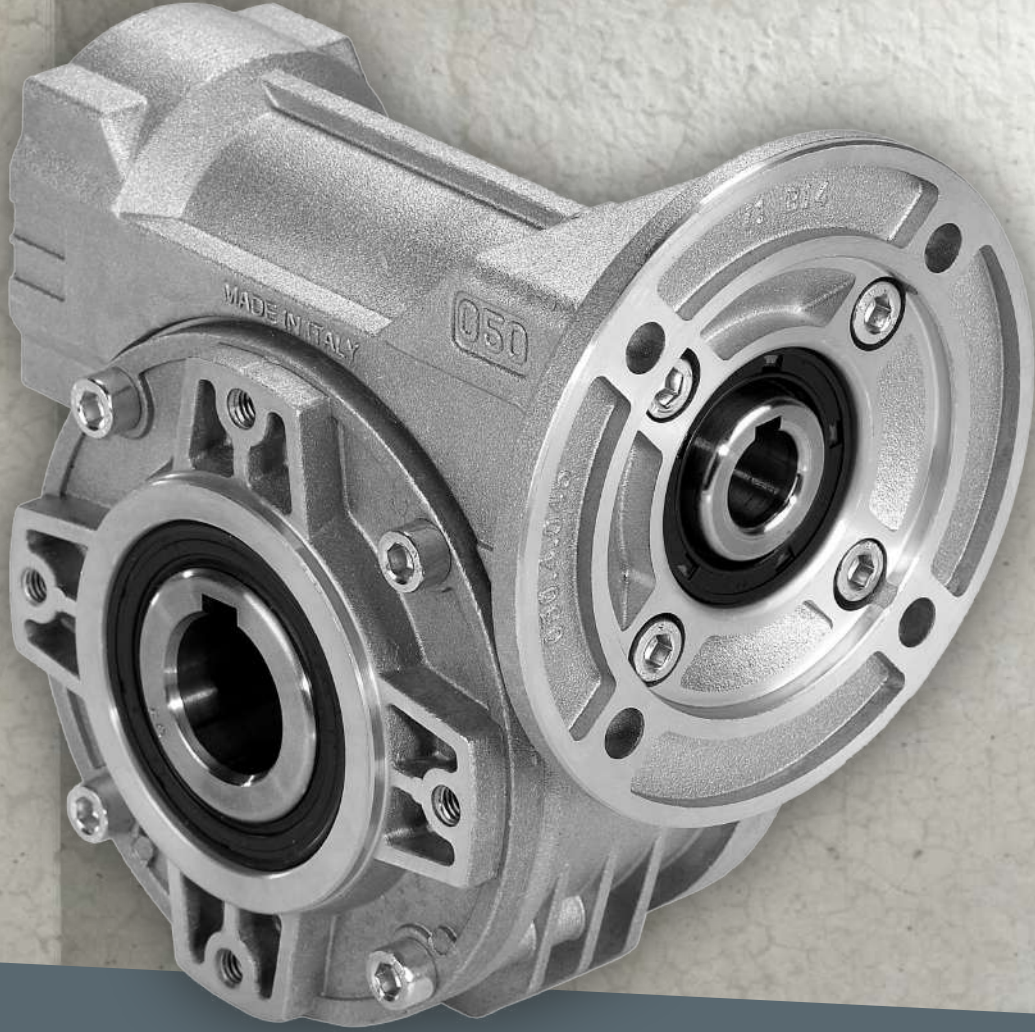


ZET
R e d ü k t ö r



**Yuvarlak Gövde Sonsuz Vidalı
Redüktörler Ürün Kataloğu**
Round Worm Gearboxes



2024

Sonsuz Vidalı Redüktörler / Worm Gearboxes

1

Tek Parça Alüminyum Alaşımli Gövde

MIL-STD 276 standardına göre üretilmiş gövde için herhangi bir ikincil yüzey işleme gerek yoktur. Yüzeyler boyanabilir. Hafif gövde yapısı ve yüksek mukavemet birlikte sunulmaktadır. Yüksek hasssiyette işlenmiştir.

Single-piece aluminum alloy housing

Is vacuum impregnated (MIL-STD 276) for protection and sealing.

No secondary finish required but readily accepts paint. Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing.

Tek parça alaşımli çelik giriş mili ve sonsuz vida çark dişlisi

Yüksek helis açılı sonsuz vida, ısı işlem görmüş (58-60 HRC), silindirik ve profil taşlanmıştır. Düşük ses seviyesi ve yüksek verim için çeşitli profil düzeltmeleri yapılmıştır.

Single piece alloy steel input shaft and worm shaft.

High helix angle worm is case-hardened (Rc 58-60), ground, teeth are profiled and radiused, for noise reduction and enhanced efficiency.

Flanş

Tüm giriş flanşları IEC standardına uygundur.

Flange

Fully modular to IEC and compact integrated motor. NEMA C flange.

Keçe

Yüksek sıcaklığa dayanıklı NBR keçeler kullanılmaktadır.

Premium, high temperature

Nitrile® output seals

Giriş Mili

Sonsuz vida milinde şok yüklerle, dur kalk çalışmaya ve ters yönlü çalışmaya uygun ön gerilmeli rulmanlar, yüksek sıcaklığa dayanıklı NBR keçeler ile birlikte kullanılmıştır.

Oversized bearings

Support positively-retained, high speed shaft for higher shock load capacity - ideal for frequent starting and reversing application. Premium, Nitrile® high temperature seals each end.

Sonsuz Vida Çark Dişlisi

Santrifüj döküm tekniği ile üretilmiş bronz alaşımli sonsuz vida çarkı maksimum mukavemet için çelik göbek ile birleştirilmiştir.

Bronze alloy worm gears.

Is centrifugally cast onto an iron hub for maximum strenght and superior life.

Çıkış Mili

Tork kollu kullanıma uygun kovan çıkış mili, tek ve çift çıkış mili opsiyonları sunulmaktadır.

Standard hollow output shaft mounting

Reduces total drive envelope size, weight and cost.

Single and double solid output shaft is available.

Rulmanlar

Yüksel radyal ve eksenel yük taşıma kapasitesine sahip rulmanlar kullanılmıştır.

Oversize bearing

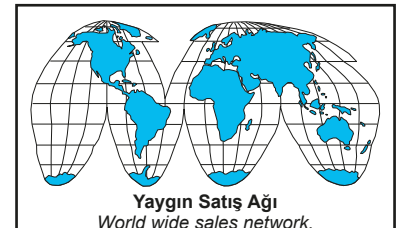
For radial load capability and maximum hollow output shaft diameter.

Yağlama

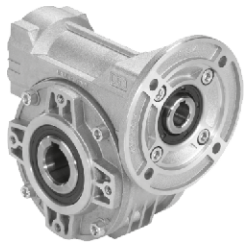
Redüktörler montaj sonrası -15, +130 derece sıcaklığa dayanıklı sentetik yağlar ile yağlanmaktadır. Havalandırma Tapası kullanımına gerek yoktur.

Vent Free Design.

No breather or vents to leak! Factory lubricated for life with synthetic, semi-fluid gear lubricant with an operating range of -15°C to 130°C.



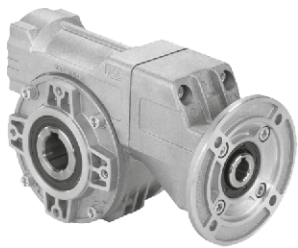
Sonsuz Vidalı Redüktörler / Worm gearboxes



Tip / Types



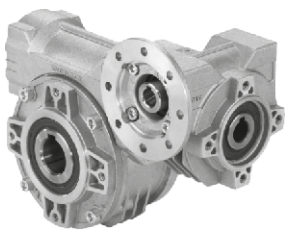
Sayfa / On page					
8	10	12	14	16	18
030 21Nm	045 41Nm	050 72Nm	063 147Nm	085 347Nm	110 651Nm



Tip / Types



Sayfa / On page				
20	22	24	26	28
P45 55Nm	P50 88Nm	P63 187Nm	P85 440Nm	P10 803Nm



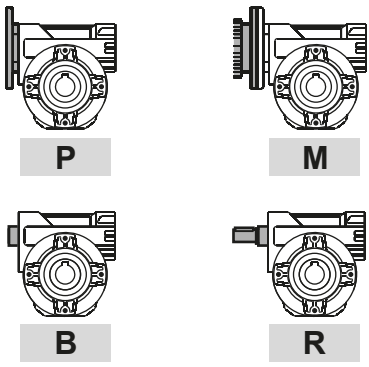
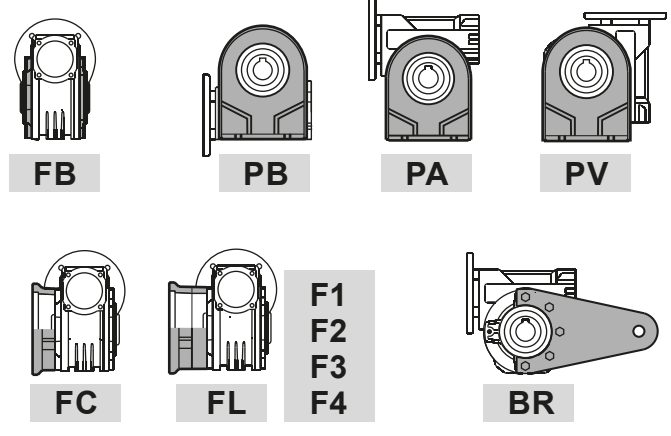
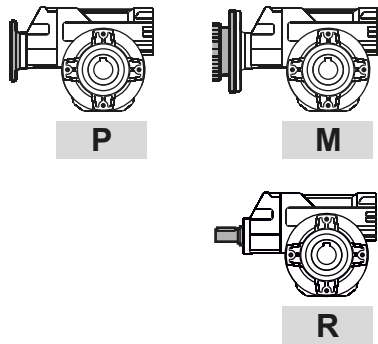
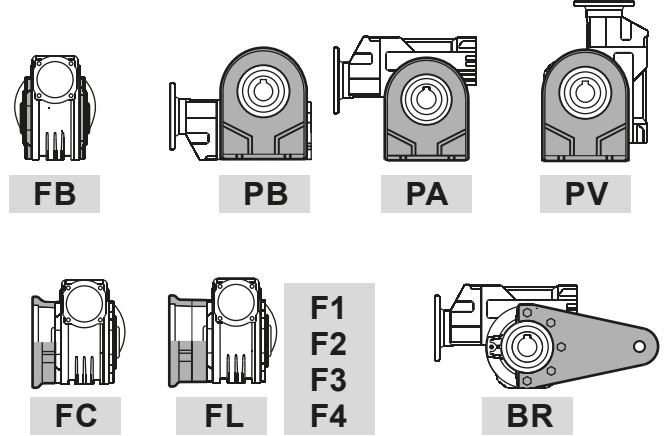
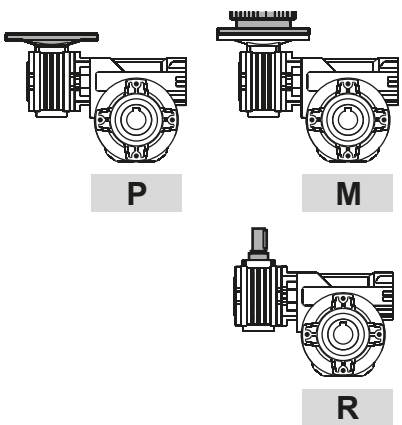
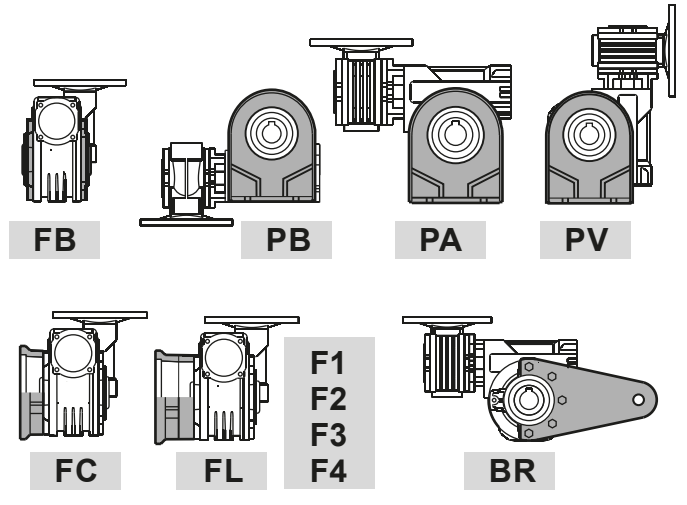
Tip / Types



Sayfa / On page						
30	32	34	36	38	40	42
303 35Nm	453 69Nm	503 109Nm	633 230Nm	634 265Nm	854 518Nm	115 978Nm

NASIL SİPARİŞ EDİLİR / HOW TO ORDER

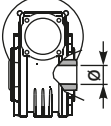
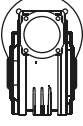
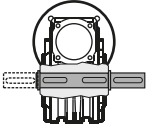
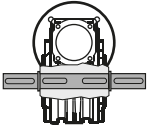
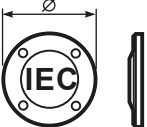




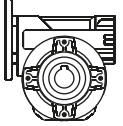
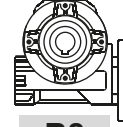
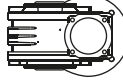
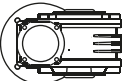

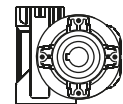
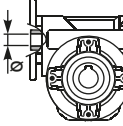
1

Tip / Type	Gövde Büyüklüğü / Size	Montaj Şekli / Mounting
<p>P</p> <p>Sonsuz Vidalı Redüktörler Worm gearboxes</p>  <p>P M B R</p>	<p>045</p> <p>030 045 050 063 63A 085 110</p>	<p>PA</p>  <p>FB PB PA PV FC FL F1 F2 F3 F4 BR</p>
<p>Yavru dişli sonsuz vidalı redüktörler Worm gearboxes with primary reduction</p>  <p>P M R</p>	<p>P45 P50 P63 P6A P85 P10</p>	 <p>FB PB PA PV FC FL F1 F2 F3 F4 BR</p>
<p>Çift sonsuz vidalı redüktörler Combined worm gearboxes</p>  <p>P M R</p>	<p>303 453 503 633 634 6A3 6A4 854 115</p>	 <p>FB PB PA PV FC FL F1 F2 F3 F4 BR</p>



Ürünlerimiz isteğe bağlı olarak ATEX standartlarında tedarik edilebilir.
On request we can deliver our products according to the ATEX

NASIL SİPARİŞ EDİLİR / HOW TO ORDER

Tahvil Oranı Ratio	Çıkış Mili Hub	Çıkış Mili Konfigürasyonu Output shaft	Motor Büyüklüğü Motor size	Terminal Kutusu Pozisyonu Terminal box position	Montaj Pozisyonu Mounting position	Düşük Çaplı Giriş Mili Konfigürasyonu Reduced Input bore	Montaj Pozisyonu Mounting position
10	C	Ø	-Q	B	B3	-	---
Ölçü tablolarına bakınız See technical data table	 C STANDART 030 ⇨ Ø14 045 ⇨ Ø18 050 ⇨ Ø25 063 ⇨ Ø25 63A ⇨ Ø28 085 ⇨ Ø35 110 ⇨ Ø42 I Paslanmaz çelik çıkış mili Stainless steel hub	 Ø  S  D	 -M Flanşsız without flange B5 -A =56 (Ø120) -B =63 (Ø140) -C =71 (Ø160) -D =80 (Ø200) -E =90 (Ø200) -F =100+112 (Ø250) -G =132 (Ø300) B14 -O =56 (Ø80) -P =63 (Ø90) -Q =71 (Ø105) -R =80 (Ø120) -T =90 (Ø140) -U =100+112 (Ø160) -V =132 (Ø200) -O =Tip R -S =Tip R S serisi	 A  B STANDART  C  D	 B3  B8  B6  B7  V5  V6	 - Tanımlama yapılmamış ise Nothing indication standard bore P Delik mil çapı bir kademe düşürüldü ise Input bore reduced one size Örnek / Ex. Giriş Flanşı / Input Flange 71 B14 Standart / Standard Ø14 Düşük / Reduced Ø11 Q Delik mil çapı iki kademe düşürüldü ise Input bore reduced two sizes Örnek / Ex. Giriş Flanşı / Input Flange 71 B14 Standart / Standard Ø14 Düşük / Reduced Ø9	Yalnızca çift sonsuz vidalı redüktörler için. Ölçü sayfalarına bakınız. Only for combined units See technical data table

GEREKLİ FORMÜLLER / USEFUL FORMULAS

1

GEREKLİ GÜÇ / REQUIRED POWER

Kaldırma / Lifting

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Döndürme / Rotation

$$P [KW] = \frac{M [Nm] \cdot n [rpm]}{9550}$$

Doğrusal hareket / Linear movement

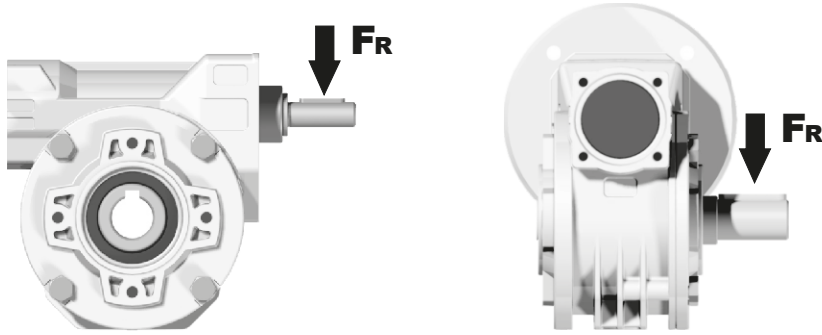
$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

MOMENT / TORQUE

$$M [Nm] = \frac{9550 \cdot P[KW]}{n [rpm]}$$

RADYAL YÜKLER / RADIAL LOADS

- Radyal yükler giriş ve çıkış milinde harici güç aktarım elemanları tarafından oluşturulur
- Radial load generated by external transmissions keyed onto input and/or output shafts.



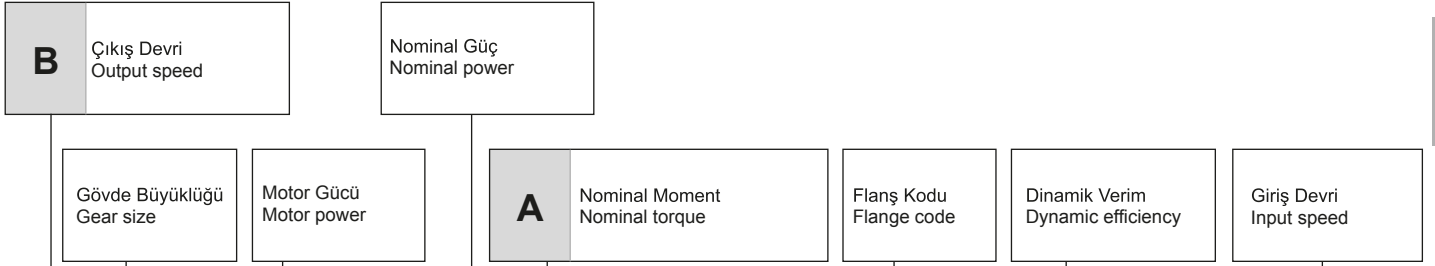
$$F_R [N] = \frac{M [Nm] \cdot 2000}{d [mm]} \cdot f_k$$

M	Çıkış momenti / Output torque
d	Güç aktarım elemanı çapı / Diameter of driving element
f_k	Düzeltilme katsayısı / Factor 1.15 Dişli / Gearwheels 1.25 Zincir Dişli / Chain sprochets 1.75 V kayış / Narrow v-belt pulley 2.50 Düz kayış / Flat-belt pulley

- Daha yüksek radyal yükler için teknik ofisimiz ile iletişime geçiniz.
- If your application requires higher radial loads, contact our technical office. Higher load may be possible.

REDÜKTÖR SEÇİMİ NASIL YAPILIR / HOW TO SELECT A GEARBOX

1



045

**Yuvarlak Gövde
Sonsuz Vidalı Redüktörler
Rightangle - Gear
41Nm**

ZET
Redüktör

PERFORMANS TABLOLARI-DÖKÜM
RATING-CAST IRON WORMGEARBOXES



HIZLI SEÇİM / Quick Selection

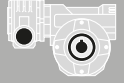
Çıkış devri n_2 [d/d]	Tahvil i	Motor gücü P_{1M} [kW]	Çıkış momenti M_{2M} [Nm]	Servis faktörü f.s.	Nominal güç P_{1B} [kW]	Nominal moment M_{2B} [Nm]	Uygun B5 motor flanşları		Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-O	-P	-Q			
200	7	0.37	14	2.2	0.80	30	B		B-C	B-C		80	2.2	01
140	10	0.37	20	1.5	0.57	30	B		B-C	B-C		79	2.2	02
100	14	0.37	27	1.1	0.41	30	B		B-C	B-C		77	2.4	03



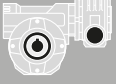
Yük Sınıfı ve Saatteki Dur-Kalk Sayısı Type of load and starts per hour		Günlük Çalışma Süresi Oper. hours per day		
		<2 sa	2-8 sa	8-16sa
Sürekli yada Aralıklı Çalışmada Dur-Kalk Sayısı / Saat ≤ 10 Application with start / stop	Düzgün Yükleme / Uniform	0.9	1	1.25
	Orta Darbeli Yükleme / Moderate	1	1.25	1.5
	Ağır Yükleme / Heavy	1.25	1.5	1.75
Aralıklı Çalışmada Dur-Kalk Sayısı / Saat > 10 Intermittent application with start / hour	Düzgün Yükleme / Uniform	1.25	1.5	1.75
	Orta Darbeli Yükleme / Moderate	1.5	1.75	2
	Ağır Yükleme / Heavy	1.75	2	2.25

D	Standart motor flanşı Motor flange available	
B)	Burç ile montajı yapılabilir Mounting with reduction ring	
C)	Terminal kutusu flanş pozisyonu Motor flangeholes position/terminal box position	
B)	Burç kullanılmadan montajı yapılabilir Available without reduction bushes	

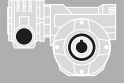
A	Servis faktörüne bağlı gerekli moment belirlenir	Select required torque (according to service factor)
B	Gerekli çıkış devri belirlenir	Select output speed
C	Aynı satırda belirlenen redüktörün tahvil oranı görülebilir	On the same line of selected geared motor, you can find the gear ratio
D	Uygun motor flanşı belirlenir (Gerekli olduğu durumlarda)	Select motor flange available (if requested)



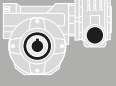
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,06 kW	14,0	20	51	100	2,5	O50	56-A4	50	1-12
	17,5	18	57	80,0	3,2			54	
	20,6	16	58	68,0	3,6			57	
	23,3	14	62	60,0	4,3			58	
	32,6	12	68	43,0	5,9			66	
	38,9	10	72	36,0	7,1			69	
	13,7	20	29	102	1,4	O45	56-A4	49	1-10
	20,0	15	30	70,0	2,0			54	
	23,3	14	41	60,0	3,0			56	
	30,4	11	41	46,0	3,7			59	
	37,8	10	41	37,0	4,3			63	
	50,0	7	41	28,0	5,5			65	
	66,7	6	41	21,0	7,1	67			
	100	4	30	14,0	6,9	77			
	14,0	16	8	100	0,5	O30	56-A4	40	1-8
	17,5	16	16	80,0	1,0			48	
	23,0	12	20	61,0	1,6			50	
	35,0	9	20	40,0	2,1			57	
	46,7	8	21	30,0	2,8			62	
	70,0	6	19	20,0	3,3			70	
93,3	4	19	15,0	4,2	73				
140	3	17	10,0	5,3	78				
200	2	17	7,00	7,3	80				
0,09 kW	14,0	31	51	100	1,7	O50	56-B4	50	1-12
	17,5	27	57	80,0	2,1			54	
	20,6	24	58	68,0	2,4			57	
	23,3	21	62	60,0	2,9			58	
	32,6	17	68	43,0	3,9			66	
	38,9	15	72	36,0	4,8			69	
	13,7	31	29	102	1,0	O45	56-B4	49	1-10
	20,0	23	30	70,0	1,3			54	
	23,3	21	41	60,0	2,0			56	
	30,4	17	41	46,0	2,5			59	
	37,8	14	41	37,0	2,9			63	
	50,0	11	41	28,0	3,7			65	
	66,7	9	41	21,0	4,7	67			
	100	7	30	14,0	4,6	77			
	140	5	30	10,0	6,3	79			
	23,0	19	20	61,0	1,1	O30	56-B4	50	1-8
	35,0	14	20	40,0	1,4			57	
	46,7	11	21	30,0	1,8			62	
70,0	9	19	20,0	2,2	70				
93,3	7	19	15,0	2,8	73				
140	5	17	10,0	3,5	78				
200	3	17	7,00	4,9	80				
280	3	17	5,00	6,7	82				



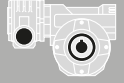
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page			
0,12 kW	15	40	130	94,0	3,3	63A	63-A4	52	-			
	17,5	37	153	80,0	4,1			57				
	20,9	33	159	67,0	4,8			60				
	23,3	30	168	60,0	5,5			62				
	31,1	24	175	45,0	7,2			66				
	14,9	40	119	94,0	3,0			52				
	17,5	37	119	80,0	3,2			57				
	20,9	33	124	67,0	3,8			60				
	23,3	30	130	60,0	4,3			62				
	31,1	24	135	45,0	5,6			66				
	14,0	41	51	100	1,3			050		63-A4	50	1-12
	17,5	35	57	80,0	1,6						54	
	20,6	32	58	68,0	1,8	57						
	23,3	28	62	60,0	2,2	58						
	32,6	23	68	43,0	2,9	66						
	38,9	20	72	36,0	3,6	69						
	46,7	17	72	30,0	4,2	70						
	53,9	15	66	26,0	4,5	69						
	77,8	11	62	18,0	5,6	75						
	100	9	68	14,0	7,5	79						
	20,0	31	30	70,0	1,0	045	63-A4		54		1-10	
	23,3	28	41	60,0	1,5				56			
	30,4	22	41	46,0	1,8			59				
	37,8	19	41	37,0	2,1			63				
	50,0	15	41	28,0	2,7			65				
	66,7	12	41	21,0	3,6			67				
	100	9	30	14,0	3,5			77				
	140	6	30	10,0	4,7			79				
	200	5	30	7,00	6,6			80				
	23,0	25	20	61,0	0,8			030	63-A4	50		1-8
	35,0	19	20	40,0	1,1					57		
	46,7	15	21	30,0	1,4					62		
	70,0	11	19	20,0	1,6	70						
	93,3	9	19	15,0	2,1	73						
	140	6	17	10,0	2,6	78						
	200	5	17	7,00	3,7	80						
280	3	17	5,00	5,0	82							



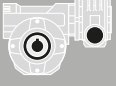
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f _s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,18 kW	14,9	60	130	94,0	2,2	63A	63-B4	52	-
	17,5	56	153	80,0	2,7			57	
	20,9	49	159	67,0	3,2			60	
	23,3	46	168	60,0	3,7			62	
	31,1	36	175	45,0	4,8			66	
	14,9	60	119	94,0	2,0	063	63-B4	52	1-14
	17,5	56	119	80,0	2,1			57	
	20,9	49	124	67,0	2,5			60	
	23,3	46	130	60,0	2,9			62	
	31,1	36	135	45,0	3,7			66	
	14,0	61	51	100	0,8	050	63-B4	50	1-12
	17,5	53	57	80,0	1,1			54	
	20,6	48	58	68,0	1,2			57	
	23,3	43	62	60,0	1,4			58	
	32,6	35	68	43,0	2,0			66	
	38,9	30	72	36,0	2,4			69	
	46,7	26	72	30,0	2,8			70	
	53,9	22	66	26,0	3,0			69	
	77,8	17	62	18,0	3,7			75	
	100	14	68	14,0	5,0			79	
	140	10	62	10,0	6,3	80			
	23,3	41	41	60,0	1,0	045	63-B4	56	1-10
	30,4	33	41	46,0	1,2			59	
	37,8	29	41	37,0	1,4			63	
	50,0	22	41	28,0	1,8			65	
	66,7	17	41	21,0	2,4			67	
	100	13	30	14,0	2,3			77	
	140	10	30	10,0	3,1			79	
200	7	30	7,00	4,4	80				
46,7	23	21	30,0	0,9	030	63-B4	62	1-8	
70,0	17	19	20,0	1,1			70		
93,3	13	19	15,0	1,4			73		
140	10	17	10,0	1,8			78		
200	7	17	7,00	2,4			80		
280	5	17	5,00	3,3			82		



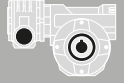
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,25 kW	14,1	101	483	99,0	4,8	110	71-A4	60	18
	16,7	93	494	84,0	5,3			65	
	21,9	75	536	64,0	7,1			69	
	14,6	87	242	96,0	2,8	085	71-A4	53	1-16
	18,9	73	268	74,0	3,7			58	
	20,9	74	289	67,0	3,9			65	
	26,9	59	289	52,0	4,9			66	
	30,4	53	326	46,0	6,1			68	
	36,8	46	336	38,0	7,3			71	
	14,9	83	130	94,0	1,6	63A	71-A4	52	-
	17,5	78	153	80,0	2,0			57	
	20,9	69	159	67,0	2,3			60	
	23,3	63	168	60,0	2,6			62	
	31,1	51	175	45,0	3,5			66	
	35,0	45	181	40,0	4,0			66	
	38,9	42	191	36,0	4,6			68	
	46,7	38	189	30,0	5,0			74	
	58,3	31	185	24,0	6,0			75	
	73,7	25	178	19,0	7,0			78	
	14,9	83	119	94,0	1,4	063	71-A4	52	1-14
	17,5	78	119	80,0	1,5			57	
	20,9	69	124	67,0	1,8			60	
	23,3	63	130	60,0	2,1			62	
	31,1	51	135	45,0	2,7			66	
	35,0	45	140	40,0	3,1			66	
	38,9	42	147	36,0	3,5			68	
	46,7	38	146	30,0	3,9			74	
	58,3	31	142	24,0	4,6			75	
	73,7	25	138	19,0	5,4			78	
	93,3	20	138	15,0	6,8	79			
	17,5	74	57	80,0	0,8	050	71-A4	54	1-12
	20,6	66	58	68,0	0,9			57	
	23,3	59	62	60,0	1,0			58	
	32,6	48	68	43,0	1,4			66	
	38,9	42	72	36,0	1,7			69	
	46,7	36	72	30,0	2			70	
	53,9	31	66	26,0	2,2			69	
	77,8	23	62	18,0	2,7			75	
	100	19	68	14,0	3,6			79	
	140	14	62	10,0	4,5			80	
	200	10	57	7,00	5,8	82			
	30,4	46	41	46,0	0,9	045	71-A4	59	1-10
37,8	40	41	37,0	1,0	63				
50,0	31	41	28,0	1,3	65				
66,7	24	41	21,0	1,7	67				
100	18	30	14,0	1,7	77				
140	13	30	10,0	2,3	79				
200	10	30	7,00	3,2	80				



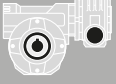
Güç Power [kW]	n ₂ Çıkış Devri Output Speed n ₂ [r.p.m]	M2M Çıkış Momenti Output Torque m ₂ [Nm]	M2R Nominal Moment Nominal Torque m _{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f _s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,37 kW	14,1	150	483	99,0	3,2	110	71-B4	60	1-18
	16,7	138	494	84,0	3,6			65	
	21,9	111	536	64,0	4,8			69	
	14,6	128	242	96,0	1,9	085	71-B4	53	1-16
	18,9	108	268	74,0	2,5			58	
	20,9	110	289	67,0	2,6			65	
	26,9	87	289	52,0	3,3			66	
	30,4	79	326	46,0	4,1			68	
	36,8	68	336	38,0	4,9			71	
	14,9	123	130	94,0	1,1	63A	71-B4	52	-
	17,5	115	153	80,0	1,3			57	
	20,9	101	159	67,0	1,6			60	
	23,3	94	168	60,0	1,8			62	
	31,1	75	175	45,0	2,3			66	
	35,0	67	181	40,0	2,7			66	
	38,9	62	191	36,0	3,1			68	
	46,7	56	189	30,0	3,4			74	
	58,3	45	185	24,0	4,1			75	
	73,7	37	178	19,0	4,7			78	
	93,3	30	178	15,0	5,9			79	
	14,9	123	119	94,0	1,0			063	
	17,5	115	119	80,0	1,0	57			
	20,9	101	124	67,0	1,2	60			
	23,3	94	130	60,0	1,4	62			
	31,1	75	135	45,0	1,8	66			
	35,0	67	140	40,0	2,1	66			
	38,9	62	147	36,0	2,4	68			
	46,7	56	146	30,0	2,6	74			
	58,3	45	142	24,0	3,1	75			
	73,7	37	138	19,0	3,7	78			
	93,3	30	138	15,0	4,6	79			
	140	20	134	10,0	6,6	81			
	32,6	72	68	43,0	1,0	050	71-B4	66	1-12
	38,9	63	72	36,0	1,2			69	
	46,7	53	72	30,0	1,4			70	
	53,9	45	66	26,0	1,5			69	
	77,8	34	62	18,0	1,8			75	
	100	28	68	14,0	2,4			79	
	140	20	62	10,0	3,1			80	
	200	14	57	7,00	3,9			82	
	50,0	46	41	28,0	0,9	045	71-B4	65	1-10
	66,7	36	41	21,0	1,2			67	
100	27	30	14,0	1,1	77				
140	20	30	10,0	1,5	79				
200	14	30	7,00	2,2	80				



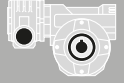
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,55 kW	14,1	223	483	99,0	2,2	110	80-A4	60	1-18
	16,7	205	494	84,0	2,4			65	
	21,9	166	536	64,0	3,2			69	
	26,4	139	620	53,0	4,5			70	
	31,1	123	599	45,0	4,9			73	
	36,8	107	641	38,0	6,0			75	
	46,7	86	651	30,0	7,6			76	
	60,9	69	515	23,0	7,5			80	
	14,6	191	242	96,0	1,3	085	80-A4	53	1-16
	18,9	161	268	74,0	1,7			58	
	20,9	163	289	67,0	1,8			65	
	26,9	129	289	52,0	2,2			66	
	30,4	117	326	46,0	2,8			68	
	36,8	101	336	38,0	3,3			71	
	50,0	79	347	28,0	4,4			75	
	63,6	64	294	22,0	4,6			78	
	70,0	59	294	20,0	5,0	79			
	100	41	305	14,0	7,4	78			
	17,5	171	153	80,0	0,9	63A	80-A4	57	-
	20,9	151	159	67,0	1,1			60	
	23,3	140	168	60,0	1,2			62	
	31,1	111	175	45,0	1,6			66	
	35,0	99	181	40,0	1,8			66	
	38,9	92	191	36,0	2,1			68	
	46,7	83	189	30,0	2,3			74	
	58,3	68	185	24,0	2,7			75	
	73,7	56	178	19,0	3,2			78	
	93,3	44	178	15,0	4,0			79	
	140	30	173	10,0	5,7			81	
	200	22	162	7,00	7,4			83	
	20,9	151	124	67,0	0,8	063	80-A4	60	1-14
	23,3	140	130	60,0	0,9			62	
	31,1	111	135	45,0	1,2			66	
	35,0	99	140	40,0	1,4			66	
	38,9	92	147	36,0	1,6			68	
	46,7	83	146	30,0	1,8			74	
	58,3	68	142	24,0	2,1			75	
	73,7	56	138	19,0	2,5			78	
	93,3	44	138	15,0	3,1			79	
	140	30	134	10,0	4,4			81	
	200	22	125	7,00	5,7			83	
	46,7	79	72	30,0	0,9			050	
53,9	67	66	26,0	1,0	69				
77,8	51	62	18,0	1,2	75				
100	41	68	14,0	1,6	79				
140	30	62	10,0	2,1	80				
200	22	57	7,00	2,6	82				



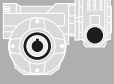
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f _s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,75 kW	14,1	304	483	99,0	1,6	110	80-B4	60	1-18
	16,7	279	494	84,0	1,8			65	
	21,9	226	536	64,0	2,4			69	
	26,4	190	620	53,0	3,3			70	
	31,1	168	599	45,0	3,6			73	
	36,8	146	641	38,0	4,4			75	
	46,7	117	651	30,0	5,6			76	
	60,9	94	515	23,0	5,5			80	
	70,0	84	546	20,0	6,5			82	
	87,5	67	536	16,0	8,0			82	
	14,6	260	242	96,0	0,9	085	80-B4	53	1-16
	18,9	220	268	74,0	1,2			58	
	20,9	223	289	67,0	1,3			65	
	26,9	176	289	52,0	1,6			66	
	30,4	160	326	46,0	2,0			68	
	36,8	138	336	38,0	2,4			71	
	50,0	107	347	28,0	3,2			75	
	63,6	88	294	22,0	3,3			78	
	70,0	81	294	20,0	3,6			79	
	100	56	305	14,0	5,5			78	
	140	41	284	10,0	6,9	80			
	20,9	206	159	67,0	0,8	63A	80-B4	60	-
	23,3	190	168	60,0	0,9			62	
	31,1	152	175	45,0	1,2			66	
	35,0	135	181	40,0	1,3			66	
	38,9	125	191	36,0	1,5			68	
	46,7	114	189	30,0	1,7			74	
	58,3	92	185	24,0	2,0			75	
	73,7	76	178	19,0	2,3			78	
	93,3	61	178	15,0	2,9			79	
	140	41	173	10,0	4,2			81	
	200	30	162	7,00	5,5	83			
	31,1	152	135	45,0	0,9	063	80-B4	66	1-14
	35,0	135	140	40,0	1,0			66	
	38,9	125	147	36,0	1,2			68	
	46,7	114	146	30,0	1,3			74	
	58,3	92	142	24,0	1,5			75	
	73,7	76	138	19,0	1,8			78	
	93,3	61	138	15,0	2,3			79	
	140	41	134	10,0	3,2			81	
	200	30	125	7,00	4,2			83	
	77,8	69	62	18,0	0,9			050	
100	57	68	14,0	1,2	79				
140	41	62	10,0	1,5	80				
200	29	57	7,00	1,9	82				



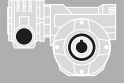
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
1,1 kW	14,1	446	483	99,0	11,1	110	90-S4	60	1-18
	16,7	410	494	84,0	1,2			65	
	21,9	331	536	64,0	1,6			69	
	26,4	278	620	53,0	2,2			70	
	31,1	246	599	45,0	2,4			73	
	36,8	214	641	38,0	3,0			75	
	46,7	171	651	30,0	3,8			76	
	60,9	138	515	23,0	3,7			80	
	70,0	123	546	20,0	4,4			82	
	87,5	98	536	16,0	5,4			82	
	18,9	322	268	74,0	0,8	085	90-S4	58	1-16
	20,9	327	289	67,0	0,9			65	
	26,9	258	289	52,0	1,1			66	
	30,4	235	326	46,0	1,4			68	
	36,8	202	336	38,0	1,7			71	
	50,0	158	347	28,0	2,2			75	
	63,6	129	294	22,0	2,3			78	
	70,0	119	294	20,0	2,5			79	
	100	82	305	14,0	3,7			78	
	140	60	284	10,0	4,7			80	
	200	46	257	7,00	5,6	88			
	35,0	198	181	40,0	0,9	63A	90-S4	66	-
	38,9	184	191	36,0	1,0			68	
	46,7	167	189	30,0	1,1			74	
	58,3	135	185	24,0	1,4			75	
	73,7	111	178	19,0	1,6			78	
	93,3	89	178	15,0	2,0			79	
	140	61	173	10,0	2,8			81	
	200	44	162	7,00	3,7			83	
	38,9	184	147	36,0	0,8	063	90-S4	68	1-14
46,7	167	146	30,0	0,9	74				
58,3	135	142	24,0	1,0	75				
73,7	111	138	19,0	1,2	78				
93,3	89	138	15,0	1,5	79				
140	61	134	10,0	2,2	81				
200	44	125	7,00	2,9	83				



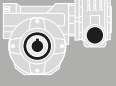
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
1,5 kW	14,1	608	483	99,0	0,8	110	90-LA4	60	1-18
	16,7	559	494	84,0	0,9			65	
	21,9	452	536	64,0	1,2			69	
	26,4	380	620	53,0	1,6			70	
	31,1	336	599	45,0	1,8			73	
	36,8	292	641	38,0	2,2			75	
	46,7	233	651	30,0	2,8			76	
	60,9	188	515	23,0	2,7			80	
	70,0	168	546	20,0	3,3			82	
	87,5	134	536	16,0	4,0			82	
	140	88	525	10,0	6,0			86	
	200	63	483	7,00	7,7			88	
	26,9	351	289	52,0	0,8	085	90-LA4	66	1-16
	30,4	320	326	46,0	1,0			68	
	36,8	276	336	38,0	1,2			71	
	50,0	215	347	28,0	1,6			75	
	63,6	176	294	22,0	1,7			78	
	70,0	162	294	20,0	1,8			79	
	100	112	305	14,0	2,7			78	
	140	82	284	10,0	3,5			80	
	200	63	257	7,00	4,1	88			
	38,9	250	191	36,0	0,8	63A	90-LA4	68	-
	46,7	227	189	30,0	0,8			74	
	58,3	184	185	24,0	1,0			75	
	73,7	152	178	19,0	1,2			78	
	93,3	121	178	15,0	1,5			79	
	140	83	173	10,0	2,1			81	
	200	59	162	7,00	2,7	83			
58,3	184	142	24,0	0,8	063	90-LA4	75	1-14	
73,7	152	138	19,0	0,9			78		
93,3	121	138	15,0	1,1			79		
140	83	134	10,0	1,6			81		
200	59	125	7,00	2,1			83		



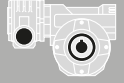
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
1,85 kW	21,9	557	536	64,0	1,0	110	100-LB4	69	1-18
	26,4	468	620	53,0	1,3			70	
	31,1	415	599	45,0	1,4			73	
	36,8	360	641	38,0	1,8			75	
	46,7	288	651	30,0	2,3			76	
	60,9	232	515	23,0	2,2			80	
	70,0	207	546	20,0	2,6			82	
	87,5	166	536	16,0	3,2			82	
	140	109	525	10,0	4,8			86	
	200	78	483	7,00	6,2			88	
	30,4	395	326	46,0	0,8	085	100-LB4	68	1-16
	36,8	340	336	38,0	1,0			71	
	50,0	265	347	28,0	1,3			75	
	63,6	217	294	22,0	1,4			78	
	70,0	199	294	20,0	1,5			79	
	100,0	138	305	14,0	2,2			78	
	140	101	284	10,0	2,8			80	
	200	78	257	7,00	3,3			88	
	58,3	227	185	24,0	0,8	63A	100-LB4	75	-
	73,7	187	178	19,0	0,9			78	
93,3	150	178	15,0	1,2	79				
140	102	173	10,0	1,7	81				
200	73	162	7,00	2,2	83				
93,3	150	138	15,0	0,9	063	100-LB4	79	1-14	
140	102	134	10,0	1,3			81		
200	73	125	7,00	1,7			83		
2,2 kW	26,4	557	620	53,0	1,1	110	100-LA4	70	1-18
	31,1	493	599	45,0	1,2			73	
	36,8	428	641	38,0	1,5			75	
	46,7	342	651	30,0	1,9			76	
	60,9	276	515	23,0	1,9			80	
	70,0	246	546	20,0	2,2			82	
	87,5	197	536	16,0	2,7			82	
	140	129	525	10,0	4,1			86	
	200	92	483	7,00	5,2			88	
	50,0	315	347	28,0	1,1			085	
	63,6	258	294	22,0	1,1	78			
	70,0	237	294	20,0	1,2	79			
100	164	305	14,0	1,9	78				
140	120	284	10,0	2,4	80				
200	92	257	7,00	2,8	88				



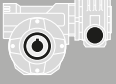
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
3 kW	26,4	759	620	53,0	0,8	110	100-LB4	70	1-18
	31,1	672	599	45,0	0,9			73	
	36,8	583	641	38,0	1,1			75	
	46,7	467	651	30,0	1,4			76	
	60,9	377	515	23,0	1,4			80	
	70,0	336	546	20,0	1,6			82	
	87,5	268	536	16,0	2,0			82	
	140	176	525	10,0	3,0			86	
	200	126	483	7,00	3,8	88			
	50,0	430	347	28,0	0,8	085	100-LB4	75	
	63,6	351	294	22,0	0,8			78	
	70,0	323	294	20,0	0,9			79	
	100	223	305	14,0	1,4			78	
	140	164	284	10,0	1,7			80	
200	126	257	7,00	2	88				
4 kW	36,8	778	641	38,0	0,8	110	112-M4	75	1-18
	46,7	622	651	30,0	1,0			76	
	60,9	502	515	23,0	1,0			80	
	70,0	447	546	20,0	1,2			82	
	87,5	358	536	16,0	1,5			82	
	140	235	525	10,0	2,2			86	
	200	168	483	7,00	2,9	88			
	100	298	305	14,0	1,0	085	112-M4	78	
140	218	284	10,0	1,3	80				
200	168	257	7,00	1,5	88				
5,5 kW	87,5	492	536	16,0	1,1	110	132-S4	82	1-18
	140	323	525	10,0	1,6			86	
	200	231	483	7,00	2,1			88	
7,5 kW	87,5	671	536	16,0	0,8	110	132-MA4	82	1-18
	140	440	525	10,0	1,2			86	
	200	315	483	7,00	1,5			88	
9 kW	140	528	525	10,0	1,0	110	132-MB4	86	1-18
	200	378	483	7,00	1,3			88	



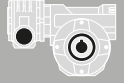
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page	
0,06 kW	7,57	37	77	185	2,1	P45	56-A4	49	1-20	
	9,04	35	88	155	2,5			56		
	12,5	28	88	112	3,2			61		
	18,1	19	88	77,4	4,6			61		
	23,3	17	77	60,2	4,5			69		
	32,6	13	77	43,0	5,8			75		
	8,80	32	55	159	1,7			49		
	11,6	26	55	120	2,1	53				
	15,5	21	55	90,3	2,6	57				
	23,3	15	55	60,2	3,7	60				
	32,6	13	55	43,0	4,3	72				
	46,5	9	55	30,1	6,0	74				
	0,09 kW	7,57	56	77	185	1,4	P50	56-B4	49	1-22
		9,04	53	88	155	1,7			56	
12,5		42	88	112	2,1	61				
18,1		29	88	77,4	3,0	61				
23,3		26	77	60,2	3,0	69				
32,6		20	77	43,0	3,9	75				
46,5		14	77	30,1	5,5	76				
8,80		48	55	159	1,1	49				
11,6		39	55	120	1,4	53				
15,5		32	55	90,3	1,7	57				
23,3		22	55	60,2	2,5	60				
32,6		19	55	43,0	2,9	72				
46,5		14	55	30,1	4,0	74				



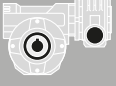
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,12 kW	2,24	301	528	624	1,8	P10	63-A4	59	1-28
	2,65	277	550	529	2,0			64	
	3,47	224	594	403	2,6			68	
	4,19	189	660	334	3,5			69	
	4,73	165	594	296	3,6			68	
	5,71	138	660	245	4,8			69	
	6,73	123	660	208	5,4			72	
	7,95	107	803	176	7,5			74	
	2,31	198	330	605	1,7	P85	63-A4	40	1-26
	3,00	172	330	466	1,9			45	
	3,32	180	385	422	2,1			52	
	4,27	142	418	328	2,9			53	
	5,83	104	418	240	4,0			53	
	6,59	104	407	213	3,9			60	
	7,98	91	440	176	4,9	63			
	3,79	142	194	370	1,4	P6A	63-A4	47	-
	4,52	129	194	310	1,5			51	
	6,73	94	194	208	2,1			55	
	8,42	82	218	166	2,7			60	
	10,1	75	218	139	2,9	66			
	3,22	149	138	434	0,9	P63	63-A4	42	1-24
	3,79	145	165	370	1,1			48	
	4,52	129	165	310	1,3			51	
	6,73	100	165	208	1,6			59	
	8,42	83	187	166	2,3			61	
	10,1	76	187	139	2,5			67	
	3,26	44	44	430	<0,8	P50	63-A4	36	1-22
	4,07	44	44	344	<0,8			40	
	4,79	66	66	292	<0,8			44	
	5,43	77	77	258	<0,8			47	
	7,57	74	77	185	1,0			49	
	9,04	71	88	155	1,2			56	
	12,5	56	88	112	1,6			61	
	18,1	39	88	77,4	2,3			61	
	23,3	34	77	60,2	2,3			69	
	32,6	26	77	43,0	2,9			75	
	46,5	19	77	30,1	4,1			76	
	3,19	39	39	439	<0,8			P45	
	4,65	39	39	301	<0,8	40			
	5,43	55	55	258	<0,8	45			
	7,08	55	55	198	<0,8	47			
	8,80	64	55	159	0,9	49			
	11,6	52	55	120	1,1	53			
	15,5	42	55	90,3	1,3	57			
	23,3	30	55	60,2	1,9	60			
	32,6	25	55	43,0	2,2	72			
	46,5	18	55	30,1	3,0	74			



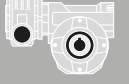
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,18 kW	2,24	452	528	624	1,2	P10	63-B4	59	1-28
	2,65	416	550	529	1,3			64	
	3,47	336	594	403	1,8			68	
	4,19	283	660	334	2,3			69	
	4,73	247	594	296	2,4			68	
	5,71	208	660	245	3,2			69	
	6,73	184	660	208	3,6			72	
	7,95	160	803	176	5,0	74			
	2,31	297	330	605	1,1	P85	63-B4	40	1-26
	3,00	258	330	466	1,3			45	
	3,32	270	385	422	1,4			52	
	4,27	213	418	328	2,0			53	
	5,83	156	418	240	2,7			53	
	6,59	157	407	213	2,6			60	
	7,98	136	440	176	3,2			63	
	3,22	143	143	434	<0,8	P6A	63-B4	42	-
	3,79	213	194	370	0,9			47	
	4,52	194	194	310	1,0			51	
	6,73	140	194	208	1,4			55	
	8,42	123	218	166	1,8			60	
	10,1	112	218	139	1,9			66	
	3,79	218	165	370	0,8			P63	
	4,52	194	165	310	0,9	51			
	6,73	151	165	208	1,1	59			
	8,42	125	187	166	1,5	61			
	10,1	114	187	139	1,6	67			
	9,04	106	88	155	0,8	P50	63-B4	56	1-22
	12,5	84	88	112	1,1			61	
	18,1	58	88	77,4	1,5			61	
	23,3	51	77	60,2	1,5			69	
	32,6	40	77	43,0	1,9			75	
	46,5	28	77	30,1	2,7			76	
	15,5	63	55	90,3	0,9			P45	
	23,3	44	55	60,2	1,2	60			
	32,6	38	55	43,0	1,4	72			
	46,5	27	55	30,1	2,0	74			



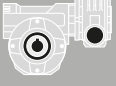
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page			
0,25 kW	2,24	628	528	624	0,8	P10	71-A4	59	1-28			
	2,65	577	550	529	1,0			64				
	3,47	467	594	403	1,3			68				
	4,19	393	660	334	1,7			69				
	4,73	343	594	296	1,7			68				
	5,71	288	660	245	2,3			69				
	6,73	255	660	208	2,6			72				
	7,95	222	803	176	3,6			74				
	10,6	144	550	132	3,8			64				
	13,9	117	594	101	5,1			68				
	16,8	98	660	83,2	6,7			69				
	2,31	413	330	605	0,8			P85		71-A4	40	1-26
	3,00	358	330	466	0,9						45	
	3,32	374	385	422	1,0						52	
	4,27	296	418	328	1,4						53	
	5,83	217	418	240	1,9						53	
	6,59	217	407	213	1,9	60						
	7,98	189	440	176	2,3	63						
	13,3	108	385	105	3,6	60						
	17,1	85	418	81,7	4,9	61						
	19,4	79	407	72,3	5,2	64						
	23,5	68	418	59,7	6,1	67						
	6,73	195	194	208	1,0	P6A	71-A4		55		-	
	8,42	170	218	166	1,3			60				
	10,1	156	218	139	1,4			66				
	12,6	132	218	111	1,6			70				
	16,0	108	218	87,8	2			72				
	19,8	74	206	70,7	2,8			61				
	24,7	62	206	56,6	3,3			64				
	29,7	56	206	47,1	3,7			70				
	37,1	47	182	37,7	3,9			73				
	46,8	38	182	29,9	4,8			74				
	6,73	209	165	208	0,8	P63	71-A4	59	1-24			
	8,42	173	187	166	1,1			61				
	10,1	158	187	139	1,2			67				
	12,6	134	187	111	1,4			71				
	16,0	109	187	87,8	1,7			73				
	19,8	75	187	70,7	2,5			62				
	24,7	62	187	56,6	3,0			64				
	29,7	56	187	47,1	3,3			70				
	37,1	47	165	37,7	3,5			73				
	46,8	38	165	29,9	4,4			74				
	12,5	116	88	111,8	0,8	P50	71-A4	61	1-22			
	18,1	81	88	77,4	1,1			61				
	23,3	71	77	60,2	1,1			69				
	32,6	55	77	43	1,4			75				
	46,5	39	77	30,1	2,0			76				
	23,3	62	55	60,2	0,9	P45	71-A4	60	1-20			
32,6	53	55	43	1,0	72							
46,5	38	55	30,1	1,4	74							



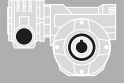
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,37 kW	3,47	692	594	403	0,9	P10	71-B4	68	1-28
	4,19	582	660	334	1,1			69	
	4,73	508	594	296	1,2			68	
	5,71	427	660	245	1,5			69	
	6,73	378	660	208	1,7			72	
	7,95	329	803	176	2,4			74	
	10,6	213	550	132	2,6			64	
	13,9	172	594	101	3,4			68	
	16,8	145	660	83,2	4,6			69	
	4,27	438	418	328	1,0	P85	71-B4	53	1-26
	5,83	321	418	240	1,3			53	
	6,59	322	407	213	1,3			60	
	7,98	279	440	176	1,6			63	
	13,3	159	385	105	2,4			60	
	17,1	126	418	81,7	3,3			61	
	19,4	117	407	72,3	3,5	64			
	23,5	101	418	59,7	4,1	67			
	8,42	252	218	166	0,9	P6A	71-B4	60	-
	10,1	231	218	139	0,9			66	
	12,6	196	218	111	1,1			70	
	16,0	160	218	87,8	1,4			72	
	19,8	109	206	70,7	1,9			61	
	24,7	91	206	56,6	2,2			64	
	29,7	83	206	47,1	2,5			70	
	37,1	69	182	37,7	2,6			73	
	46,8	56	182	29,9	3,3	74			
	10,1	234	187	138,6	0,8	P63	71-B4	67	1-24
	12,6	199	187	110,8	0,9			71	
	16,0	162	187	87,8	1,2			73	
	19,8	111	187	70,7	1,7			62	
	24,7	91	187	56,6	2			64	
	29,7	83	187	47,1	2,2			70	
	37,1	69	165	37,7	2,4			73	
	46,8	56	165	29,9	3			74	
	32,6	81	77	43,0	0,9	P50	71-B4	75	1-22
	46,5	58	77	30,1	1,3			76	
46,5	56	55	30,1	1,0	P45	71-B4	74	1-20	



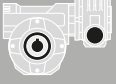
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page			
0,55 kW	4,19	865	660	334	0,8	P10	80-A4	69	1-28			
	4,73	755	594	296	0,8			68				
	5,71	634	660	245	1,0			69				
	6,73	562	660	208	1,2			72				
	7,95	489	803	176	1,6			74				
	10,6	317	550	132	1,7			64				
	13,9	256	594	101	2,3			68				
	16,8	215	660	83,2	3,1			69				
	5,83	478	418	240	0,9	P85	80-A4	53	1-26			
	6,59	478	407	213	0,9			60				
	7,98	415	440	176	1,1			63				
	13,3	237	385	105	1,6			60				
	17,1	187	418	81,7	2,2			61				
	19,4	174	407	72,3	2,3			64				
	23,5	150	418	59,7	2,8			67				
	16,0	237	218	87,8	0,9			P6A		80-A4	72	-
	19,8	162	206	70,7	1,3	61						
	24,7	136	206	56,6	1,5	64						
	29,7	124	206	47,1	1,7	70						
	37,1	103	182	37,7	1,8	73						
	46,8	83	182	29,9	2,2	74						
	16,0	240	187	87,8	0,8	P63	80-A4		73		1-24	
	19,8	164	187	70,7	1,1				62			
	24,7	136	187	56,6	1,4			64				
29,7	124	187	47,1	1,5	70							
37,1	103	165	37,7	1,6	73							
46,8	83	165	29,9	2,0	74							
0,75 kW	5,71	865	660	245	0,8			P10	80-B4	69		1-28
	6,73	766	660	208	0,9					72		
	7,95	666	803	176	1,2	74						
	10,6	432	550	132	1,3	64						
	13,9	350	594	101	1,7	68						
	16,8	294	660	83,2	2,2	69						
	7,98	566	440	176	0,8	P85	80-B4	63	1-26			
	13,3	323	385	105	1,2			60				
	17,1	255	418	81,7	1,6			61				
	19,4	237	407	72,3	1,7			64				
	23,5	205	418	59,7	2			67				
	19,8	221	206	70,7	0,9			P6A		80-B4	61	-
	24,7	185	206	56,6	1,1	64						
	29,7	169	206	47,1	1,2	70						
	37,1	141	182	37,7	1,3	73						
	46,8	113	182	29,9	1,6	74						
	19,8	224	187	70,7	0,8	P63	80-B4		62		1-24	
	24,7	185	187	56,6	1,0			64				
29,7	169	187	47,1	1,1	70							
37,1	141	165	37,7	1,2	73							
46,8	113	165	29,9	1,5	74							



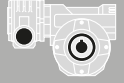
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
1,1 kW	10,6	634	550	132	0,9	P10	90-S4	64	1-28
	13,9	513	594	101	1,2			68	
	16,8	431	660	83,2	1,5			69	
	13,3	474	385	105	0,8	P85	90-S4	60	1-26
	17,1	374	418	81,7	1,1			61	
	19,4	347	407	72,3	1,2			64	
	23,5	300	418	59,7	1,4	P6A	90-S4	67	-
	24,7	272	206	56,6	0,8			64	
	29,7	247	206	47,1	0,8			70	
	37,1	207	182	37,7	0,9	P6A	90-S4	73	-
	46,8	166	182	29,9	1,1			74	
	29,7	247	187	47,1	0,8			P63	
37,1	207	165	37,7	0,8	73				
46,8	166	165	29,9	1,0	74				
1,5 kW	13,9	699	594	101	0,8	P10	90-LA4	68	1-28
	16,8	587	660	83,2	1,1			69	
	17,1	510	418	81,7	0,8	P85	90-LA4	61	1-26
	19,4	473	407	72,3	0,9			64	
	23,5	409	418	59,7	1,0			67	
46,8	226	182	29,9	0,8	P6A	90-LA4	74	-	
1,85 kW	16,8	724	660	83,2	0,9	P10	90-LB4	69	1-28
	23,5	505	418	59,7	0,8	P85	90-LB4	67	1-26



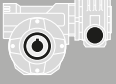
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,06 kW	0,47	319	978	3000	3,1	115	56-A4	26	1-42
	0,58	275	978	2400	3,6			28	
	0,69	250	978	2040	3,9			30	
	0,78	221	978	1800	4,4			30	
	1,09	185	978	1290	5,3			35	
	1,3	164	978	1080	6			37	
	0,49	292	518	2856	1,8	854	56-A4	25	1-40
	0,71	225	518	1960	2,3			28	
	1,09	158	518	1288	3,3			30	
	1,35	140	518	1036	3,7			33	
	1,79	109	518	784	4,7			34	
	2,38	89	518	588	5,8			37	
	3,57	71	518	392	7,3	44			
	1,05	164	304	1332	1,9	6A4	56-A4	30	-
	1,39	128	304	1008	2,4			31	
	1,85	102	304	756	3			33	
	2,78	80	304	504	3,8			39	
	3,89	62	304	360	4,9			42	
	5,56	47	304	252	6,4			46	
	0,97	159	290	1440	1,8	6A3	56-A4	27	-
	1,3	133	290	1080	2,2			30	
	1,94	100	290	720	2,9			34	
	2,59	82	290	540	3,5			37	
	3,89	60	290	360	4,8			41	
	5,56	47	290	252	6,1			46	
	1,39	128	265	1008	2,1	634	56-A4	31	1-38
	1,85	102	265	756	2,6			33	
	2,78	80	265	504	3,3			39	
	3,89	62	265	360	4,3			42	
	5,56	47	265	252	5,6			46	
	1,3	133	230	1080	1,7			633	
	1,94	100	230	720	2,3	34			
	2,59	82	230	540	2,8	37			
	3,89	60	230	360	3,8	41			
	5,56	47	230	252	4,8	46			
	3,89	62	109	360	1,8	503	56-A4		42
5,56	48	109	252	2,3	47				
7	39	69	200	1,8	453	56-A4	48	1-32	
10	29	69	140	2,4			50		
0,58	35	35	2400	<0,8	303	56-A4	22	1-30	
0,77	35	35	1830	<0,8			24		
1,17	35	35	1200	<0,8			26		
1,56	35	35	900	<0,8			27		
2,33	35	35	600	<0,8			30		
3,11	35	35	450	<0,8			33		
4,67	35	35	300	<0,8			36		
6,67	39	35	210	0,9			45		
9,33	29	35	150	1,2			48		



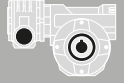
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page			
0,09 kW	0,47	479	978	3000	2	115	56-B4	26	1-42			
	0,58	413	978	2400	2,4			28				
	0,69	376	978	2040	2,6			30				
	0,78	332	978	1800	2,9			30				
	1,09	277	978	1290	3,5			35				
	1,3	245	978	1080	4			37				
	0,49	438	518	2856	1,2	854	56-B4	25	1-40			
	0,71	337	518	1960	1,5			28				
	1,09	237	518	1288	2,2			30				
	1,35	210	518	1036	2,5			33				
	1,79	164	518	784	3,2			34				
	2,38	134	518	588	3,9			37				
	3,57	106	518	392	4,9			44				
	5	81	518	280	6,4			47				
	7,14	63	368	196	5,9			52				
	10	50	368	140	7,4			58				
	1,05	245	304	1332	1,2			6A4		56-B4	30	-
	1,39	192	304	1008	1,6						31	
	1,85	153	304	756	2	33						
	2,78	121	304	504	2,5	39						
	3,89	93	304	360	3,3	42						
	5,56	71	304	252	4,3	46						
	0,97	239	290	1440	1,2	6A3	56-B4	27	-			
	1,3	199	290	1080	1,5			30				
	1,94	150	290	720	1,9			34				
	2,59	123	290	540	2,4			37				
	3,89	91	290	360	3,2			41				
	5,56	71	290	252	4,1			46				
	1,39	192	265	1008	1,4	634	56-B4	31	1-38			
	1,85	153	265	756	1,7			33				
	2,78	121	265	504	2,2			39				
	3,89	93	265	360	2,8			42				
	5,56	71	265	252	3,7			46				
	1,3	199	230	1080	1,2			633		56-B4	30	1-36
	1,94	150	230	720	1,5	34						
	2,59	123	230	540	1,9	37						
	3,89	91	230	360	2,5	41						
	5,56	71	230	252	3,2	46						
	3,89	93	109	360	1,2	503	56-B4		42		1-34	
	5,56	73	109	252	1,5			47				
	7	59	69	200	1,2	453	56-B4	48	1-32			
	10	43	69	140	1,6			50				
9,33	44	35	150	0,8	303	56-B4	48	1-30				



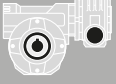
Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,12 kW	0,47	638	978	3000	1,5	115	63-A4	26	1-42
	0,58	550	978	2400	1,8			28	
	0,69	501	978	2040	2			30	
	0,78	442	978	1800	2,2			30	
	1,09	370	978	1290	2,6			35	
	1,3	327	978	1080	3			37	
	1,79	243	978	780	4			38	
	2,59	186	978	540	5,3			42	
	3,33	162	978	420	6			47	
	0,49	584	518	2856	0,9	854	63-A4	25	1-40
	0,71	449	518	1960	1,2			28	
	1,09	316	518	1288	1,6			30	
	1,35	280	518	1036	1,8			33	
	1,79	218	518	784	2,4			34	
	2,38	178	518	588	2,9			37	
	3,57	141	518	392	3,7			44	
	5	108	518	280	4,8			47	
	7,14	83	368	196	4,4			52	
	10	66	368	140	5,5	58			
	0,56	304	304	2520	<0,8	6A4	63-A4	25	-
	0,65	304	304	2160	<0,8			26	
	0,85	304	304	1656	<0,8			28	
	1,05	327	304	1332	0,9			30	
	1,39	256	304	1008	1,2			31	
	1,85	204	304	756	1,5			33	
	2,78	161	304	504	1,9			39	
	3,89	124	304	360	2,5			42	
	5,56	95	304	252	3,2			46	
	0,51	242	242	2745	<0,8	6A3	63-A4	23	-
	0,97	318	290	1440	0,9			27	
1,3	265	290	1080	1,1	30				
1,94	200	290	720	1,4	34				
2,59	164	290	540	1,8	37				
3,89	121	290	360	2,4	41				
5,56	95	290	252	3,1	46				



Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,12 kW	0,56	265	265	2520	<0,8	634	63-A4	25	1-38
	0,65	265	265	2160	<0,8			26	
	0,85	265	265	1656	<0,8			28	
	1,05	265	265	1332	<0,8			30	
	1,39	256	265	1008	1			31	
	1,85	204	265	756	1,3			33	
	2,78	161	265	504	1,6			39	
	3,89	124	265	360	2,1			42	
	5,56	95	265	252	2,8			46	
	0,51	230	230	2745	<0,8	633	63-A4	23	1-36
	0,97	230	230	1440	<0,8			27	
	1,3	265	230	1080	0,9			30	
	1,94	200	230	720	1,1			34	
	2,59	164	230	540	1,4			37	
	3,89	121	230	360	1,9			41	
	5,56	95	230	252	2,4	46			
	0,58	104	104	2400	<0,8	503	63-A4	21	1-34
	0,81	109	109	1720	<0,8			25	
	0,97	109	109	1440	<0,8			26	
	1,17	109	109	1200	<0,8			27	
	1,63	109	109	860	<0,8			32	
	1,94	109	109	720	<0,8			36	
	2,59	109	109	540	<0,8			39	
	3,89	124	109	360	0,9			42	
	5,56	97	109	252	1,1			47	
	0,58	69	69	2400	<0,8	453	63-A4	21	1-32
	0,58	69	69	2400	<0,8			21	
	0,76	69	69	1840	<0,8			22	
	0,95	69	69	1480	<0,8			24	
	1,25	69	69	1120	<0,8			26	
	1,52	69	69	920	<0,8			27	
	1,89	69	69	740	<0,8			30	
	2,5	69	69	560	<0,8			33	
	3,33	69	69	420	<0,8			36	
	5	69	69	280	<0,8			45	
	7	79	69	200	0,9			48	
10	57	69	140	1,2	50				



Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,18 kW	0,47	958	978	3000	1	115	63-B4	26	1-42
	0,58	825	978	2400	1,2			28	
	0,69	751	978	2040	1,3			30	
	0,78	663	978	1800	1,5			30	
	1,09	554	978	1290	1,8			35	
	1,3	491	978	1080	2			37	
	1,79	364	978	780	2,7			38	
	2,59	278	978	540	3,5			42	
	3,33	242	978	420	4			47	
	4,67	180	978	300	5,4			49	
	6,67	142	863	210	6,1			55	
	0,71	674	518	1960	0,8	854	63-B4	28	1-40
	1,09	474	518	1288	1,1			30	
	1,35	420	518	1036	1,2			33	
	1,79	327	518	784	1,6			34	
	2,38	267	518	588	1,9			37	
	3,57	212	518	392	2,4			44	
	5	162	518	280	3,2			47	
	7,14	125	368	196	2,9			52	
	10	100	368	140	3,7	58			
	1,39	384	304	1008	0,8	6A4	63-B4	31	-
	1,85	306	304	756	1			33	
	2,78	241	304	504	1,3			39	
	3,89	186	304	360	1,6			42	
	5,56	142	304	252	2,1			46	
	1,94	301	290	720	1	6A3	63-B4	34	-
	2,59	245	290	540	1,2			37	
	3,89	181	290	360	1,6			41	
	5,56	142	290	252	2			46	
	1,85	306	265	756	0,9	634	63-B4	33	1-38
	2,78	241	265	504	1,1			39	
	3,89	186	265	360	1,4			42	
	5,56	142	265	252	1,9			46	
	1,94	301	230	720	0,8	633	63-B4	34	1-36
	2,59	245	230	540	0,9			37	
	3,89	181	230	360	1,3			41	
5,56	142	230	252	1,6	46				
5,56	145	109	252	0,8	503			63-B4	
10	86	69	140	0,8	453	63-B4	50	1-32	



Güç Power [kW]	n_2 Çıkış Devri Output Speed n_2 [r.p.m]	M2M Çıkış Momenti Output Torque m_2 [Nm]	M2R Nominal Moment Nominal Torque m_{2R}	(i) Tahvil Ratio i	(f _s) Servis Faktörü Service Factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic Efficiency RD	Ölçü Sayfası Dim Page
0,25 kW	0,58	1146	978	2400	0,9	115	71-A4	28	1-42
	0,69	1044	978	2040	0,9			30	
	0,78	921	978	1800	1,1			30	
	1,09	770	978	1290	1,3			35	
	1,3	681	978	1080	1,4			37	
	1,79	505	978	780	1,9			38	
	2,59	387	978	540	2,5			42	
	3,33	337	978	420	2,9			47	
	4,67	251	978	300	3,9			49	
	6,67	197	863	210	4,4	55			
	1,09	659	518	1288	0,8	854	71-A4	30	1-40
	1,35	583	518	1036	0,9			33	
	1,79	455	518	784	1,1			34	
	2,38	371	518	588	1,4			37	
	3,57	294	518	392	1,8			44	
	5	224	518	280	2,3			47	
	7,14	174	368	196	2,1			52	
	10	138	368	140	2,7	58			
2,78	335	304	504	0,9	6A4	71-A4	39	-	
3,89	258	304	360	1,2			42		
5,56	198	304	252	1,5			46		
2,78	335	265	504	0,8	634	71-A4	39	1-38	
3,89	258	265	360	1			42		
5,56	198	265	252	1,3			46		
0,37 kW	1,09	1140	978	1290	0,9	115	71-B4	35	1-42
	1,3	1009	978	1080	1			37	
	1,79	748	978	780	1,3			38	
	2,59	572	978	540	1,7			42	
	3,33	498	978	420	2			47	
	4,67	371	978	300	2,6			49	
	6,67	292	863	210	3	55			
	1,79	673	518	784	0,8	854	71-B4	34	1-40
	2,38	549	518	588	0,9			37	
	3,57	435	518	392	1,2			44	
	5	332	518	280	1,6			47	
	7,14	257	368	196	1,4			52	
10	205	368	140	1,8	58				
3,89	382	304	360	0,8	64A	71-B4	42	-	
5,56	293	304	252	1			46		
5,56	293	265	252	0,9			46		
0,55 kW	1,79	1112	978	780	0,9	115	80-A4	38	1-42
	2,59	851	978	540	1,1			42	
	3,33	741	978	420	1,3			47	
	4,67	552	978	300	1,8			49	
	6,67	433	863	210	2			55	
0,75 kW	2,59	1160	978	540	0,8	115	80-B4	42	1-42
	3,33	1010	978	420	1			47	
	4,67	752	978	300	1,3			49	
	6,67	591	863	210	1,5			55	



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-O	-P			
							56	63	56	63			
280	5	0.18	5	3.3	0.60	17	B		B-C		82	1.26	09
200	7	0.18	7	2.4	0.44	17	B		B-C		80	1.44	01
140	10	0.18	10	1.8	0.32	17	B		B-C		78	1.44	02
93	15	0.18	13	1.4	0.25	19	B		B-C		73	1.44	03
70	20	0.18	17	1.1	0.20	19	B		B-C		70	1.09	04
47	30	0.12	15	1.4	0.17	21	B		B-C		62	1.44	05
35	40	0.12	19	1.1	0.13	20	B		B-C		57	1.09	06
23	61	0.09	19	1.1	0.10	20	B		B-C		50	0.72	07
17.5	80	0.09	16	1.0	0.06	16	B		B-C		48	0.56	08

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 030 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit 030 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA 030 Yağ Miktarı 0.03 Lt. /
LUBRICATION 030 Oil Quantity 0.03 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

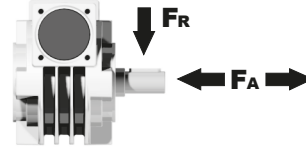
Daha fazla ayrıntı için internet sitemizi inceleyiniz.

Tablo 1

For all details on lubrication and plugs check our website

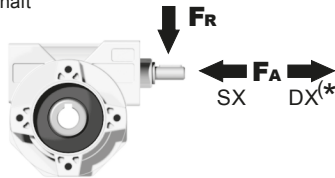
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
200	120	600
150	140	700
100	160	800
75	180	900
50	200	1000
25	250	1250
15	280	1400

Giriş Mili
Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	20	100

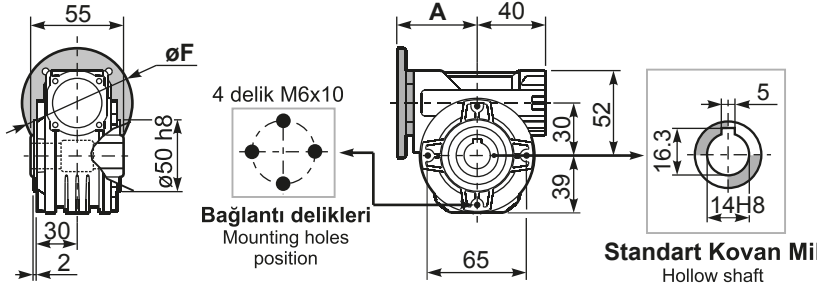
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P030FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **1.05 kg**

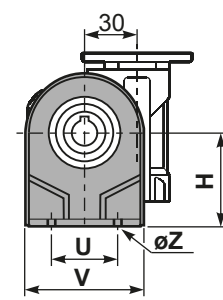
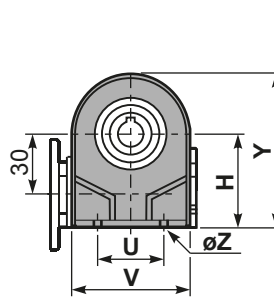
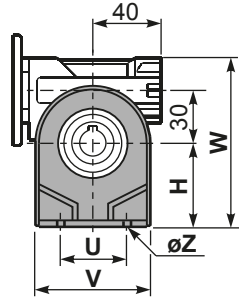
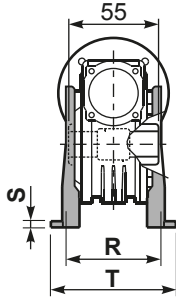
M. Flanşları	Kit Kodu	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5



P030PA... Ayak
Feet

P030PB... Ayak
Feet

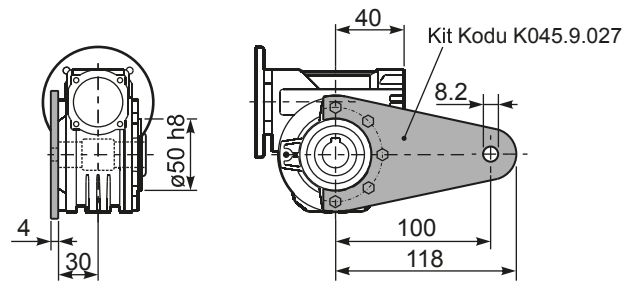
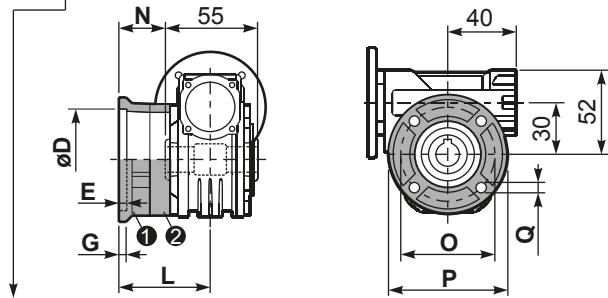
P030PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	55	66	3	87	50	78	94	107	ø6.5	K030.9.022
Tip S	52	66	3	87	52	90	91	104	ø6.5	KS030.9.023

P030FC... Çıkış Flanşı
Output flange

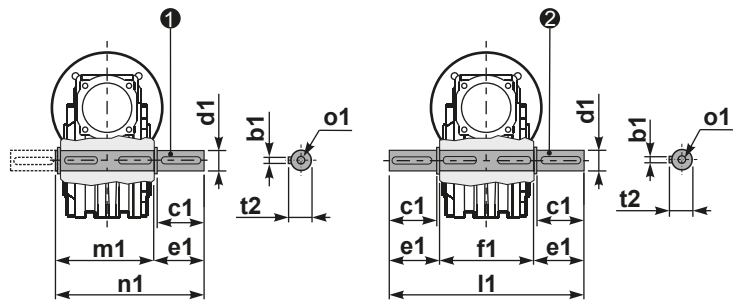
P030BR... Tork Kolu
Reaction arm



Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	50 ^{+0.15} / _{+0.05}	6	6	50.5	23	68	80	7	① K030.9.010 ② -
FL	60 ^{+0.15} / _{+0.05}	6	6	55.5	28	87	110	8.5	① K045.9.010 ② -
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	40 ^{+0.15} / _{+0.10}	3.5	5.5	49	21.5	56	80	6.5	① KS030.9.012 ② -

P030....S... Tek Çıkış Mili
Single Shaft

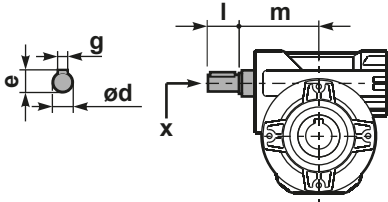
P030....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K030.5.028 Tip B

② Kit Kodu K030.5.029 Tip B

R030FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	9 h6	10.2	3	20	58	-	K030.5.006 PAM63
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	5	25	14 ^{-0.005} / _{-0.020}	35.5	55	126	59	94.5	16	M5x14
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-O	-P	-Q			
							63	71	56	63	71			
200	7	0.37	14	2.2	0.80	30	B		B-C	B-C		80	2.2	01
140	10	0.37	20	1.5	0.57	30	B		B-C	B-C		79	2.2	02
100	14	0.37	27	1.1	0.41	30	B		B-C	B-C		77	2.4	03
67	21	0.37	36	1.2	0.43	41	B		B-C	B-C		67	1.6	04
50	28	0.25	31	1.3	0.33	41	B		B-C	B-C		65	2.5	05
38	37	0.25	40	1.0	0.26	41	B		B-C	B-C		63	1.8	06
30	46	0.25	46	0.9	0.22	41	B		B-C	B-C		59	1.5	07
23	60	0.18	41	1.0	0.18	41	B		B-C	B-C		56	1.2	08
20	70	0.12	31	1.0	0.12	30	B		B-C	B-C		54	1.0	09
13.7	102	0.09	31	1.0	0.09	29	B		B-C	B-C		49	0.72	10

Uygun Motor Flanşları
Motor Flanges AvailableB) Burç ile montaj yapılabilir
Supplied with Reduction BushingB) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction BushingC) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 045 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit 045 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA 045 Yağ Miktarı 0.09 Lt.
LUBRICATION 045 Oil Quantity 0.09 Lt.

AGIP Telium VSF 320

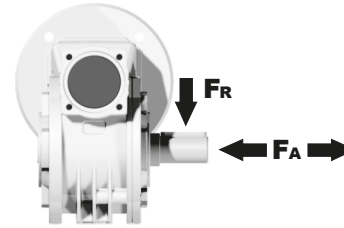
SHELL Omala S4 WE 320

Daha fazla ayrıntı için internet sitemizi inceleyiniz.

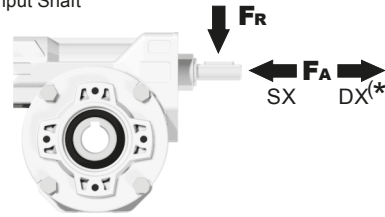
Tablo 1

For all details on lubrication and plugs check our website

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n [d/d]	FA [N]	FR [N]
200	180	900
150	200	1000
100	220	1100
75	240	1200
50	260	1400
25	300	1800
15	400	2000

Giriş Mili
Input Shaft

n [d/d]	FA [N]	FR [N]
1400	42	210

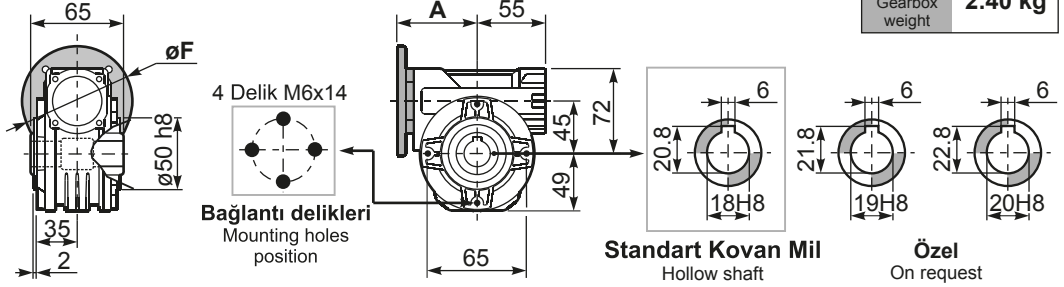
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P045FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **2.40 kg**

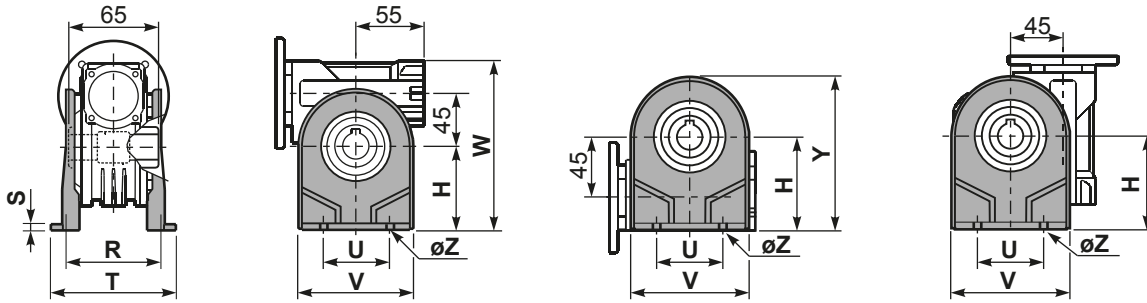
M. Flanşları	Kit Kodu	øF	A
63B5	K050.4.041	138	74
71B5	K050.4.042	160	71.5
56B14	KC40.4.049	80	71.5
63B14	K050.4.047	90	74
71B14	K050.4.045	105	71.5



P045PA... Ayak
Feet

P045PB... Ayak
Feet

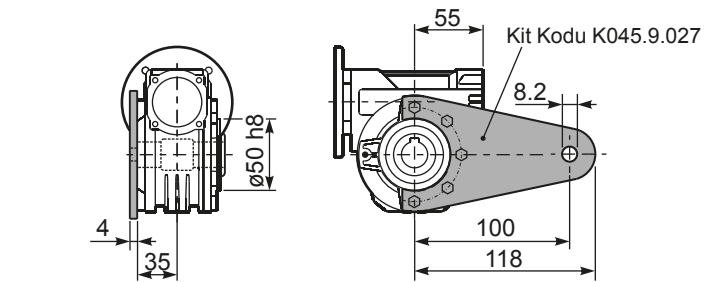
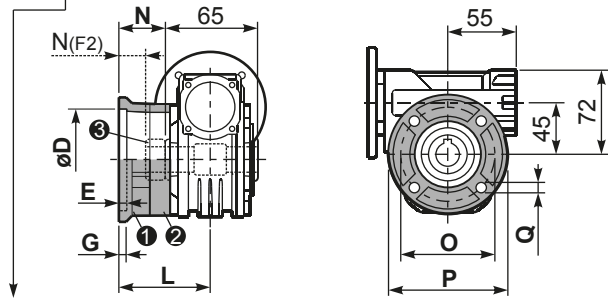
P045PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	72	81	3	100	52	98	121	144	ø10.5	K045.9.022
Tip S	71	84	8	100	70	90	120	143	ø8	KS045.9.023

P045FC... Çıkış Flanşı
Output flange

P045BR... Tork Kolu
Reaction arm

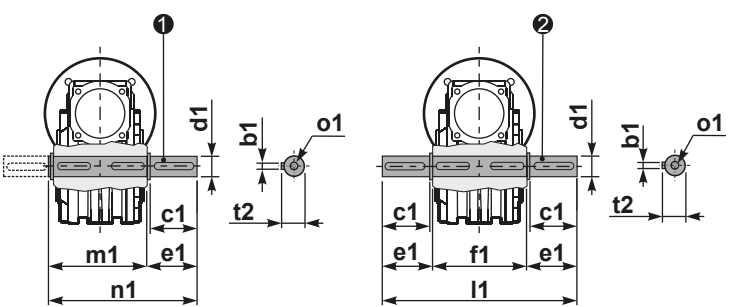


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	60 ^{+0.15} / _{+0.05}	9	9	60.5	28	87	110	8.5	① K045.9.010 ② -
FL	60 ^{+0.15} / _{+0.05}	9	9	90.5	58	87	110	8.5	① K045.9.010 ② K045.0.200

P045....S... Tek Çıkış Mili
Single Shaft

P045....D... Çift Çıkış Mili
Double Shaft

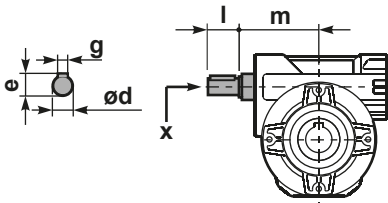
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	95 ^{+0.20} / _{+0.15}	4	11	73.5	41	115	140	9	① KS045.9.013 ② -
F2	60 ^{+0.15} / _{+0.05}	9	9	60.5	19	87	110	8.5	① KS045.9.010 ② S045.0.204
F3	80 ^{+0.15} / _{+0.10}	3	8	51.5	19	100	120	9	① KS045.9.014 ② -



① Kit Kodu K045.5.028 Tip B
Kit Kodu KS045.5.030 Tip S

② Kit Kodu K045.5.029 Tip B
Kit Kodu KS045.5.031 Tip S

R045FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	11 h6	12.5	4	30	68	-	① K045.5.006 PAM71 ② - ③ -
Tip S	-	-	-	-	-	-	① - ② - ③ -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	6	32	18 ^{-0.005} / _{-0.020}	43	65	151	70	113	20.5	M6x18
Tip S	6	40	19 ^{-0.005} / _{-0.020}	58.8	65	182	70	128.5	21.5	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n_1) = 1400 d/d

Çıkış devri n_2 [d/d]	Tahvil i	Motor gücü P_{1M} [kW]	Çıkış Momenti M_{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P_{1R} [kW]	Nominal moment M_{2R} [Nm]	Uygun B5 motor Flanşları			Uygun B14 motor flanşları				Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-D	-O	-P	-Q	-R			
							63	71	80	56	63	71	80			
200	7	0.75	29	1.9	1.5	57	B	B			B-C	B		82	2.5	01
140	10	0.75	41	1.5	1.1	62	B	B			B-C	B		80	2.4	02
100	14	0.75	57	1.2	0.90	68	B	B			B-C	B		79	2.6	03
78	18	0.55	51	1.2	0.67	62	B	B			B-C	B		75	2.0	04
54	26	0.55	67	1.0	0.54	66	B	B			B-C	B		69	2.7	05
47	30	0.55	79	0.9	0.50	72	B	B			B-C	B		70	2.5	12
39	36	0.37	63	1.2	0.43	72	B			B-C	B-C			69	2.1	06
33	43	0.37	72	1.0	0.35	68	B			B-C	B-C			66	1.8	07
23	60	0.25	59	1.0	0.26	62	B			B-C	B-C			58	1.3	08
21	68	0.25	66	0.9	0.22	58	B			B-C	B-C			57	1.2	09
17.5	80	0.18	53	1.1	0.19	57	B			B-C	B-C			54	1.0	10
14	100	0.12	41	1.3	0.15	51	B			B-C	B-C			50	0.8	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 050 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz.

Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır.

Tablo 2'de izin verilebilir radyal ve aksel yükler tanımlanmıştır.

EN Unit 050 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

■ YAĞLAMA 050 Yağ Miktarı 0.14 Lt.
LUBRICATION 050 Oil Quantity 0.14 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

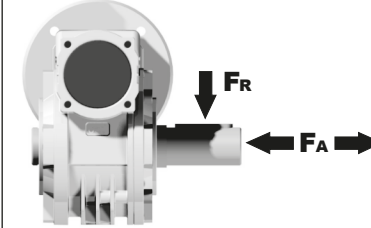
Daha fazla ayrıntı için internet sitemizi inceleyiniz.

For all details on lubrication and plugs check our website

Tablo 1

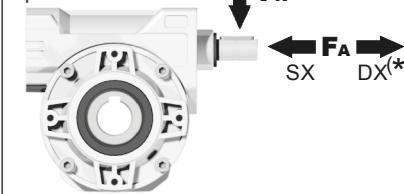
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
200	240	1200
150	280	1400
100	300	1500
75	340	1700
50	380	1900
25	480	2500
15	560	2800

Giriş Mili
Input Shaft



n_1 [d/d]	FA [N]	FR [N]
1400	76	380

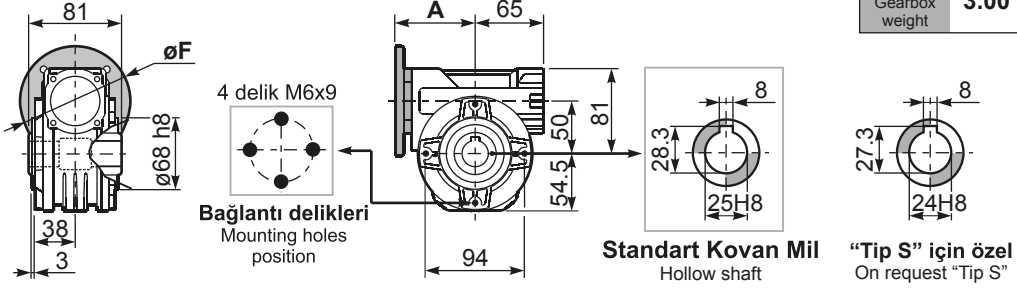
*DX yönünde aksel yüke izin verilmez.
Strong axial loads in the DX direction are not allowed.

Tablo 2

P050FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **3.00 kg**

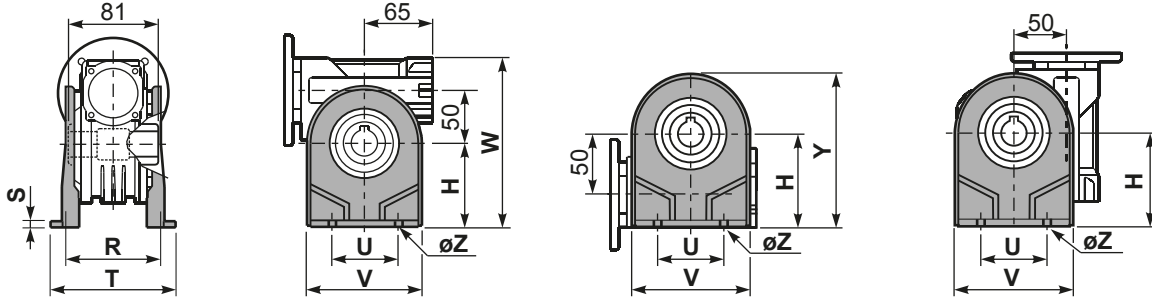
M. Flanşlar	Kit Kodu	øF	A
63B5	K050.4.041	138	78.5
71B5	K050.4.042	160	76
80B5	K050.4.043	200	76.5
56B14	KC40.4.049	80	76
63B14	K050.4.047	90	78.5
71B14	K050.4.045	105	76
80B14	K050.4.046	120	76.5



P050PA... Ayak
Feet

P050PB... Ayak
Feet

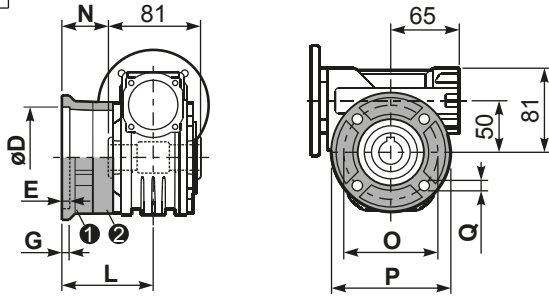
P050PV... Ayak
Feet



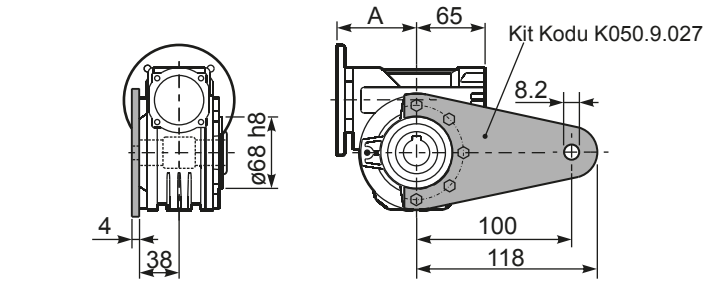
	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	82	98.5	3.5	123	63	113	138.5	163	ø10.5	K050.9.022
Tip S	85	96	10	114	85	110	139.5	166	ø10	KS050.9.023

P050FC... Çıkış Flanşı
Output flange

P050BR... Tork Kolu
Reaction arm



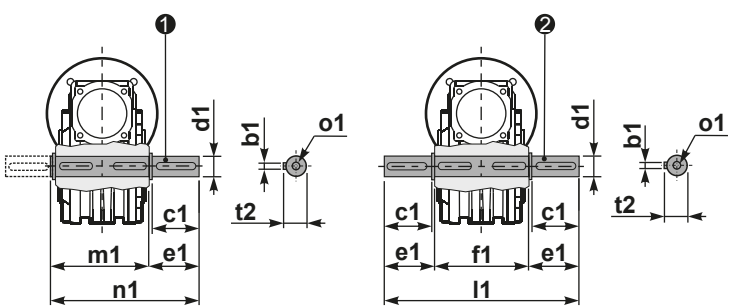
Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	70 ^{+0.20} / _{+0.15}	9	12	85	44.5	90	123	10.5	① K050.9.010 ② -
FL	70 ^{+0.20} / _{+0.15}	9	12	114.5	74	90	123	10.5	① K050.9.010 ② K050.0.200



P050....S... Tek Çıkış Mili
Single Shaft

P050....D... Çift Çıkış Mili
Double Shaft

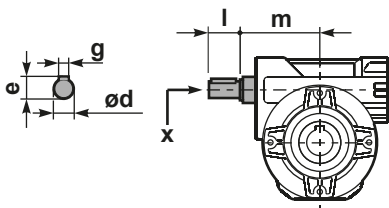
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	110 ^{+0.20} / _{+0.15}	4	11	83.5	43	130	160	10	① KS050.9.012 ② -
F2	70 ^{+0.20} / _{+0.15}	9	12	76.5	36	90	123	10.5	① KS050.9.014 ② -
F3	95 ^{+0.20} / _{+0.15}	4	10	66.5	26	115	140	10	① KS050.9.013 ② -



① Kit Kodu K050.5.028 Tip B
Kit Kodu KS050.5.030 Tip S

② Kit Kodu K050.5.029 Tip B
Kit Kodu KS050.5.031 Tip S

R050FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	16 h6	18	5	30	74.5	M6x16	① K050.5.006 PAM71 ② K050.5.007 PAM80
Tip S	14 h6	16	5	30	74.5	M5x10	① KS050.5.008 PAM71 ② KS050.5.009 PAM80

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	52	25 ^{-0.005} / _{-0.020}	59.5	81	200	86.5	146	28	M8x20
Tip S	8	50	24 ^{-0.005} / _{-0.020}	68.8	81	218	86.5	155	27	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları				Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu	
							-B	-C	-D	-E	-Q	-R	-T				
							63	71	80	90	71	80	90				
200	7	1.8	71	1.8	3.2	125		B	B			B-C	B-C		83	3.1	01
140	10	1.8	99	1.4	2.4	134		B	B			B-C	B-C		81	3.1	02
93	15	1.5	121	1.1	1.7	138		B	B			B-C	B-C		79	3.1	03
74	19	1.1	111	1.2	1.4	138		B	B			B-C	B-C		78	2.6	04
58	24	1.1	135	1.0	1.2	142		B	B			B-C	B-C		75	2.0	05
47	30	1.1	167	0.9	0.96	146		B	B			B-C	B-C		74	3.2	06
39	36	0.75	125	1.2	0.88	147		B	B			B-C	B-C		68	2.7	07
31	45	0.55	111	1.2	0.67	135	B	B				B-C	C		66	2.1	08
23	60	0.55	140	0.9	0.51	130	B	B				B-C	C		62	1.6	12
21	67	0.55	151	0.8	0.45	124	B	B				B-C	C		60	1.5	09
17.5	80	0.37	115	1.0	0.38	119	B	B				B-C	C		57	1.3	10
14.9	94	0.37	123	1.0	0.36	119	B	B				B-C	C		52	1.1	11

Uygun Motor Flanşları
Motor Flanges AvailableB) Burç ile montaj yapılabilir
Supplied with Reduction BushingB) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction BushingC) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 063 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit 063 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

■ YAĞLAMA 063 Yağ Miktarı 0.40 Lt.
LUBRICATION 063 Oil Quantity 0.40 Lt.

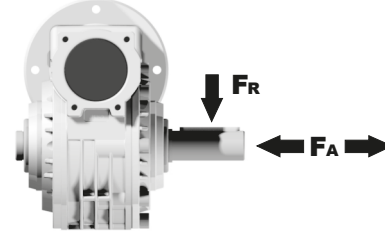
AGIP Telium VSF 320

SHELL Omala S4 WE 320

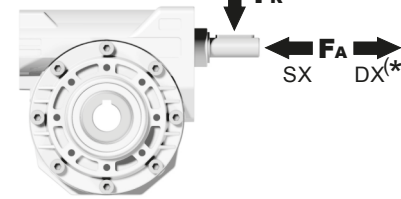
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n ₂ [d/d]	FA [N]	FR [N]
200	360	1800
150	400	2000
100	460	2300
75	500	2500
50	600	3000
25	700	3800
15	800	4000

Giriş Mili
Input Shaft

n ₁ [d/d]	FA [N]	FR [N]
1400	90	450

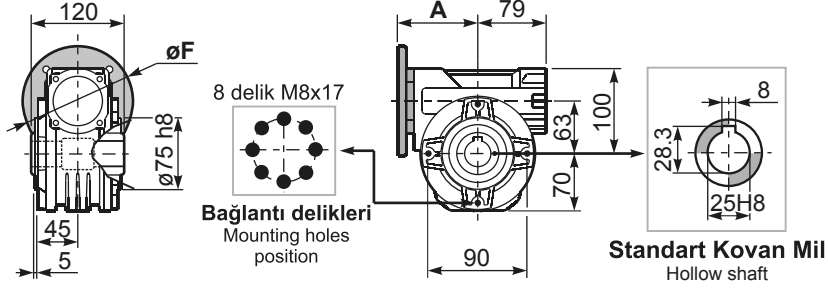
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P063FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **6.00 kg**

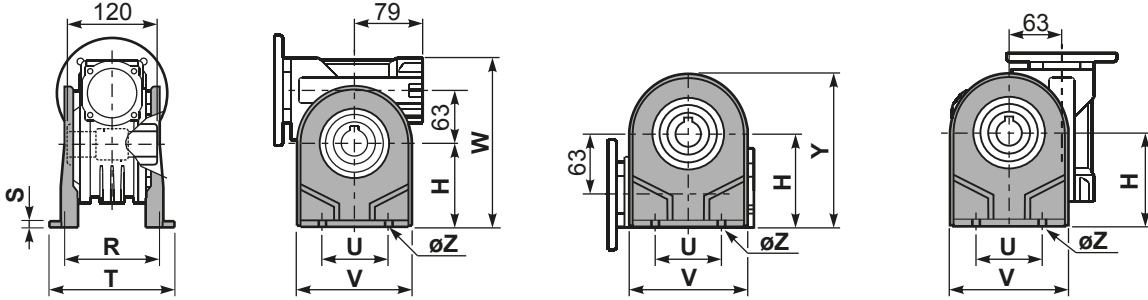
M. Flanşları	Kit Kodu	øF	A
63B5	K063.4.041	140	99.5
71B5	K063.4.042	160	97.5
80/90B5	K063.4.043	200	99.5
71B14	K063.4.047	105	97.5
80B14	K063.4.046	120	99.5
90B14	K063.4.041	140	99.5



P063PA... Ayak
Feet

P063PB... Ayak
Feet

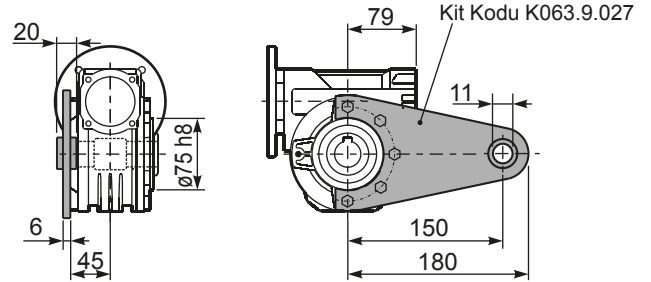
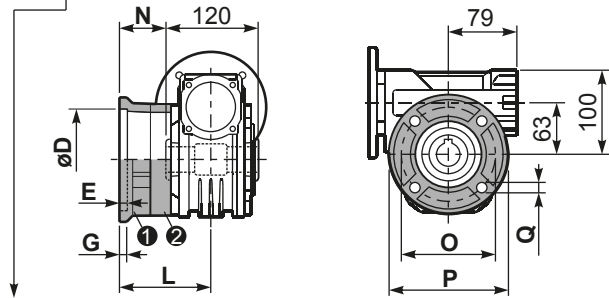
P063PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	100	111	4	144	95	133	170	200	ø10.5	K063.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

P063FC... Çıkış Flanşı
Output flange

P063BR... Tork Kolu
Reaction arm

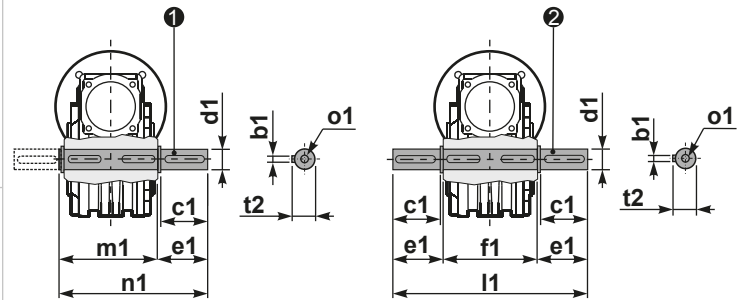


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 ^{+0.20} / _{+0.15}	7	13	86	26	150	175	11	① K063.9.010 ② -
FL	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① K063.9.010 ② K063.0.200

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.20} / _{+0.15}	7	13	102	42	165	200	13	① KS070.9.013 ② -
F2	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① KS063.9.013 ② -
F3	110 ^{+0.035} / ₀	5	11	82	22	130	160	10	① KS063.9.011 ② -

P063....S... Tek Çıkış Mili
Single Shaft

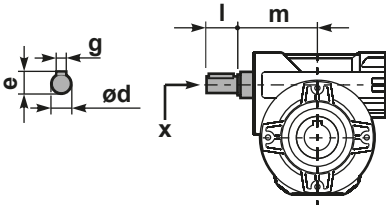
P063....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K063.5.028 Tip B

② Kit Kodu K063.5.029 Tip B

R063FB... Giriş Mili
Input shaft



Tip B	ød	e	g	l	m	x	Kit Kodu
Tip B	18 h6	20.5	6	45	93	M6x16	① K063.5.006 PAM80 ② K063.5.007 PAM90
Tip S	19 h6	21.5	6	40	93	M8x20	① KS063.5.008 PAM80 ② KS063.5.009 PAM90

Tip B	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	60	25 ^{-0.005} / _{-0.020}	63.2	120	246.4	126.8	190	28	M8x20
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R}	Uygun B5 motor Flanşları				Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu	
							-C	-D	-E	-F	-R	-T	-U				
							71	80	90	100 112	80	90	100 112				
200	7	4.0	168	1.5	6.1	257		B	B			B	B		88	4.23	01
140	10	4.0	218	1.3	5.2	284		B	B			B	B		80	4.2	02
100	14	3.0	223	1.4	4.1	305		B	B			B	B		78	4.5	03
70	20	2.2	237	1.2	2.7	294		B	B			B	B		79	3.4	04
64	22	2.2	258	1.1	2.5	294		B	B			B	B		78	3.1	05
50	28	2.2	315	1.1	2.4	347		B	B			B	B		75	4.7	06
37	38	1.5	276	1.2	1.8	336		B	B			B	B		71	3.5	07
30	46	1.5	320	1.0	1.5	326	B	B				B			68	3.1	08
27	52	1.1	258	1.1	1.2	289	B	B				B			66	2.7	09
21	67	1.1	327	0.9	0.97	289	B	B				B			65	2.1	10
18.9	74	0.75	220	1.2	0.91	268	B	B				B			58	1.9	11
14.6	96	0.55	191	1.3	0.70	242	B	B				B			53	1.5	12

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 085 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit 085 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA 085 Yağ Miktarı 1.20 Lt.
LUBRICATION 085 Oil Quantity 1.20 Lt.

AGIP Telium VSF 320

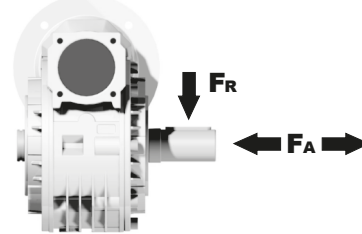
SHELL Omala S4 WE 320

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

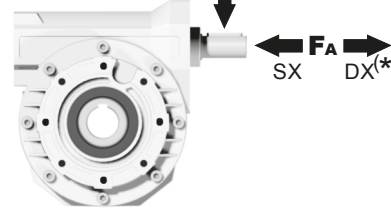
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
200	500	2500
150	580	2900
100	600	3000
75	700	3500
50	800	4000
25	1000	5000
15	1160	5800

Giriş Mili
Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	160	809

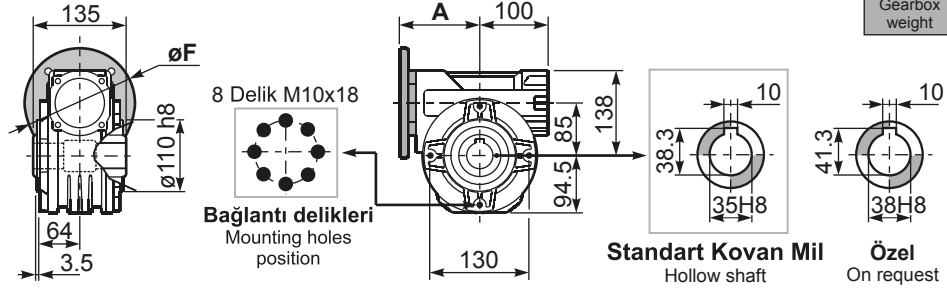
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P085FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **11.00 kg**

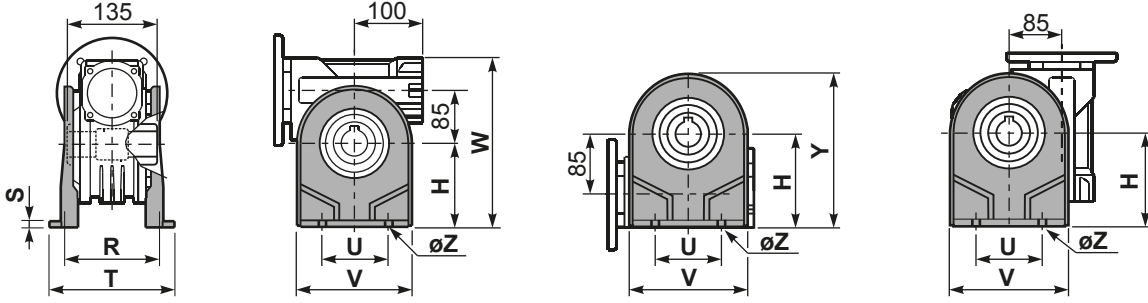
M. Flanşları	Kit Kodu	øF	A
71B5	K023.4.041	160	116
80/90B5	K023.4.042	200	118
100/112B5	K023.4.043	250	127
80B14	K085.4.046	120	118
90B14	K085.4.045	140	118
100/112B14	K023.4.041	160	116



P085PA... Ayak
Feet

P085PB... Ayak
Feet

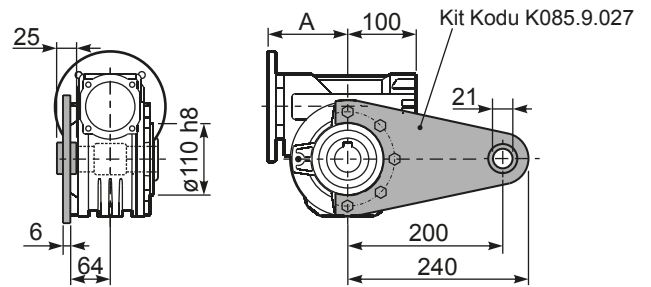
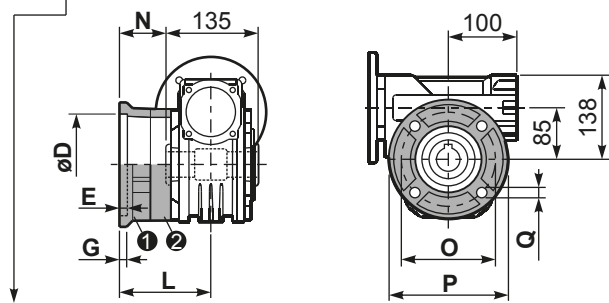
P085PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	142	145	5	182	140	180	236.5	280	ø10.5	K085.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

P085FC... Çıkış Flanşı
Output flange

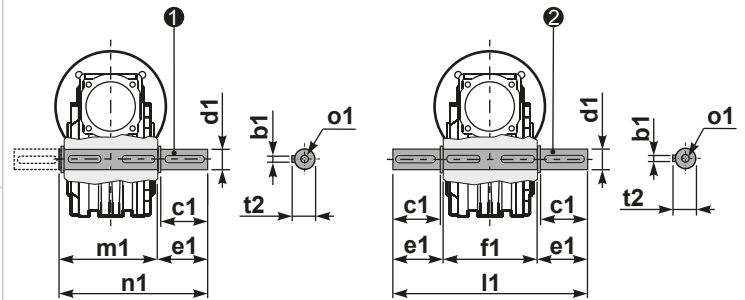
P085BR... Tork Kolu
Reaction arm



Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 ^{+0.06} / _{+0.00}	5	16	108	40.5	176	205	13	① K085.9.010 ② -
FL	152 ^{+0.06} / _{+0.00}	5	16	148.5	81	176	205	13	① K085.9.010 ② K085.0.201
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 H7	5	13	117.5	50	165	200	11.5	① KS085.9.012 ② -
F2	152 ^{+0.06} / _{+0.00}	5	15	147.5	80	180	205	12.5	① KS085.9.013 ② -
F4	130 H7	5	13	106.5	39	165	200	13	① KS085.9.015 ② -

P085...S... Tek Çıkış Mili
Single Shaft

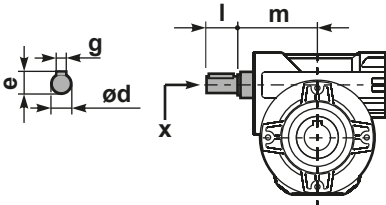
P085...D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K085.5.028 Tip B

② Kit Kodu K085.5.029 Tip B

R085FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	25 h6	28	8	50	112	M8x20	① K085.5.007 PAM90 ② K085.5.008 PAM100
Tip S	24 h6	27	8	50	112	M8x20	① KS085.5.009 PAM90 ② KS085.5.011 PAM100

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	10	60	35 ^{-0.005} / _{-0.020}	73.5	135	282	141	214.5	38	M10x23
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları					Uygun B14 motor flanşları				Dinamik verim RD	Modül [mm]	Tahvil kodu	
							-C	-D	-E	-F	-G	-R	-T	-U	-V				
							71	80	90	100 112	132	80	90	100 112	132				
200	7	7.5	315	1.5	11.5	483		B	B				B	B			88	5.5	01
140	10	7.5	440	1.2	9.0	525		B	B				B	B			86	5.4	02
88	16	5.5	492	1.1	6.0	536		B	B				B	B			82	5.3	03
70	20	4.0	447	1.2	4.9	546		B	B				B	B			82	4.5	04
61	23	3.0	377	1.4	4.1	515		B	B				B	B			80	3.9	05
47	30	3.0	467	1.4	4.2	651		B	B				B	B			76	5.6	06
37	38	3.0	583	1.1	3.3	641		B	B				B	B			75	4.7	07
31	45	2.2	493	1.2	2.7	599		B	B				B	B			73	4.0	08
26	53	2.2	557	1.1	2.5	620		B	B				B	B			70	3.5	09
22	64	1.5	452	1.2	1.8	536	B	B					B	B			69	2.9	10
16.7	84	1.1	410	1.2	1.3	494	B	B					B	B			65	2.2	11
14.1	99	1.1	446	1.1	1.2	483	B	B					B	B			60	1.9	12

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 110 gövde redüktörler yağsız olarak sevk edilir. Redüktör üzerinde havalandırma tapası, yağ göstergesi ve tahliye tapası mevcuttur. Mineral yağlar bu ekipmanlar ile birlikte kullanılır. Sentetik yağ kullanılmak istenirse bu ekipmanların körtapa ile değiştirilmesi önerilir. Tablo 1'de montaj pozisyonuna göre uygun yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

EN Unit 110 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug. Primary reduction unit is supplied with closed plugs and lubricated for life with synthetic oil. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

B3	B6	B7	B8	V5	V6
1.90 LT	1.35 LT	1.35 LT	2.00LT	2.00 LT	2.00LT

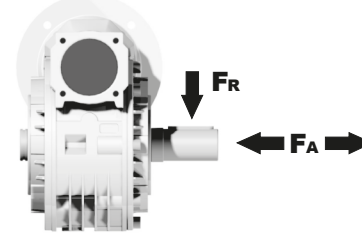
AGIP Blasia 460

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

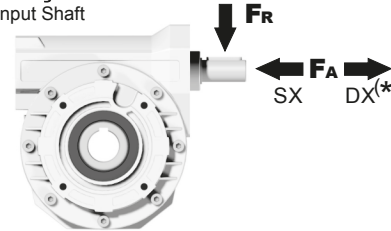
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
200	600	2900
150	700	3300
100	750	3600
75	800	4000
50	920	4600
25	1200	6000
15	1400	7000

Giriş Mili
Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	228	1140

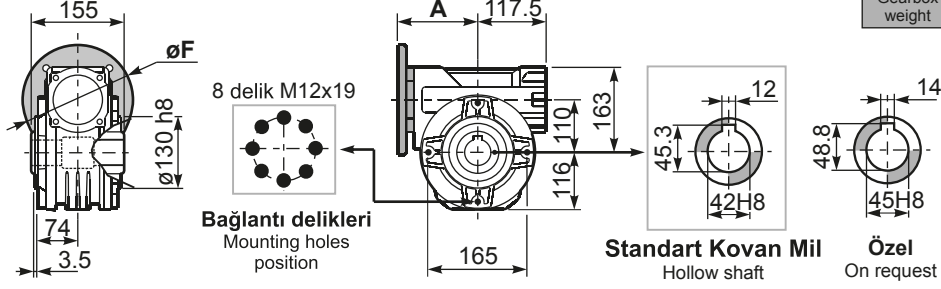
*DX yönünde eksenel yüke izin verilmez.
Strong axial loads in the DX direction are not allowed.

Tablo 2

P110FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **35.00 kg**

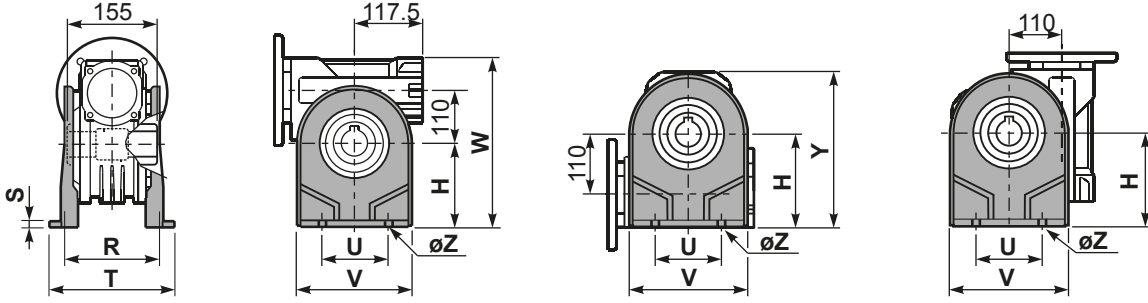
M. Flanslar	Kit Kodu	øF	A
71B5	K023.4.041	160	135.5
80/90B5	K023.4.042	200	137.5
100/112B5	K023.4.043	250	146.5
132B5	-	300	187
80B14	K085.4.046	120	137.5
90B14	K085.4.045	140	137.5
100/112B14	K023.4.041	160	135.5
132B14	-	200	187



P110PA... Ayak
Feet

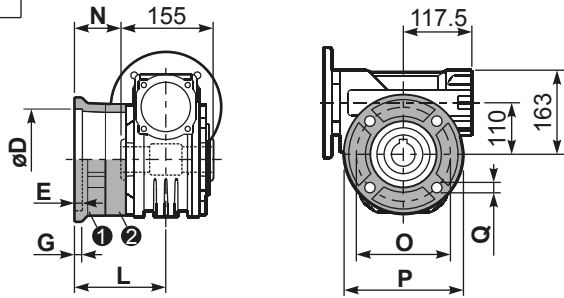
P110PB... Ayak
Feet

P110PV... Ayak
Feet



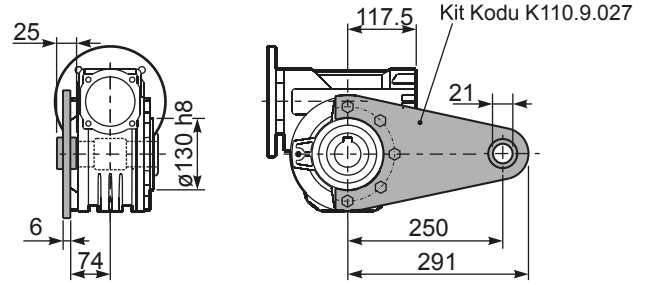
	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	170	180	22	224	200	240	286	333	ø13	K110.9.022
Tip S	172	160	18	190	200	240	288	335	ø14	KS110.9.023

P110FC... Çıkış Flanşı
Output flange



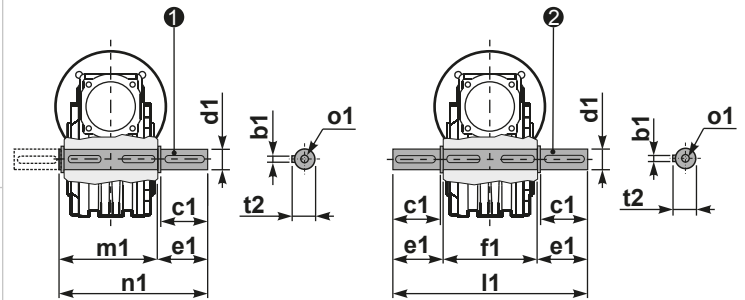
Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	170 ^{+0.083} _{+0.043}	11	16.5	131.5	54	230	270	13	① K110.9.010 ② -
FL	170 ^{+0.083} _{+0.043}	11	16.5	179.5	102	230	270	13	① K110.9.011 ② -
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	180 ^{+0.040} ₀	5	18	150	72.5	215	250	15	① KS110.9.014 ② -
F2	170 ^{+0.083} _{+0.043}	9.5	15	178	100.5	230	270	13	① KS110.9.012 ② -
F3	180 ^{+0.040} ₀	5	18	130	52.5	215	250	15	① KS110.9.013 ② -

P110BR... Tork Kolu
Reaction arm



P110....S... Tek Çıkış Mili
Single Shaft

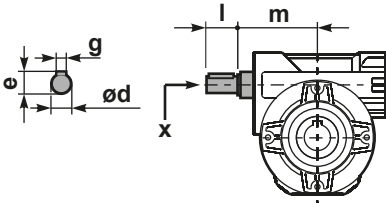
P110....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K110.5.028 Tip B

② Kit Kodu K110.5.029 Tip B

R110FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	25 h6	28	8	50	131.5	M8x20	① K085.5.007 PAM90 ② K085.5.008 PAM100
Tip S	24 h6	27	8	50	131.5	M8x20	① KS085.5.009 PAM90 ② KS085.5.011 PAM100

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	12	75	42 ^{-0.005} _{-0.020}	96.5	155	348	163.5	260	45	M12x32
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları			Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-C	-P	-Q			
							56	63	71	63	71			
47	30.1	0.25	38	1.4	0.36	55				C		74	2.2	01
33	43.0	0.25	53	1.0	0.26	55				C		72	2.2	02
23	60.2	0.25	62	0.9	0.22	55				C		60	2.4	03
15.5	90.3	0.12	42	1.3	0.16	55				C		57	1.6	04
11.6	120	0.12	52	1.1	0.13	55				C		53	2.5	05
8.8	159	0.12	64	0.9	0.10	55				C		49	1.8	06
7.1	198	0.12*	55	<0.8	0.09	55				C		47	1.5	07
5.4	258	0.12*	55	<0.8	0.07	55				C		45	1.2	08
4.7	301	0.12*	39	<0.8	0.05	39				C		40	1.0	09
3.2	439	0.12*	39	<0.8	0.04	39				C		36	0.72	10

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

TR P45 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve aksel yükler tanımlanmıştır.

EN Unit P45 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA /

Ortak Yağlama 0.17 lt (A + B).

LUBRICATION /

Common Lubrication 0.17 lt (A + B).

AGIP Telium VSF 320

SHELL Omala S4 WE 320

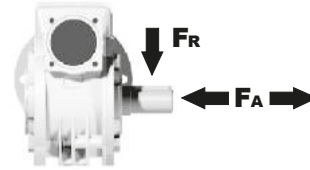
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

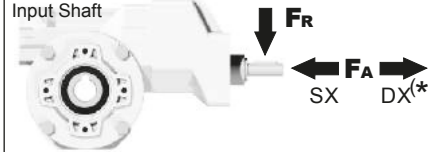
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
75	240	1200
50	260	1400
25	300	1800
15-6	400	2000

Giriş Mili

Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	44	220

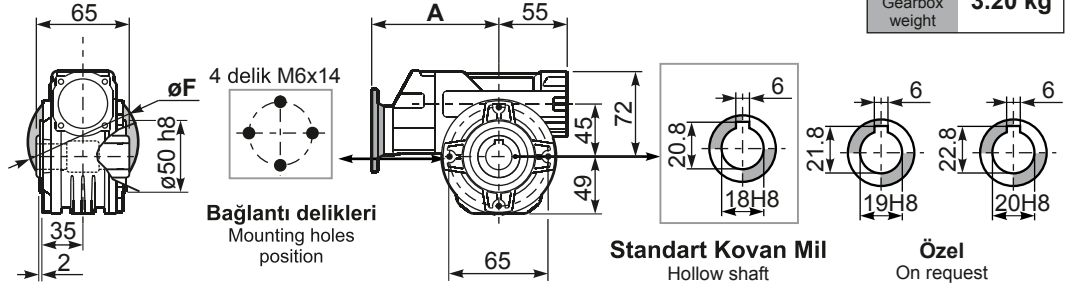
*DX yönünde aksel yükü izin verilmez.
Strong axial loads in the DX direction are not allowed.

Tablo 2

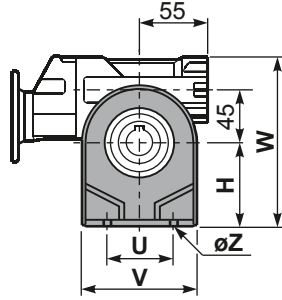
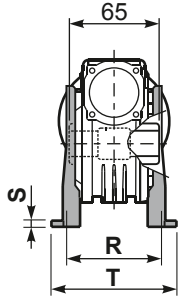
PP45FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **3.20 kg**

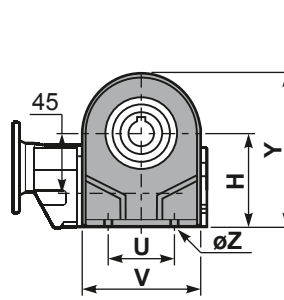
M. Flanşları	Kit Kodu	øF	A
56B5	K050.4.046	120	137.5
63B5	K050.4.041	138	139.5
71B5	K050.4.042	160	137
63B14	K050.4.047	90	139.5
71B14	K050.4.045	105	137



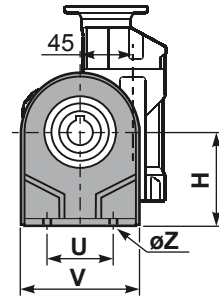
PP45PA... Ayak
Feet



PP45PB... Ayak
Feet

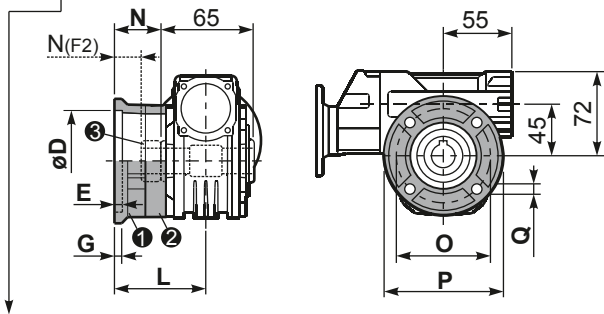


PP45PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	72	81	3	100	52	98	121	144	ø10.5	K045.9.022
Tip S	71	84	8	100	70	90	120	143	ø8	KS045.9.023

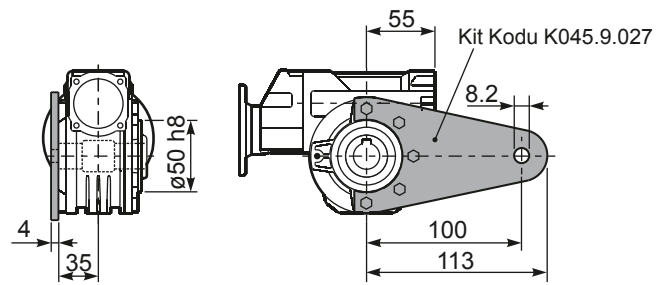
PP45FC... Çıkış Flanşı
Output flange



Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	60 ^{+0.15} / _{+0.05}	9	9	60.5	28	87	110	8.5	1 K045.9.010 2 -
FL	60 ^{+0.15} / _{+0.05}	9	9	90.5	58	87	110	8.5	1 K045.9.010 2 K045.0.200

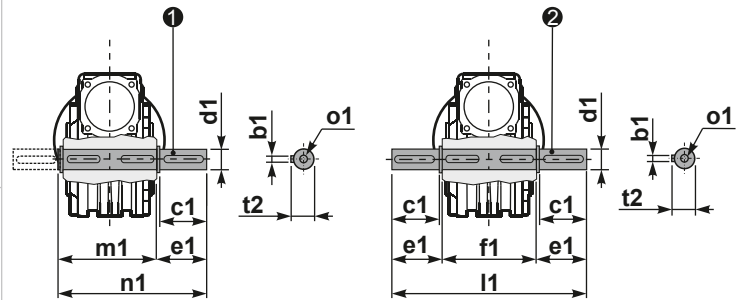
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	95 ^{+0.20} / _{+0.15}	4	11	73.5	41	115	140	9	1 KS045.9.013 2 -
F2	60 ^{+0.15} / _{+0.05}	9	9	60.5	19	87	110	8.5	1 KS045.9.010 2 S045.0.204
F3	80 ^{+0.03} / _{+0.00}	3	8	51.5	19	100	120	9	1 KS045.9.014 2 -

PP45BR... Tork Kolu
Reaction arm



PP45....S... Tek Çıkış Mili
Single Shaft

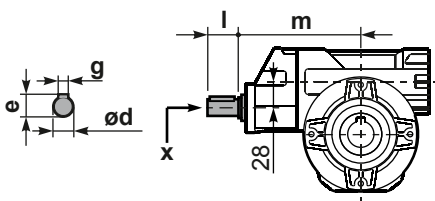
PP45....D... Çift Çıkış Mili
Double Shaft



1 Kit Kodu K045.5.028 Tip B
Kit Kodu KS045.5.030 Tip S

2 Kit Kodu K045.5.029 Tip B
Kit Kodu KS045.5.031 Tip S

RP45FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	14 h6	16	5	25	131	M5x13	C35.5.061
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	6	32	18 ^{-0.005} / _{-0.020}	43	65	151	70	113	20.5	M6x18
Tip S	6	40	19 ^{-0.005} / _{-0.020}	58.8	65	182	70	128.5	21.5	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları			Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-C	-P	-Q			
							56	63	71	63	71			
47	30.1	0.37	58	1.3	0.49	77				C		76	2.5	01
33	43.0	0.25	55	1.4	0.35	77				C		75	2.4	02
23	60.2	0.25	71	1.1	0.27	77				C		69	2.6	03
18.1	77.4	0.25	81	1.1	0.27	88				C		61	2.0	04
12.5	112	0.18	84	1.1	0.19	88				C		61	2.7	05
9.0	155	0.12	71	1.2	0.15	88				C		56	2.1	06
7.6	185	0.12	74	1.0	0.12	77				C		49	1.8	07
5.4	258	0.12*	77	<0.8	0.09	77				C		47	1.3	08
4.8	292	0.12*	66	<0.8	0.08	66				C		44	1.2	09
4.1	344	0.12*	44	<0.8	0.05	44				C		40	1.0	10
3.3	430	0.12*	44	<0.8	0.04	44				C		36	0.8	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans olarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}.

TR P50 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit P50 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Ortak Yağlama 0.26 l (A + B).

LUBRICATION /

Common Lubrication 0.26 l (A + B).



AGIP Telium VSF 320

SHELL Omala S4 WE 320

Daha fazla ayrıntı için internet sitemizi inceleyiniz.

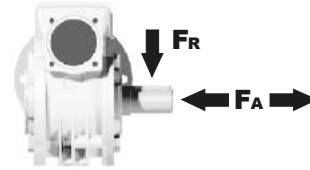
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

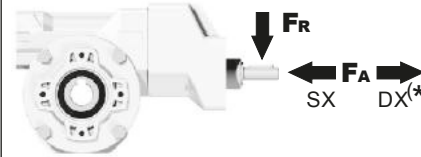
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
75	340	1700
50	380	1900
25	480	2500
15-6	560	2800

Giriş Mili

Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	44	220

*DX yönünde eksenel yüke izin verilmez

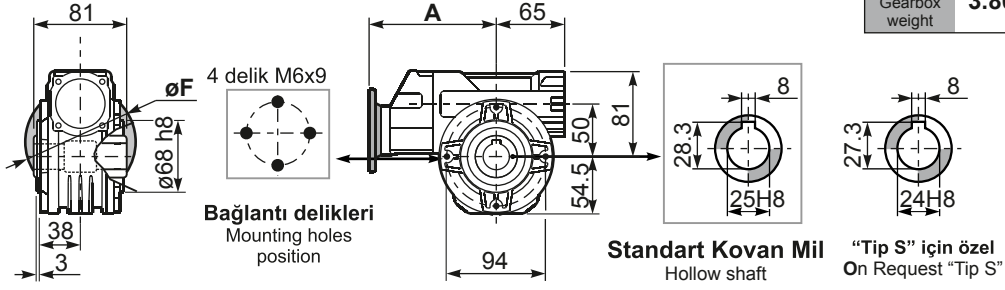
Strong axial loads in the DX direction are not allowed.

Tablo 2

PP50FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **3.80 kg**

M. Flanşları	Kit Kodu	øF	A
56B5	K050.4.046	120	142
63B5	K050.4.041	138	144
71B5	K050.4.042	160	141.5
63B14	K050.4.047	90	144
71B14	K050.4.045	105	141.5

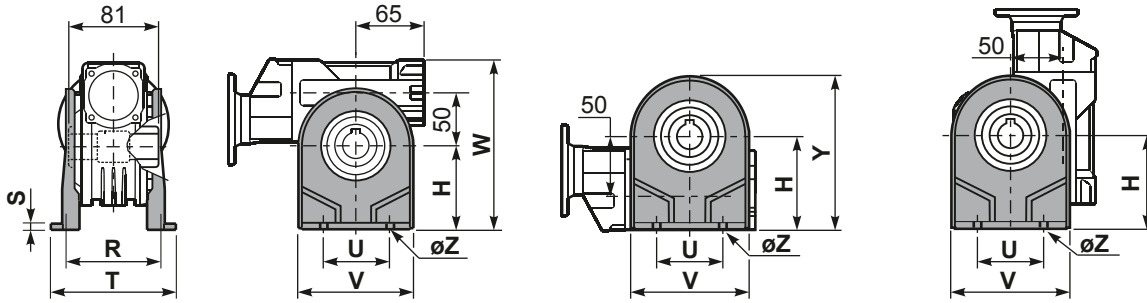


Standart Kovan Mil
Hollow shaft
"Tip S" için özel
On Request "Tip S"

PP50PA... Ayak
Feet

PP50PB... Ayak
Feet

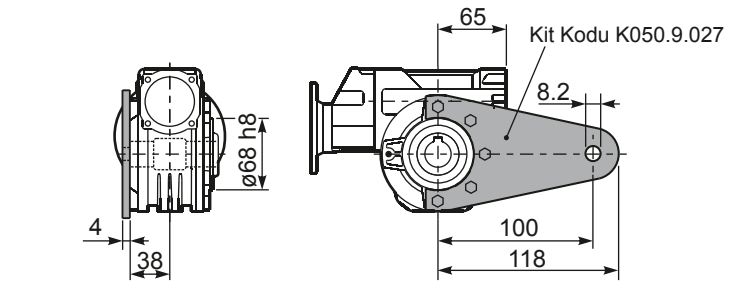
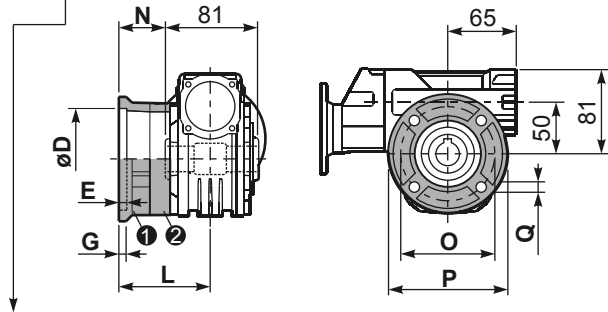
PP50PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	82	98.5	3.5	123	63	113	138.5	163	ø10.5	K050.9.022
Tip S	85	96	10	114	85	110	139.5	166	ø10	KS050.9.023

PP50FC... Çıkış Flanşı
Output flange

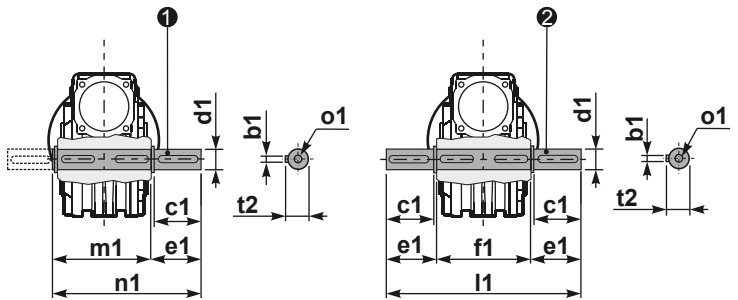
PP50BR... Tork Kolu
Reaction arm



Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	70 ^{+0.20} / _{+0.15}	9	12	85	44.5	90	123	10.5	① K050.9.010 ② -
FL	70 ^{+0.20} / _{+0.15}	9	12	114.5	74	90	123	10.5	① K050.9.010 ② K050.0.200
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	110 ^{+0.20} / _{+0.15}	4	11	83.5	43	130	160	10	① KS050.9.012 ② -
F2	70 ^{+0.20} / _{+0.15}	9	12	76.5	36	90	123	10.5	① KS050.9.014 ② -
F3	95 ^{+0.035} / ₀	4	10	66.5	26	115	140	10	① KS050.9.013 ② -

PP50.....S... Tek Çıkış Mili
Single Shaft

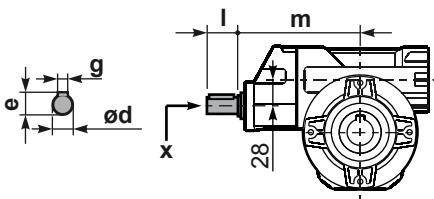
PP50.....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K050.5.028 Tip B
Kit Kodu KS050.5.030 Tip S

② Kit Kodu K050.5.029 Tip B
Kit Kodu KS050.5.031 Tip S

RP50FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	14 h6	16	5	25	135.5	M5x13	C35.5.061
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	52	25 ^{-0.005} / _{-0.020}	59.5	81	200	86.5	146	28	M8x20
Tip S	8	50	24 ^{-0.005} / _{-0.020}	68.8	81	218	86.5	155	27	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları				Uygun B14 motor flanşları				Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-D	-E	-P	-Q	-R	-T			
							63	71	80	90	63	71	80	90			
IEC 90 - 80 - 71	47	29.9	0.75	113	1.5	1.1	165					C	C		74	2.6	01
	37	37.7	0.75	141	1.2	0.88	165					C	C		73	2.0	02
	30	47.1	0.75	169	1.1	0.83	187					C	C		70	3.2	03
	25	56.6	0.55	136	1.4	0.76	187					C	C		64	2.7	04
	19.8	70.7	0.55	164	1.1	0.63	187					C	C		62	2.1	05
	15.9	87.8	0.37	162	1.2	0.43	187					C	C		73	2.6	06
	12.6	111.0	0.37	199	0.9	0.35	187					C	C		71	2.0	07
IEC 71 - 63	10.1	139	0.37	234	0.8	0.30	187					C			67	3.2	08
	8.4	166	0.25	173	1.1	0.27	187					C			61	2.7	09
	6.7	208	0.18	151	1.1	0.20	165					C			59	2.1	10
	4.5	310	0.12	129	1.3	0.15	165					C			51	1.5	11
	3.8	370	0.12	145	1.1	0.14	165					C			48	1.3	12
	3.2	434	0.12	149	0.9	0.11	138					C			42	1.1	13

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

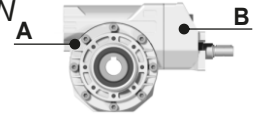
C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR P63 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit P63 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA / LUBRICATION

B3-V5-V6 montaj pozisyonlarında ayrı yağlama A (0.40 l) B (0.08 l), B6-B7-B8 montaj pozisyonlarında ortak yağlama 0.38 l (A + B)



AGIP Telium VSF 320

SHELL Omala S4 WE 320

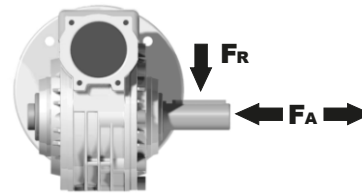
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

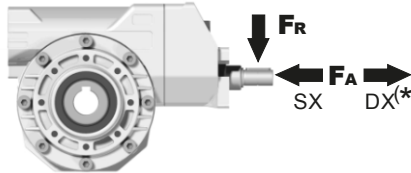
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
75	500	2500
50	600	3000
25	700	3800
15-6	800	4000

Giriş Mili

Input Shaft



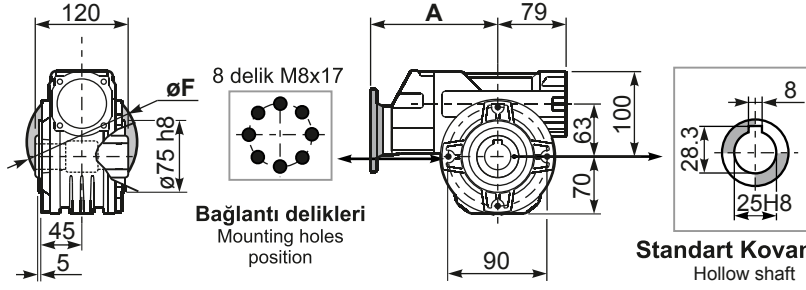
n ₁ [d/d]	FA [N]	FR [N]
1400	61	305

*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

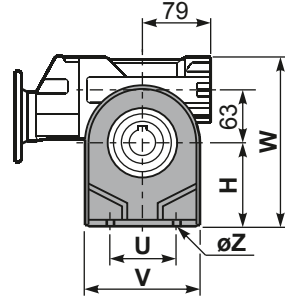
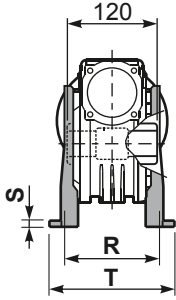
PP63FB... Standart Redüktör
Basic wormbox

M	Flanşları	Kit Kodu	øF	A
29.9+111	71B5	K063.4.042	160	176.5
	80/90B5	K063.4.043	200	178.5
	71B14	K063.4.047	105	176.5
	80B14	K063.4.046	120	178.5
	90B14	K063.4.041	140	178.5
139+434	63B5	K050.4.041	138	162.5
	71B5	K050.4.042	160	160
	63B14	K050.4.047	90	162.5
	71B14	K050.4.045	105	160

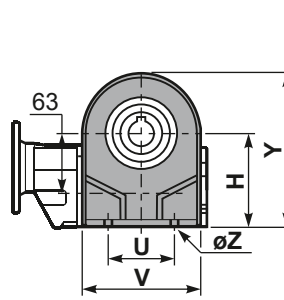


Ağırlık Gearbox weight	29.9+111 Kg	139+434 Kg
	7.30	7.80

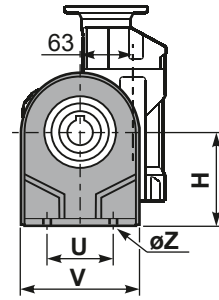
PP63PA... Ayak
Feet



PP63PB... Ayak
Feet

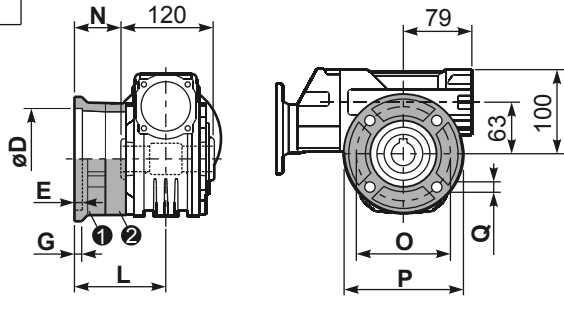


PP63PV... Ayak
Feet



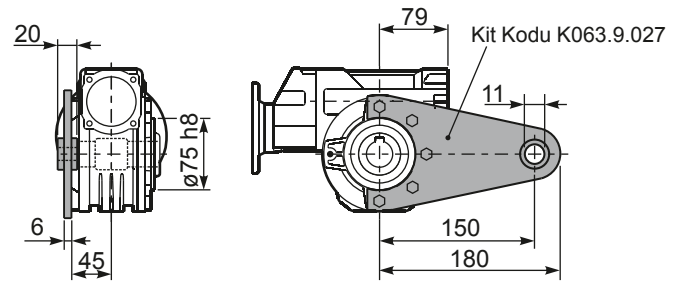
	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	100	111	4	144	95	133	170	200	ø10.5	K063.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

PP63FC... Çıkış Flanşı
Output flange



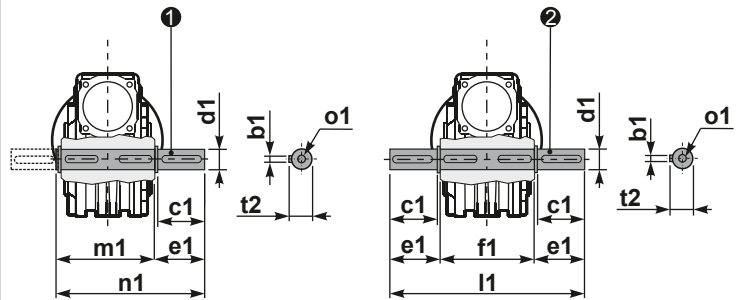
Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 ^{+0.20} / _{+0.15}	7	13	86	26	150	175	11	① K063.9.010 ② -
FL	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① K063.9.010 ② K063.0.200
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.20} / _{+0.15}	7	13	102	42	165	200	13	① KS070.9.013 ② -
F2	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① KS063.9.013 ② -
F3	110 ^{+0.035} / ₀	5	11	82	22	130	160	10	① KS063.9.011 ② -

PP63BR... Tork Kolu
Reaction arm



PP63.....S... Tek Çıkış Mili
Single Shaft

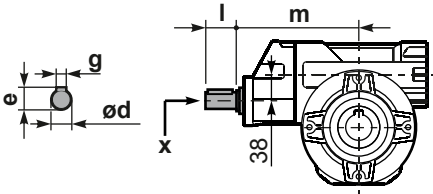
PP63.....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K063.5.028 Tip B

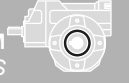
② Kit Kodu K063.5.029 Tip B

RP63FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
29.9+111	19 h6	21.5	6	35	169.4	M6x16	C40.5.062
139+434	14 h6	16	5	25	154.2	M5x13	C35.5.061

	b1	c1	d1	e1	f1	l1	m1	n1	t2	ø1
Tip B	8	60	25 ^{-0.005} / _{-0.020}	63.2	120	246.4	126.8	190	28	M8x20
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları				Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-D	-E	-Q	-R	-T			
							63	71	80	90	71	80	90			
23.5	59.7	1.1	300	1.4	1.5	418					C	C		67	3.5	01
19.4	72.3	1.1	347	1.2	1.3	407					C	C		64	3.1	02
17.1	81.7	1.1	374	1.1	1.2	418					C	C		61	2.7	03
13.3	105	0.75	323	1.2	0.89	385					C	C		60	2.1	04
8.0	176	0.55	415	1.1	0.58	440	B				C	C		63	3.5	05
6.6	213	0.37	322	1.3	0.47	407	B				C	C		60	3.1	06
5.8	240	0.37	321	1.3	0.48	418	B				C	C		53	2.7	07
4.3	328	0.37	438	1.0	0.35	418	B				C	C		53	2.7	08
3.3	422	0.25	374	1.0	0.26	385	B				C	C		52	2.1	09
3.0	466	0.25	358	0.9	0.23	330	B				C	C		45	1.9	10
2.3	605	0.18	297	1.1	0.20	330	B				C	C		40	1.5	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR P85 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit P85 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA / LUBRICATION

B3-V5-V6 montaj pozisyonlarında ayrı yağlama A (1.20 l) B (0.14 l) , B6-B7-B8 montaj pozisyonlarında ortak yağlama 0.90 l (A + B).



AGIP Telium VSF 320

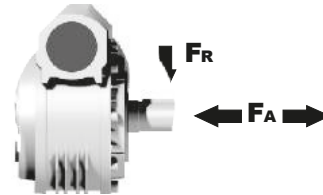
SHELL Omala S4 WE 320

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

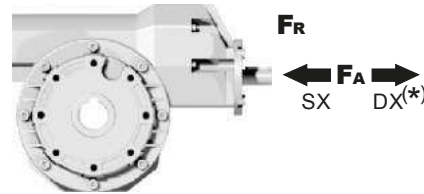
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
75	700	3500
50	800	4000
25	1000	5000
15-6	1160	5800

Giriş Mili
Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	108	540

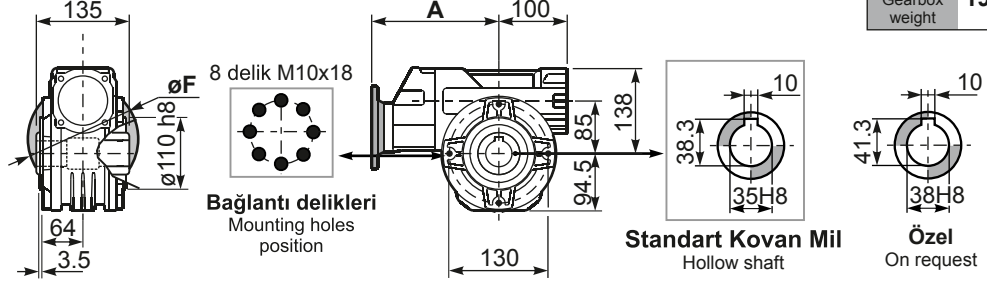
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

PP85FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **19.30 kg**

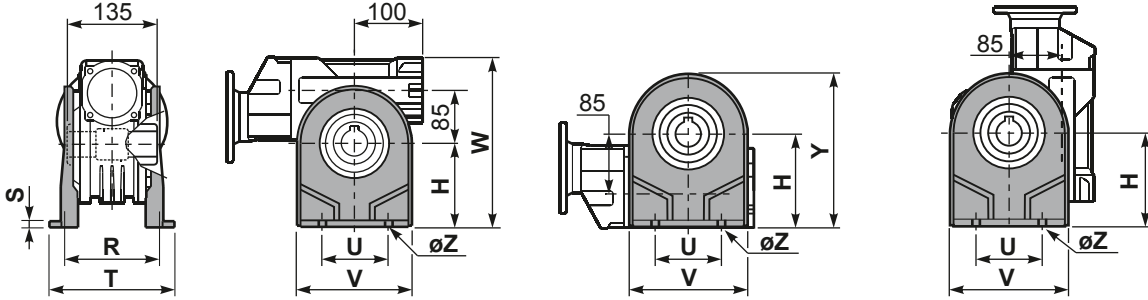
M. Flanşları	Kit Kodu	øF	A
63B5	K063.4.041	140	195.2
71B5	K063.4.042	160	193.2
80/90B5	K063.4.043	200	195.2
71B14	K063.4.047	105	193.2
80B14	K063.4.046	120	195.2
90B14	K063.4.041	140	195.2



PP85PA... Ayak
Feet

PP85PB... Ayak
Feet

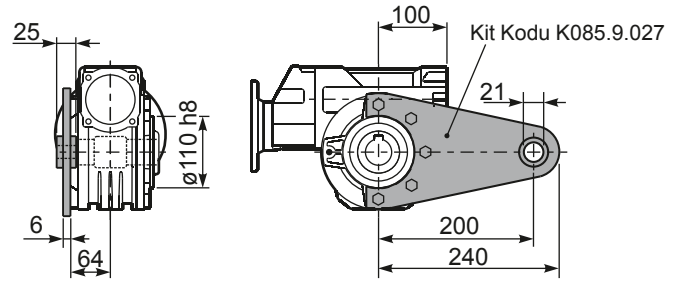
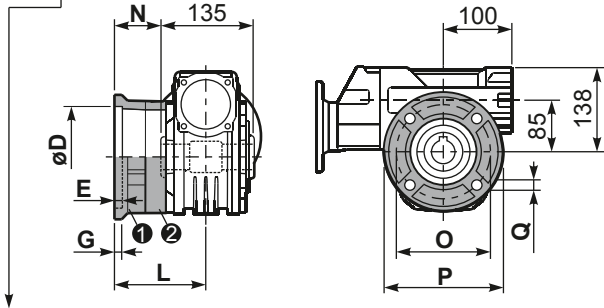
PP85PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	142	145	5	182	140	180	236.5	280	ø10.5	K085.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

PP85FC... Çıkış Flanşı
Output flange

PP85BR... Tork Kolu
Reaction arm

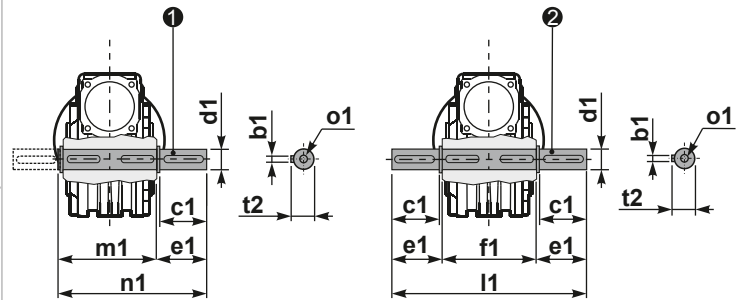


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 ^{+0.06} / _{+0.00}	5	16	108	40.5	176	205	13	1 K085.9.010 2 -
FL	152 ^{+0.06} / _{+0.00}	5	16	148.5	81	176	205	13	1 K085.9.010 2 K085.0.201

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.04} / _{+0.00}	5	13	117.5	50	165	200	11.5	1 KS085.9.012 2 -
F2	152 ^{+0.06} / _{+0.00}	5	15	147.5	80	180	205	12.5	1 KS085.9.013 2 -
F4	130 ^{+0.04} / _{+0.00}	5	13	106.5	39	165	200	13	1 KS085.9.015 2 -

PP85.....S... Tek Çıkış Mili
Single Shaft

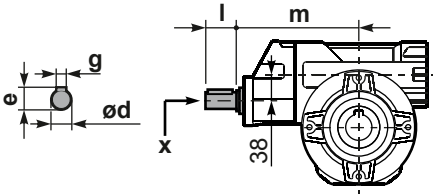
PP85.....D... Çift Çıkış Mili
Double Shaft



1 Kit Kodu K085.5.028 Tip B

2 Kit Kodu K085.5.029 Tip B

RP85FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	19 h6	21.5	6	35	187.5	M6x16	C40.5.062
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	10	60	35 ^{-0.005} / _{-0.020}	73.5	135	282	141	214.5	38	M10x23
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları				Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-D	-E	-Q	-R	-T			
							63	71	80	90	71	80	90			
16.8	83.2	1.5	587	1.1	1.7	660					C			69	3.5	01
13.9	100.5	1.5	699	0.8	1.3	594					C			68	2.9	02
10.6	132	1.1	634	0.9	0.95	550					C			64	2.2	03
8.0	176	0.75	666	1.2	0.90	803	B				C			74	4.7	04
6.7	208	0.75	766	0.9	0.65	660	B				C			72	4.0	05
5.7	245	0.55	634	1.0	0.57	660	B				C			69	3.5	06
4.7	296	0.55	755	0.8	0.43	594	B				C			68	2.9	07
4.2	334	0.55	865	0.8	0.42	660	B				C			69	3.5	08
3.5	403	0.37	692	0.9	0.32	594	B				C			68	2.9	09
2.6	529	0.25	577	1.0	0.24	550	B				C			64	2.2	10
2.2	624	0.25	628	0.8	0.21	528	B				C			59	1.9	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR P10 gövde redüktörler yağsız olarak sevk edilir. Redüktör üzerinde havalandırma tapası, yağ göstergesi ve tahliye tapası mevcuttur. Mineral yağlar bu ekipmanlar ile birlikte kullanılır. Sentetik yağ kullanılmak istenirse bu ekipmanların körtapa ile değiştirilmesi önerilir. Tablo 1'de montaj pozisyonuna göre uygun yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

EN Unit P10 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug. Primary reduction unit is supplied with closed plugs and lubricated for life with synthetic oil. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

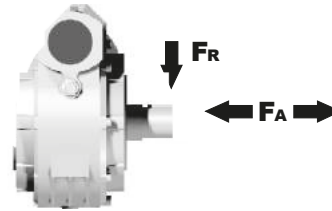
B3	B6	B7	B8	V5	V6
2.0/0.14LT	1.35/0.14 LT	1.35/0.14 LT	2.0/0.14 LT	2.0/0.14 LT	2.0/0.14 LT
AGIP Blasia 460					

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

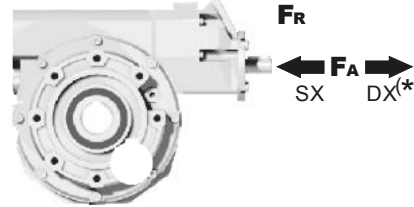
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
75	800	4000
50	920	4600
25	1200	6000
15-6	1400	7000

Giriş Mili Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	150	760

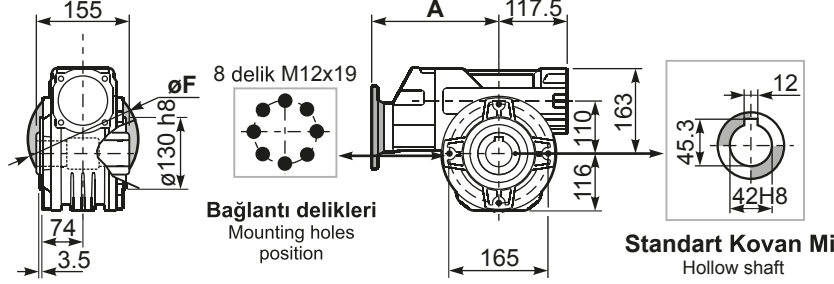
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

PP10FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **41.00 kg**

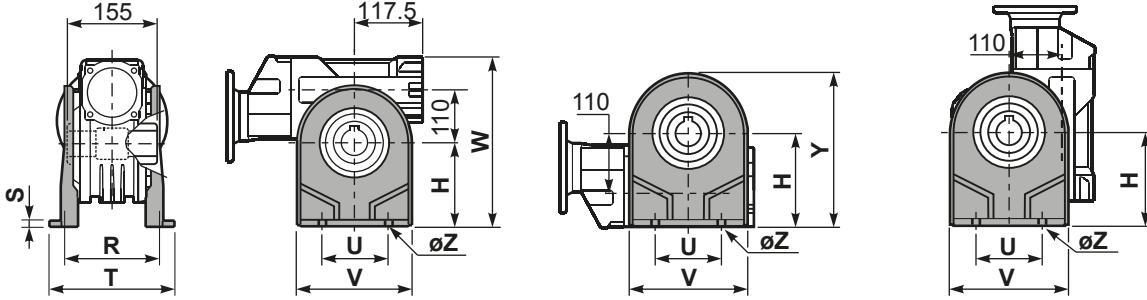
M. Flanşları	Kit Kodu	øF	A
63B5	K063.4.041	140	214.7
71B5	K063.4.042	160	212.7
80/90B5	K063.4.043	200	214.7
71B14	K063.4.047	105	212.7
80B14	K063.4.046	120	214.7
90B14	K063.4.041	140	214.7



PP10PA... Ayak
Feet

PP10PB... Ayak
Feet

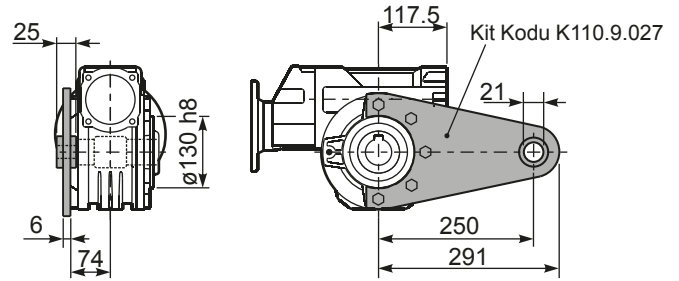
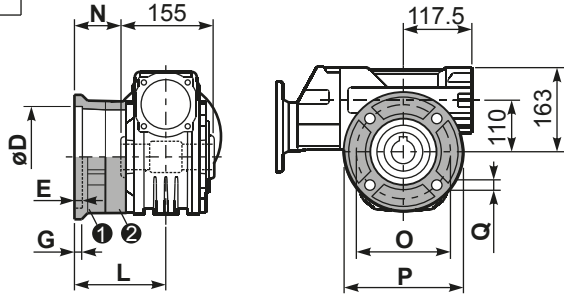
PP10PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	170	180	22	224	200	240	286	333	ø13	K110.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

PP10FC... Çıkış Flanşı
Output flange

PP10BR... Tork Kolu
Reaction arm

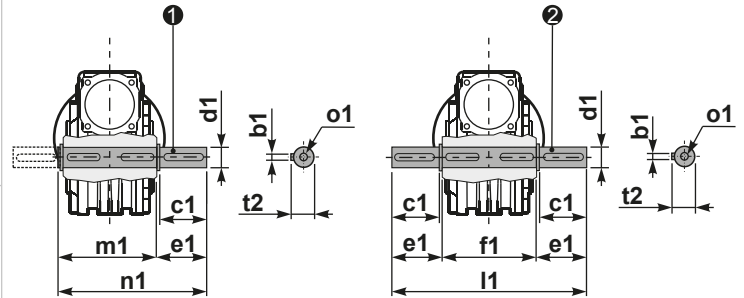


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	170 ^{+0.083} / _{+0.043}	11	16.5	131.5	54	230	270	13	① K110.9.010 ② -
FL	170 ^{+0.083} / _{+0.043}	11	16.5	179.5	102	230	270	13	① K110.9.011 ② -

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	180 ^{+0.040} / ₀	5	18	150	72.5	215	250	15	① KS110.9.014 ② -
F2	170 ^{+0.083} / _{+0.043}	9.5	15	178	100.5	230	270	13	① KS110.9.012 ② -
F3	180 ^{+0.040} / ₀	5	18	130	52.5	215	250	15	① KS110.9.013 ② -

PP10.....S... Tek Çıkış Mili
Single Shaft

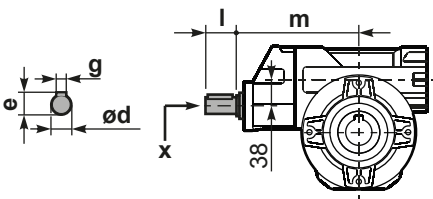
PP10.....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K110.5.028 Tip B

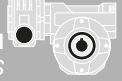
② Kit Kodu K110.5.029 Tip B

RP10FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	19 h6	21.5	6	35	205	M6x16	C40.5.062
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	12	75	42 ^{-0.005} / _{-0.020}	96.5	155	348	163.5	260	45	M12x32
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-O	-P			
							56	63	56	63			
9.3	150	0.06	29	1.2	0.07	35	B		B-C		48	1.44	01
6.7	210	0.06	39	0.9	0.05	35	B		B-C		45	1.44	02
4.7	300	0.06*	35	<0.8	0.05	35	B		B-C		36	1.44	03
3.1	450	0.06*	35	<0.8	0.03	35	B		B-C		33	1.44	04
2.3	600	0.06*	35	<0.8	0.03	35	B		B-C		30	1.44	05
1.6	900	0.06*	35	<0.8	0.02	35	B		B-C		27	1.44	06
1.2	1200	0.06*	35	<0.8	0.02	35	B		B-C		26	1.44	07
0.8	1830	0.06*	35	<0.8	0.01	35	B		B-C		24	1.44	08
0.6	2400	0.06*	35	<0.8	0.01	35	B		B-C		22	1.44	09

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}.

TR 303 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz.
Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır.
Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

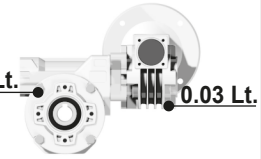
EN Unit 303 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 0.03/0.03 lt.

LUBRICATON

Oil Quantity 0.03/0.03 lt.



AGIP Telium VSF 320

SHELL Omala S4 WE 320

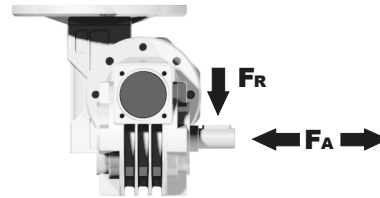
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

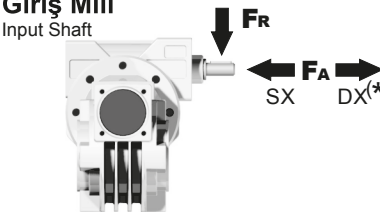
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
25	300	1800
15	400	2000

Giriş Mili

Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	20	100

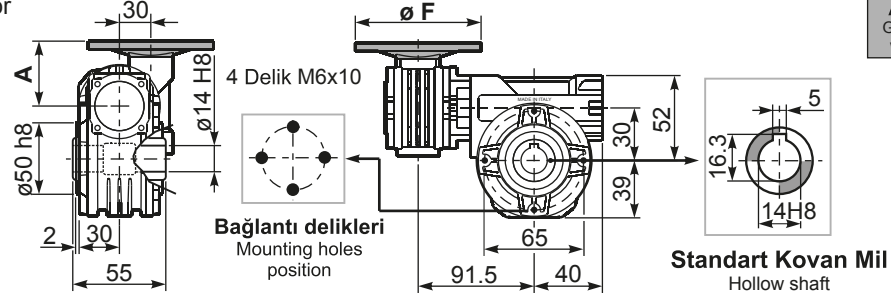
*DX yönünde eksenel yüke izin verilmez.
Strong axial loads in the DX direction are not allowed.

Tablo 2

P303FB... Standart Redüktör
Basic wormbox

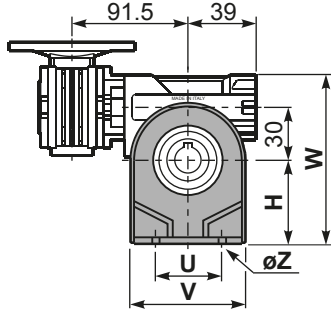
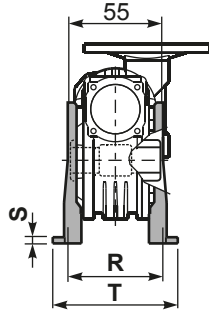
Ağırlık
Gearbox
weight **2.15 kg**

M. Flanşları	Kit Kodu	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5

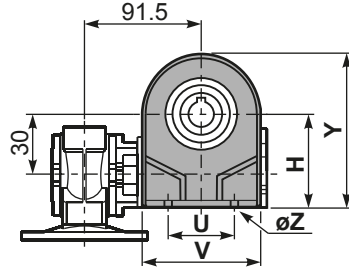


Standart Kovan Mil
Hollow shaft

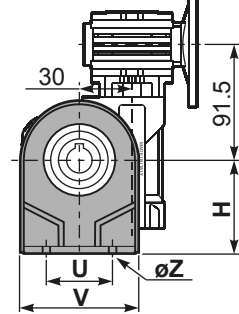
P303PA... Ayak
Feet



P303PB... Ayak
Feet

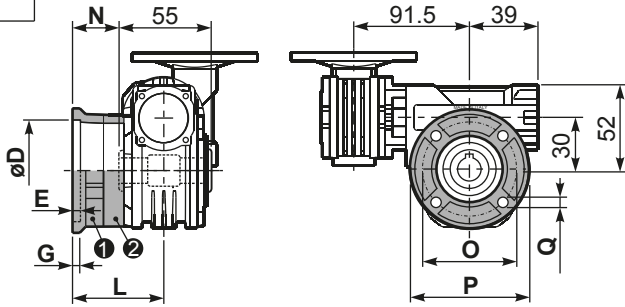


P303PV... Ayak
Feet



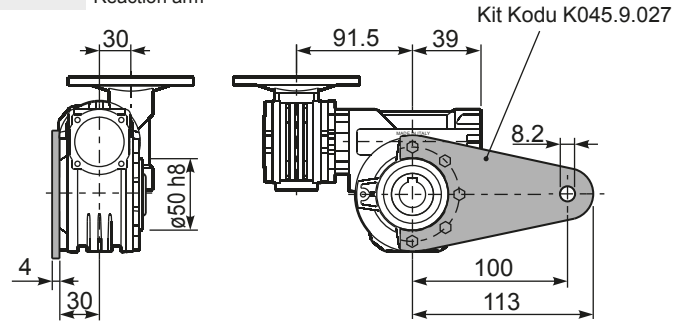
	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	55	66	3	87	50	78	94	107	ø6.5	K030.9.022
Tip S	52	66	3	87	52	90	91	104	ø6.5	KS030.9.023

P303FC... Çıkış Flanşı
Output flange

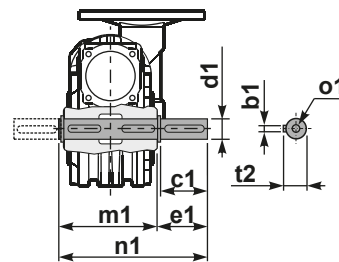


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	50 ^{+0.15} _{+0.05}	6	6	50.5	23	68	80	7	1 K030.9.010 2 -
FL	60 ^{+0.15} _{+0.05}	6	6	55.5	28	87	110	8.5	1 K030.9.011 2 -
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	40 ^{+0.15} _{+0.10}	3.5	5.5	49	21.5	56	80	6.5	1 KS030.9.012 2 -

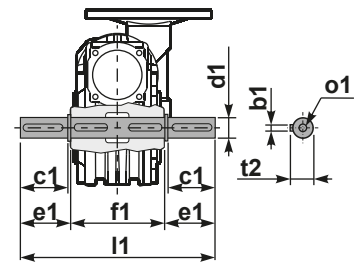
P303BR... Tork Kolu
Reaction arm



P303....S... Tek Çıkış Mili
Single Shaft



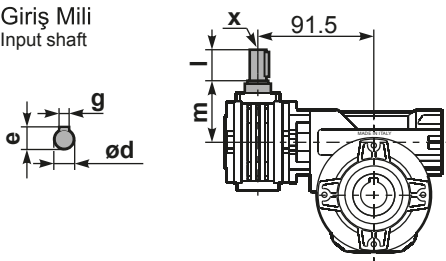
P303....D... Çift Çıkış Mili
Double Shaft



1 Kit Kodu K030.5.028 Tip B

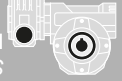
2 Kit Kodu K030.5.029 Tip B

R303FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	9 h6	10.2	3	20	58	-	K030.5.006 PAM63
Tip S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	5	25	14 ^{-0.005} _{-0.020}	35.5	55	126	59	94.5	15.8	M5x14
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-O	-P			
							56	63	56	63			
10.0	140	0.12	57	1.2	0.14	69	B		B-C		50	2.2	01
7.0	200	0.12	79	0.9	0.11	69	B		B-C		48	2.2	02
5.0	280	0.12*	69	<0.8	0.08	69	B		B-C		45	2.4	03
3.3	420	0.12*	69	<0.8	0.07	69	B		B-C		36	1.6	04
2.5	560	0.12*	69	<0.8	0.05	69	B		B-C		33	2.5	05
1.9	740	0.12*	69	<0.8	0.05	69	B		B-C		30	1.8	06
1.5	920	0.12*	69	<0.8	0.04	69	B		B-C		27	1.5	07
1.3	1120	0.12*	69	<0.8	0.03	69	B		B-C		26	2.5	08
0.9	1480	0.12*	69	<0.8	0.03	69	B		B-C		24	1.8	09
0.8	1840	0.12*	69	<0.8	0.02	69	B		B-C		22	1.5	10
0.6	2400	0.12*	69	<0.8	0.02	69	B		B-C		21	1.2	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}.

TR 453 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz.
Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır.
Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

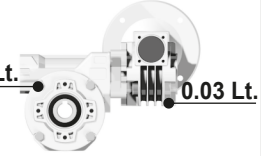
EN Unit 453 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 0.09/0.03 lt

LUBRICATON

Oil Quantity 0.09/0.03 lt



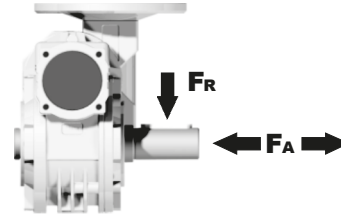
AGIP Telium VSF 320

SHELL Omala S4 WE 320

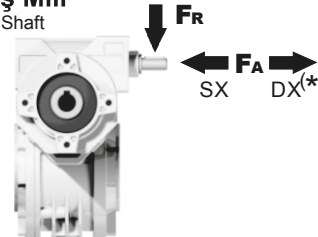
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n ₂ [d/d]	FA [N]	FR [N]
25	300	1800
15	400	2000

Giriş Mili
Input Shaft

n ₁ [d/d]	FA [N]	FR [N]
1400	20	100

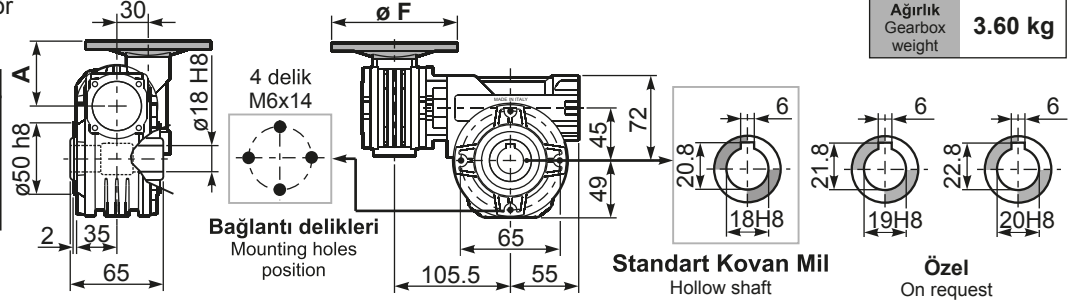
*DX yönünde eksenel yüke izin verilmez.
Strong axial loads in the DX direction are not allowed.

Tablo 2

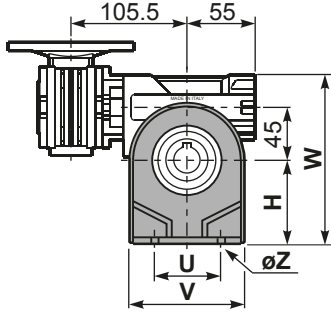
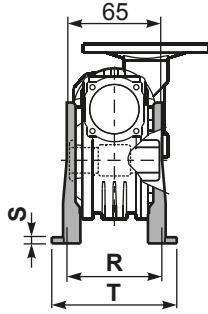
P453FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **3.60 kg**

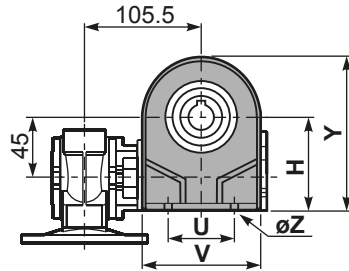
M. Flanşları	Kit Kodu	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5



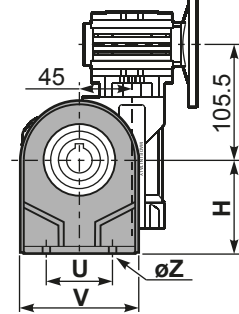
P453PA... Ayak
Feet



P453PB... Ayak
Feet

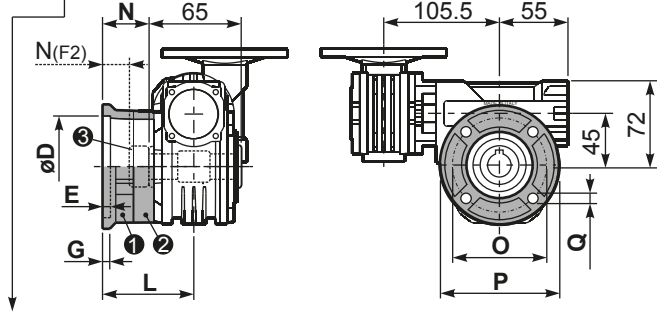


P453PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	72	81	3	100	52	98	121	144	ø10.5	K045.9.022
Tip S	71	84	8	100	70	90	120	143	ø8	KS045.9.023

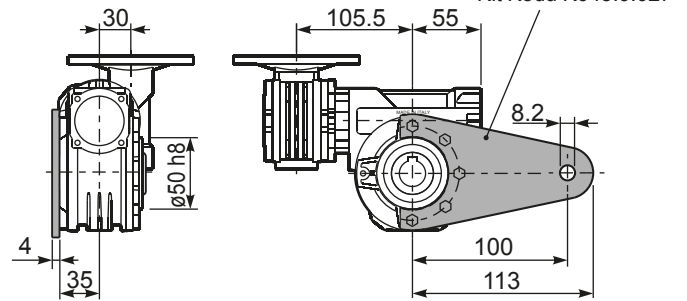
P453FC... Çıkış Flanşı
Output flange



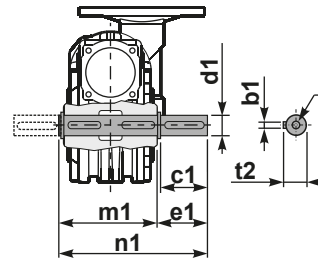
Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	60 ^{+0.15} / _{+0.05}	9	9	60.5	28	87	110	8.5	1 K045.9.010 2 -
FL	60 ^{+0.15} / _{+0.05}	9	9	90.5	58	87	110	8.5	1 K045.9.010 2 K045.0.200

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	95 ^{+0.20} / _{+0.15}	4	11	73.5	41	115	140	9	1 KS045.9.013 2 -
F2	60 ^{+0.15} / _{+0.05}	9	9	60.5	19	87	110	8.5	1 KS045.9.010 2 S045.0.204
F3	80 ^{+0.030} / ₀	3	8	51.5	19	100	120	9	1 KS045.9.014 2 -

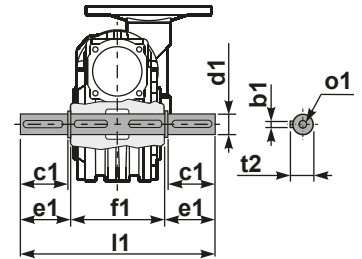
P453BR... Tork Kolu
Reaction arm



P453....S... Tek Çıkış Mili
Single Shaft



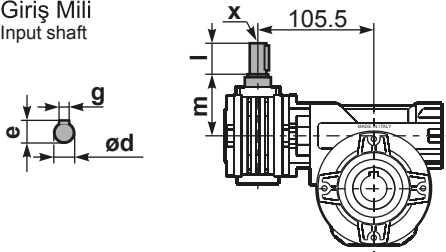
P453....D... Çift Çıkış Mili
Double Shaft



1 Kit Kodu K045.5.028 Tip B
Kit Kodu KS045.5.030 Tip S

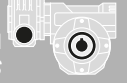
2 Kit Kodu K045.5.029 Tip B
Kit Kodu KS045.5.031 Tip S

R453FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	9 h6	10.2	3	20	58	-	1 K030.5.006 PAM63 2 -
Tip S	-	-	-	-	-	-	1 - 2 -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	6	32	18 ^{-0.005} / _{-0.020}	43	65	151	70	113	20.5	M6x18
Tip S	6	40	19 ^{-0.005} / _{-0.020}	58.5	65	182	70	128.5	21.5	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-O	-P			
							56	63	56	63			
5.6	252	0.12	97	1.1	0.14	109	B		B-C		47	2.1	01
3.9	360	0.12	124	0.9	0.11	109	B		B-C		42	2.1	02
2.6	540	0.12*	109	<0.8	0.08	109	B		B-C		39	2.1	03
1.9	720	0.12*	109	<0.8	0.06	109	B		B-C		36	2.1	04
1.6	860	0.12*	109	<0.8	0.06	109	B		B-C		32	1.8	05
1.2	1200	0.12*	109	<0.8	0.05	109	B		B-C		27	1.3	06
1.0	1440	0.12*	109	<0.8	0.04	109	B		B-C		26	2.1	07
0.8	1720	0.12*	109	<0.8	0.04	109	B		B-C		25	1.8	08
0.6	2400	0.12*	104	<0.8	0.03	104	B		B-C		21	1.3	09

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

TR 503 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz.
Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır.
Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

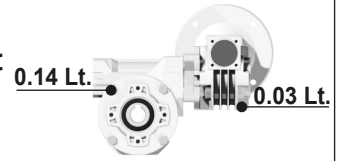
EN Unit 503 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us.
See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 0.14/0.03 lt

LUBRICATON

Oil Quantity 0.14/0.03 lt



AGIP Telium VSF 320

SHELL Omala S4 WE 320

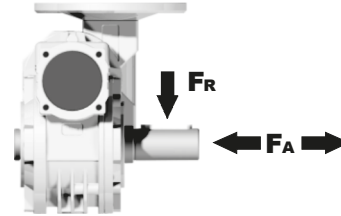
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

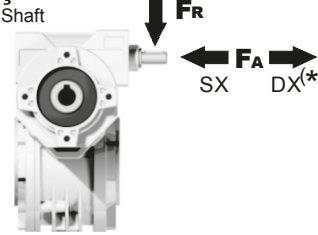
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
25	480	2500
15	560	2800

Giriş Mili

Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	20	100

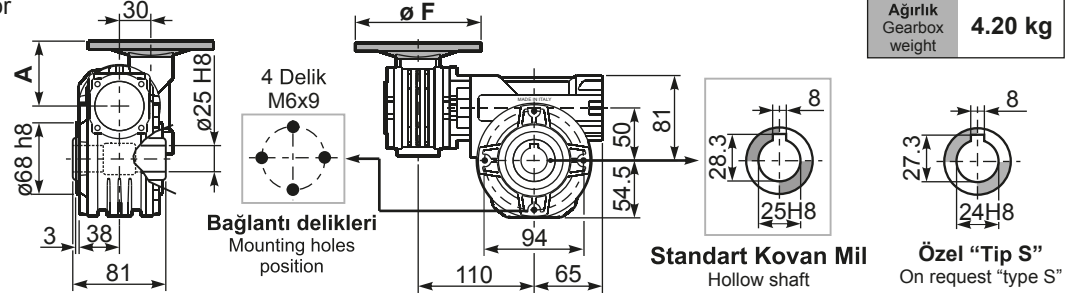
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P503**FB**... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **4.20 kg**

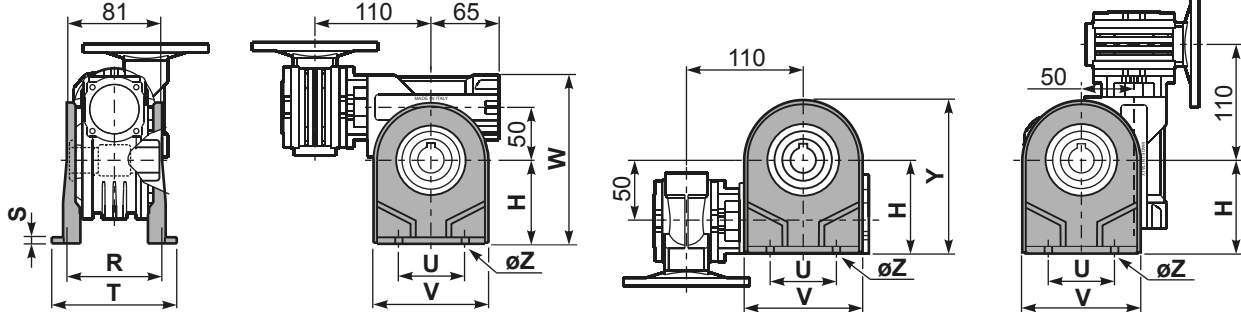
M. Flanşları	Kit Kodu	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5



P503**PA**... Ayak
Feet

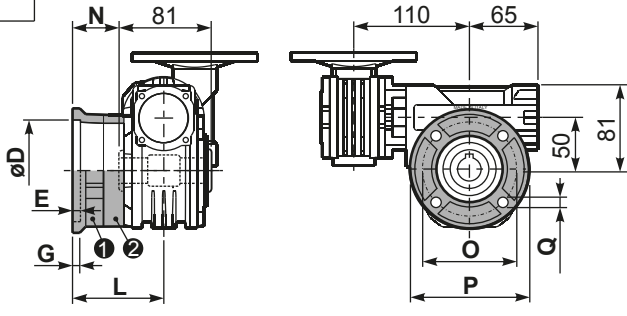
P503**PB**... Ayak
Feet

P503**PV**... Ayak
Feet

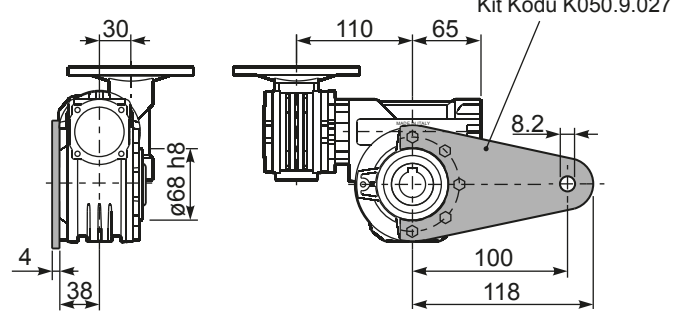


	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	82	98.5	3.5	123	63	113	138.5	163	ø10.5	K050.9.022
Tip S	85	96	10	114	85	110	139.5	166	ø10	KS050.9.023

P503**FC**... Çıkış Flanşı
Output flange



P503**BR**... Tork Kolu
Reaction arm

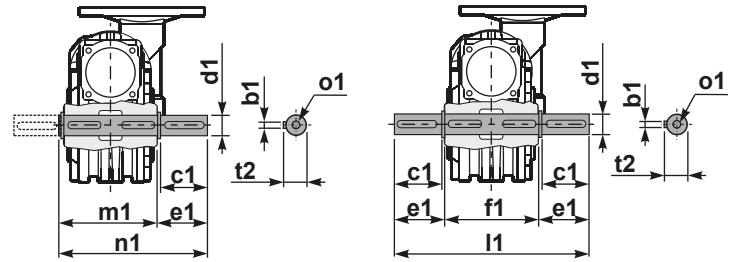


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	70 ^{+0.20} / _{+0.15}	9	12	85	44.5	90	123	10.5	① K050.9.010 ② -
FL	70 ^{+0.20} / _{+0.15}	9	12	114.5	74	90	123	10.5	① K050.9.010 ② K050.0.200

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	110 ^{+0.20} / _{+0.15}	4	11	83.5	43	130	160	10	① KS050.9.012 ② -
F2	70 ^{+0.20} / _{+0.15}	9	12	76.5	36	90	123	10.5	① KS050.9.014 ② -
F3	95 ^{+0.035} / ₀	4	10	66.5	26	115	140	10	① KS050.9.013 ② -

P503....**S**... Tek Çıkış Mili
Single Shaft

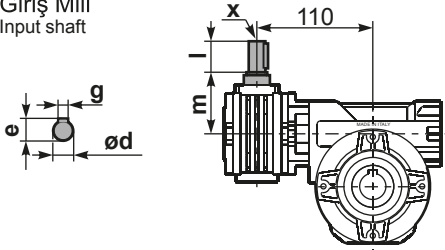
P503....**D**... Çift Çıkış Mili
Double Shaft



① Kit Kodu K050.5.028 Tip B
Kit Kodu KS050.5.030 Tip S

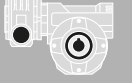
② Kit Kodu K050.5.029 Tip B
Kit Kodu KS050.5.031 Tip S

R503**FB**... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	9 h6	10.2	3	20	58	-	① K030.5.006 PAM63 ② -
Tip S	-	-	-	-	-	-	① - ② -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	52	25 ^{-0.005} / _{-0.020}	59.5	81	200	86.5	146	28	M8x20
Tip S	8	50	24 ^{-0.005} / _{-0.020}	68.5	81	218	86.5	155	27	M8x20



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları		Dinamik verim RD	Modül [mm]	Tahvil kodu
							-A	-B	-O	-P			
							56	63	56	63			
5.6	252	0.18	142	1.6	0.29	230	B		B-C		46	2.7	01
3.9	360	0.18	181	1.3	0.23	230	B		B-C		41	2.7	02
2.6	540	0.12	164	1.4	0.17	230	B		B-C		37	2.7	03
1.9	720	0.12	200	1.1	0.14	230	B		B-C		34	2.7	04
1.3	1080	0.12	265	0.9	0.10	230	B		B-C		30	2.7	05
1.0	1440	0.12*	230	<0.8	0.09	230	B		B-C		27	2.7	06
0.5	2745	0.12*	230	<0.8	0.05	230	B		B-C		23	2.1	07

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

TR 633 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

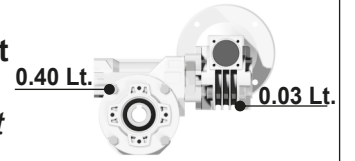
EN Unit 633 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 0.40/0.03 lt

LUBRICATON

Oil Quantity 0.40/0.03 lt



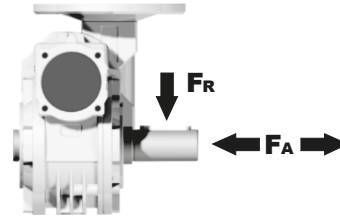
AGIP Telium VSF 320

SHELL Omala S4 WE 320

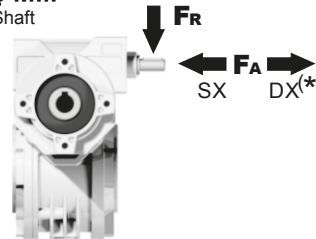
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n ₂ [d/d]	FA [N]	FR [N]
25	700	3800
15	800	4000

Giriş Mili
Input Shaft

n ₁ [d/d]	FA [N]	FR [N]
1400	20	100

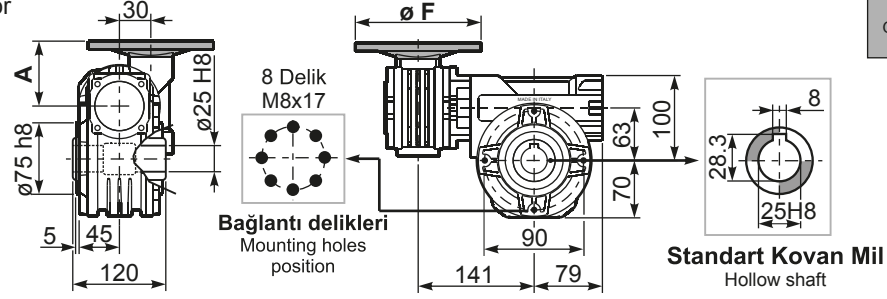
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P633FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **7.50 kg**

M. Flanşları	Kit Kodu	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5

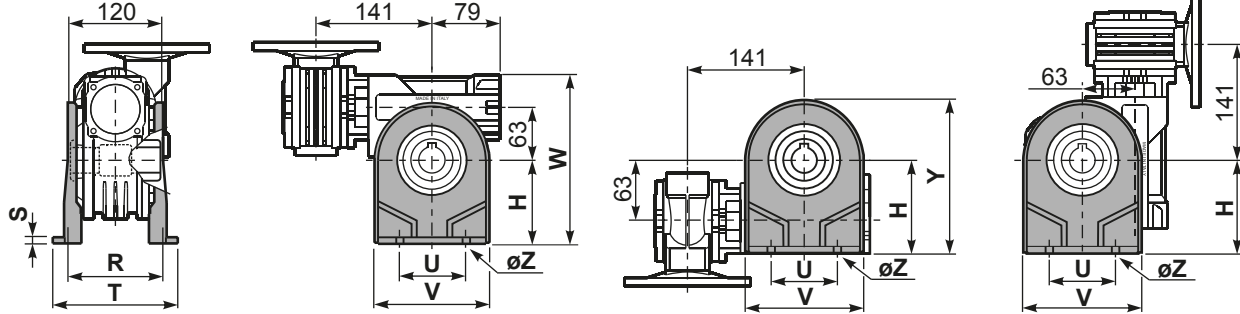


1

P633PA... Ayak
Feet

P633PB... Ayak
Feet

P633PV... Ayak
Feet

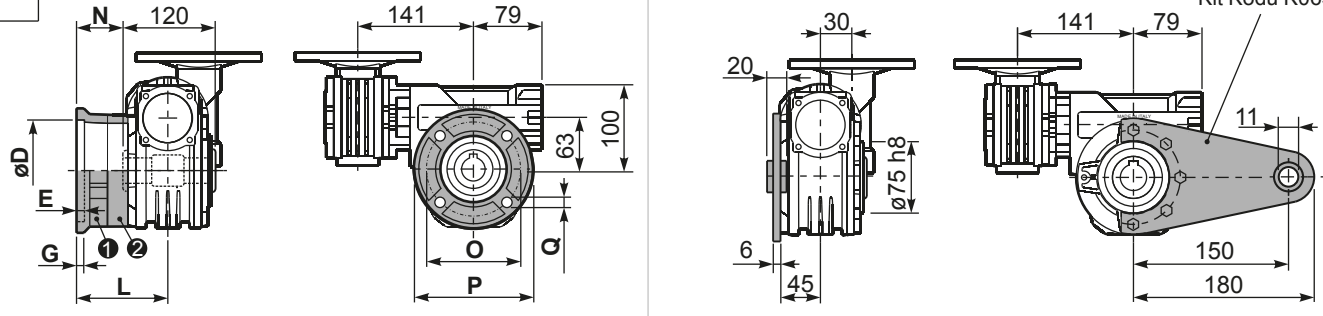


	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	100	111	4	144	95	133	170	200	ø10.5	K063.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

P633FC... Çıkış Flanşı
Output flange

P633BR... Tork Kolu
Reaction arm

Kit Kodu K063.9.027

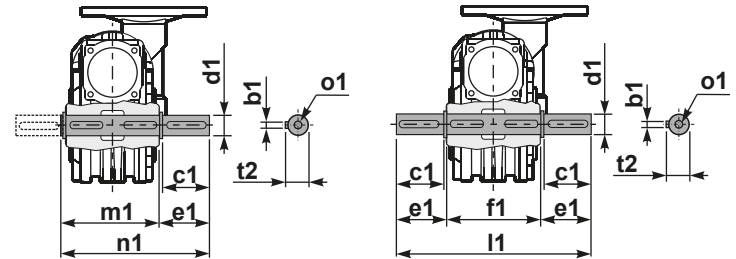


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 ^{+0.20} / _{+0.15}	7	13	86	26	150	175	11	① K063.9.010 ② -
FL	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① K063.9.010 ② K063.0.200

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.20} / _{+0.15}	7	13	102	42	165	200	13	① KS070.9.013 ② -
F2	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① KS063.9.013 ② -
F3	110 ^{+0.035} / ₀	5	11	82	22	130	160	10	① KS063.9.011 ② -

P633....S... Tek Çıkış Mili
Single Shaft

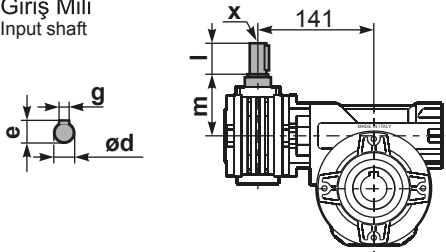
P633....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K063.5.028 Tip B

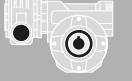
② Kit Kodu K063.5.029 Tip B

R633FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	9 h6	10.2	3	20	58	-	① K030.5.006 PAM63 ② -
Tip S	-	-	-	-	-	-	① - ② -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	60	25 ^{-0.005} / _{-0.020}	63.2	120	246.4	126.8	190	28	M8x20
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-O	-P	-Q			
							63	71	56	63	71			
5.6	252	0.25	198	1.3	0.33	265	B		B-C	B-C		46	2.7	01
3.9	360	0.18	186	1.4	0.26	265	B		B-C	B-C		42	2.7	02
2.8	504	0.18	241	1.1	0.20	265	B		B-C	B-C		39	2.7	03
1.9	756	0.12	204	1.3	0.16	265	B		B-C	B-C		33	2.7	04
1.4	1008	0.12	256	1.0	0.12	265	B		B-C	B-C		31	2.7	05
1.1	1332	0.12*	265	<0.8	0.10	265	B		B-C	B-C		30	2.7	06
0.8	1656	0.12*	265	<0.8	0.08	265	B		B-C	B-C		28	2.7	07
0.6	2160	0.12*	265	<0.8	0.07	265	B		B-C	B-C		26	2.7	08
0.6	2520	0.12*	265	<0.8	0.06	265	B		B-C	B-C		25	2.7	09

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

* Tablolarda verilen değerlerin üzerindeki motor güçleri için seçimleri M_{2R} değerini referans alarak yapınız.
Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}.

TR 634 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

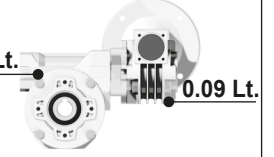
EN Unit 634 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 0.40/0.09 lt 0.40 Lt.

LUBRICATON

Oil Quantity 0.40/0.09 lt



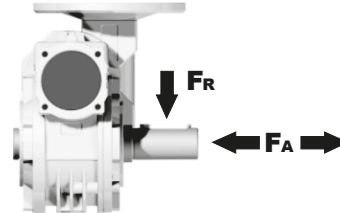
AGIP Telium VSF 320

SHELL Omala S4 WE 320

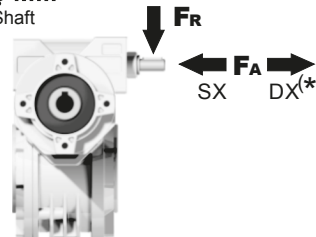
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n ₂ [d/d]	FA [N]	FR [N]
25	700	3800
15	800	4000

Giriş Mili
Input Shaft

n ₁ [d/d]	FA [N]	FR [N]
1400	42	210

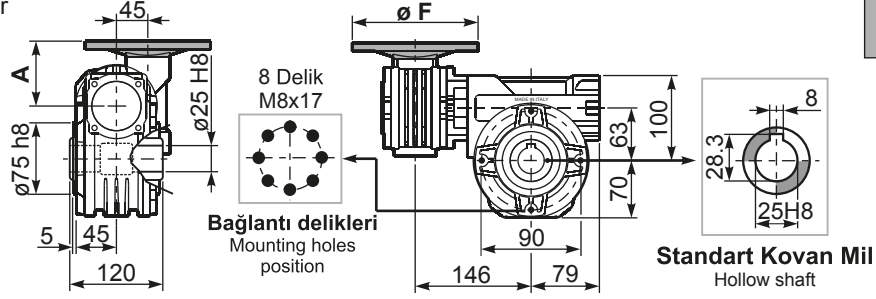
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

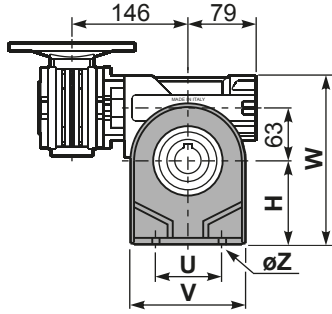
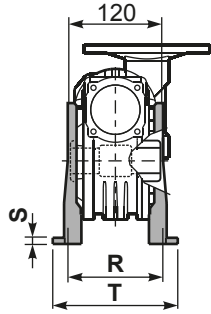
P634FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **8.90 kg**

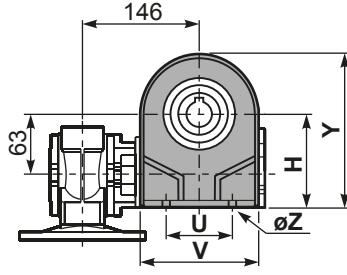
M. Flanşları	Kit Kodu	øF	A
63B5	K050.4.041	138	74
71B5	K050.4.042	160	71.5
56B14	KC40.4.049	80	71.5
63B14	K050.4.047	90	74
71B14	K050.4.045	105	71.5



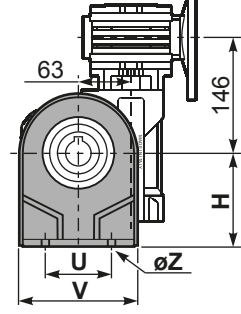
P634PA... Ayak
Feet



P634PB... Ayak
Feet

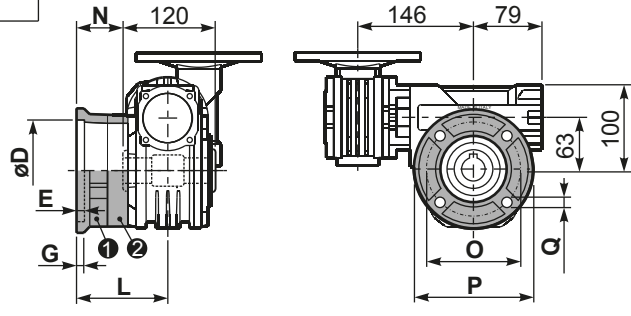


P634PV... Ayak
Feet



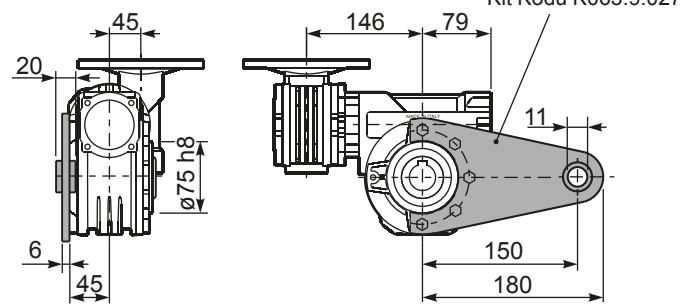
	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	100	111	4	144	95	133	170	200	ø10.5	K063.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

P634FC... Çıkış Flanşı
Output flange

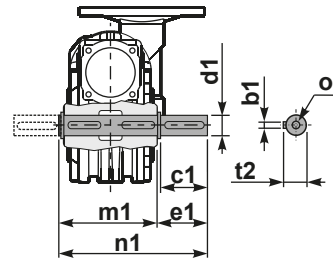


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 ^{+0.20} / _{+0.15}	7	13	86	26	150	175	11	① K063.9.010 ② -
FL	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① K063.9.010 ② K063.0.200
Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.20} / _{+0.15}	7	13	102	42	165	200	13	① KS070.9.013 ② -
F2	115 ^{+0.20} / _{+0.15}	7	13	116	56	150	175	11	① KS063.9.013 ② -
F3	110 ^{+0.035} / ₀	5	11	82	22	130	160	10	① KS063.9.011 ② -

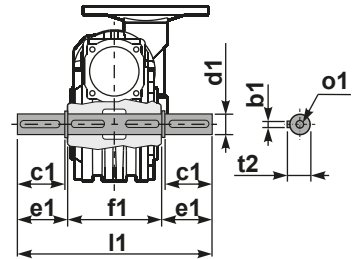
P634BR... Tork Kolu
Reaction arm



P634....S... Tek Çıkış Mili
Single Shaft



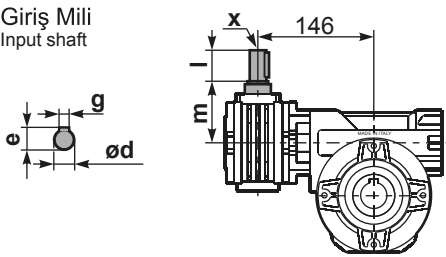
P634....D... Çift Çıkış Mili
Double Shaft



① Kit Kodu K063.5.028 Tip B

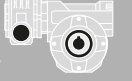
② Kit Kodu K063.5.029 Tip B

R634FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	11 h6	12.5	4	30	68	-	① K045.5.006 PAM71 ② -
Tip S	-	-	-	-	-	-	① - ② -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	8	60	25 ^{-0.005} / _{-0.020}	63.2	120	246.4	126.8	190	28	M8x20
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları		Uygun B14 motor flanşları			Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-O	-P	-Q			
							63	71	56	63	71			
10	140	0.37	205	1.8	0.66	368	B		B-C	B-C		58	4.5	01
7.1	196	0.37	257	1.4	0.53	368	B		B-C	B-C		52	4.7	02
5.0	280	0.37	332	1.6	0.58	518	B		B-C	B-C		47	4.7	03
3.6	392	0.37	435	1.2	0.44	518	B		B-C	B-C		44	4.7	04
2.4	588	0.25	371	1.4	0.35	518	B		B-C	B-C		37	4.7	05
1.8	784	0.25	455	1.1	0.28	518	B		B-C	B-C		34	4.7	06
1.4	1036	0.18	420	1.2	0.22	518	B		B-C	B-C		33	4.7	07
1.1	1288	0.18	474	1.1	0.20	518	B		B-C	B-C		30	4.7	08
0.7	1960	0.12	449	1.2	0.14	518	B		B-C	B-C		28	4.7	09
0.5	2856	0.12	584	0.9	0.11	518	B		B-C	B-C		25	4.7	10

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

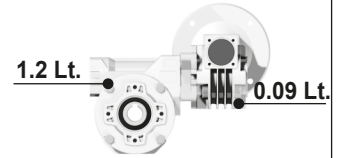
C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 854 gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz. Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit 854 is supplied with synthetic oil, providing "long life" lubrication. For mounting position V5-V6 please contact us. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

YAĞLAMA

Yağ Miktarı 1.2/0.09 lt
LUBRICATON
Oil Quantity 1.2/0.09 lt



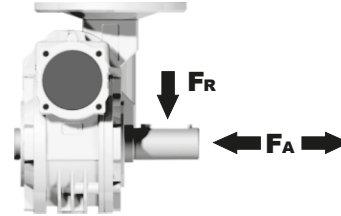
AGIP Telium VSF 320

SHELL Omala S4 WE 320

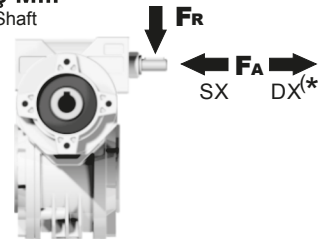
Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft

n ₂ [d/d]	FA [N]	FR [N]
25	1000	5000
15	1160	5800

Giriş Mili
Input Shaft

n ₁ [d/d]	FA [N]	FR [N]
1400	42	210

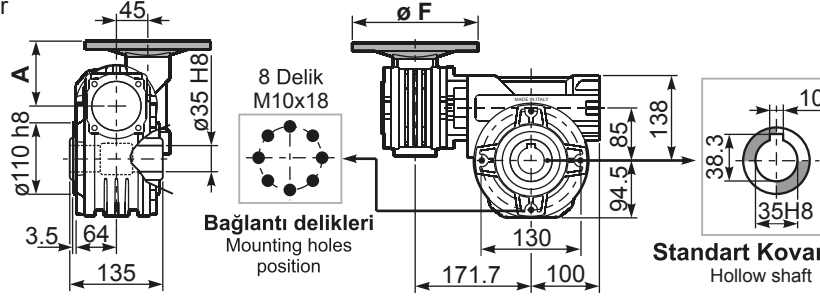
*DX yönünde eksenel yüke izin verilmez
Strong axial loads in the DX direction are not allowed.

Tablo 2

P854FB... Standart Redüktör
Basic wormbox

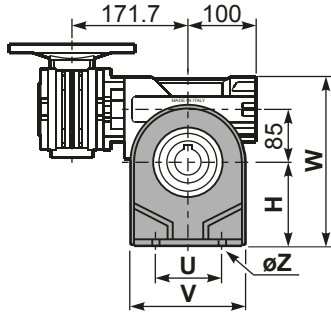
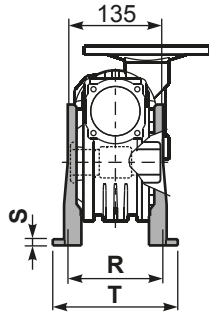
Ağırlık
Gearbox
weight **19.50 kg**

M. Flanşları	Kit Kodu	øF	A
63B5	K050.4.041	138	74
71B5	K050.4.042	160	71.5
56B14	KC40.4.049	80	71.5
63B14	K050.4.047	90	74
71B14	K050.4.045	105	71.5

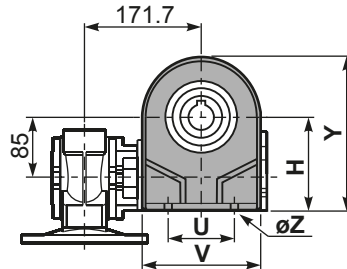


Standart Kovan Mil
Hollow shaft

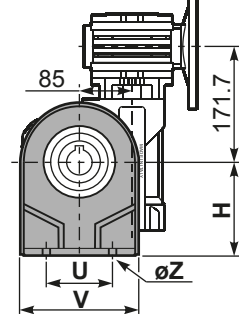
P854PA... Ayak
Feet



P854PB... Ayak
Feet

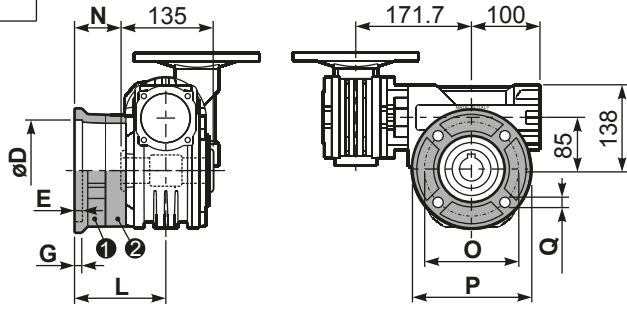


P854PV... Ayak
Feet



	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	142	145	5	182	140	180	236.5	280	ø10.5	K085.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

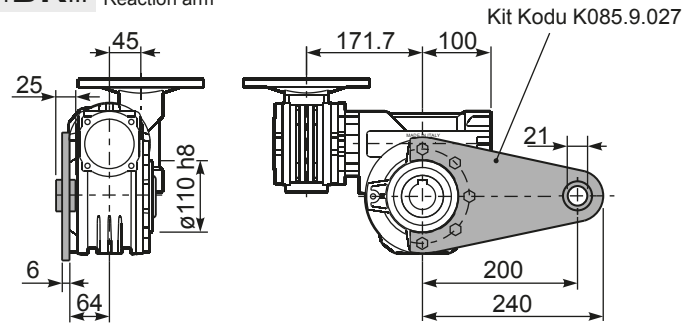
P854FC... Çıkış Flanşı
Output flange



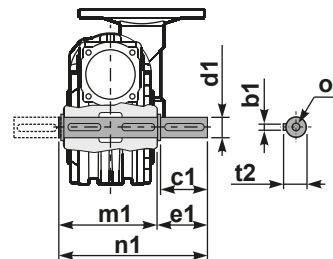
Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 ^{+0.06} / _{+0.00}	5	16	108	40.5	176	205	13	1 K085.9.010 2 -
FL	152 ^{+0.06} / _{+0.00}	5	16	148.5	81	176	205	13	1 K085.9.010 2 K085.0.201

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 ^{+0.040} / ₀	5	13	117.5	50	165	200	11.5	1 KS085.9.012 2 -
F2	152 ^{+0.06} / ₀	5	15	147.5	80	180	205	12.5	1 KS085.9.013 2 -
F4	130 ^{+0.040} / ₀	5	13	106.5	39	165	200	13	1 KS085.9.015 2 -

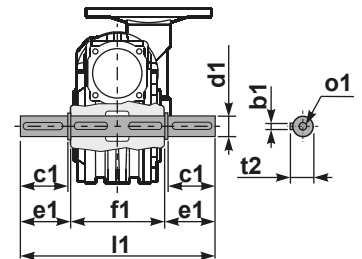
P854BR... Tork Kolu
Reaction arm



P854....S... Tek Çıkış Mili
Single Shaft



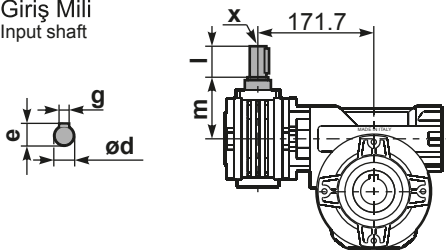
P854....D... Çift Çıkış Mili
Double Shaft



1 Kit Kodu K085.5.028 Tip B

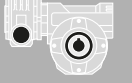
2 Kit Kodu K085.5.029 Tip B

R854FB... Giriş Mili
Input shaft



	ød	e	g	l	m	x	Kit Kodu
Tip B	11 h6	12.5	4	30	68	-	1 K045.5.006 PAM71 2 - 3 -
Tip S	-	-	-	-	-	-	1 - 2 - 3 -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	10	60	35 ^{-0.005} / _{-0.020}	73.5	135	282	141	214.5	38	M10x23
Tip S	-	-	-	-	-	-	-	-	-	-



HIZLI SEÇİM / Quick Selection

Giriş Devri (n₁) = 1400 d/d

Çıkış devri n ₂ [d/d]	Tahvil i	Motor gücü P _{1M} [kW]	Çıkış Momenti M _{2M} [Nm]	Servis Faktörü f.s.	Nominal güç P _{1R} [kW]	Nominal moment M _{2R} [Nm]	Uygun B5 motor Flanşları			Uygun B14 motor flanşları				Dinamik verim RD	Modül [mm]	Tahvil kodu
							-B	-C	-D	-O	-P	-Q	-R			
							63	71	80	56	63	71	80			
6.7	210	0.75	591	1.5	1.1	863	B	B			B-C	B		55	5.6	01
4.7	300	0.75	752	1.3	0.97	978	B	B			B-C	B		49	5.6	02
3.3	420	0.55	741	1.3	0.73	978	B	B			B-C	B		47	5.6	03
2.6	540	0.55	851	1.1	0.63	978	B	B			B-C	B		42	5.6	04
1.8	780	0.37	748	1.3	0.48	978	B	B			B-C	B		38	5.6	05
1.3	1080	0.37	1009	1.0	0.36	978	B			B-C	B-C			37	5.6	06
1.1	1290	0.25	770	1.3	0.32	978	B			B-C	B-C			35	5.6	07
0.8	1800	0.25	921	1.1	0.27	978	B			B-C	B-C			30	5.6	08
0.7	2040	0.18	751	1.3	0.23	978	B			B-C	B-C			30	5.6	09
0.6	2400	0.18	825	1.2	0.21	978	B			B-C	B-C			28	5.6	10
0.5	3000	0.18	958	1.0	0.18	978	B			B-C	B-C			26	5.6	11

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 115 gövde redüktörler yağsız olarak sevk edilir. Redüktör üzerinde havalandırma tapası, yağ göstergesi ve tahliye tapası mevcuttur. Mineral yağlar bu ekipmanlar ile birlikte kullanılır. Sentetik yağ kullanılmak istenirse bu ekipmanların körtapa ile değiştirilmesi önerilir. Tablo 1'de montaj pozisyonuna göre uygun yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

EN Unit 115 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a type that are closed. Gearbox 050 is supplied lubricated for life. See tab.1 for oils and recommended quantity. In tab.2 there are radial loads and axial loads applicable to the gearbox.

B3	B6	B7	B8	V5	V6
2.0/0.14 LT	1.35/0.14 LT	1.35/0.14 LT	2.0/0.14 LT	2.0/0.14 LT	2.0/0.14 LT
AGIP Blasia 460					

Daha fazla ayrıntı için internet sitemizi inceleyiniz.

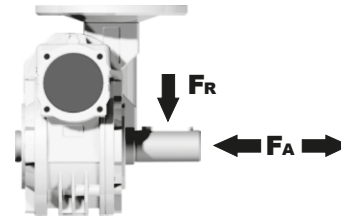
For all details on lubrication and plugs check our website

Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili

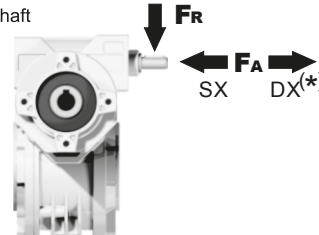
Output Shaft



n ₂ [d/d]	FA [N]	FR [N]
25	1200	6000
15	1400	7000

Giriş Mili

Input Shaft



n ₁ [d/d]	FA [N]	FR [N]
1400	76	380

*DX yönünde eksenel yüke izin verilmez

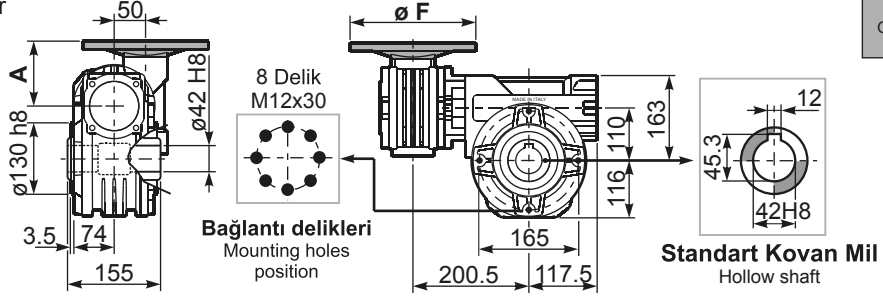
Strong axial loads in the DX direction are not allowed.

Tablo 2

P115FB... Standart Redüktör
Basic wormbox

Ağırlık
Gearbox
weight **38.00 kg**

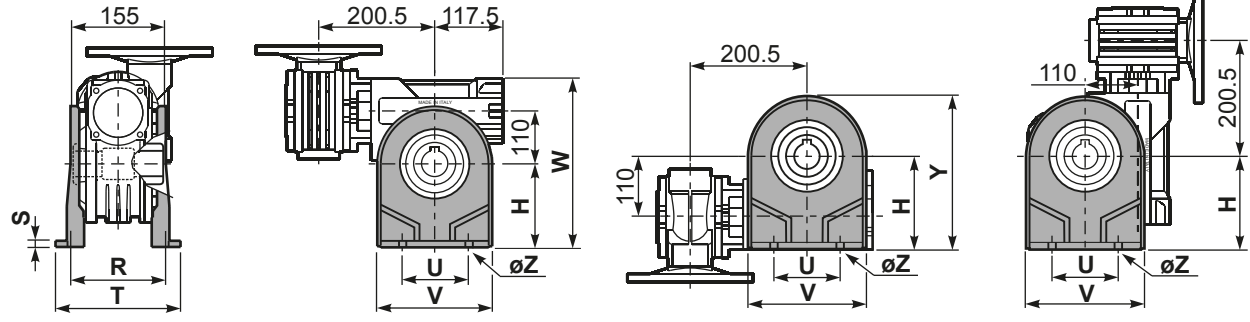
M. Flansları	Kit Kodu	øF	A
63B5	K050.4.041	138	78.5
71B5	K050.4.042	160	76
80B5	K050.4.043	200	76.5
56B14	KC40.4.049	80	76
63B14	K050.4.047	90	78.5
71B14	K050.4.045	105	76
80B14	K050.4.046	120	76.5



P115PA... Ayak
Feet

P115PB... Ayak
Feet

P115PV... Ayak
Feet

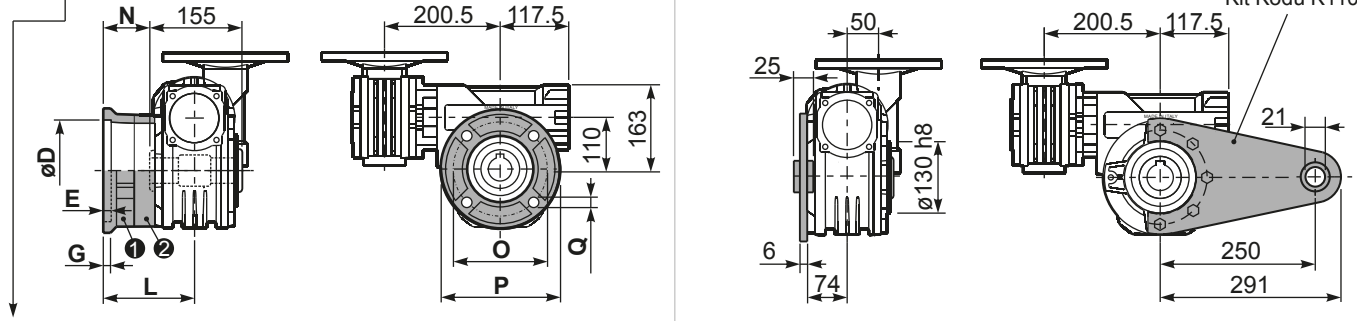


	H	R	S	T	U	V	Y	W	øZ	Kit Kodu
Tip B	170	180	22	224	200	240	286	333	ø13	K110.9.022
Tip S	-	-	-	-	-	-	-	-	-	-

P115FC... Çıkış Flanşı
Output flange

P115BR... Tork Kolu
Reaction arm

Kit Kodu K110.9.027

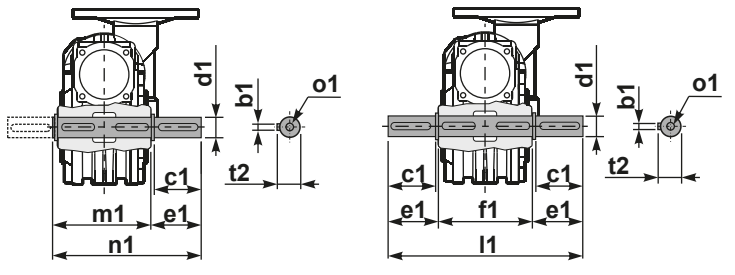


Tip B	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	170 ^{+0.083} / _{+0.043}	11	16.5	131.5	54	230	270	13	① K110.9.010 ② -
FL	170 ^{+0.083} / _{+0.043}	11	16.5	179.5	102	230	270	13	① K110.9.011 ② -

Tip S	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	180 ^{+0.040} / ₀	5	18	150	72.5	215	250	15	① KS110.9.014 ② -
F2	170 ^{+0.083} / _{+0.043}	9.5	15	178	100.5	230	270	13	① KS110.9.012 ② -
F3	180 ^{+0.040} / ₀	5	18	130	52.5	215	250	15	① KS110.9.013 ② -

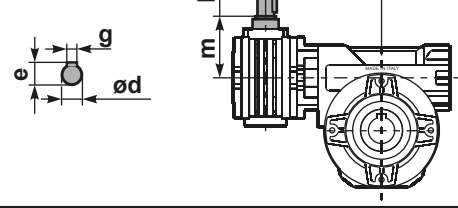
P115....S... Tek Çıkış Mili
Single Shaft

P115....D... Çift Çıkış Mili
Double Shaft



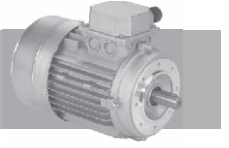
① Kit Kodu K110.5.028 Tip B ② Kit Kodu K110.5.029 Tip B

R115FB... Giriş Mili
Input shaft



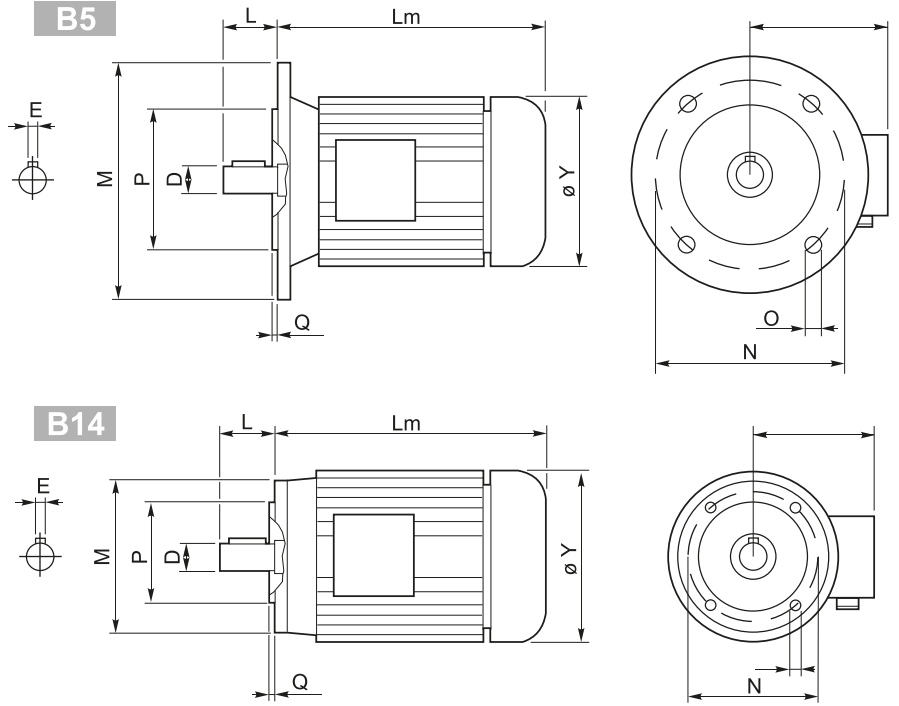
	ød	e	g	l	m	x	Kit Kodu
Tip B	16 h6	18	5	30	74.5	M6x16	① K050.5.006 PAM71 ② K050.5.007 PAM80
Tip S	14 h6	16	5	30	74.5	M5x10	① KS050.5.008 PAM71 ② KS050.5.009 PAM80

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Tip B	12	75	42 ^{-0.005} / _{-0.020}	96.5	155	348	163.5	260	45	M12x32
Tip S	-	-	-	-	-	-	-	-	-	-



- 1) 230/400V - 50Hz 3 fazlı asenkron indüksiyon motoru
- 2) F klas izolasyonu
- 3) S1
- 4) IP 55 koruma
- 5) Boyasız
- 6) Aktarım sırasında çıkış milini korumak için sert plastik kılıf

- 1) 230/400V - 50 Hz three-phase asynchronous induction motor
- 2) Class F insulation
- 3) S1 duty
- 4) IP 55 protection
- 5) Not painted
- 6) Hard plastic sleeve to protect output shaft during the transportation



Dış ölçüler ve ağırlık üretici firmaya bağlı olarak farklılık gösterebilir
Outside dimensions and weight may be different according to manufacturers

	2 poli / poles			4 poli / poles			6 poli / poles			B5-B14					B5					B14					Kg	
	kW	Nm	A (400V)	kW	Nm	A (400V)	kW	Nm	A (400V)	D (mm)	E (mm)	L (mm)	Lm (mm)	Y (mm)	AD (mm)	P (mm)	N (mm)	M (mm)	O (mm)	Q (mm)	P (mm)	N (mm)	M (mm)	O (mm)		Q (mm)
56 A	0.09	0.32	0.38	0.06	0.44	0.27	—	—	—	9	3	20	179	108	96	80	100	120	7	2.5	50	65	80	M5	2.5	2.7
56 B	0.12	0.42	0.46	0.09	0.67	0.37	—	—	—				2.9													
63 A	0.18	0.63	0.60	0.12	0.84	0.50	0.09	0.99	0.57	11	4	23	185	120	99	95	115	140	9.5	3	60	75	90	M5	2.5	3.8
63 B	0.25	0.87	0.76	0.18	1.30	0.69	0.12	1.32	0.74				4.2													
71 A	0.37	1.30	1.00	0.25	1.70	0.91	0.18	1.90	0.80	14	5	30	-	130	104	110	130	160	9.5	3.5	70	85	105	M6	2.5	5.9
71 B	0.55	1.90	1.54	0.37	2.52	1.14	0.25	2.72	1.10				6.5													
80 A	0.75	2.60	1.85	0.55	3.77	1.51	0.37	3.84	1.18	19	6	40	256	159	127	130	165	200	11.5	3.5	80	100	120	M6	3	8.5
80 B	1.1	3.90	2.64	0.75	5.11	2.57	0.55	5.84	1.80				10													
90 S	1.5	5.00	3.31	1.1	7.45	2.78	0.75	7.92	2.32	24	8	50	-	170	135	130	165	200	11.5	3.5	95	115	140	M8	3	12.5
90 L	2.2	7.50	4.46	1.5	10.2	3.61	1.1	11.6	3.45				15													
100 LA	3.0	10.0	6.28	2.2	14.8	5.07	1.5	15.4	3.88	28	8	60	-	190	148	180	215	250	13	4	110	130	160	M8	3.5	20
100 LB	—	—	—	3.0	20.1	6.66	—	—	—				22													
112 M	4.0	13.4	8.10	4.0	26.7	8.55	2.2	22.6	5.30				35													
132 S	5.5	18.3	11.2	5.5	36.5	11.4	3.0	30.2	7.20	38	10	80	375	244	180	230	265	300	14	4	130	165	200	M10	4	41
	7.5	24.9	15.3										51													
132 M	—	—	—	7.5	49.4	15.0	4.0	40.0	9.13				420													51
	—	—	—	9	61.4	18.5				51																
160 M	—	—	—	11	72	21.5	—	—	—	42	12	110	503	335	246	250	300	350	18	5	—	—	—	—	—	79.2
160 L	—	—	—	15	98	29	—	—	—				547													97.5
180 M	—	—	—	18.5	121	35.5	—	—	—	48	14	110	602	366	266	250	300	350	19	5	—	—	—	—	—	170
180 L	—	—	—	22	144	42	—	—	—																	
200 L	—	—	—	30	196	53	—	—	—	55	16	110	670	405	341	300	350	400	19	5	—	—	—	—	—	240
225 S	—	—	—	37	240	69	—	—	—	60	18	140	748	463	360	350	400	450	19	5	—	—	—	—	—	305
225 M	—	—	—	45	292	84	—	—	—				310													

DIĞER ÜRÜNLERİMİZ / OUR OTHER PRODUCT



Monoblok Parallel Milli Ağır Hizmet Redüktörleri
MonoBlock Parallel Shaft Heavy Duty Gearboxes

Tahvil Oranı
Ratio : 2,50-130

Nominal Moment
Rated Torque : 2700-80.000 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 60-180 mm

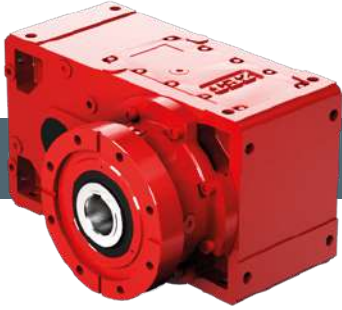


Monoblok Ağır Hizmet Tipi Konik Helisel Dişli Redüktörleri
MonoBlock Heavy Duty Type Bevel Helical Gearboxes

Tahvil Oranı
Ratio : 6,00-130

Nominal Moment
Rated Torque : 1750-73.000 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 60-180 mm

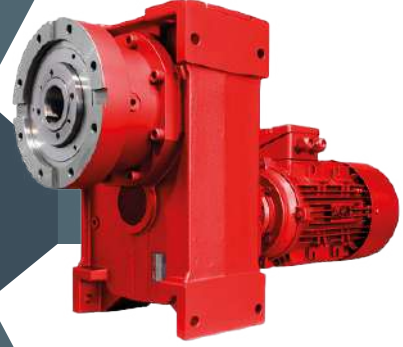


Monoblok Tek Vida Ekstruder Redüktörleri
MonoBlock Single Screw Extruder Gearboxes

Tahvil Oranı
Ratio : 6,30-25,0

Nominal Moment
Rated Torque : 3.400-70.000 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 55-160 mm



H Serisi Tek Vida Ekstruder Redüktörleri
H series Parallel Shaft Gearboxes

Tahvil Oranı
Ratio : 2,65-680

Nominal Moment
Rated Torque : 380-2100 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 35-40 mm

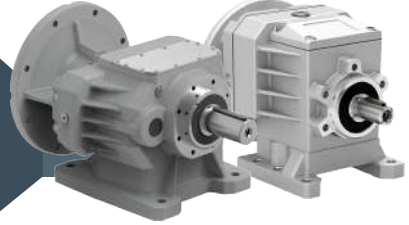


Sonsuz Vidalı Redüktörleri
Worm Gearboxes

Tahvil Oranı
Ratio : 5,00-4080

Nominal Moment
Rated Torque : 21-1550 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 14-50 mm

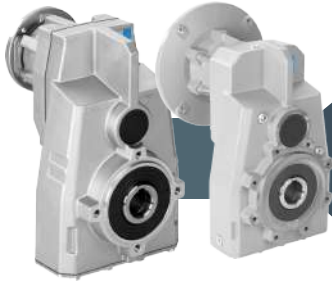


A-C Serisi Koaksiyel Redüktörleri
A-C Series Coaxial Gearboxes

Tahvil Oranı
Ratio : 1,30-480

Nominal Moment
Rated Torque : 20-4600 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 14-70 mm



FA-FC Serisi Şaft Montajlı Redüktörleri
FA-FC Series Shaft Mounted Gearboxes

Tahvil Oranı
Ratio : 2,65-680

Nominal Moment
Rated Torque : 2150-2100 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 30-50 mm



X serisi Konik Helisel Redüktörleri
X Series Helical Bevel Gearboxes

Tahvil Oranı
Ratio : 4,83-821

Nominal Moment
Rated Torque : 50-4600 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 20-70 mm



H Serisi Paralel Milli Redüktörleri
H series Parallel Shaft Single Screw Extruder Gearboxes

Tahvil Oranı
Ratio : 2,65-680

Nominal Moment
Rated Torque : 380-2100 Nm

Çıkış Mili Çapı
Output Shaft Diameter : 35-55 mm

ZET

R e d ü k t ö r

ZET Redüktör Sanayi ve Ticaret A.Ş.

İSTANBUL MERKEZ OFİS / HEAD OFFICE

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