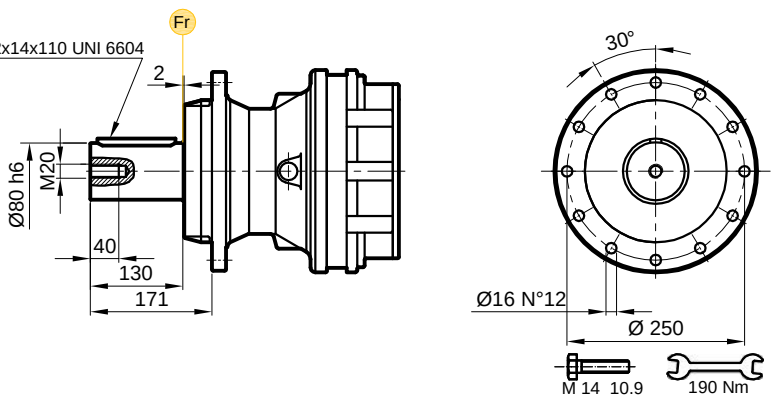
IPR/IPRK 109

GEARBOXES AND DRIVES

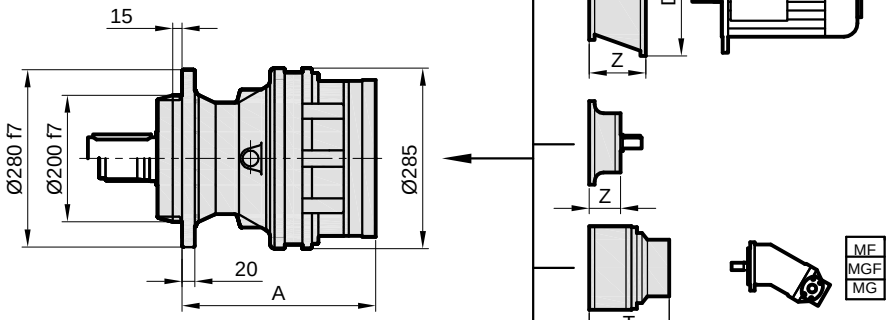
HS



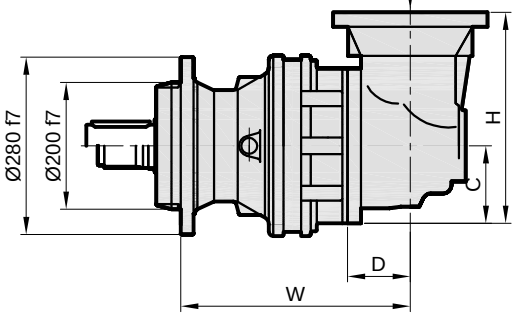
HC

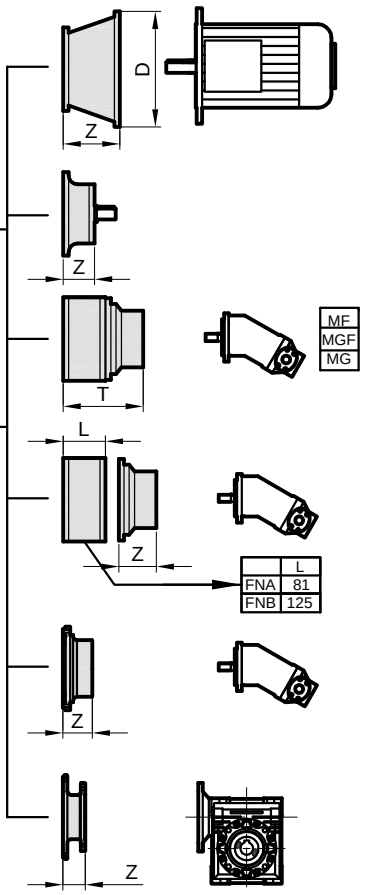


IPR..



IPRK..



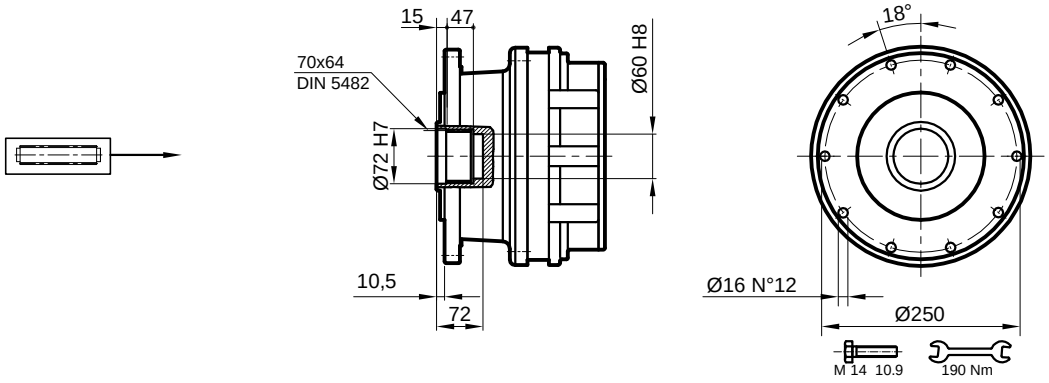


Stage	W	D	C	H	A	IPR H	IPRK H
S1	-	-	-	-	251	67	-
S2	339	88	140	380	310	79	104
S3	385	75	93	252	358	85	94
S4	433	75	93	252	406	91	100

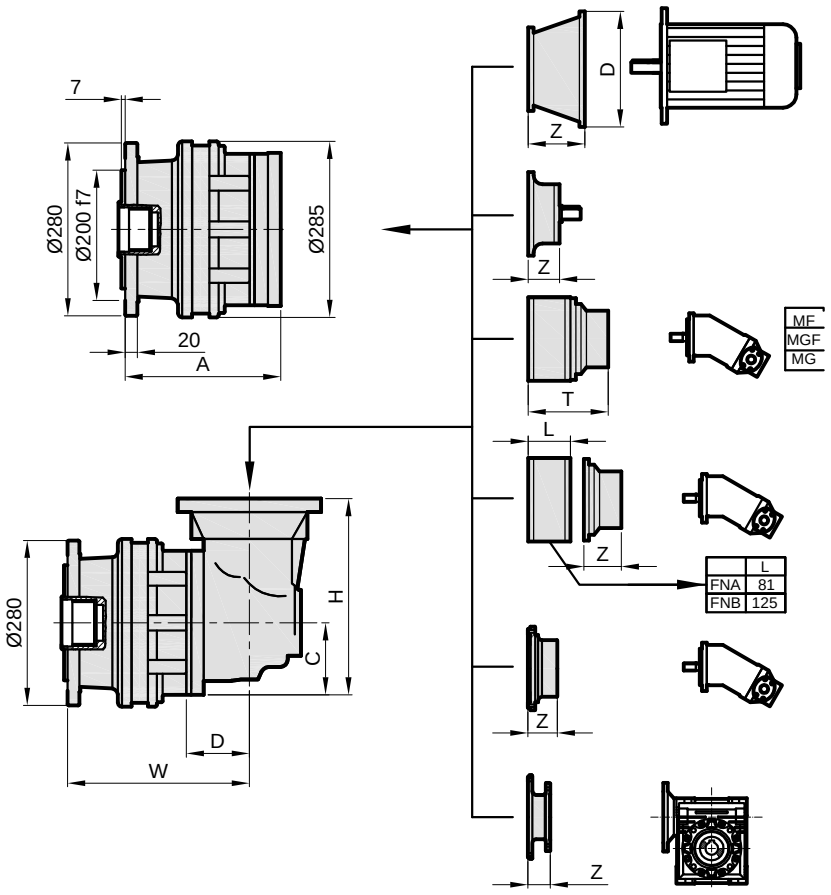
	IEC71		IEC80-90		IEC100		IEC132		IEC160-180		IEC200		IEC225		IEC250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

IPR/IPRK 109

SF



IPR..



IPRK..

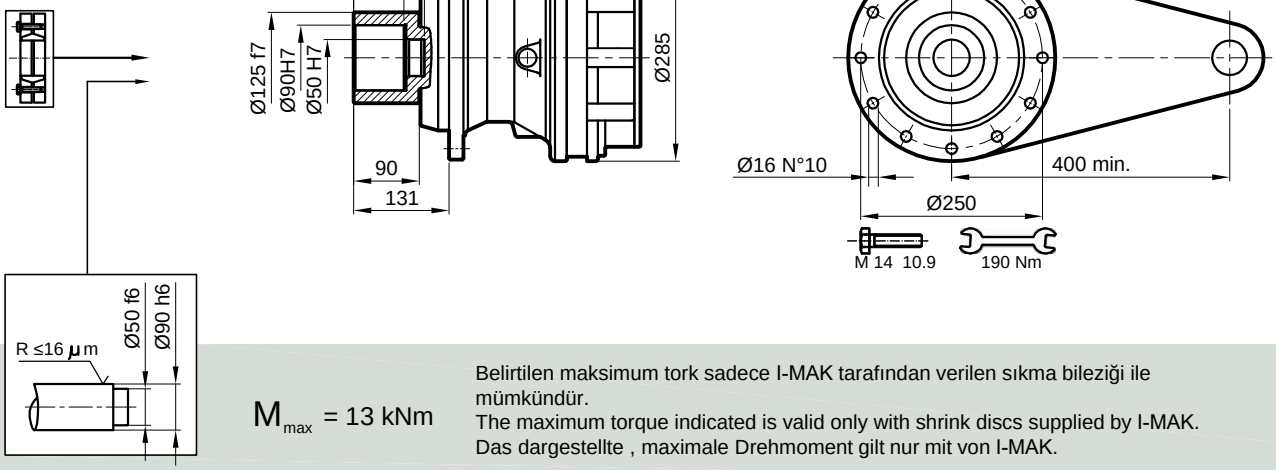
Stage	A	D	C	H	W	IPR SF	IPRK SF
S1	197	-	-	-	-	49	-
S2	257	88	140	380	285	61	86
S3	305	75	93	252	332	67	76
S4	353	75	93	252	380	73	82

	IEC71		IEC80-90		IEC100		IEC132		IEC160-180		IEC200		IEC225		IEC250-280	
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	-	-	-	-	-	-

IPR/IPRK 109

GEARBOXES AND DRIVES

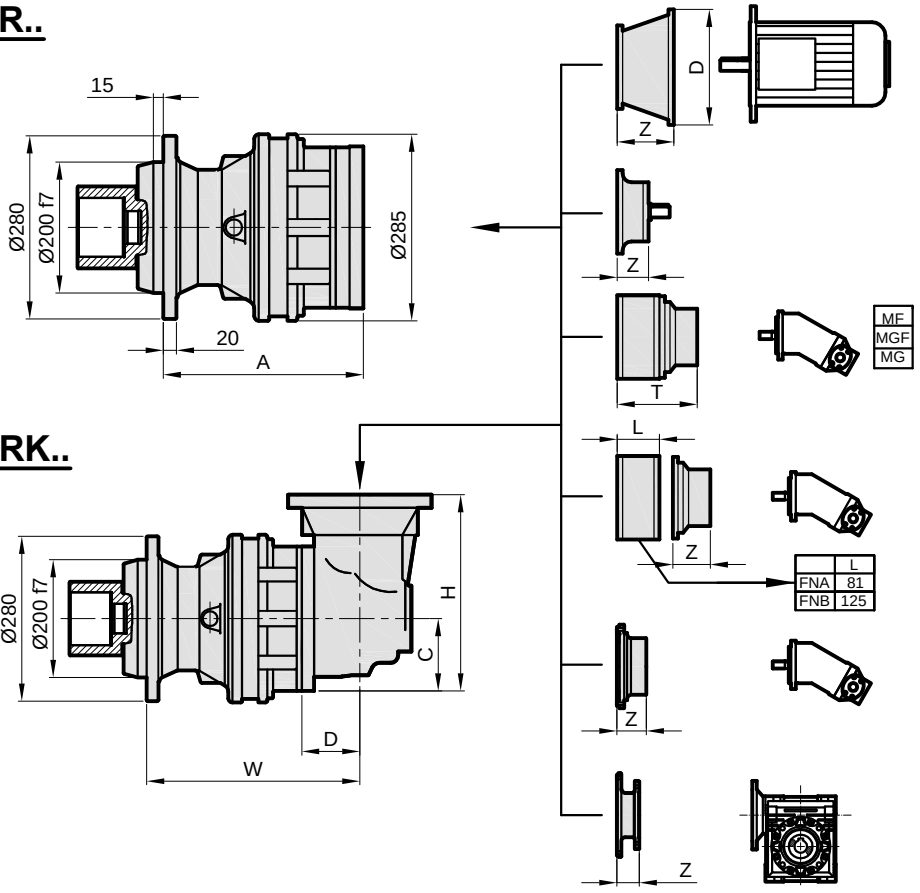
SDF



M_{max} = 13 kNm

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

IPR..



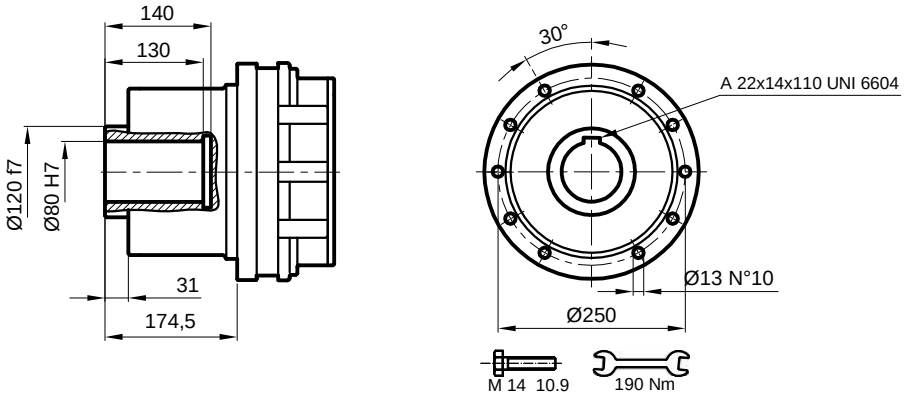
IPRK..

Stage	W	D	C	H	A	IPR SDF	IPRK SDF
S1	-	-	-	-	251	70	–
S2	339	88	140	380	310	82	107
S3	385	75	93	252	358	88	97
S4	433	75	93	252	406	94	103

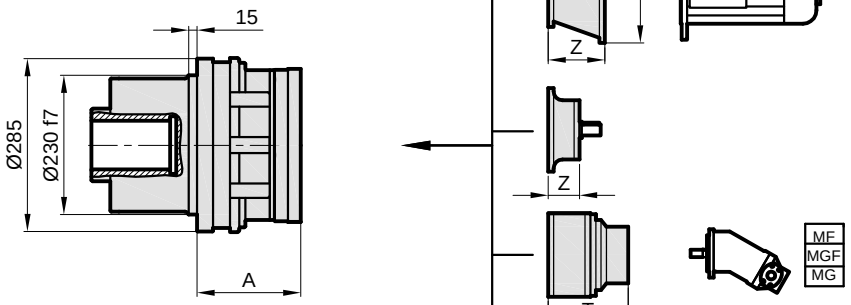
	IEC71		IEC80-90		IEC100		IEC132		IEC160-180		IEC200		IEC225		IEC250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

IPR/IPRK 109

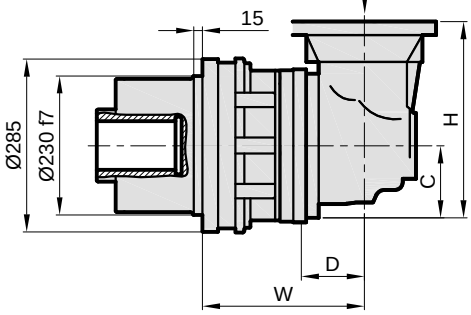
DKM



IPR..



IPRK..

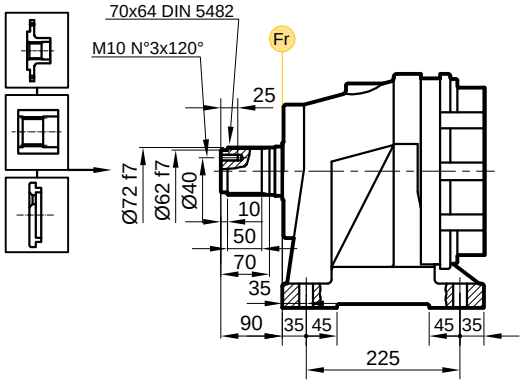


Stage	W	D	C	H	A	IPR SDF	IPRK SDF
S1	-	-	-	-	218	70	–
S2	307	88	140	380	277	82	107
S3	352	75	93	252	325	88	97
S4	400	75	93	252	373	94	103

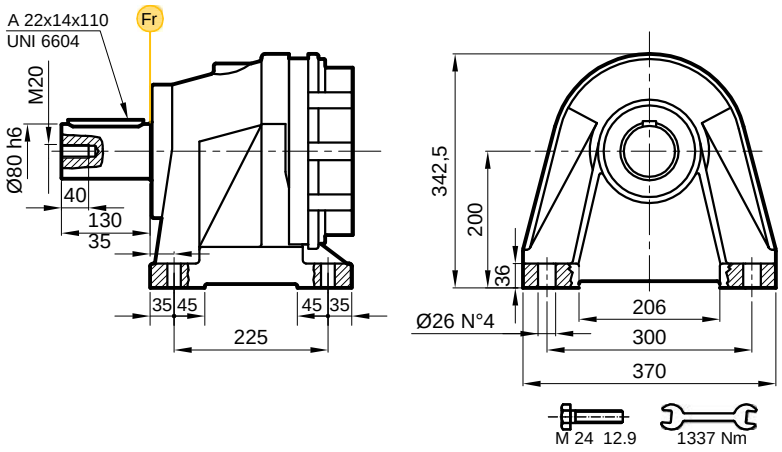
	IEC71		IEC80-90		IEC100		IEC132		IEC160-180		IEC200		IEC225		IEC250-280	
Stage	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z	D	Z
S1	-	-	-	-	-	-	-	-	350	120	400	148	450	148	550	183
S2	185	32	200	60	250	71	300	104	350	120	400	148	450	148	-	-
S3	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-
S4	185	32	200	60	250	71	300	104	350	120	-	-	-	-	-	-

IPR/IPRK 109

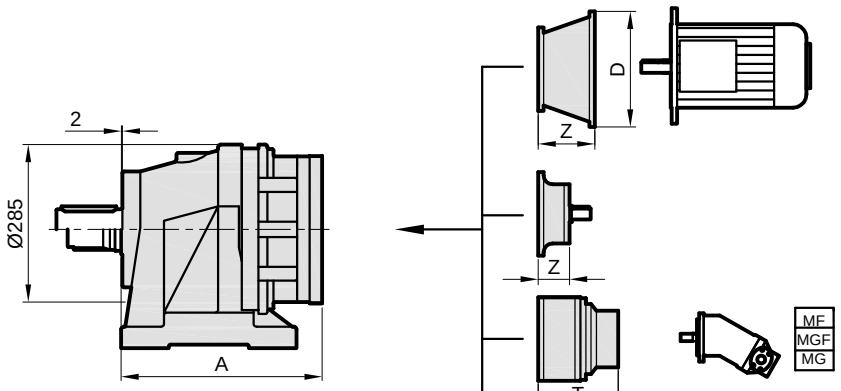
FVS



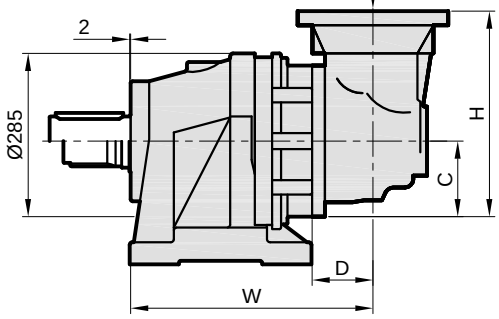
FVC



IPR..



IPRK..

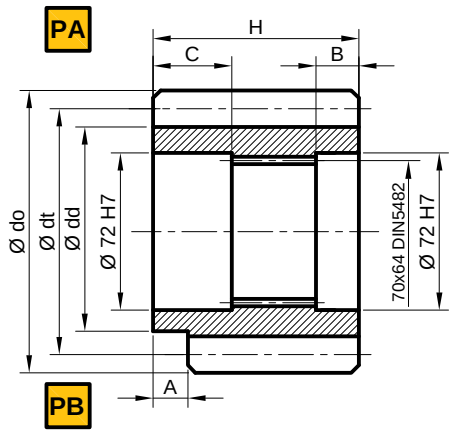


Stage	W	D	C	H	A	IPR / FVC	IPRK / FVC
S1	-	-	-	-	292	83	-
S2	380	88	140	380	351	95	120
S3	426	75	93	252	400	101	110
S4	475	75	93	252	447	107	116

	IEC71		IEC80-90		IEC100		IEC132		IEC160-180		IEC200		IEC225		IEC250-280	
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	-	-	-	-	-	-

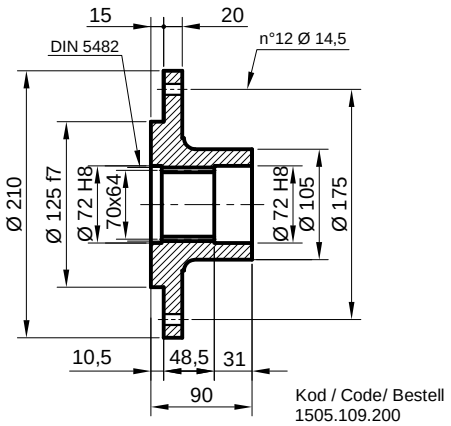
IPR/IPRK 109

P *Pinyon / Pinion / Ritzel*



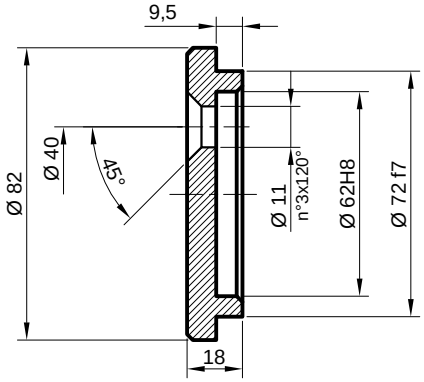
	m	z	x	dd	dt	do	H	A	B	C	Malzeme *Material* Material	Kod / Code / Bestell
PA	10	11	1,21	72,9	110	142,1	90	0	10	31	18NiCrMo5	1501.109.001
PB	10	11	1,21	72,9	110	142,1	90	9	18,5	31	18NiCrMo5	1502.109.001
PA	10	12	0	95	120	140	90	0	10	31	38NiCrMo4	1501.109.002
PA	10	13	0	95	120	155	90	0	10	30	38NiCrMo4	1501.109.003

FL Flanş / *Flange* / Flansch



Kod / Code/ Bestell
1505.109.200

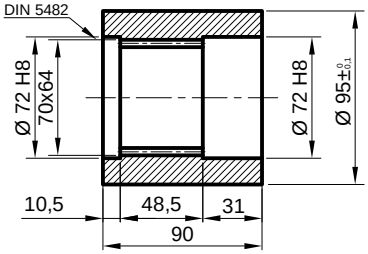
SP Sabitleme Pulu / *Stop bottom plate* / Endscheibe



Kod / Code / Bestell
1507.109.250

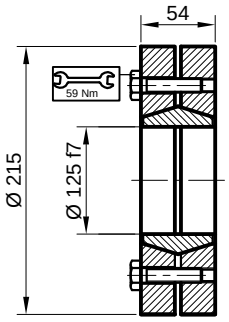
FK Frezeli Kaplin / *Spined bushing* Innenverzahnte Buchse

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



Kod / Code / Bestell
1503.109.100

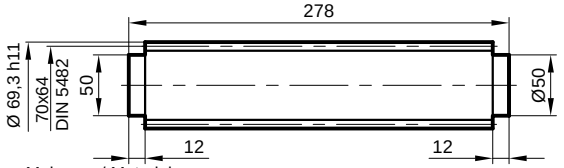
SB Sıkma Bileziği / Shrink disc Schrumpfscheibe



Maksimum tork
Max. torque
Max.Drehmoment
13 kNm

Kod / Code / Bestell
2501.109.001

FM Frezeli Mil / Splined rod Außenverzahnte Welle



Malzeme / Material
Material
UNI 39NiCrMo3
Sertleştirilmiş ve Temperlenmiş
Hardened and Tempered
Vergütet

Kod / Code / Bestell
1509.109.260

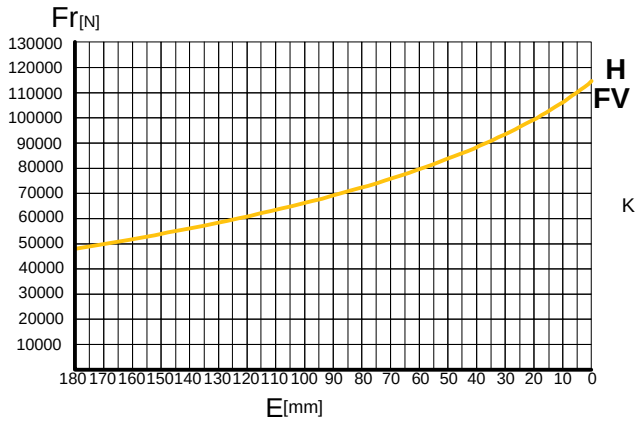
IPR/IPRK 109

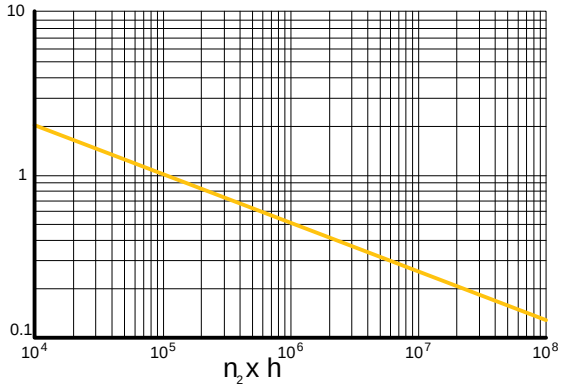
RADYAL YÜK(Fr)
Aşağıdaki diyagramlar radyal yükleri ve k faktörlerini arzu edilen n_2x h değerlerinde verir.

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

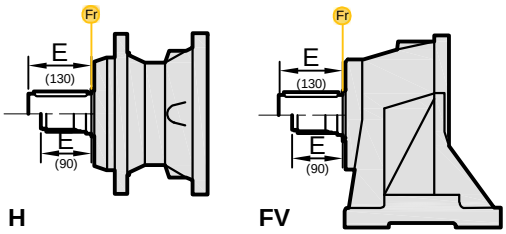
RADIALLAST (Fr)
In den nachstehenden Diagrammen ist die Radiallast und der Koeffizient K dargestellt und kann mit dem gewünschten Wert n_2x h verglichen werden.

H-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 awial 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]	H	FV	
	40000	40000	←
	60000	60000	→