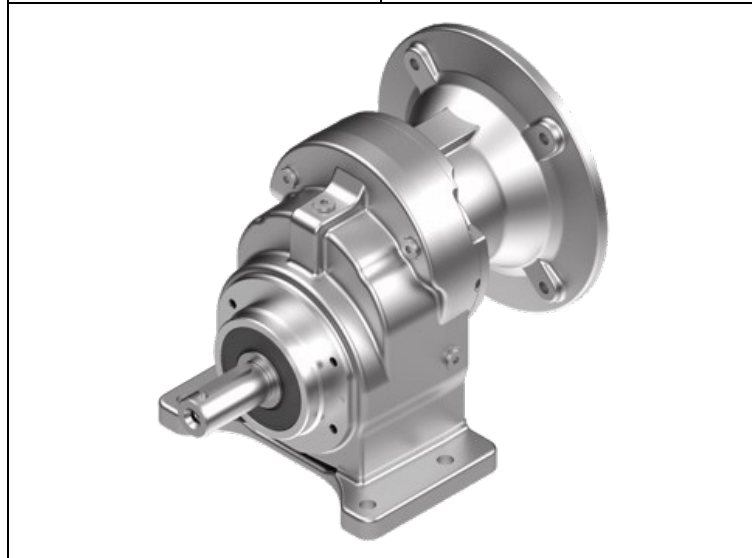


Helical Gear Units A/F Series

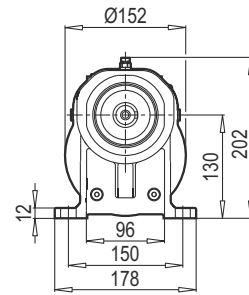
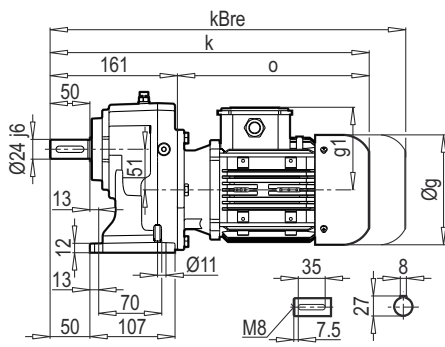
Technic Selection	
Type	AF_M
Input Option	Without Motor
Assembly Shaft Design	SINGLE SOLID SHAFT
Body Size	351
Frequency [Hz]	50
fs	5.0
iges	3.22
M2 [Nm]	16
M2max [Nm]	80
Motor Efficiency	IE2
Motor Size	80/4P
n1 [rpm]	1400
n2 [rpm]	434.8
P1 [kW]	0.75
P1max [kW]	3.72



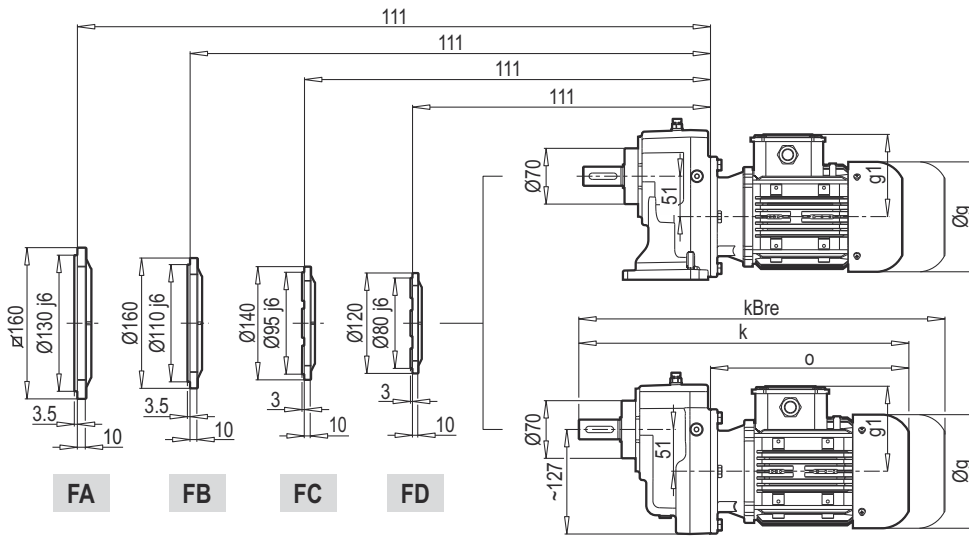
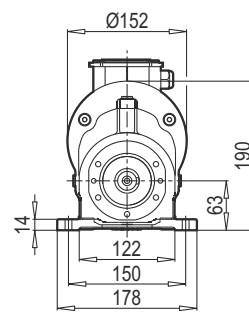
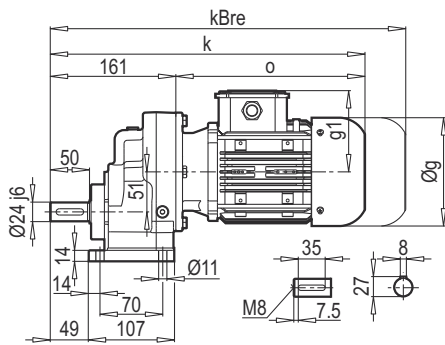
Variation	
Input Connection Type	PAM
Input Backstop Status	Without Backstop
Output Shaft Diameter	ØDxL=Ø24j6x50[mm]
Mounting Position	M1
Input Connection Size	PAM-80-B5

Option	
Oil Status	Exist
Oil Type	Mineral ISO VG 220
Vent Plug	Standard
Oil Indicator Plug	None
Product Label	Standard
Color	RAL 7000
Montage Position Status	Standard
Amount Of Oil [Liter]	0,6
Case Material	GGG-40
Reinforced Bearing Status	None
Output Oil Seal Type	NBR
Output Bearing Quality	Standard

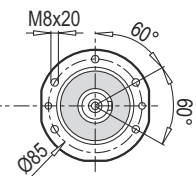
A 351



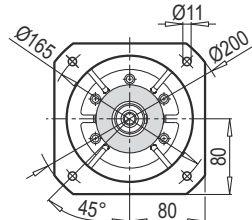
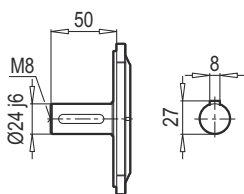
AF-M 351



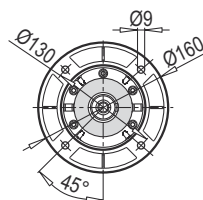
AF 351



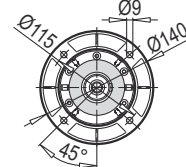
F 351



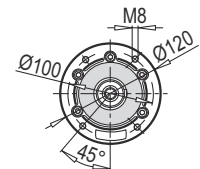
FA



FB



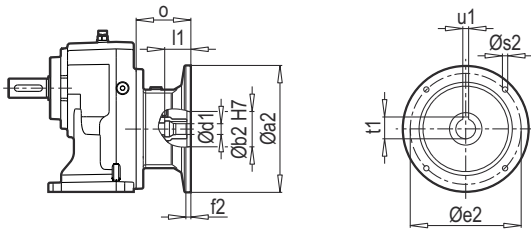
FC



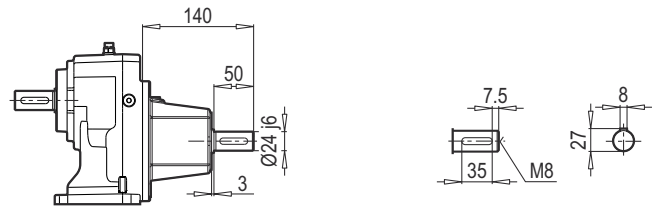
FD

	71 M	80 M	90 S	90 L	100 L	112 M		
g	140	159	193	193	217	232		
g1	119	127	151	151	160	168		
k	402	428	474	494	495	554		
kBre	462	490	547	567	576	634		
o	241	267	313	333	334	393		

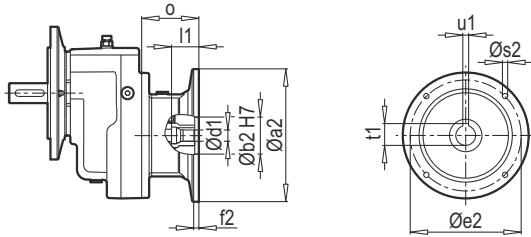
A 351 PAM B5/B14



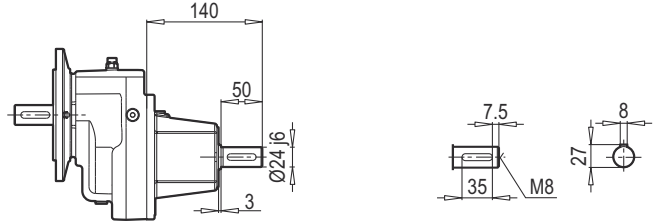
A 351 W



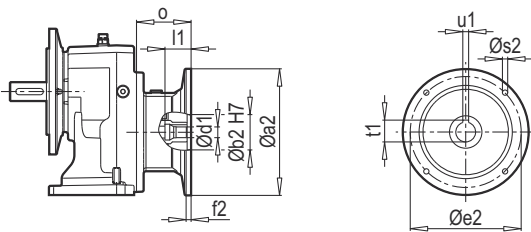
F 351 PAM B5/B14



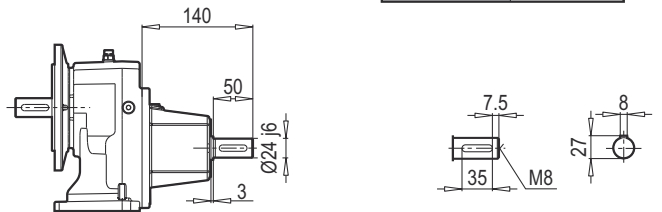
F 351 W



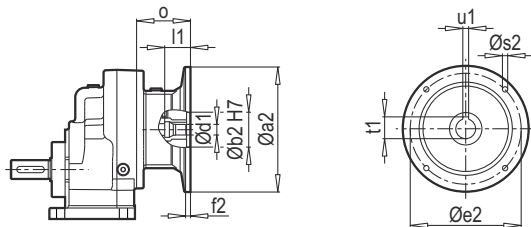
AF 351 PAM B5/B14



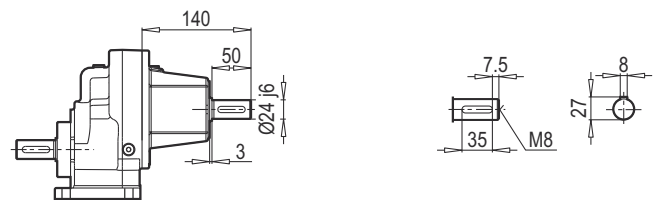
AF 351 W



AF-M 351 PAM B5/B14



AF-M 351 W



W ~ Kg	
A/F 351	12

Tip / Type Typ / Tipo Type / Tipo	PAM B5	Øa2	Øb2	Øe2	f2	Øs2	Ød1	l1	t1	u1	o
A/F 351	71	160	110	130	5	M8	14	32	16.3	5	69
	80	200	130	165	5	M10	19	42	21.8	6	90
	90	200	130	165	5	M10	24	52	27.3	8	90
	100	250	180	215	5.5	M12	28	62	31.3	8	105
	112	250	180	215	5.5	M12	28	62	31.3	8	105

~ Kg	
PAM B5	A/F 351
71	8
80	8.5
90	8.5
100	13
112	13

Tip / Type Typ / Tipo Type / Tipo	PAM B14	Øa2	Øb2	Øe2	f2	Øs2	Ød1	l1	t1	u1	o
A/F 351	71	105	70	85	2.5	7	14	32	16.3	5	69
	80	120	80	100	3	7	19	42	21.8	6	90
	90	140	95	115	3	9	24	52	27.3	8	90
	100	160	110	130	3.5	9	28	62	31.3	8	105
	112	160	110	130	3.5	9	28	62	31.3	8	105

~ Kg	
PAM B14	A/F 351
71	7
80	7.5
90	7.5
100	9.5
112	9.5

TR RADYAL YÜKLER - TEKNİK TANIMLAR

IT CARICHI RADIALI - DESCRIZIONI TECNICHE

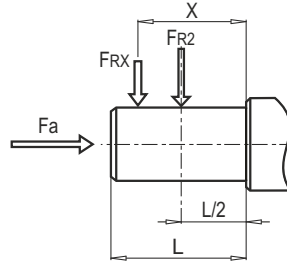
Çıkış Şaftı

Radyal kuvvet çıkış şaftının orta noktasına gelmediğinde kabul edilebilir radyal yük FRX aşağıdaki formül ile hesaplanır.

Alberi in Uscita

Con carico radiale risultante non in mezzera dell'albero, correggere il carico radiale ammissibile FRX con la formula:

$$FRX = \frac{FRX \cdot z}{(y + x)} \quad (N)$$



EN RADIAL LOADS - TECHNICAL DESCRIPTIONS

FR CHARGES RADIALES - DESCRIPTIONS TECHNIQUES

Output Shafts

When the radial load is not on the centre line of the shaft, it is necessary to adjust the admissible radial load FRX with the following formula:

Arbres de Sortie

Quand la charge radiale n'est pas au milieu de l'arbre, il est nécessaire de corriger la charge radiale admissible FRX avec la formule suivante:

DE QUERBELASTUNGEN - TECHNISCHE BESCHREIBUNGEN

ES CARGAS RADIALES - DESCRIPCIONES TECNICAS

Abtriebswellen

Sofern die radiale Querkraft nicht auf die Mitte der welle bezogen ist, ist die effektive zulässige kraft FRX durch formel zu berechnen:

Ejes de Salida

Si la carga radial resultante no se aplica sobre el centro del eje, corregir la carga radial admissible FRX mediante la siguiente fórmula:

A/F	301	351	401	501	601	701
z	89	98	115	151	210	232
y	79	73	85	111	155	177
FR2 max (**)	1000	2500	3700	4000	5000	6000
Fa max (*)	5500	6500	7000	8500	11500	13500

A/F	202	202 G	252-253	302-303	352-353	402-403	502-503	602-603	702-703	902-903
z	86,5	103	120	138	169	195	238	281	331	367
y	66,5	83	96	108	134	155	188	221	261	282
FR2 max(**)	2500	2800	5500	6600	8000	12000	18000	22000	30000	55000

(**FR2) Redüktörün kabul edilen max. değerini performans tablolarından doğrulayınız.

(**FR2) Max. admissible value of the reducer; verify max. admissible value on performance tables.

(**FR2) Entspricht dem max. zulässigen getriebe wert; bitte beachten sie den max. wert de tabelle.

(**FR2) Valore massimo ammesso dal riduttore; verificare valore massimo ammesso su tabelle di prestazioni.

(**FR2) Valeur maximale admissible du réducteur; vérifier la valeur maxi admissible dans les tableaux de performances.

(**FR2) Valor máximo admisible por el reductor; verificar el valor máximo admisible en las tablas de preestaciones.

(*) Tek yönlü maksimum aksel yük değerleri bir basma yatağı kullanılarak (talebe bağlı) kabul edilebilir.

(*) Maximum axial load values admissible in only one direction with the use of a thrust bearing (on request).

(*) Die Werte der maximal zulässigen Axialkräfte beziehen sich auf eine Drehrichtung bei verbautem Axiallager (auf Anfrage).

(*) Valori di carico assiale massimo ammissibile in una sola direzione per versione con cuscinetto reggispinta (a richiesta).

(*) Valeurs de charge axiale maximum admissible dans une seule direction pour la version avec roulements coniques (sur demande).

(*) Valores de la fuerza axial maxima admissible en un unico sentido con rodamiento axial (bajo demanda).

TR RADYAL YÜKLER - TEKNİK TANIMLAR

IT CARICHI RADIALI - DESCRIZIONI TECNICHE

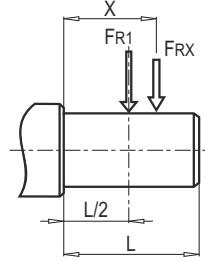
Giriş Şaftı

Radyal kuvvet çıkış şaftının orta noktasına gelmediğinde kabul edilebilir radyal yük FRX aşağıdaki formül ile hesaplanır.

Alberi in Entrada

Con carico radiale risultante non in mezzzeria dell'albero, correggere il carico radiale ammissibile FRX con la formula:

$$FRX = \frac{FR1 \cdot z}{(y + x)} \quad (N)$$



EN RADIAL LOADS - TECHNICAL DESCRIPTIONS

FR CHARGES RADIALES - DESCRIPTIONS TECHNIQUES

Input Shafts

When the radial load is not on the centre line of the shaft, it is necessary to adjust the admissible radial load FRX with the following formula:

Arbres D'entree

Quand la charge radiale n'est pas au milieu de l'arbre, il est nécessaire de corriger la charge radiale admissible FRX avec la formule suivante:

DE QUERBELASTUNGEN - TECHNISCHE BESCHREIBUNGEN

ES CARGAS RADIALES - DESCRIPCIONES TECNICAS

Antriebswellen

Sofern die radiale Querkraft nicht auf die Mitte der welle bezogen ist, ist die effektive zulässige kraft FRX durch formel zu berechnen:

Ejes de Entrada

Si la carga radial resultante no se aplica sobre el centro del eje, corregir la carga radial admissible FRX mediante la siguiente fórmula:

A/F - W	301	351	401	501	601	701
z	105	105	105	137	175	175
y	80	80	80	108	135	135
FR1 max (**)	1320	1800	2200	2500	3000	3000

A/F - W	202	202 G	252-253	302-303	352-353	402-403	502-503	602-603	702-703	902-903
z	-	-	105	105	105	137	137	175	175	225
y	-	-	80	80	80	108	108	135	135	170
FR1 max (**)	-	-	2200	2200	2500	3600	3600	7200	7200	15000

(**FR1) Redüktörün kabul edilen max. değerini performans tablolarından doğrulayınız.

(**FR1) Max. admissible value of the reducer; verify max. admissible value on performance tables.

(**FR1) Entspricht dem max. zulässigem getriebe wert; bitte beachten sie den max. wert de tabelle.

(**FR1) Valore massimo ammesso dal riduttore; verificare valore massimo ammesso su tabelle di prestazioni.

(**FR1) Valeur maximale admissible du réducteur; vérifier la valeur maxi admissible dans les tableaux de performances.

(**FR1) Valor máximo admisible por el reductor; verificar el valor máximo admisible en las tablas de preestaciones.