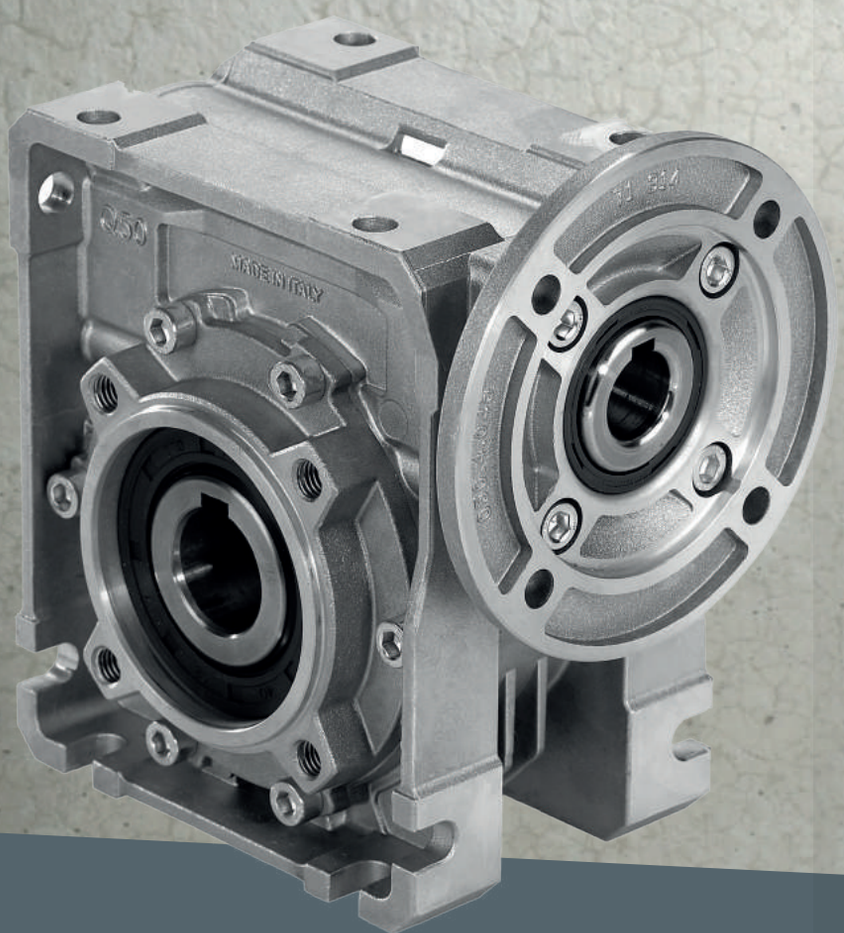
ZET Redüktör

60+ YIL YEARS ZET REDÜKTÖR



Q Serisi Kare Gövde Sonsuz Vidalı Redüktörler Ürün Kataloğu

Q Series Square Worm Gearboxes

02
2024

Kare Gövde Sonsuz Vidalı Redüktörler / Worm Gearboxes

Tek Parça Alüminyum Alaşımlı Gövde
MIL-STD 276 standardına göre üretilmiş gövde için herhangi bir ikincil yüzey işlemine 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 alaşımlı çelik giriş mili ve sonsuz vida çark dişlisi
Yüksek helis açılı sonsuz vida, ısıl işlem görmüş (58-60 HRC), silindirik ve profil taşlanmıştır.
Düşük ses seviyesi ve yüksek verim için çeşitli profil düzeltmeleri yapılmıştır.

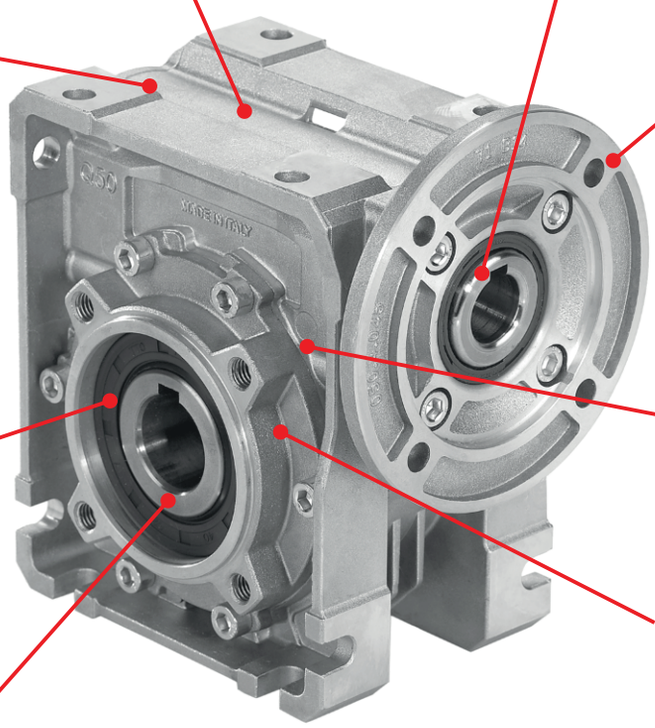
Single piece alloy steel input shaft and worm shaft.
High helix angle worm is case-hardened (Rc 58-60), ground, teeth are profiled and radiused, for noise reduction and enhanced efficiency.

Giriş Mili
Sonsuz vida milinde şok yüklere, 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.

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

Sonsuz Vida Çark Dişlisi
Santrüfüj döküm tekniği ile üretilmiş bronz alaşımlı 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.

Rulmanlar
Yüksek radyal ve eksenel yük taşıma kapasitesine sahip rulmanlar kullanılmıştır.

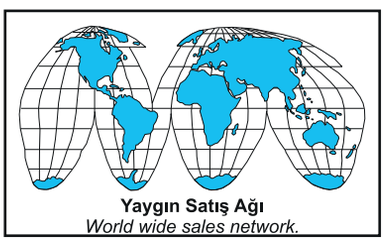
Oversize bearing
For radial load capability and maximum hollow output shaft diameter.

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.

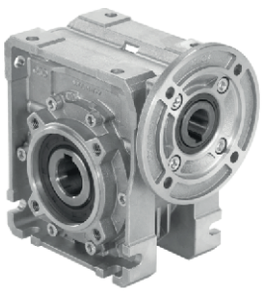
Yağlama
Redüktörler montaj sonrası -15, +130 derece sıcaklığa dayanıklı sentetik yağlar ile yağlanmaktadır. Havalandırma Tapası kullanımına gerek yoktur.

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



Yaygın Satış Ağı
World wide sales network.

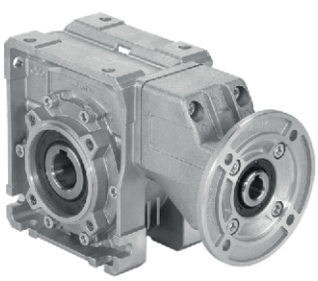
Kare Gövde Sonsuz Vidalı Redüktörler / Worm Gearboxes



Tip / Types ⇨

Sayfa / On page

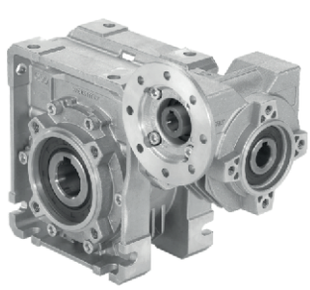
8	10	12	14
Q63	**Q75**	**Q85**	**Q11**
147Nm	270Nm	347Nm	651Nm



Tip / Types ⇨

Sayfa / On page

16	18	20	22
P6Q	**P7Q**	**P8Q**	**P1Q**
187Nm	310Nm	440Nm	803Nm



Tip / Types ⇨

Sayfa / On page

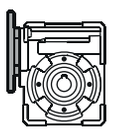
24	26	28	30	32
63Q	**64Q**	**74Q**	**84Q**	**15Q**
230Nm	265Nm	359Nm	518Nm	978Nm

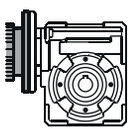
NASIL SİPARİŞ EDİLİR / HOW TO ORDER

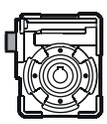
Tip / Type	**Gövde Büyüklüğü** / Size	**Montaj Şekli** / Mounting
P	**Q45**	**FC**

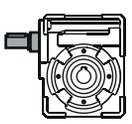
2

Sonsuz Vidalı Redüktörler
Worm gearboxes

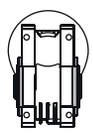

P

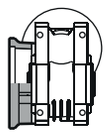

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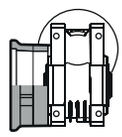

B


R

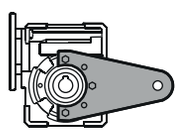
Q63
Q75
Q85
Q11


FB

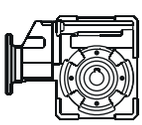

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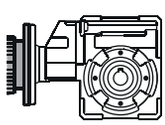

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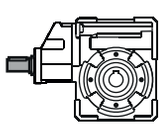
F1
F2
F3
F4


BR

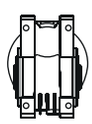
Yavru dişli sonsuz vidalı redüktörler
Worm gearboxes with primary reduction

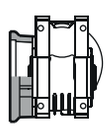

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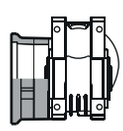

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R

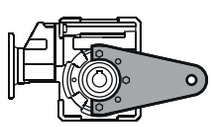
P6Q
P7Q
P8Q
P1Q


FB

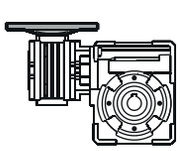

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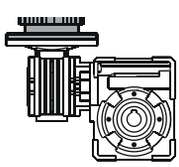

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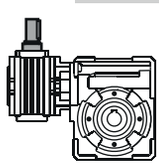
F1
F2
F3
F4


BR

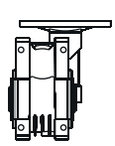
Çift sonsuz vidalı redüktörler
Combined worm gearboxes

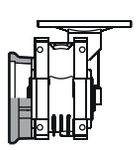

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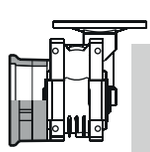

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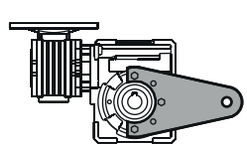
63Q
64Q
74Q
84Q
15Q


FB


FC


FL

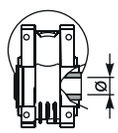
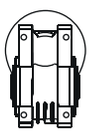
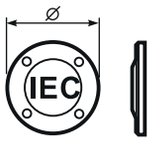
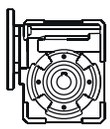
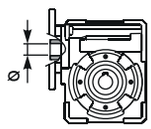
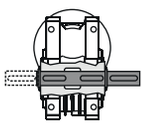
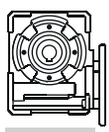
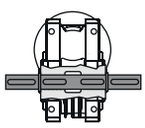
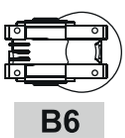
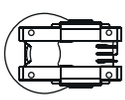
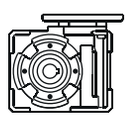
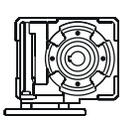
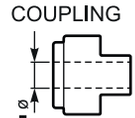
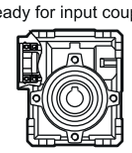
F1
F2
F3
F4


BR

TÜV NORD 0032 — Dossier according to 94/9/EG 8. b ii stored — Ex

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** Mountin position
10	**C**	**Ø**	**-Q**	**B**	**B3**	**-**	**---**
Ölçü tablolarına bakınız See technical data table	 **C** STANDART Q63 ⇨ ø25 Q75 ⇨ ø30 Q85 ⇨ ø35 Q11 ⇨ ø42	 **Ø**	 **-M** **Flanşsız** without flange	 **A**	 **B3**	 **-** **Tanımlama yapılmamış ise** Nothing indication standard bore	**Yalnızca çift sonsuz vidalı redüktörler için. Ölçü sayfalarına bakınız.** Only for combined units See technical data table
		 **S**	B5 **-A**=56 (ø120) **-B**=63 (ø140) **-C**=71 (ø160) **-D**=80 (ø200) **-E**=90 (ø200) **-F**=100÷112 (ø250) **-G**=132 (ø300) **-H**=160 (ø350)	 **B** STANDART	 **B8**	**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	
	I **Paslanmaz çelik çıkış mili** Stainless steel hub	 **D**		 **C**	 **B6**		
					 **B7**		
	Özel seçenekler Special series		B14 **-O**=56 (ø80) **-P**=63 (ø90) **-Q**=71 (ø105) **-R**=80 (ø120) **-T**=90 (ø140) **-U**=100÷112 (ø160) **-V**=132 (ø200)	 **D**	 **V5**	**Q** **Delik mil çapı iki kademe düşürüldü ise** Input bore reduced two sizes **Örnek /** Ex. **Giriş Flanşı /** Input Flange 71 B14 Standard ø14 **Reduced ø9**	
	S Q45 ⇨ ø19 Q50 ⇨ ø24 **X** **Paslanmaz çelik çıkış mili** Stainless steel hub		**-0**=Tip R **-S**=Tip R S serisi		 **V6**	COUPLING  **A** = 9mm **B** = 11mm **C** = 14mm **D** = 19mm **E** = 24mm **F** = 28mm **0** Ready for input coupling 	

GEREKLİ FORMÜLLER / USEFUL FORMULAS

2

GEREKLİ GÜÇ / REQUIRED POWER

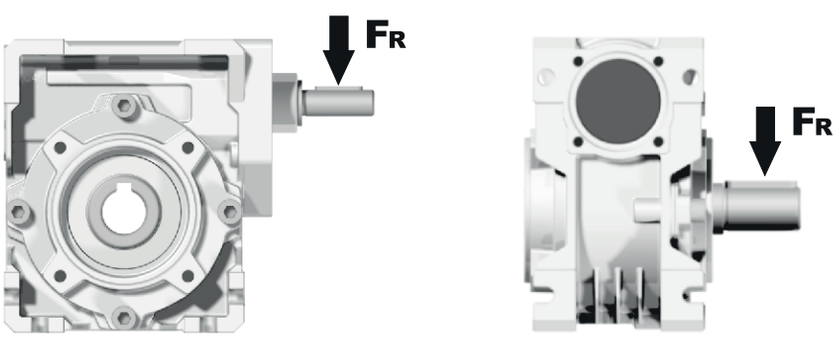
Kaldırma / Lifting	$\mathbf{P}\ [KW] = \frac{\mathbf{M}\ [Kg] \cdot \mathbf{g}\ [9.81] \cdot \mathbf{v}\ [m/s]}{\mathbf{1000}}$
Döndürme / Rotation	$\mathbf{P}\ [KW] = \frac{\mathbf{M}\ [Nm] \cdot \mathbf{n}\ [d/d]}{\mathbf{9550}}$
Doğrusal haraket / Linear movement	$\mathbf{P}\ [KW] = \frac{\mathbf{F}\ [N] \cdot \mathbf{v}\ [m/s]}{\mathbf{1000}}$

MOMENT / TORQUE

$$\mathbf{M}\ [Nm] = \frac{\mathbf{9550} \cdot \mathbf{P}[KW]}{\mathbf{n}\ [d/d]}$$

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.



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

M	Çıkış momenti / Output torque
d	Güç aktarım elemanı çapı / Diameter of driving element
$\mathbf{f_K}$	Düzelteme 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.

B Çıkış Devri / Output speed

Nominal Güç / Nominal power

Gövde Büyüklüğü / Gear size

Motor Gücü / Motor power

A Nominal Moment / Nominal torque

Flanş Kodu / Flange code

Dinamik Verim / Dynamic efficiency

Giriş Devri / Input speed

Q63

Kare Gövde
Sonsuz Vidalı Redüktörler
Square - Gear
147Nm

ZET Redüktör

PERFORMANS TABLOLARI-*ALÜMİNYUM*
RATING-ALUMINUM WORM GEARBOXES

▪ 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 -B 63	Uygun B5 motor flanşları -C 71	Uygun B14 motor flanşları -O 56	Uygun B14 motor flanşları -P 63	Uygun B14 motor flanşları -Q 71	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

C Tahvil Oranı / Ratio

Modül / Nominal module

Notlar / Notes

Çıkış Momenti / Transmitted torque

Servis Faktörü / Service factor

fs

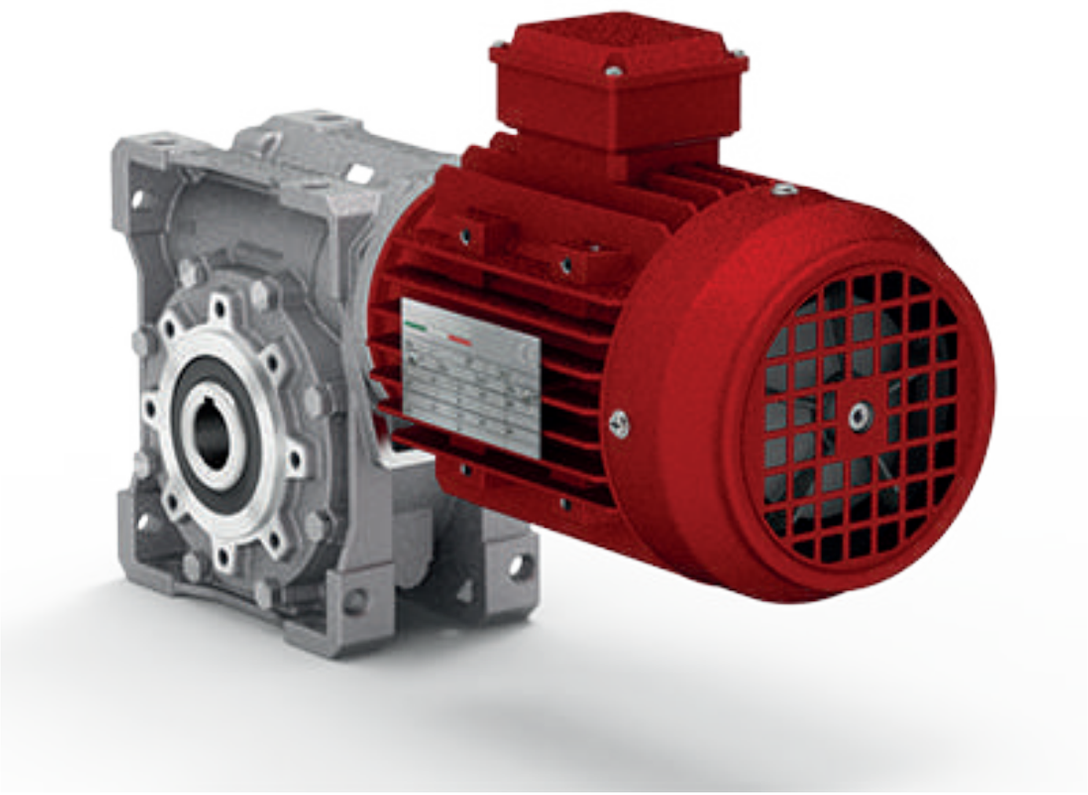
Yük Sınıfı ve Saatteki Dur-Kalk Sayısı / Type of load and starts per hour		Günlük Çalışma Süresi / Oper. hours per day <2 sa	2-8 sa	8-16sa
Sürekli yada Aralıklı Çalışmada Dur-Kalk Sayısı / Saat ≤ 10 / Application with start / stop	Düzgün Yükleme / Uniform	0.9	1	1.25
	Orta Darbeli Yükleme /Moderate	1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

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

GÜÇ VE DEVİR TABLOLARI



PERFORMANCE TABLES

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,12 kW	14,9	40	119	94	3			52	
	17,5	37	119	80	3,2			57	
	20,9	33	124	67	3,8	Q63	63-A4	60	8
	23,3	30	130	60	4,3			62	
	31,1	24	135	45	5,6			66	
0,18 kW	14,9	60	119	94	2			52	
	17,5	56	119	80	2,1			57	
	20,9	49	124	67	2,5	Q63	63-B4	60	8
	23,3	46	130	60	2,9			62	
	31,1	36	135	45	3,7			66	
0,25 kW	14,1	101	483	99	4,8			60	
	16,7	93	494	84	5,3	Q11	71-A4	65	14
	21,9	75	536	64	7,1			69	
	14,6	87	242	242	2,8			53	
	20,9	74	289	289	3,9			65	
	18,9	73	268	268	3,7	Q85	71-A4	58	12
	26,9	59	289	289	4,9			66	
	30,4	53	326	326	6,1			68	
	36,8	46	336	336	7,3			71	
	14,0	94	150	100	1,6			55	
	17,5	80	180	80	2,2			59	
	23,3	67	200	60	3			65	
	28,0	58	220	50	3,8	Q75	71-A4	68	10
	35,0	49	255	40	5,2			72	
	45,2	41	270	31	6,6			77	
	56,0	34	250	25	7,3			80	
	14,9	83	119	94	1,4			52	
	17,5	78	119	80	1,5			57	
	20,9	69	124	67	1,8			60	
	23,3	63	130	60	2,1			62	
	31,1	51	135	45	2,7			66	
	35,0	45	140	40	3,1	Q63	71-A4	66	8
	38,9	42	147	36	3,5			68	
	46,7	38	146	30	3,9			74	
	58,3	31	142	24	4,6			75	
	73,7	25	138	19	5,4			78	
	93,3	20	138	15	6,8			79	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	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	1,2			60	
	16,7	138	494	84	1,3	Q11	71-B4	65	14
	21,9	111	536	64	1,8			69	
	14,6	128	242	96	1,9			53	
	20,9	110	289	67	2,6			65	
	18,9	108	268	74	2,5	Q85	71-B4	58	12
	26,9	87	289	52	3,3			66	
	30,4	79	326	46	4,1			68	
	36,8	68	336	38	4,9			71	
	14,0	139	150	100	1,1			55	
	17,5	119	180	80	1,5			59	
	23,3	98	200	60	2			65	
	28,0	86	220	50	2,6	Q75	71-B4	68	10
	35,0	73	255	40	3,5			72	
	45,2	60	270	31	4,5			77	
	56,0	50	250	25	5			80	
	14,9	123	119	94	1			52	
	17,5	115	119	80	1			57	
	20,9	101	124	67	1,2			60	
	23,3	94	130	60	1,4			62	
	31,1	75	135	45	1,8			66	
	35,0	67	140	40	2,1	Q63	71-B4	66	8
	38,9	62	147	36	2,4			68	
	46,7	56	146	30	2,6			74	
	58,3	45	142	24	3,1			75	
	73,7	37	138	19	3,7			78	
	93,3	30	138	15	4,6			79	
	140	20	134	10	6,6			81	

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	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	2,2	Q11	80-A4	60	14
	16,7	205	494	84	2,4			65	
	21,9	166	536	64	3,2			69	
	26,4	139	620	53	4,5			70	
	31,1	123	599	45	4,9			73	
	36,8	107	641	38	6			75	
	46,7	86	651	30	7,6			76	
	60,9	69	515	23	7,5			80	
	14,6	191	242	96	1,3	Q85	80-A4	53	12
	20,9	163	289	67	1,8			65	
	18,9	161	268	74	1,7			58	
	26,9	129	289	52	2,2			66	
	30,4	117	326	46	2,8			68	
	36,8	101	336	38	3,3			71	
	50,0	79	347	28	4,4			75	
	63,6	64	294	22	4,6			78	
	70,0	59	294	20	5			79	
	100,0	41	305	14	7,4			78	
	17,5	177	180	80	1	Q75	80-A4	59	10
	23,3	146	200	60	1,4			65	
	28,0	128	220	50	1,7			68	
	35,0	108	255	40	2,4			72	
	45,2	90	270	31	3			77	
	56,0	75	250	25	3,3			80	
	70,0	62	250	20	4			83	
	93,3	48	250	15	5,2			85	
	140,0	33	230	10	7			88	
	20,9	151	124	67	0,8	Q63	80-A4	60	8
	23,3	140	130	60	0,9			62	
	31,1	111	135	45	1,2			66	
	35,0	99	140	40	1,4			66	
	38,9	92	147	36	1,6			68	
	46,7	83	146	30	1,8			74	
	58,3	68	142	24	2,1			75	
	73,7	56	138	19	2,5			78	
	93,3	44	138	15	3,1			79	
	140	30	134	10	4,4			81	
	200	22	125	7	5,7			83	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,75	14,1	304	483	99	1,6			60	
kW	16,7	279	494	84	1,8			65	
	21,9	226	536	64	2,4			69	
	26,4	190	620	53	3,3			70	
	31,1	168	599	45	3,6	Q11	80-B4	73	14
	36,8	146	641	38	4,4			75	
	46,7	117	651	30	5,6			76	
	60,9	94	515	23	5,5			80	
	70,0	84	546	20	6,5			82	
	87,5	67	536	16	8			82	
	14,6	260	242	96	0,9			53	
	20,9	223	289	67	1,3			65	
	18,9	220	268	74	1,2			58	
	26,9	176	289	52	1,6			66	
	30,4	160	326	46	2			68	
	36,8	138	336	38	2,4	Q85	80-B4	71	12
	50,0	107	347	28	3,2			75	
	63,6	88	294	22	3,3			78	
	70,0	81	294	20	3,6			79	
	100	56	305	14	5,5			78	
	140	41	284	10	6,9			80	
	23,3	200	200	60	1			65	
	28,0	174	220	50	1,3			68	
	35,0	147	255	40	1,7			72	
	45,2	122	270	31	2,2			77	
	56,0	102	250	25	2,4	Q75	80-B4	80	10
	70,0	85	250	20	2,9			83	
	93,3	65	250	15	3,8			85	
	140	45	230	10	5,1			88	
	200	32	190	7	5,9			90	
	31,1	152	135	45	0,9			66	
	35,0	135	140	40	1			66	
	38,9	125	147	36	1,2			68	
	46,7	114	146	30	1,3			74	
	58,3	92	142	24	1,5	Q63	80-B4	75	8
	73,7	76	138	19	1,8			78	
	93,3	61	138	15	2,3			79	
	140	41	134	10	3,2			81	
	200	30	125	7	4,2			83	

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
1,1	14,1	446	483	99	1,1			60	
kW	16,7	410	494	84	1,2			65	
	21,9	331	536	64	1,6			69	
	26,4	278	620	53	2,2			70	
	31,1	246	599	45	2,4	Q11	90-S4	73	14
	36,8	214	641	38	3			75	
	46,7	171	651	30	3,8			76	
	60,9	138	515	23	3,7			80	
	70,0	123	546	20	4,4			82	
	87,5	98	536	16	5,4			82	
	20,9	327	289	67	0,9			65	
	18,9	322	268	74	0,8			58	
	26,9	258	289	52	1,1			66	
	30,4	235	326	46	1,4			68	
	36,8	202	336	38	1,7			71	
	50,0	158	347	28	2,2	Q85	90-S4	75	12
	63,6	129	294	22	2,3			78	
	70,0	119	294	20	2,5			79	
	100	82	305	14	3,7			78	
	140	60	284	10	4,7			80	
	200	46	257	7	5,6			88	
	35,0	216	255	40	1,2			72	
	45,2	179	270	31	1,5			77	
	56,0	150	250	25	1,7			80	
	70,0	125	250	20	2	Q75	90-S4	83	10
	93,3	96	250	15	2,6			85	
	140	66	230	10	3,5			88	
	200	47	190	7	4			90	
	38,9	184	147	36	0,8			68	
	46,7	167	146	30	0,9			74	
	58,3	135	142	24	1			75	
	73,7	111	138	19	1,2	Q63	90-S4	78	8
	93,3	89	138	15	1,5			79	
	140	89	134	10	2,2			81	
	200	44	125	7	2,9			83	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
1,5	14,1	608	483	99	0,8			60	
kW	16,7	559	494	84	0,9			65	
	21,9	452	536	64	1,2			69	
	26,4	380	620	53	1,6			70	
	31,1	336	599	45	1,8			73	
	36,8	292	641	38	2,2	Q11	90-LA4	75	14
	46,7	233	651	30	2,8			76	
	60,9	188	515	23	2,7			80	
	70,0	168	546	20	3,3			82	
	87,5	134	536	16	4			82	
	140	88	525	10	6			86	
	200	63	483	7	7,7			88	
	26,9	351	289	52	0,8			66	
	30,4	320	326	46	1			68	
	36,8	276	336	38	1,2			71	
	50,0	215	347	28	1,6			75	
	63,6	176	294	22	1,7	Q85	90-LA4	78	12
	70,0	162	294	20	1,8			79	
	100	112	305	14	2,7			78	
	140	82	284	10	3,5			80	
	200	63	257	7	4,1			88	
	35,0	295	255	40	0,9			72	
	45,2	244	270	31	1,1			77	
	56,0	205	250	25	1,2			80	
	70,0	170	250	20	1,5	Q75	90-LA4	83	10
	93,3	130	250	15	1,9			85	
	140	90	230	10	2,6			88	
	200	64	190	7	2,9			90	
	58,3	184	142	24	0,8			75	
	73,7	152	138	19	0,9			78	
	93,3	121	138	15	1,1	Q63	90-LA4	79	8
	140	83	134	10	1,6			81	
	200	59	125	7	2,1			83	

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	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	1	Q11	90-LB4	69	14
	26,4	468	620	53	1,3			70	
	31,1	415	599	45	1,4			73	
	36,8	360	641	38	1,8			75	
	46,7	288	651	30	2,3			76	
	60,9	232	515	23	2,2			80	
	70,0	207	546	20	2,6			82	
	87,5	166	536	16	3,2			82	
	140	109	525	10	4,8			86	
	200	78	483	7	6,2			88	
	30,4	395	326	46	0,8	Q85	90-LB4	68	12
	36,8	340	336	38	1			71	
	50,0	265	347	28	1,3			75	
	63,6	217	294	22	1,4			78	
	70,0	199	294	20	1,5			79	
	100	138	305	14	2,2			78	
	140	101	284	10	2,8			80	
	200	78	257	7	3,3			88	
	45,2	301	270	31	0,9	Q75	90-LB4	77	10
	56,0	252	250	25	1			80	
	70,0	209	250	20	1,2			83	
	93,3	161	250	15	1,6			85	
	140	111	230	10	2,1			88	
	200	80	190	7	2,4			90	
	93,3	150	138	15	0,9	Q63	90-LB4	79	8
	140	102	134	10	1,3			81	
	200	73	125	7	1,7			83	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
2,2	26,4	557	2,5	53	1,1			70	
kW	31,1	493	2,7	45	1,2			73	
	36,8	428	3,3	38	1,5			75	
	46,7	342	4,2	30	1,9			76	
	60,9	276	4,1	23	1,9	Q11	100-LA4	80	14
	70,0	246	4,9	20	2,2			82	
	87,5	197	6	16	2,7			82	
	140	129	9	10	4,1			86	
	200	92	11,5	7	5,2			88	
	50,0	315	347	28	1,1			75	
	63,6	258	294	22	1,1			78	
	70,0	237	294	20	1,2			79	
	100	164	305	14	1,9	Q85	100-LA4	78	12
	140	120	284	10	2,4			80	
	200	92	257	7	2,8			88	
	70,0	249	250	20	1			83	
	93,3	191	250	15	1,3			85	
	140	132	230	10	1,7	Q75	100-LA4	88	10
	200	95	190	7	2			90	
3	26,4	759	620	53	0,8			70	
kW	31,1	672	599	45	0,9			73	
	36,8	583	641	38	1,1			75	
	46,7	467	651	30	1,4			76	
	60,9	377	515	23	1,4	Q11	100-LB4	80	14
	70,0	336	546	20	1,6			82	
	87,5	268	536	16	2			82	
	140	176	525	10	3			86	
	200	126	483	7	3,8			88	
	50,0	430	347	28	0,8			75	
	63,6	351	294	22	0,8			78	
	70,0	323	294	20	0,9			79	
	100	223	305	14	1,4	Q85	100-LB4	78	12
	140	164	284	10	1,7			80	
	200	126	257	7	2			88	
	93,3	261	250	15	1			85	
	140	180	230	10	1,3	Q75	100-LB4	88	10
	200	129	190	7	1,5			90	

MOTORLU GÜÇ DEVİR SAYFALARI

GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
4	36,8	778	641	38	0,8			75	
kW	46,7	622	651	30	1			76	
	60,9	502	515	23	1			80	
	70,0	447	546	20	1,2	Q11	112-M4	82	14
	87,5	358	536	16	1,5			82	
	140	235	525	10	2,2			86	
	200	168	483	7	2,9			88	
	100	298	305	14	1			78	
	140	218	284	10	1,3	Q85	112-M4	80	12
	200	168	257	7	1,5			88	
	140	240	230	10	1	Q75	112-M4	88	10
	200	172	190	7	1,1			90	
5	87,5	492	536	16	1,1			82	
kW	140	323	525	10	1,6	Q11	132-S4	86	14
	200	231	483	7	2,1			88	
7,5	87,5	671	536	16	0,8			82	
kW	140	440	525	10	1,2	Q11	132-MA4	86	14
	200	315	483	7	1,5			88	
9	140	528	525	10	1	Q11	132-MB4	86	14
kW	200	378	483	7	1,3			88	

ZET Redüktör

Q SERİSİ YAVRU DİŞLİ VİDALI REDÜKTÖRLER
/ Q SERIES WORM GEARBOXES WITH PRIMARY



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,12	2,24	301	528	624	1,8			59	
kW	2,65	277	550	529	2			64	
	3,47	224	594	403	2,6			68	
	4,19	189	660	334	3,5	P1Q	63-A4	69	22
	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	
	2,3	198	330	604,8	1,7			40	
	3,0	172	330	466,2	1,9			45	
	3,3	180	385	422,1	2,1			52	
	4,3	142	418	327,6	2,9	P8Q	63-A4	53	20
	5,8	104	418	240,2	4			53	
	6,6	104	407	212,5	3,9			60	
	8,0	91	440	175,5	4,9			63	
	3,70	133	296	378	2,2			43	
	5,05	107	296	277,2	2,8			47	
	6,06	93	296	231	3,2	P7Q	63-A4	49	18
	7,58	83	296	184,8	3,6			55	
	8,92	75	252	157	3,4			58	
	3,22	149	138	434,3	0,9			42	
	3,79	145	165	369,6	1,1			48	
	4,52	129	165	309,5	1,3	P6Q	63-A4	51	16
	6,73	100	165	207,9	1,6			59	
	8,42	83	187	166,3	2,3			61	
	10,1	76	187	138,6	2,5			67	

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MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,18	2,24	452	528	624	1,2			59	
kW	2,65	416	550	529	1,3			64	
	3,47	336	594	403	1,8			68	
	4,19	283	660	334	2,3	P1Q	63-B4	69	22
	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			74	
	2,31	297	330	604,8	1,1			40	
	3,00	258	330	466,2	1,3			45	
	3,32	270	385	422,1	1,4			52	
	4,27	213	418	327,6	2	P8Q	63-B4	53	20
	5,83	156	418	240,2	2,7			53	
	6,59	157	407	212,5	2,6			60	
	7,98	136	440	175,5	3,2			63	
	3,70	200	296	378	1,5			43	
	5,05	160	296	277,2	1,9			47	
	6,06	139	296	231	2,1	P7Q	63-B4	49	18
	7,58	125	296	184,8	2,4			55	
	8,92	112	252	157	2,3			58	
	3,79	218	165	369,6	0,8			48	
	4,52	194	165	309,5	0,9			51	
	6,73	151	165	207,9	1,1	P6Q	63-B4	59	16
	8,42	125	187	166,3	1,5			61	
	10,1	114	187	138,6	1,6			67	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,25	2,65	577	550	529	1			64	
kW	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	P1Q	71-A4	69	22
	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	100,5	5,1			68	
	16,8	98	660	83,2	6,7			69	
	2,31	413	330	2,31	0,8			40	
	3,00	358	330	3	0,9			45	
	3,32	374	385	3,32	1			52	
	4,27	296	418	4,27	1,4			53	
	5,83	217	418	5,83	1,9			53	
	6,59	217	407	6,59	1,9	P8Q	71-A4	60	20
	7,98	189	440	7,98	2,3			63	
	13,3	108	385	13,3	3,6			60	
	17,1	85	418	17,14	4,9			61	
	19,4	79	407	19,36	5,2			64	
	23,5	68	418	23,45	6,1			67	
	3,70	277	296	378	1,1			43	
	5,05	222	296	277,2	1,3			47	
	6,06	193	296	231	1,5			49	
	7,58	173	296	184,8	1,7			55	
	8,92	155	252	157	1,6	P7Q	71-A4	58	18
	11,2	135	296	125,6	2,2			63	
	14,9	111	310	94,2	2,8			69	
	17,8	98	286	78,5	2,9			73	
	22,3	83	286	62,9	3,5			77	
	6,73	209	165	207,9	0,8			59	
	8,42	173	187	166,3	1,1			61	
	10,1	158	187	138,6	1,2			67	
	12,5	134	187	110,8	1,4			71	
	16,0	109	187	87,8	1,7	P6Q	71-A4	73	16
	19,8	75	187	70,7	2,5			62	
	24,7	62	187	56,6	3			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	

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,37	3,47	692	594	403	0,9			68	
kW	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	P1Q	71-B4	72	22
	7,95	329	803	176	2,4			74	
	10,6	213	550	132	2,6			64	
	13,9	172	594	100,5	3,4			68	
	16,8	145	660	83,2	4,6			69	
	4,27	438	418	327,6	1			53	
	5,83	321	418	240,2	1,3			53	
	6,59	322	407	212,5	1,3			60	
	7,98	279	440	175,5	1,6	P8Q	71-B4	63	20
	13,3	159	385	105,3	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	
	5,05	329	296	277,2	0,9			47	
	6,06	286	296	231	1			49	
	7,58	257	296	184,8	1,2			55	
	8,92	230	252	157	1,1	P7Q	71-B4	58	18
	11,2	200	296	125,6	1,5			63	
	14,9	164	310	94,2	1,9			69	
	17,8	145	286	78,5	2			73	
	22,3	122	286	62,9	2,3			77	
	10,1	234	187	138,6	0,8			67	
	12,5	199	187	110,8	0,9			71	
	16,0	162	187	87,8	1,2			73	
	19,8	111	187	70,7	1,7	P6Q	71-B4	62	16
	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	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,55	4,19	865	660	334	0,8			69	
kW	4,73	755	594	296	0,8			68	
	5,71	634	660	245	1			69	
	6,73	562	660	208	1,2	P1Q	80-A4	72	22
	7,95	489	803	176	1,6			74	
	10,6	317	550	132	1,7			64	
	13,9	256	594	100,5	2,3			68	
	16,8	215	660	83,2	3,1			69	
	5,83	478	418	240,2	0,9			53	
	6,59	478	407	212,5	0,9			60	
	7,98	415	440	175,5	1,1			63	
	13,3	237	385	105,3	1,6	P8Q	80-A4	60	20
	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	
	7,58	184,8	296	184,8	0,8			55	
	11,2	125,6	296	125,6	1			63	
	14,9	94,2	310	94,2	1,3	P7Q	80-A4	69	18
	17,8	78,5	286	78,5	1,3			73	
	22,3	62,9	286	62,9	1,6			77	
	16,0	240	187	87,8	0,8			73	
	19,8	164	187	70,7	1,1			62	
	24,7	136	187	56,6	1,4	P6Q	80-A4	64	16
	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			74	

MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,75	5,71	865	660	245	0,8	P1Q	80-B4	69	22
kW	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	100,5	1,7			68	
	16,8	294	660	83,2	2,2			69	
	7,98	566	440	175,5	0,8	P8Q	80-B4	63	20
	13,3	323	385	105,3	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	
	14,9	333	310	94,2	0,9	P7Q	80-B4	69	18
	17,8	293	286	78,5	1			73	
	22,3	248	286	62,9	1,2			77	
	19,8	224	187	70,7	0,8	P6Q	80-B4	62	16
	24,7	185	187	56,6	1			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	
1,1	10,6	634	550	132	0,9	P1Q	90-S4	64	22
kW	13,9	513	594	100,5	1,2			68	
	16,8	431	660	83,2	1,5			69	
	13,3	474	385	105,3	0,8	P8Q	90-S4	60	20
	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			67	
	22,3	363	286	62,9	0,8	P7Q	90-S4	77	18
	29,7	247	187	47,1	0,8	P6Q	90-S4	70	16
	37,1	207	165	37,7	0,8			73	
	46,8	166	165	29,9	1			74	
1,5	13,9	699	594	100,5	0,8	P1Q	90-LA4	68	22
kW	16,8	587	660	83,2	1,1			69	
	17,1	510	418	81,7	0,8	P8Q	90-LA4	61	20
	19,4	473	407	72,3	0,9			64	
	23,5	409	418	59,7	1			67	
1,85	16,8	724	660	83,2	0,9	P1Q	90-LB4	69	22
kW	23,5	505	418	59,7	0,8	P8Q	90-LB4	67	20



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	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	15Q	56-A4	26	32
	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	
	1,30	164	978	1080	6			37	
	0,49	292	518	2856	1,8	84Q	56-A4	25	30
	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	
	0,34	250	359	4080	1,4	74Q	56-A4	15	28
	0,50	298	359	2800	1,2			26	
	0,58	275	359	2400	1,3			28	
	0,76	249	359	1840	1,4			33	
	0,95	224	359	1480	1,6			37	
	1,25	170	359	1120	2,1			37	
	1,67	141	359	840	2,5			41	
	2,50	101	359	560	3,6			44	
	3,50	75	359	400	4,8			46	
	5,00	65	359	280	5,5			57	
	1,39	128	265	1008	2,1	64Q	56-A4	31	26
	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	
	1,30	133	230	1080	1,7	63Q	56-A4	30	24
	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	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,09	0,47	479	978	3000	2			26	
kW	0,58	413	978	2400	2,4			28	
	0,69	376	978	2040	2,6	15Q	56-B4	30	32
	0,78	332	978	1800	2,9			30	
	1,09	277	978	1290	3,5			35	
	1,30	245	978	1080	4			37	
	0,49	438	518	2856	1,2			25	
	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	84Q	56-B4	34	30
	2,38	134	518	588	3,9			37	
	3,57	106	518	392	4,9			44	
	5,00	81	518	280	6,4			47	
	7,14	63	368	196	5,9			52	
	10,0	50	368	140	7,4			58	
	0,34	376	359	4080	1			15	
	0,50	447	359	2800	0,8			26	
	0,58	413	359	2400	0,9			28	
	0,76	373	359	1840	1			33	
	0,95	336	359	1480	1,1	74Q	56-B4	37	28
	1,25	254	359	1120	1,4			37	
	1,67	211	359	840	1,7			41	
	2,50	151	359	560	2,4			44	
	3,50	113	359	400	3,2			46	
	5,00	98	359	280	3,7			57	
	1,39	192	265	1008	1,4			31	
	1,85	153	265	756	1,7			33	
	2,78	121	265	504	2,2	64Q	56-B4	39	26
	3,89	93	265	360	2,8			42	
	5,56	71	265	252	3,7			46	
	1,30	199	230	1080	1,2			30	
	1,94	150	230	720	1,5			34	
	2,59	123	230	540	1,9	63Q	56-B4	37	24
	3,89	91	230	360	2,5			41	
	5,56	71	230	252	3,2			46	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,12	0,47	638	978	3000	1,5			26	
kW	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	15Q	63-A4	35	32
	1,30	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			25	
	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	84Q	63-A4	37	30
	3,57	141	518	392	3,7			44	
	5,00	108	518	280	4,8			47	
	7,14	83	368	196	4,4			52	
	10,0	66	368	140	5,5			58	
	0,95	448	359	1480	0,8			37	
	1,25	339	359	1120	1,1			37	
	1,67	282	359	840	1,3			41	
	2,50	202	359	560	1,8	74Q	63-A4	44	28
	3,50	151	359	400	2,4			46	
	5,00	131	359	280	2,7			57	
	0,56	265	265	2520	0,8			265	
	0,65	265	265	2160	0,8			265	
	0,85	265	265	1656	0,8			265	
	1,05	265	265	1332	0,8			265	
	1,39	256	265	1008	1	64Q	63-A4	265	26
	1,85	204	265	756	1,3			265	
	2,78	161	265	504	1,6			265	
	3,89	124	265	360	2,1			265	
	5,56	95	265	252	2,8			265	
	0,51	230	230	2745	0,8			23	
	0,97	230	230	1440	0,8			27	
	1,30	265	230	1080	0,9			30	
	1,94	200	230	720	1,1	63Q	63-A4	34	24
	2,59	164	230	540	1,4			37	
	3,89	121	230	360	1,9			41	
	5,56	95	230	252	2,4			46	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,18	0,47	958	978	3000	1			26	
kW	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	
	1,30	491	978	1080	2	15Q	63-B4	37	32
	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			28	
	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	84Q	63-B4	37	30
	3,57	212	518	392	2,4			44	
	5,00	162	518	280	3,2			47	
	7,14	125	368	196	2,9			52	
	10,0	100	368	140	3,7			58	
	1,67	423	359	840	0,8			41	
	2,50	303	359	560	1,2	74Q	63-B4	44	28
	3,50	226	359	400	1,6			46	
	5,00	196	359	280	1,8			57	
	1,85	306	265	756	0,9			33	
	2,78	241	265	504	1,1	64Q	63-B4	39	26
	3,89	186	265	360	1,4			42	
	5,56	142	265	252	1,9			46	
	1,94	301	230	720	1,94			34	
	2,59	245	230	540	2,59	63Q	63-B4	37	24
	3,89	181	230	360	3,89			41	
	5,56	142	230	252	5,56			46	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	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	15Q	71-A4	28	32
	0,69	1044	978	2040	0,9			30	
	0,78	921	978	1800	1,1			30	
	1,09	770	978	1290	1,3			35	
	1,30	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	84Q	71-A4	30	30
	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	
	5,00	224	518	280	2,3			47	
	7,14	174	368	196	2,1			52	
	10,0	138	368	140	2,7			58	
	2,50	420	359	560	0,9	74Q	71-A4	44	28
	3,50	314	359	400	1,1			46	
	5,00	272	359	280	1,3			57	
	2,78	335	265	504	0,8	64Q	71-A4	39	26
	3,89	258	265	360	1			42	
	5,56	198	265	252	1,3			46	



MOTORLU GÜÇ DEVİR SAYFALARI
GRARED MOTORS PERFORMANCE TABLES

Güç power [kW]	Çıkış Devri Output Speed n_2 [r.p.m]	Çıkış Momenti Output Torque m_2 [Nm]	Nominal Moment Nominal Torque m_{2R}	Tahvil Ratio i	Servis Faktörü Service factor f_s	Redüktör Gearbox	Motor Motors	Verim Dynamic efficiency RD	Ölçü Sayfası Dim Page
0,37 kW	1,09	1140	978	1290	0,9	15Q	71-B4	35	32
	1,30	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	84Q	71-B4	34	30
	2,38	549	518	588	0,9			37	
	3,57	435	518	392	1,2			44	
	5,00	332	518	280	1,6			47	
	7,14	257	368	196	1,4			52	
	10,0	205	368	140	1,8			58	
	3,50	464	359	400	0,8	74Q	71-B4	46	28
	5,00	403	359	280	0,9			57	
	5,56	293	265	252	0,9	64Q	71-B4	46	26
0,55 kW	1,79	1112	978	780	0,9	15Q	80-A4	38	32
	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	15Q	80-A4	42	32
	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 (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 -B 63	-C 71	-D 80	-E 90	Uygun B14 motor flanşları -Q 71	-R 80	-T 90	Dinamik verim RD	Modül [mm]	Tahvil kodu
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 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 **Q63** 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 **Q63** 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 Q63 Yağ Miktarı 0.30 Lt.
LUBRICATION Q63 Oil Quantity 0.30 Lt.

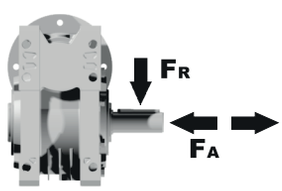
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

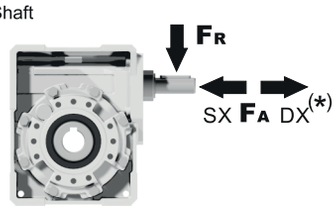
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

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



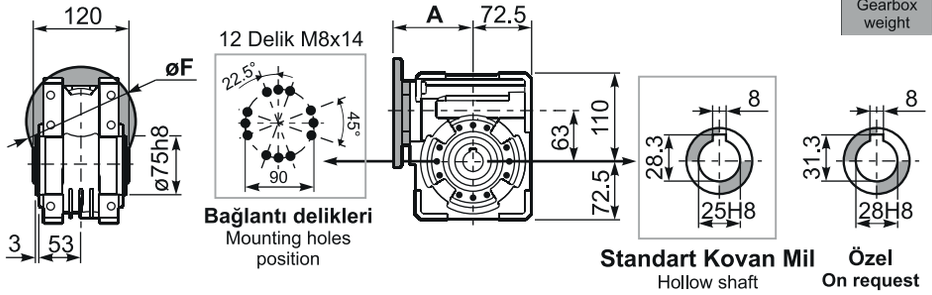
n_1 [d/d]	FA [N]	FR [N]
1400	90	450

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

Tablo 2

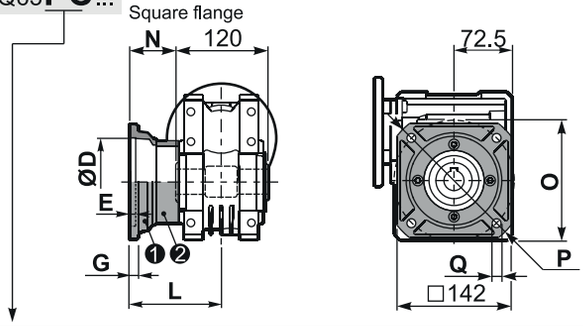
PQ63**FB**... Standart Redüktör
Basic wormbox

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



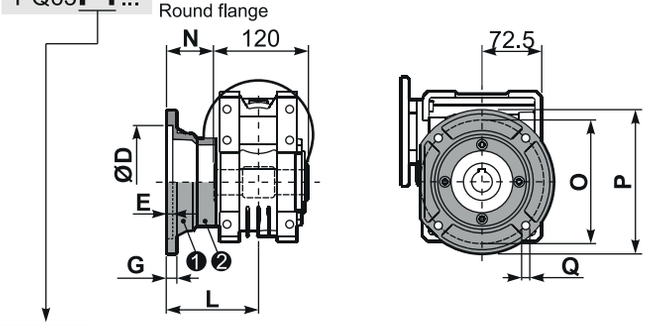
Ağırlık Gearbox weight: **6.00 kg**

PQ63**FC**... Kare Çıkış Flanşı
Square flange



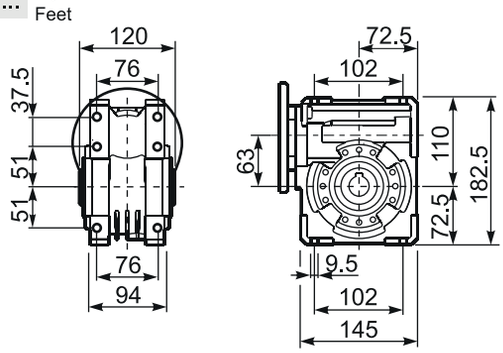
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 $^{+0.20}_{+0.15}$	6	12	86	26	150	180	11	❶ KQ63.9.010 ❷ -
FL	115 $^{+0.20}_{+0.15}$	6	12	116	56	150	180	11	❶ KQ63.9.010 ❷ K063.0.200

PQ63**F1**... Yuvaklak Çıkış Flanşı
Round flange

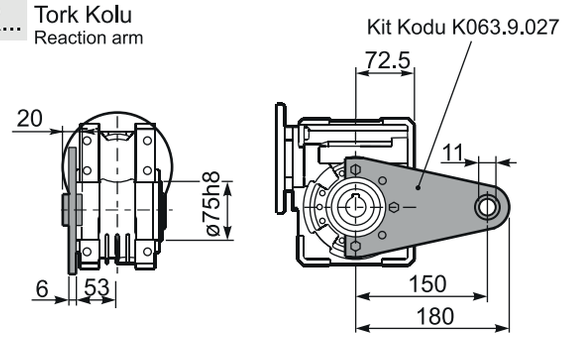


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 $^{+0.20}_{+0.15}$	7	13	110	50	165	200	13	❶ KS070.9.013 ❷ -
F2	115 $^{+0.20}_{+0.15}$	7	13	124	64	150	175	11	❶ KS063.9.013 ❷ -
F3	110 $^{+0.035}_{0}$	5	11	90	30	130	160	10	❶ KS063.9.011 ❷ -

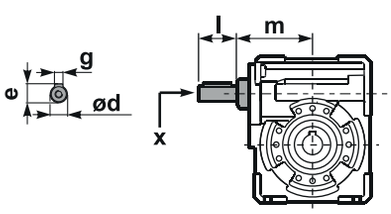
PQ63**FB**... Ayak
Feet



PQ63**BR**... Tork Kolu
Reaction arm



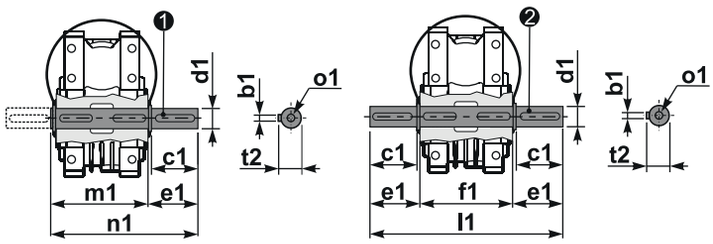
RQ63FB... Giriş Mili
Input shaft



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

PQ63.....**S**... Tek Çıkış Mili
Single Shaft

PQ63.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K063.5.028 Tip **B**

❷ Kit Kodu K063.5.029 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 (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 -C 71	-D 80	-E 90	-F 100 112	Uygun B14 motor flanşları -R 80	-T 90	-U 100 112	Dinamik verim RD	Modül [mm]	Tahvil kodu
200	**7**	4	172	1.1	4.4	190		B	B		B	B		90	3.75	01
140	**10**	4	240	1.0	3.8	230		B	B		B	B		88	3.75	02
93	**15**	3	261	1.0	2.9	250		B	B		B	B		85	3.75	03
70	**20**	2.2	249	1.0	2.2	250		B	B		B	B		83	3.00	04
56	**25**	1.5	205	1.2	1.8	250	B	B			B			80	2.41	05
45	**31**	1.5	244	1.1	1.7	270	B	B			B			77	3.75	06
35	**40**	1.5	295	0.9	1.3	255	B	B			B			72	3.10	07
28	**50**	0.75	174	1.3	0.95	220	B							68	2.41	08
23	**60**	0.75	202	1.0	0.75	200	B							65	2.10	09
17.5	**80**	0.55	177	1.0	0.56	180	B							59	1.53	10
14.0	**100**	0.55*	206	0.7	0.40	150	B							55	1.23	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 **Q75** 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 **Q75** 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 Q75 Yağ Miktarı 0.40 Lt.
LUBRICATION Q75 Oil Quantity 0.40 Lt.

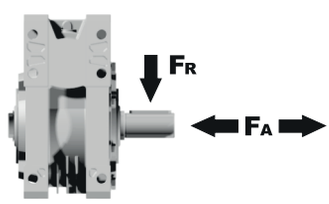
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

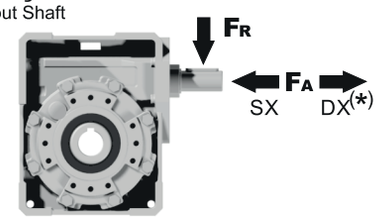
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
200	460	2300
150	520	2600
100	560	2800
75	620	3100
50	720	3600
25	880	4400
15	1000	5000

Giriş Mili
Input Shaft



n_1 [d/d]	FA [N]	FR [N]
1400	125	630

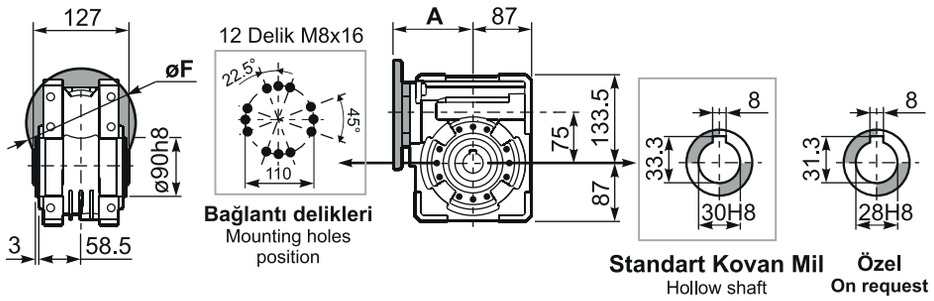
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

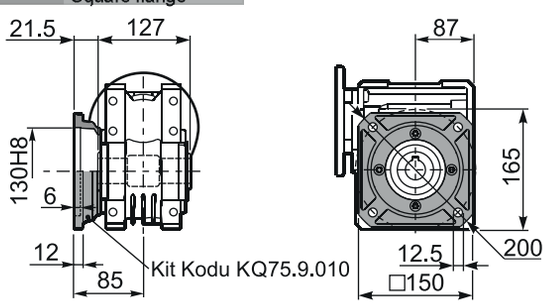
PQ75**FB**... Standart Redüktör
Basic wormbox

Ağırlık Gearbox weight	8.70 kg

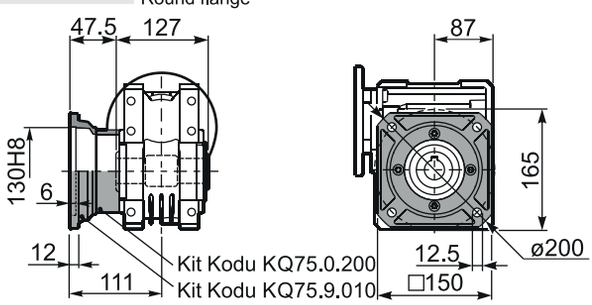
M. Flanşları	Kit Kodu	øF	A
71B5	K023.4.041	160	113.5
80/90B5	K023.4.042	200	115.5
100/112B5	K023.4.043	250	124.5
80B14	K085.4.046	120	115.5
90B14	K085.4.045	140	115.5
100/112B14	K023.4.041	160	113.5



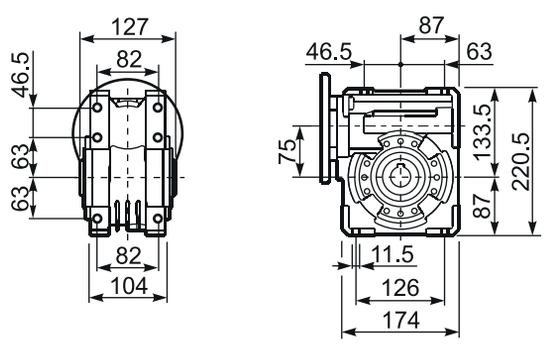
PQ75**FC**... Kare Çıkış Flanşı
Square flange



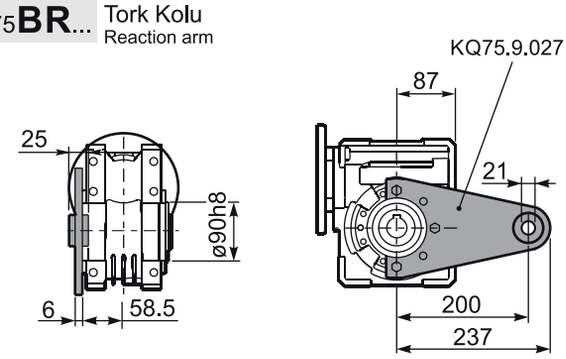
PQ75**FL**... Yuvarlak Çıkış Flanşı
Round flange



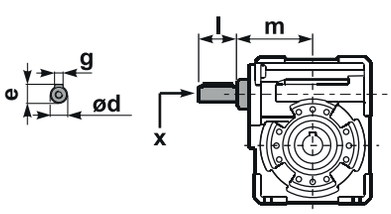
PQ75**FB**... Ayak
Feet



PQ75**BR**... Tork Kolu
Reaction arm

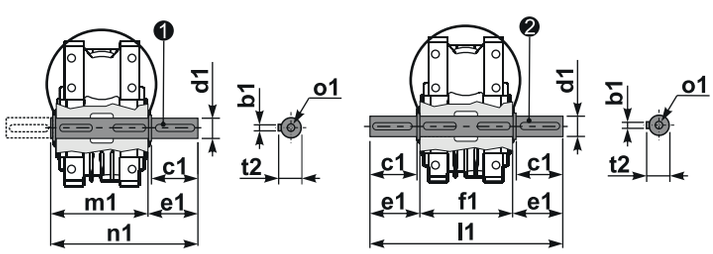


R**Q75FB**... Giriş Mili
Input shaft



PQ75.....**S**... Tek Çıkış Mili
Single Shaft

PQ75.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu KQ75.5.028 Standart
Kit Kodu KQ75.5.026 Özel

❷ Kit Kodu KQ75.5.029 Standart
Kit Kodu KQ75.5.027 Özel

	ød	e	g	l	m	x	Kit Kodu
Tip **B**	25 h6	27.8	8	50	109.5	M8x20	KQ75.5.006 PAM80 K085.5.007 PAM90 K085.5.008 PAM100

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standart	8	60	$30^{-0.005}_{-0.020}$	65	127	255	134	199	33	M8x20
Özel	8	60	$28^{-0.005}_{-0.020}$	65	127	255	134	199	31	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 -C 71	-D 80	-E 90	-F 100 112	Uygun B14 motor flanşları -R 80	-T 90	-U 100 112	Dinamik verim RD	Modül [mm]	Tahvil kodu
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			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 **Q85** 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 **Q85** 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 Q85 Yağ Miktarı 1.20 Lt.
LUBRICATION Q85 Oil Quantity 1.20 Lt.

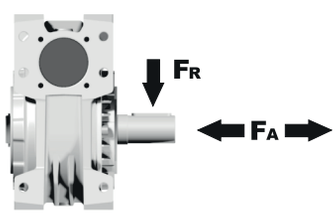
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

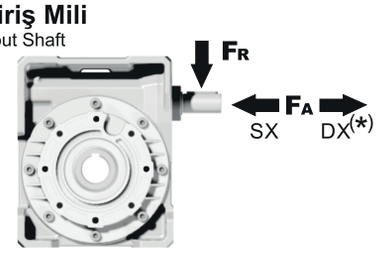
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

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

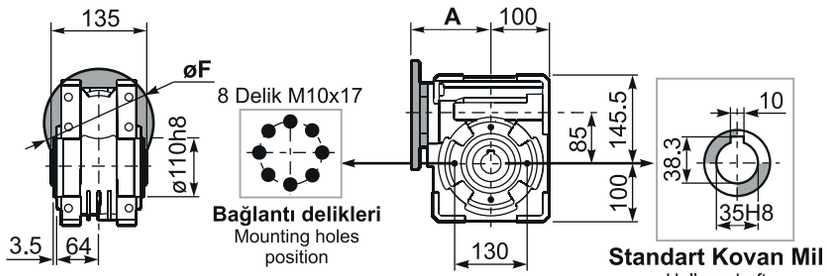
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

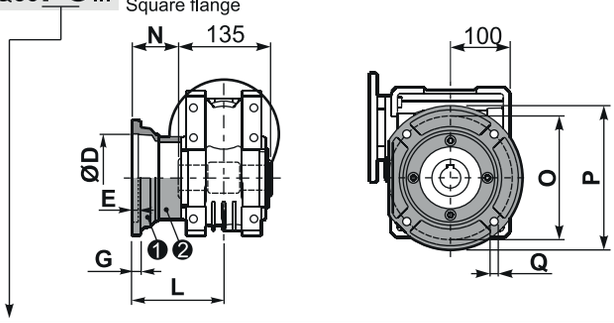
PQ85**FB**... Standart Redüktör
Basic wormbox

Ağırlık Gearbox weight: **12.1 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

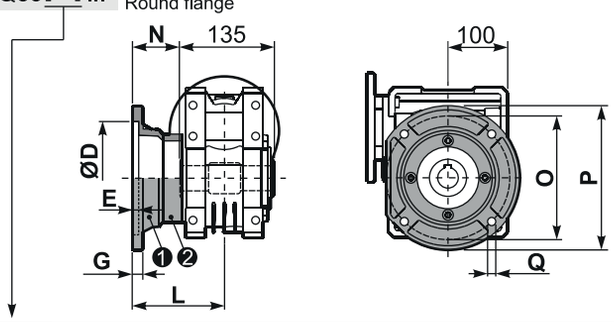


PQ85**FC**... Kare Çıkış Flanşı
Square flange



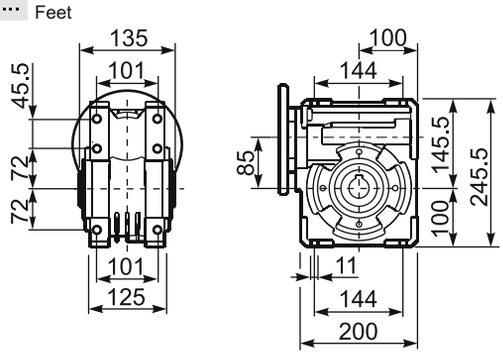
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 +0.06 +0.00	5	16	108	40.5	176	205	13	❶ K085.9.010 ❷ -
FL	152 +0.06 +0.00	5	16	148.5	81	176	205	13	❶ K085.9.010 ❷ K085.0.201

PQ85**F1**... Yuvarlak Çıkış Flanşı
Round flange

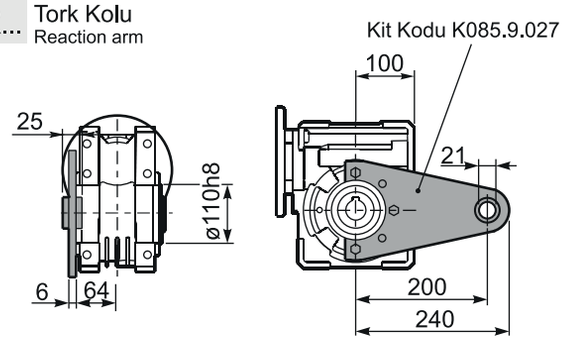


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 H7	5	13	117.5	50	165	200	11.5	❶ KS085.9.012 ❷ -
F2	152 +0.06 +0.00	5	15	147.5	80	180	205	12.5	❶ KS085.9.013 ❷ -
F4	130 H7	5	13	106.5	39	165	200	13	❶ KS085.9.015 ❷ -

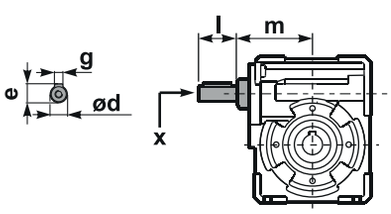
PQ85**FB**... Ayak
Feet



PQ85**BR**... Tork Kolu
Reaction arm



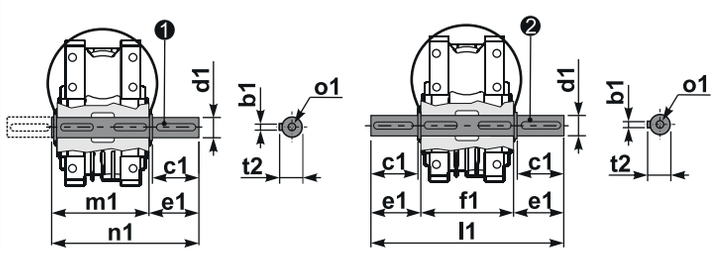
R Q85FB... Giriş Mili
Input shaft



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

PQ85.....**S**... Tek Çıkış Mili
Single Shaft

PQ85.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K085.5.028 Tip **B**

❷ Kit Kodu K085.5.029 Tip **B**

	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 (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 -C 71	-D 80	-E 90	-F 100 112	-G 132	Uygun B14 motor flanşları -R 80	-T 90	-U 100 112	-V 132	Dinamik verim RD	Modül [mm]	Tahvil kodu
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				69	2.9	10
16.7	**84**	1.1	410	1.2	1.3	494	B	B				B				65	2.2	11
14.1	**99**	1.1	446	1.1	1.2	483	B	B				B				60	1.9	12

Uygun Motor Flanşları
Motor Flanges Available

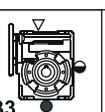
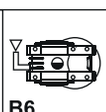
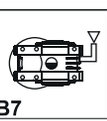
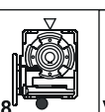
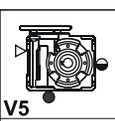
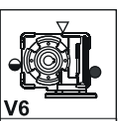
B) **Burç ile montaj yapılabilir**
Supplied with Reduction Bushing

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

C) **Teminal Kutusu flanş pozisyonu**
Motor Flange Holes Position

TR **Q11** 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 **Q11** 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.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

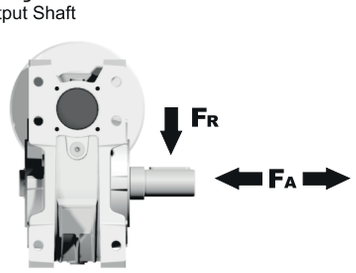
 B3	 B6	 B7	 B8	 V5	 V6
1.90 LT	1.35 LT	1.35 LT	2.00LT	2.00 LT	2.00LT
AGIP Blasia 460					

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

Tablo 1

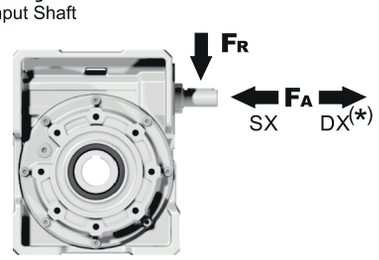
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

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



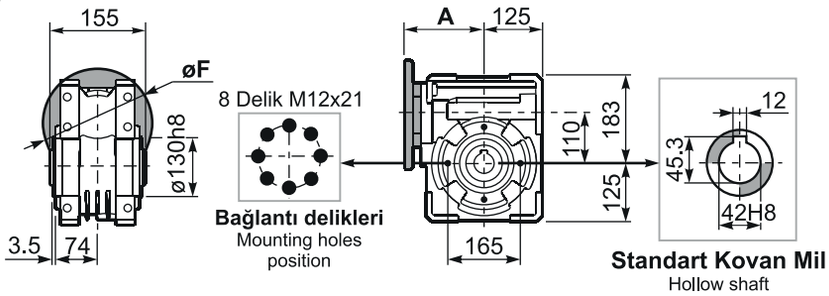
n_1 [d/d]	FA [N]	FR [N]
1400	228	1140

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

Tablo 2

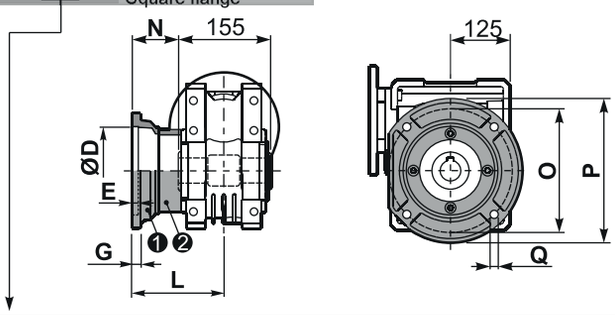
PQ11**FB**... Standart Redüktör
Basic wormbox

M. Flanşları	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



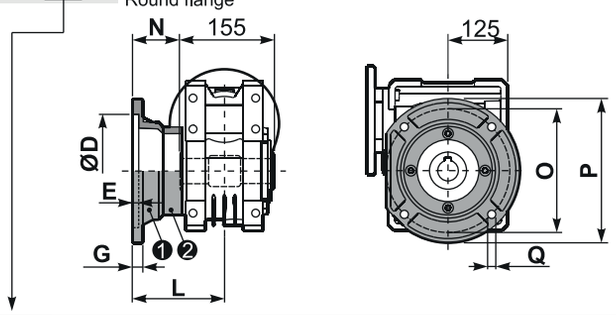
Ağırlık Gearbox weight: **35.0 kg**

PQ11**FC**... Kare Çıkış Flanşı
Square flange



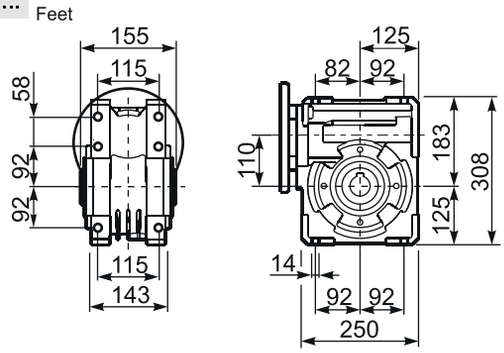
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	170 +0.083 +0.043	11	16.5	131.5	54	230	270	13	❶ K110.9.010 ❷ -
FL	170 +0.083 +0.043	11	16.5	179.5	102	230	270	13	❶ K110.9.011 ❷ -

PQ11**F1**... Yuvarlak Çıkış Flanşı
Round flange

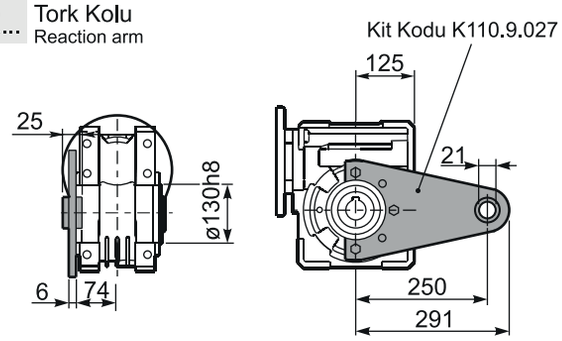


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	180 +0.040 0	5	18	150	72.5	215	250	15	❶ KS110.9.014 ❷ -
F3	180 +0.040 0	5	18	130	52.5	215	250	15	❶ KS110.9.013 ❷ -

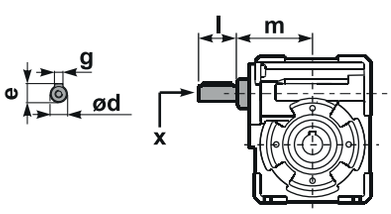
PQ11**FB**... Ayak
Feet



PQ11**BR**... Tork Kolu
Reaction arm

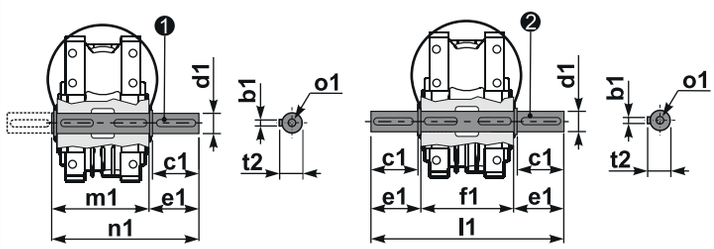


R**Q11FB**... Giriş Mili
Input shaft



PQ11.....**S**... Tek Çıkış Mili
Single Shaft

PQ11.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K110.5.028 Tip **B**

❷ Kit Kodu K110.5.029 Tip **B**

	ød	e	g	l	m	x	Kit Kodu
Tip **B**	25 h6	28	8	50	131.5	M8x20	❶ K085.5.007 PAM90 ❷ K085.5.008 PAM100
Tip **S**	24 h6	27	8	50	131.5	M8x20	❶ KS085.5.009 PAM90 ❷ 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 (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 -B 63	-C 71	-D 80	-E 90	Uygun B14 motor flanşları -P 63	-Q 71	-R 80	-T 90	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

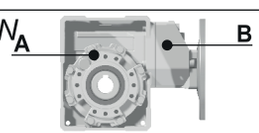
■ **Uygun Motor Flanşları** Motor Flanges Available
B) **Burç ile montaj yapılabilir** Supplied with Reduction Bushing
B) **Burç Kullanılmadan Montajı Yapılabilir** Available on Request without Reduction Bushing
C) **Teminal Kutusu flanş pozisyonu** Motor Flange Holes Position

TR **P6Q** 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 **P6Q** 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 (0.30 lt) B (0.08 l) , B6-B7-B8 montaj pozisyonlarında ortak yağlama 0.35 lt (A + B).



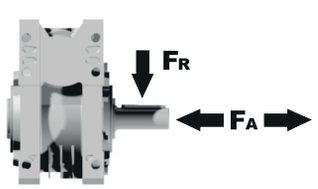
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

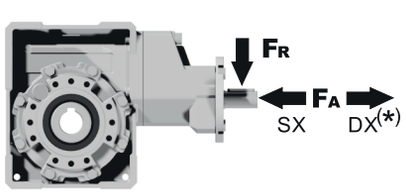
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
75	500	2500
50	600	3000
25	700	3800
15-6	800	4000

Giriş Mili
Input Shaft



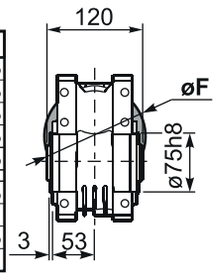
n_1 [d/d]	FA [N]	FR [N]
1400	61	305

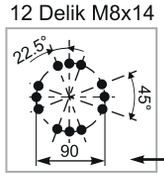
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

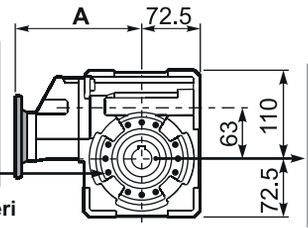
PP6Q**FB**... Standart Redüktör
Basic wormbox

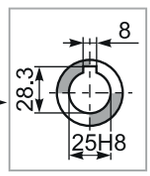
M.	Flanşları	Kit Kodu	øF	A
29.9÷111	**71B5**	K063.4.042	160	176.5
	80/90B5	K063.4.043	200	178.5
	71B14	K063.4.047	105	176.5
	80B14	K063.4.046	120	178.5
	90B14	K063.4.041	140	178.5
139÷434	**63B5**	K050.4.041	138	162.5
	71B5	K050.4.042	160	160
	63B14	K050.4.047	90	162.5
	71B14	K050.4.045	105	160



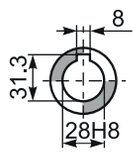


Bağlantı delikleri
Mounting holes position





Standart Kovan Mil
Hollow shaft

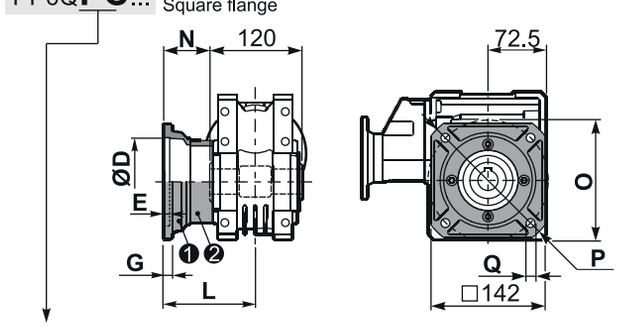


Özel
On request

Ağırlık Gearbox weight	29.9÷111	139÷434
	7.05 Kg	6.60 Kg

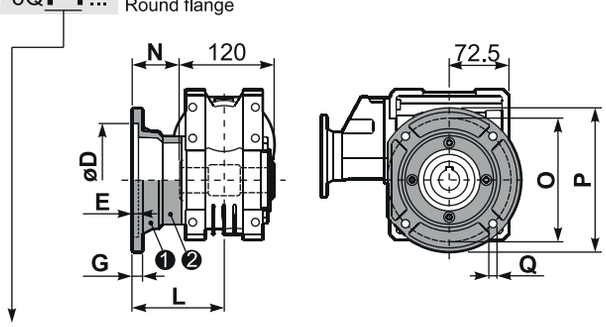
2

PP6Q**FC**... Kare Çıkış Flanşı
Square flange



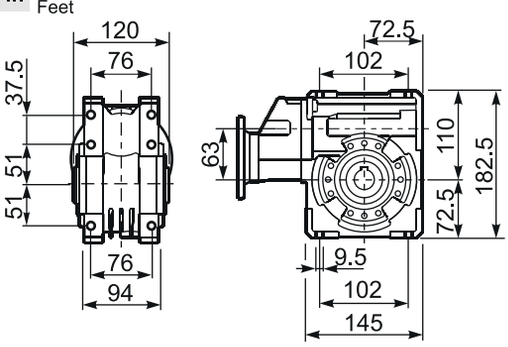
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 +0.20 +0.15	6	12	86	26	150	180	11	❶ KQ63.9.010 ❷ -
FL	115 +0.20 +0.15	6	12	116	56	150	180	11	❶ KQ63.9.010 ❷ K063.0.200

PP6Q**F1**... Yuvarlak Çıkış Flanşı
Round flange

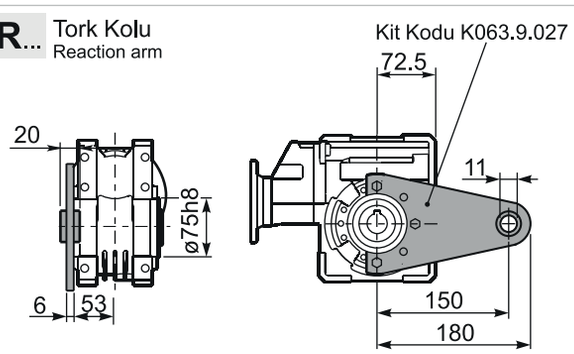


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 +0.20 +0.15	7	13	110	50	165	200	13	❶ KS070.9.013 ❷ -
F2	115 +0.20 +0.15	7	13	124	64	150	175	11	❶ KS063.9.013 ❷ -
F3	110 +0.035 0	5	11	90	30	130	160	10	❶ KS063.9.011 ❷ -

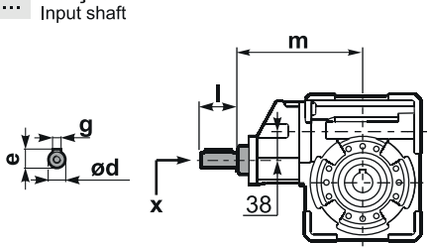
PP6Q**FB**... Ayak
Feet



PP6Q**BR**... Tork Kolu
Reaction arm

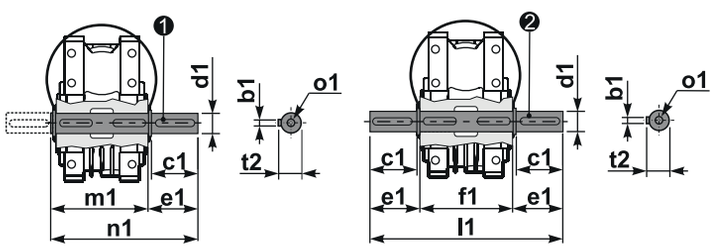


RP6QFB... Giriş Mili
Input shaft



PP6Q.....**S**... Tek Çıkış Mili
Single Shaft

PP6Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K063.5.028 Tip **B**

❷ Kit Kodu K063.5.029 Tip **B**

	ød	e	g	l	m	x	
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	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 (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 -B 63	-C 71	-D 80	-E 90	Uygun B14 motor flanşları -Q 71	-R 80	-T 90	Dinamik verim RD	Modül [mm]	Tahvil kodu
22	**62.9**	0.75	248	1.2	0.87	286					C	C		77	3.10	01
18	**78.5**	0.75	293	1.0	0.73	286					C	C		73	2.41	02
15	**94.2**	0.75	333	0.9	0.70	310					C	C		69	2.10	03
11	**126**	0.55	297	1.0	0.55	296	B				C	C		63	1.53	04
9	**157**	0.37	230	1.1	0.41	252	B				C	C		58	1.23	05
8	**185**	0.37	257	1.2	0.43	296	B				C	C		55	3.10	06
6	**231**	0.25	193	1.5	0.38	296	B				C	C		49	2.41	07
5	**277**	0.25	222	1.3	0.33	296	B				C	C		47	2.10	08
4	**378**	0.18	200	1.5	0.27	296	B				C	C		43	2.10	09

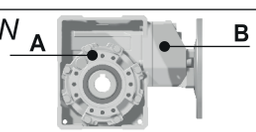
Uygun Motor Flanşları Motor Flanges Available
B) **Burç ile montaj yapılabilir** Supplied with Reduction Bushing
B) **Burç Kullanılmadan Montajı Yapılabilir** Available on Request without Reduction Bushing
C) **Teminal Kutusu flanş pozisyonu** Motor Flange Holes Position

*** 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 **P7Q** 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 **P7Q** 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 lt) B (0.14 lt) , B6-B7-B8 montaj pozisyonlarında ortak yağlama 0.65 lt (A + B).

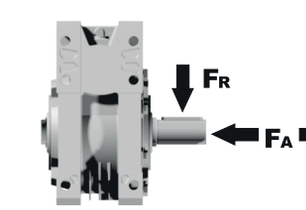
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

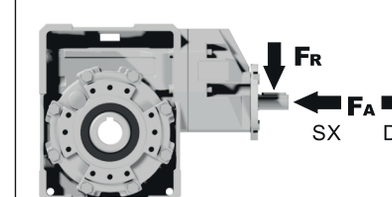
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
75	620	3100
50	720	3600
25	880	4400
15-6	1000	5000

Giriş Mili
Input Shaft



n [d/d]	FA [N]	FR [N]
1400	108	540

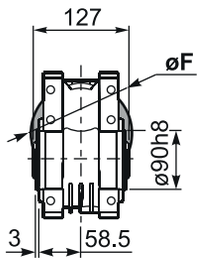
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

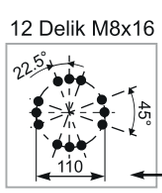
Tablo 2

PP7Q**FB**... Standart Redüktör
Basic wormbox

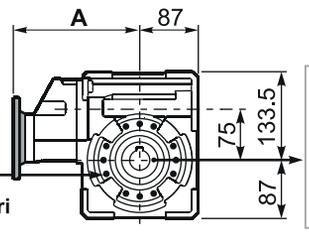
Ağırlık Gearbox weight	9.90 kg

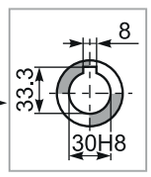
M. Flanşları	Kit Kodu	øF	A
63B5	K063.4.041	140	192.7
71B5	K063.4.042	160	190.7
80/90B5	K063.4.043	200	192.7
71B14	K063.4.047	105	190.7
80B14	K063.4.046	120	192.7
90B14	K063.4.041	140	192.7



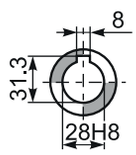


Bağlantı delikleri
Mounting holes position





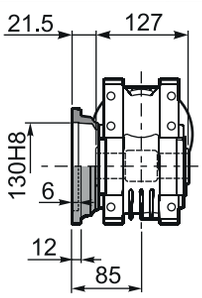
Standart Kovan Mil
Hollow shaft

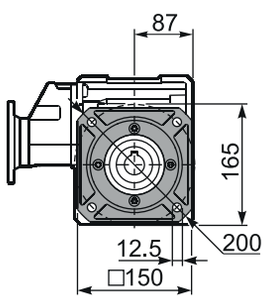


Özel
On request

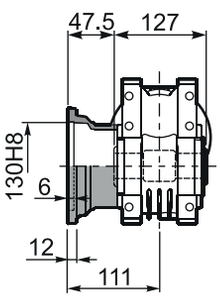
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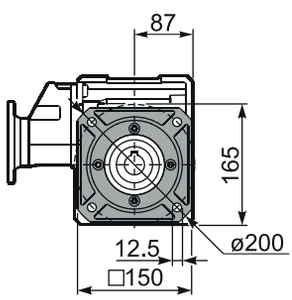
PP7Q**FC**... Kare Çıkış Flanşı
Square flange



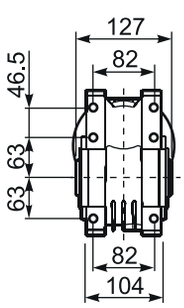


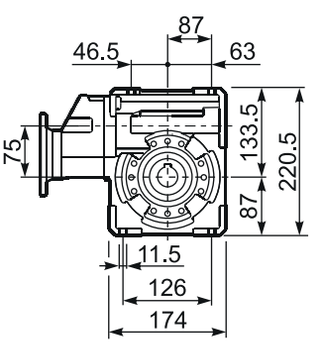
PP7Q**FL**... Yuvarlak Çıkış Flanşı
Round flange



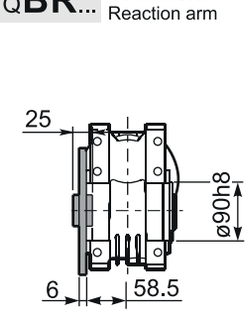


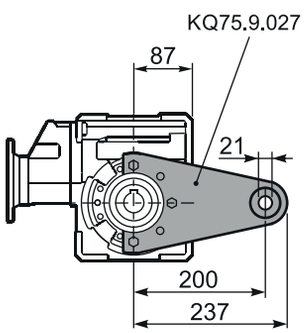
PP7Q**FB**... Ayak
Feet



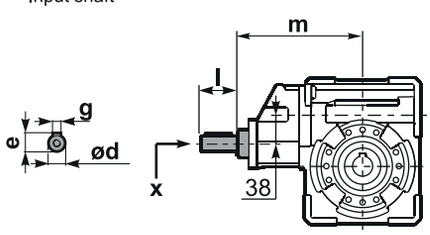


PP7Q**BR**... Tork Kolu
Reaction arm



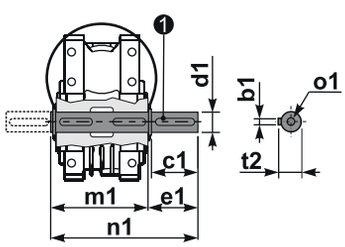


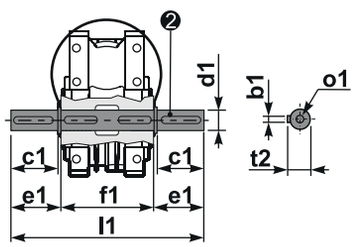
R**P7QFB**... Giriş Mili
Input shaft



PP7Q.....**S**... Tek Çıkış Mili
Single Shaft

PP7Q.....**D**... Çift Çıkış Mili
Double Shaft





❶ Kit Kodu KQ75.5.028 Standart
Kit Kodu KQ75.5.026 Özel

❷ Kit Kodu KQ75.5.029 Standart
Kit Kodu KQ75.5.027 Özel

	ød	e	g	l	m	x	
Tip **B**	19 h6	21.5	6	35	185.5	M6x16	C40.5.062
Tip **S**	-	-	-	-	-	-	

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standart	8	60	$30^{-0.005}_{-0.020}$	65	127	255	134	199	33	M8x20
Özel	8	50	$28^{-0.005}_{-0.020}$	65	127	255	134	199	31	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 -B 63	-C 71	-D 80	-E 90	Uygun B14 motor flanşları -Q 71	-R 80	-T 90	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

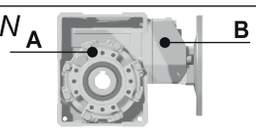
Uygun Motor Flanşları Motor Flanges Available
B) **Burç ile montaj yapılabilir** Supplied with Reduction Bushing
B) **Burç Kullanılmadan Montajı Yapılabilir** Available on Request without Reduction Bushing
C) **Teminal Kutusu flanş pozisyonu** Motor Flange Holes Position

TR **P8Q** 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 **P8Q** 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 lt) B (0.14 lt) , B6-B7-B8 montaj pozisyonlarında ortak yağlama 1.00 lt (A + B).



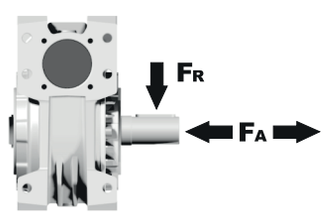
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

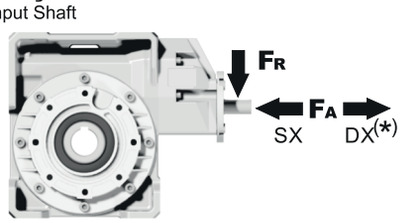
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
75	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

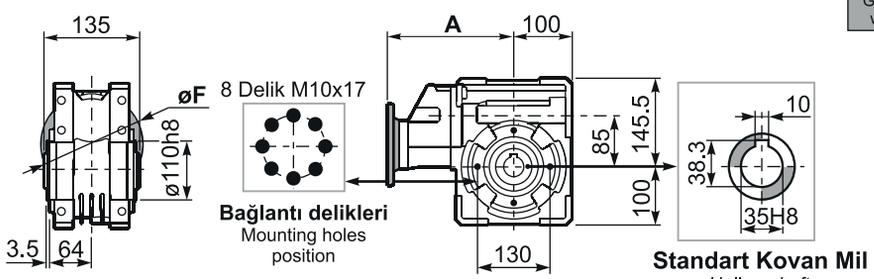
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

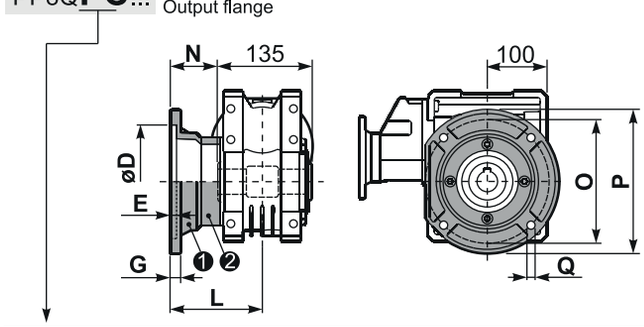
PP8Q**FB**... Standart Redüktör
Basic wormbox

Ağırlık Gearbox weight	12.3 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

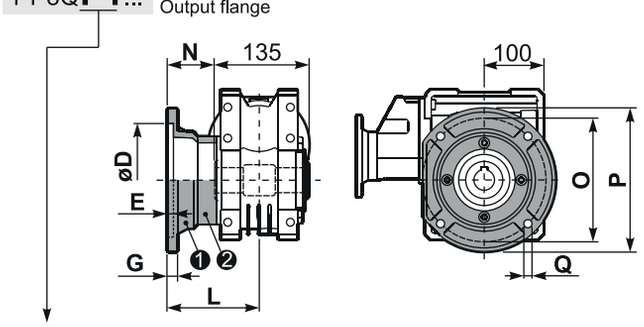


PP8Q**FC**... Çıkış Flanşı
Output flange



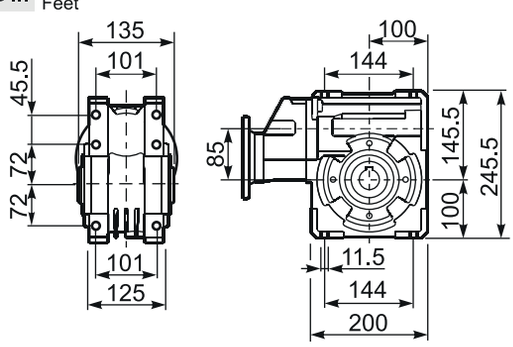
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 +0.06 +0.00	5	16	108	40.5	176	205	13	❶ K085.9.010 ❷ -
FL	152 +0.06 +0.00	5	16	148.5	81	176	205	13	❶ K085.9.010 ❷ K085.0.201

PP8Q**F1**... Çıkış Flanşı
Output flange

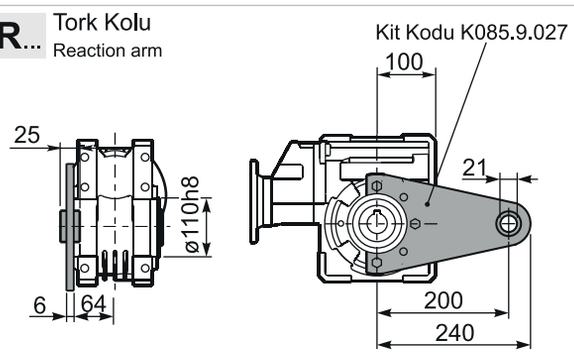


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 +0.04 +0.00	5	13	117.5	50	165	200	11.5	❶ KS085.9.012 ❷ -
F2	152 +0.06 +0.00	5	15	147.5	80	180	205	12.5	❶ KS085.9.013 ❷ -
F4	130 +0.04 +0.00	5	13	106.5	39	165	200	13	❶ KS085.9.015 ❷ -

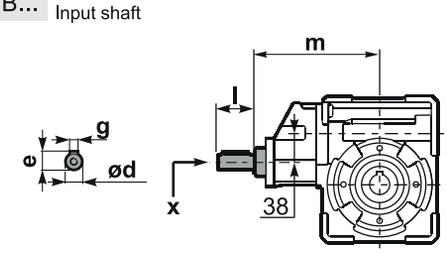
PP8Q**FB**... Ayak
Feet



PP8Q**BR**... Tork Kolu
Reaction arm



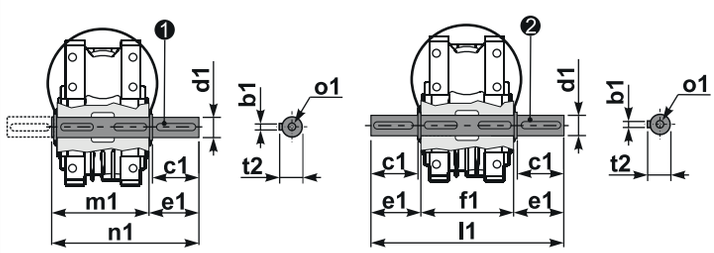
RP8QFB... Giriş Mili
Input shaft



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

PP8Q.....**S**... Tek Çıkış Mili
Single Shaft

PP8Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K085.5.028 Tip **B**

❷ Kit Kodu K085.5.029 Tip **B**

	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 (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 -B 63	-C 71	-D 80	-E 90	Uygun B14 motor flanşları -Q 71	-R 80	-T 90	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

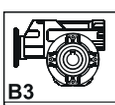
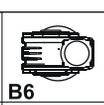
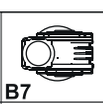
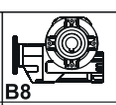
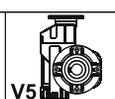
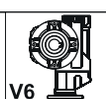
B) **Burç ile montaj yapılabilir**
Supplied with Reduction Bushing

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

C) **Teminal Kutusu flanş pozisyonu**
Motor Flange Holes Position

TR **P1Q** 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 **P1Q** 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.

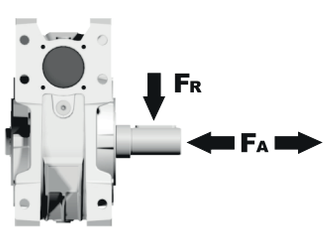
 B3	 B6	 B7	 B8	 V5	 V6
1.9/0.14LT	1.35/0.14 LT	1.35/0.14 LT	2.0/0.14 LT	2.0/0.14 LT	2.0/0.14 LT
AGIP Blasia 460					

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

Tablo 1

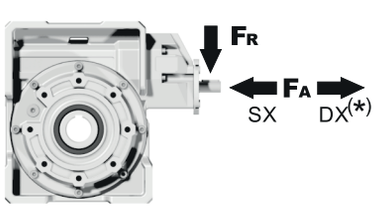
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

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

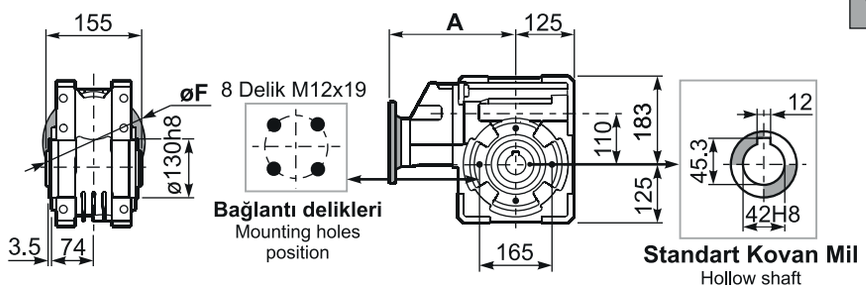
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

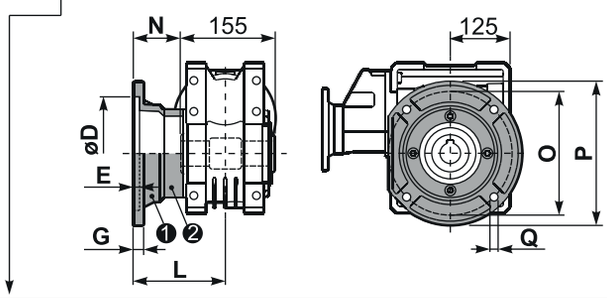
PP1Q**FB**... Standart Redüktör
Basic wormbox

Ağırlık Gearbox weight	37.3 kg

M. Flanşlar	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

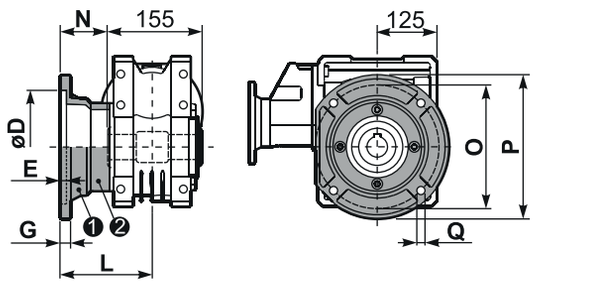


PP1Q**FC**... Kare Çıkış Flanşı
Square flange



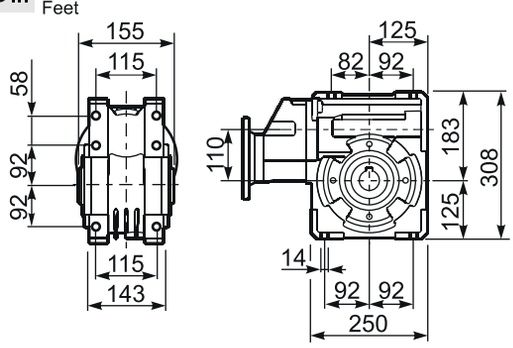
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	170 +0.083 +0.043	11	16.5	131.5	54	230	270	13	❶ K110.9.010 ❷ -
FL	170 +0.083 +0.043	11	16.5	179.5	102	230	270	13	❶ K110.9.011 ❷ -

PP1Q**F1**... Yuvarlak Çıkış Flanşı
Round flange

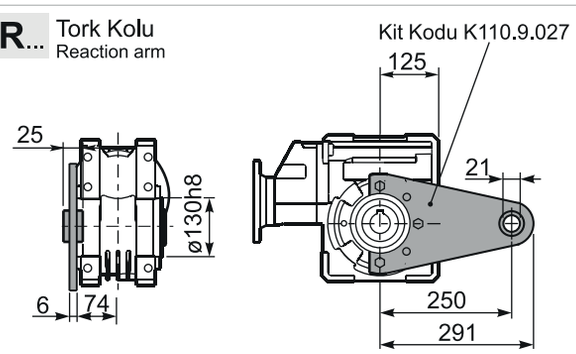


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	180 +0.040 0	5	18	150	72.5	215	250	15	❶ KS110.9.014 ❷ -
F3	180 +0.040 0	5	18	130	52.5	215	250	15	❶ KS110.9.013 ❷ -

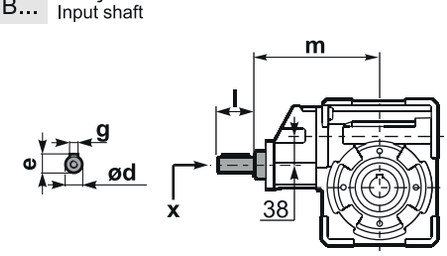
PP1Q**FB**... Ayak
Feet



PP1Q**BR**... Tork Kolu
Reaction arm



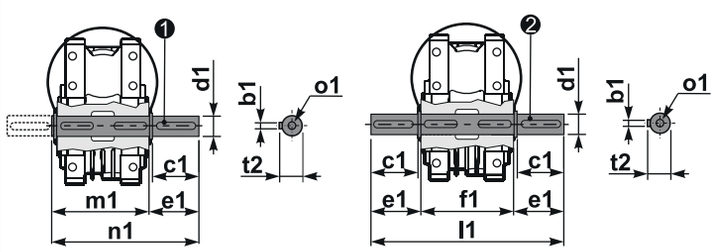
RP1QFB... Giriş Mili
Input shaft



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

PP1Q.....**S**... Tek Çıkış Mili
Single Shaft

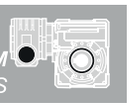
PP1Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K110.5.028 Tip **B**

❷ Kit Kodu K110.5.029 Tip **B**

	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 (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 -A 56	Uygun B5 motor Flanşları -B 63	Uygun B14 motor flanşları -O 56	Uygun B14 motor flanşları -P 63	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

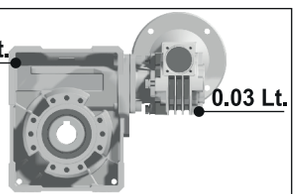
C) **Teminal Kutusu flanş pozisyonu**
Motor Flange Holes Position

*** 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 **63Q** 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 **63Q** 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 0.30/0.03 Lt.
LUBRICATON
Oil Quantity 0.30/0.03 Lt.



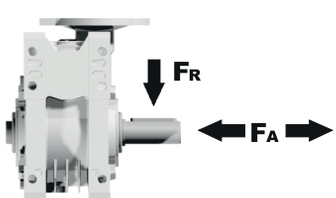
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

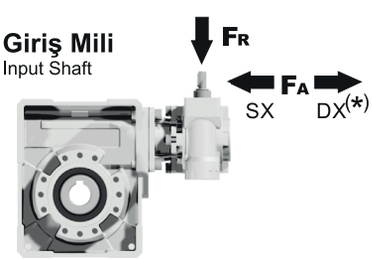
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
25	700	3800
15	800	4000

Giriş Mili
Input Shaft



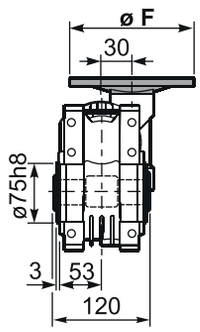
n_1 [d/d]	FA [N]	FR [N]
1400	20	100

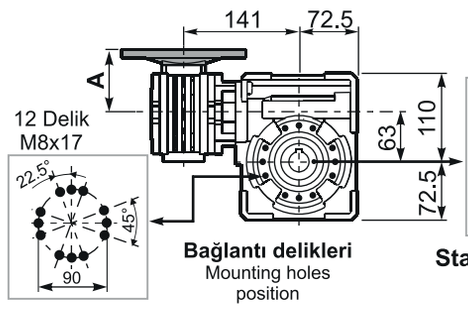
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

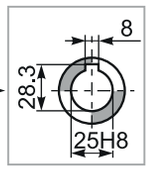
P63Q**FB**... Standart Redüktör
Basic wormbox

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

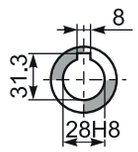




Bağlantı delikleri
Mounting holes position



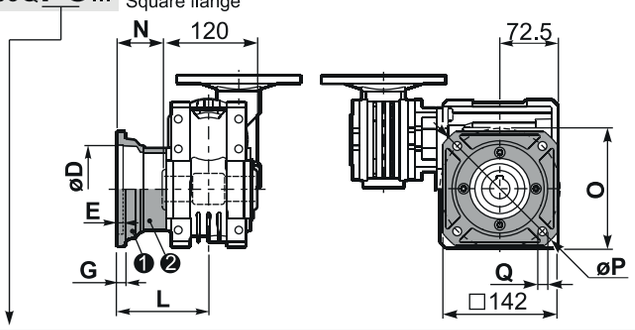
Standart Kovan Mil
Hollow shaft



Özel
On Request

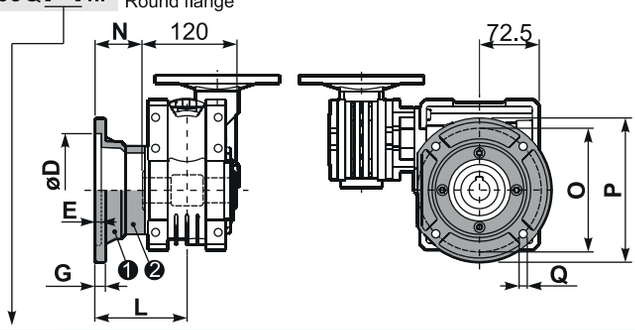
Ağırlık Gearbox weight: **7.25 kg**

P63Q**FC**... Kare Çıkış Flanşı
Square flange



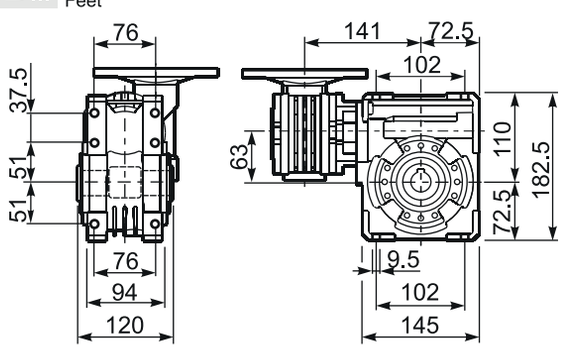
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 +0.20 +0.15	6	12	86	26	150	180	11	❶ KQ63.9.010 ❷ -
FL	115 +0.20 +0.15	6	12	116	56	150	180	11	❶ KQ63.9.010 ❷ K063.0.200

P63Q**F1**... Yuvarlak Çıkış Flanşı
Round flange



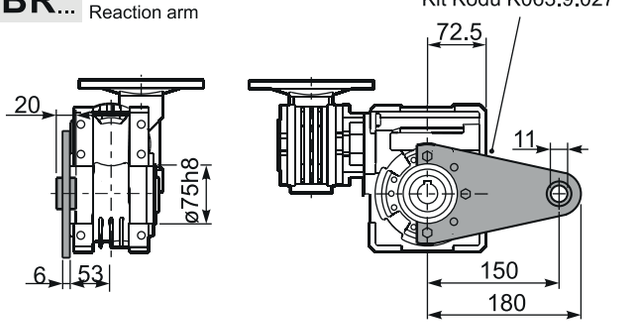
Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 +0.20 +0.15	7	13	110	50	165	200	13	❶ KS070.9.013 ❷ -
F2	115 +0.20 +0.15	7	13	124	64	150	175	11	❶ KS063.9.013 ❷ -
F3	110 +0.035 0	5	11	90	30	130	160	10	❶ KS063.9.011 ❷ -

P63Q**FB**... Ayak
Feet

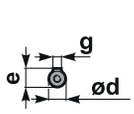


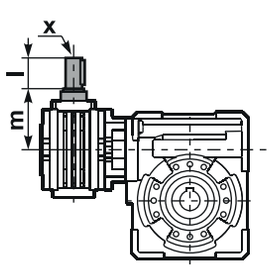
P63Q**BR**... Tork Kolu
Reaction arm

Kit Kodu K063.9.027



R63QFB... Giriş Mili
Input shaft

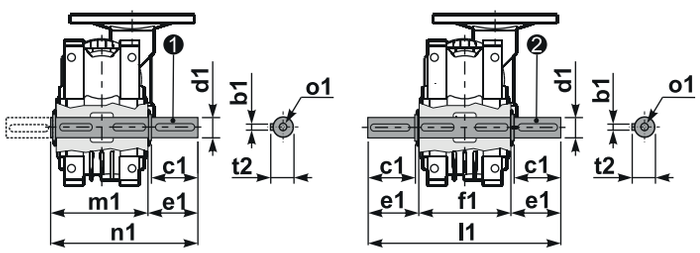




	ød	e	g	l	m	x	Kit Kodu
Tip **B**	9 h6	10.2	3	20	58	-	❶ K030.5.006 PAM63 ❷ -
Tip **S**	-	-	-	-	-	-	❶ - ❷ -

P63Q.....**S**... Tek Çıkış Mili
Single Shaft

P63Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K063.5.028 Tip **B**

❷ Kit Kodu K063.5.029 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 (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 -B 63	Uygun B5 motor Flanşları -C 71	Uygun B14 motor flanşları -O 56	Uygun B14 motor flanşları -P 63	Uygun B14 motor flanşları -Q 71	Dinamik verim RD	Modül [mm]	Tahvil kodu
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}

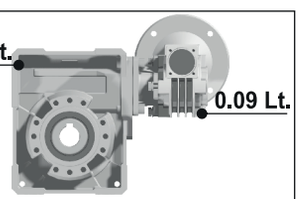
TR **64Q** gövde sonsuz vidalı redüktörler ömürlük sentetik yağ ile yağlanmıştır. V5-V6 montaj pozisyonları için teknik ofisimiz ile iletişime geçiniz.
Tablo 1'de uygun yağ seçenekleri ve yağlama miktarları tanımlanmıştır.
Tablo 2'de izin verilebilir radyal ve eksenel yükler tanımlanmıştır.

EN Unit **64Q** 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 0.30/0.09 Lt.**

LUBRICATON
Oil Quantity *0.30/0.09 Lt.*



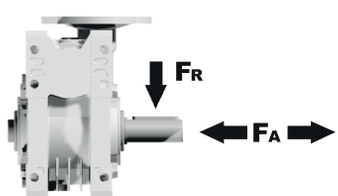
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

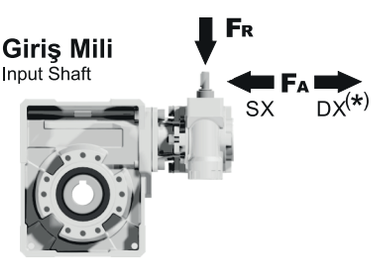
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
25	700	3800
15	800	4000

Giriş Mili
Input Shaft



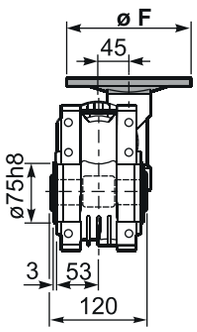
n_1 [d/d]	FA [N]	FR [N]
1400	42	210

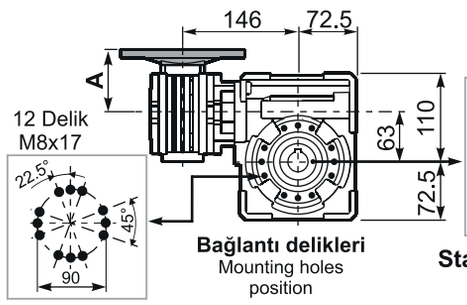
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

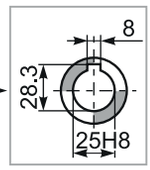
P64Q**FB**... Standart Redüktör
Basic wormbox

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

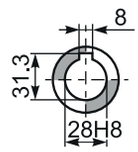




Bağlantı delikleri
Mounting holes position



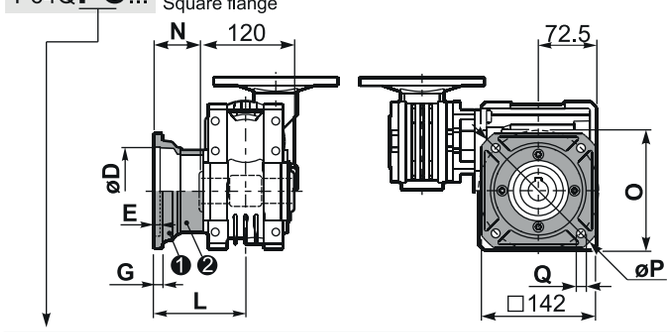
Standart Kovan Mil
Hollow shaft



Özel
On Request

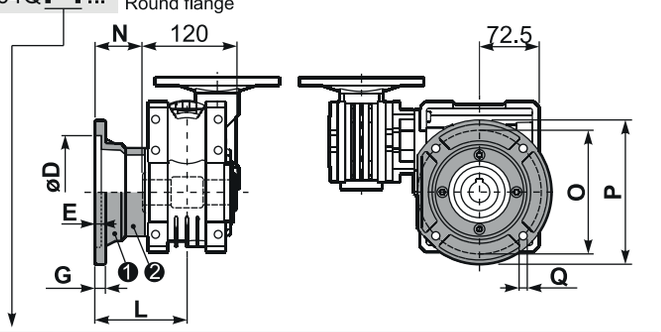
Ağırlık Gearbox weight	7.25 kg

P64Q**FC**... Kare Çıkış Flanşı
Square flange



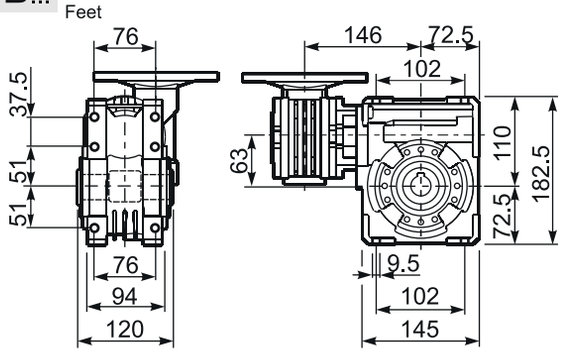
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	115 +0.20 +0.15	6	12	86	26	150	180	11	❶ KQ63.9.010 ❷ -
FL	115 +0.20 +0.15	6	12	116	56	150	180	11	❶ KQ63.9.010 ❷ K063.0.200

P64Q**F1**... Yuvarlak Çıkış Flanşı
Round flange



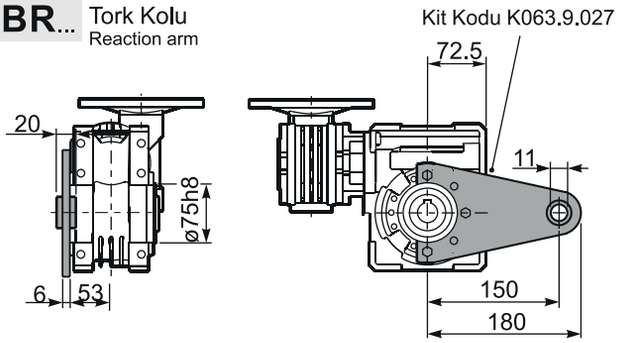
Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 +0.20 +0.15	7	13	110	50	165	200	13	❶ KS070.9.013 ❷ -
F2	115 +0.20 +0.15	7	13	124	64	150	175	11	❶ KS063.9.013 ❷ -
F3	110 +0.035 0	5	11	90	30	130	160	10	❶ KS063.9.011 ❷ -

P64Q**FB**... Ayak
Feet

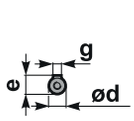


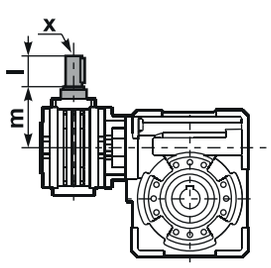
P64Q**BR**... Tork Kolu
Reaction arm

Kit Kodu K063.9.027



R64QFB... Giriş Mili
Input shaft

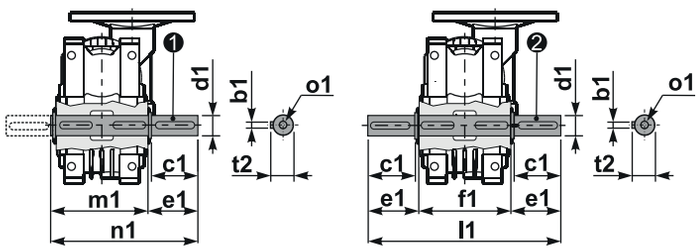




	ød	e	g	l	m	x	Kit Kodu
Tip **B**	11 h6	12.5	4	30	68	-	❶ K045.5.006 PAM71 ❷ -
Tip **S**	-	-	-	-	-	-	❶ - ❷ -

P64Q.....**S**... Tek Çıkış Mili
Single Shaft

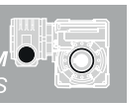
P64Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K063.5.028 Tip **B**

❷ Kit Kodu K063.5.029 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 (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 -B 63	Uygun B5 motor Flanşları -C 71	Uygun B14 motor flanşları -O 56	Uygun B14 motor flanşları -P 63	Uygun B14 motor flanşları -Q 71	Dinamik verim RD	Modül [mm]	Tahvil kodu
5	**280**	0.37	403	0.9	0.33	359	B		B-C	B-C		57	3.10	01
3.5	**400**	0.25	314	1.1	0.29	359	B		B-C	B-C		46	3.10	02
2.5	**560**	0.25	420	0.9	0.21	359	B		B-C	B-C		44	3.10	03
1.7	**840**	0.18	423	0.8	0.15	359	B		B-C	B-C		41	3.10	04
1.3	**1120**	0.12	339	1.1	0.13	359	B		B-C	B-C		37	3.10	05
0.9	**1480**	0.09	336	1.1	0.10	359	B		B-C	B-C		37	3.10	06
0.8	**1840**	0.09	373	1.0	0.09	359	B		B-C	B-C		33	3.10	07
0.6	**2400**	0.06	275	1.3	0.08	359	B		B-C	B-C		28	3.10	08
0.5	**2800**	0.06	298	1.2	0.07	359	B		B-C	B-C		26	3.10	09
0.3	**4080**	0.06	250	1.4	0.09	359	B		B-C	B-C		15	3.10	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

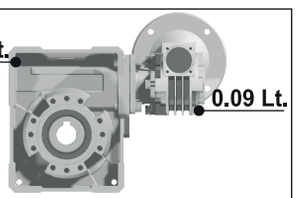
C) **Teminal Kutusu flanş pozisyonu**
Motor Flange Holes Position

TR **74Q** 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 **74Q** 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.**
LUBRICATON
Oil Quantity *0.30/0.09 Lt.*



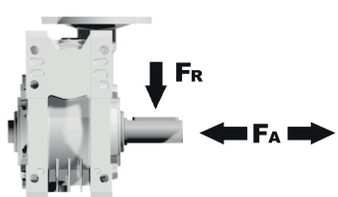
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

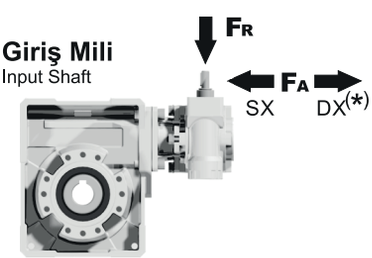
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
25	880	4400
15	1000	5000

Giriş Mili
Input Shaft



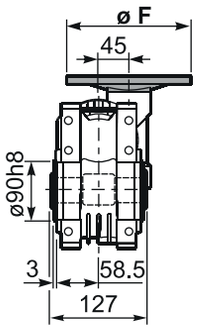
n_1 [d/d]	FA [N]	FR [N]
1400	42	210

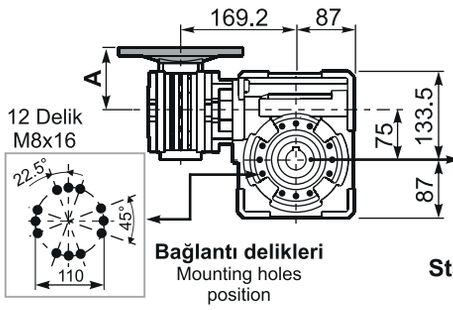
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

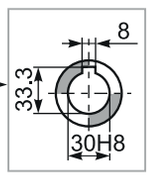
P74Q**FB**... Standart Redüktör
Basic wormbox

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

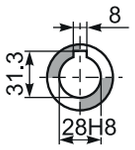




Bağlantı delikleri
Mounting holes position



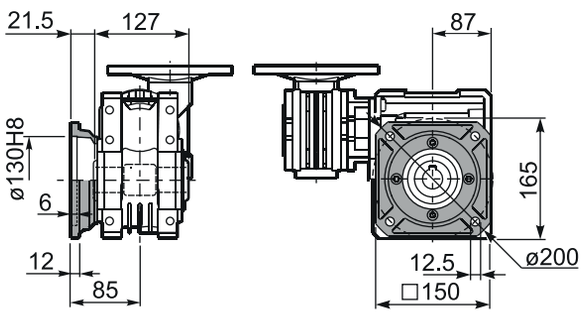
Standart Kovan Mil
Hollow shaft



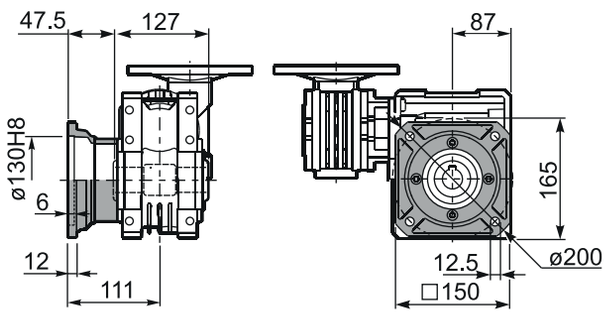
Özel
On request

Ağırlık Gearbox weight **11.4 kg**

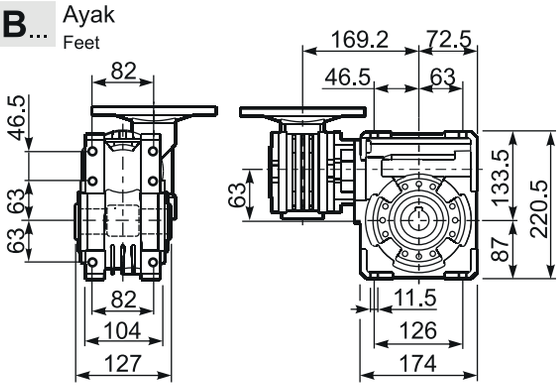
P74Q**FC**... Kare Çıkış Flanşı
Square flange



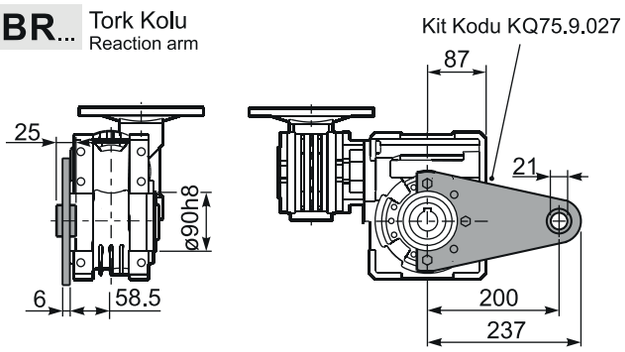
P74Q**FL**... Yuvarlak Çıkış Flanşı
Round flange



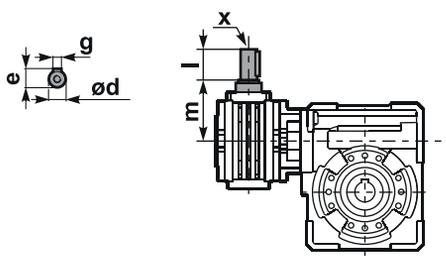
P74Q**FB**... Ayak
Feet



P74Q**BR**... Tork Kolu
Reaction arm

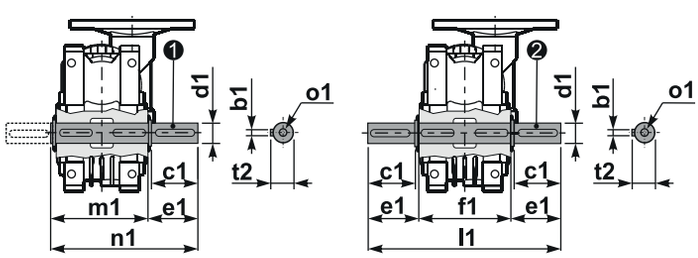


R74QFB... Giriş Mili
Input shaft



P74Q.....**S**... Tek Çıkış Mili
Single Shaft

P74Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu KQ75.5.028 Standart
Kit Kodu KQ75.5.026 Özel

❷ Kit Kodu KQ75.5.029 Standart
Kit Kodu KQ75.5.027 Özel

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

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standart	8	60	$30^{-0.005}_{-0.020}$	65	127	255	134	199	33	M8x20
Özel	8	60	$28^{-0.005}_{-0.020}$	65	127	255	134	199	31	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 -B 63	Uygun B5 motor Flanşları -C 71	Uygun B14 motor flanşları -O 56	Uygun B14 motor flanşları -P 63	Uygun B14 motor flanşları -Q 71	Dinamik verim RD	Modül [mm]	Tahvil kodu
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

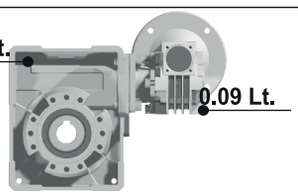
B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) **Teminal Kutusu flanş pozisyonu**
Motor Flange Holes Position

TR **84Q** 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 **84Q** 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.

▪ LUBRICATION 84Q Oil Quantity 1.20/0.09 Lt.



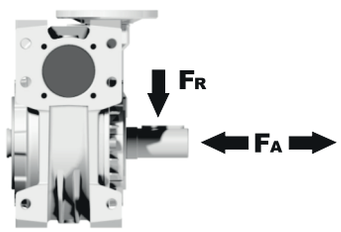
AGIP Telium VSF 320	**SHELL** Omala S4 WE 320

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

Tablo 1

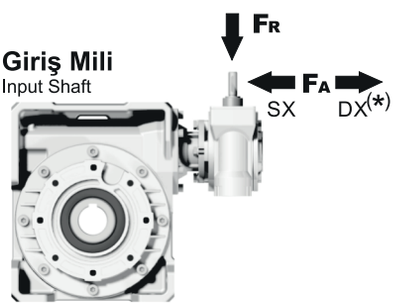
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
25	1000	5000
15	1160	5800

Giriş Mili
Input Shaft



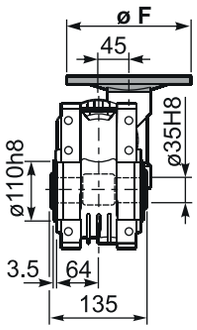
n_1 [d/d]	FA [N]	FR [N]
1400	42	210

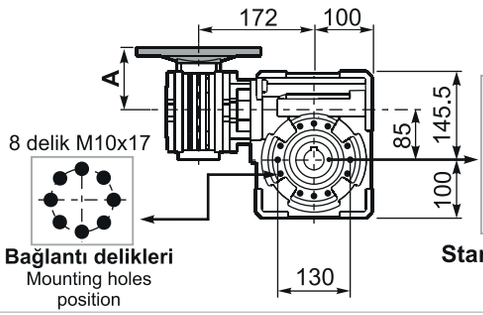
***DX yönünde eksenel yüke izin verilmez**
Strong axial loads in the DX direction are not allowed.

Tablo 2

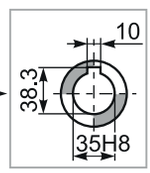
P84Q**FB**... Standart Redüktör
Basic wormbox

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





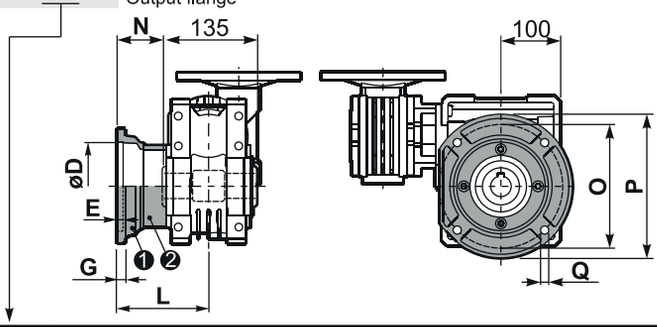
Bağlantı delikleri
Mounting holes position



Standart Kovan Mil
Hollow shaft

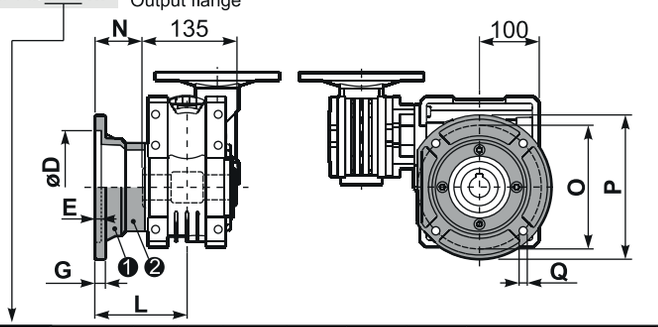
Ağırlık Gearbox weight **16.2 kg**

P84Q**FC**... Çıkış Flanşı
Output flange



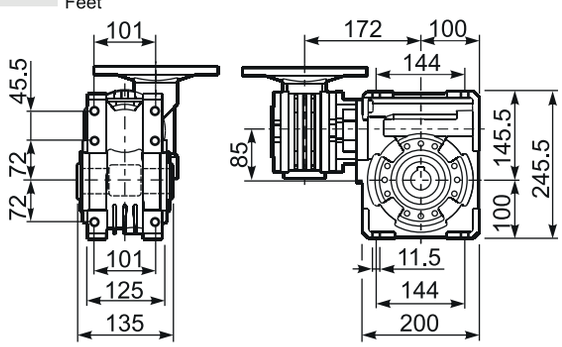
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	152 $^{+0.06}_{+0.00}$	5	16	108	40.5	176	205	13	❶ K085.9.010 ❷ -
FL	152 $^{+0.06}_{+0.00}$	5	16	148.5	81	176	205	13	❶ K085.9.010 ❷ K085.0.201

P84Q**F1**... Çıkış Flanşı
Output flange

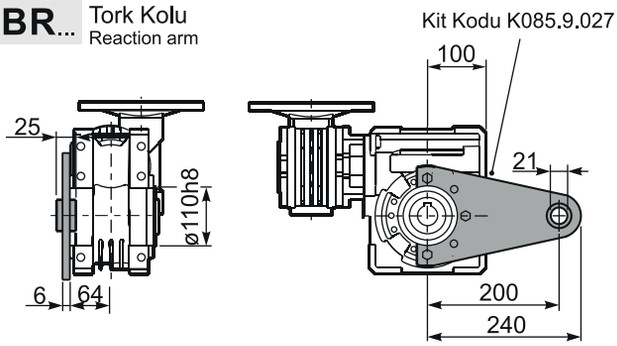


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	130 H7	5	13	117.5	50	165	200	11.5	❶ KS085.9.012 ❷ -
F2	152 $^{+0.06}_{+0.00}$	5	15	147.5	80	180	205	12.5	❶ KS085.9.013 ❷ -
F4	130 H7	5	13	106.5	39	165	200	13	❶ KS085.9.015 ❷ -

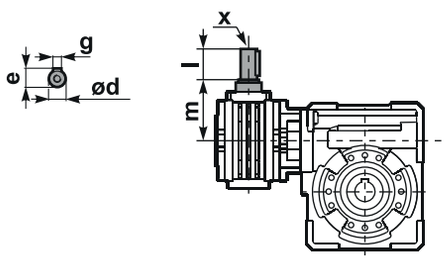
P84Q**FB**... Ayak
Feet



P84Q**BR**... Tork Kolu
Reaction arm



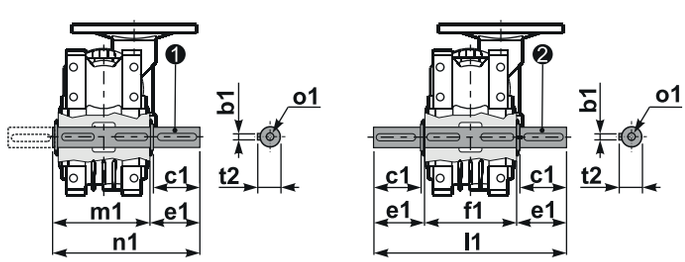
R84QFB... Giriş Mili
Input shaft



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

P84Q.....**S**... Tek Çıkış Mili
Single Shaft

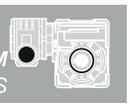
P84Q.....**D**... Çift Çıkış Mili
Double Shaft



❶ Kit Kodu K085.5.028 Tip **B**

❷ Kit Kodu K085.5.029 Tip **B**

	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 (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 -B 63	-C 71	-D 80	Uygun B14 motor flanşları -O 56	-P 63	-Q 71	-R 80	Dinamik verim RD	Modül [mm]	Tahvil kodu
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 **15Q** 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 **15Q** 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.

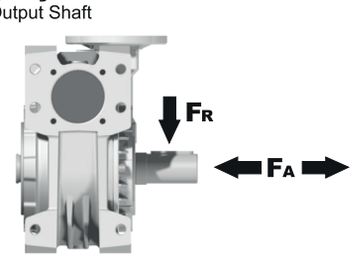
B3	B6	B7	B8	V5	V6
1.9/0.14LT	1.35/0.14 LT	1.35/0.14 LT	2.0/0.14 LT	2.0/0.14 LT	2.0/0.14 LT
AGIP Blasia 460					

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

Tablo 1

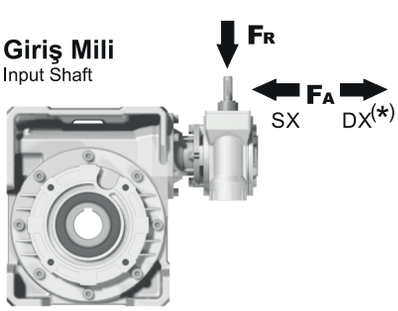
▪ RADYAL VE EKSENEL YÜKLER / *RADIAL AND AXIAL LOADS*

Çıkış Mili
Output Shaft



n_2 [d/d]	FA [N]	FR [N]
25	1200	6000
15	1400	7000

Giriş Mili
Input Shaft



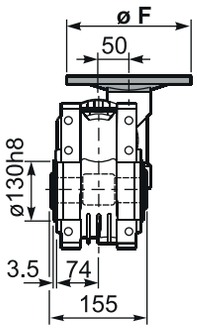
n_1 [d/d]	FA [N]	FR [N]
1400	76	380

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

Tablo 2

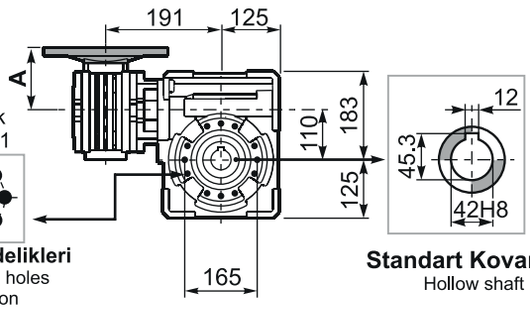
P15Q**FB**... Standart Redüktör
Basic wormbox

M. Flanşları	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





Bağlantı delikleri
Mounting holes position

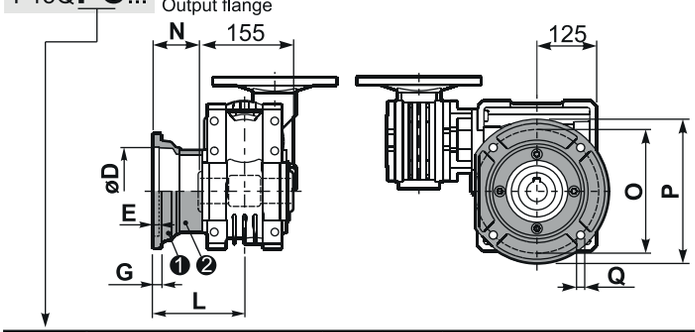


Standart Kovan Mil
Hollow shaft

Ağırlık Gearbox weight	38.8 kg

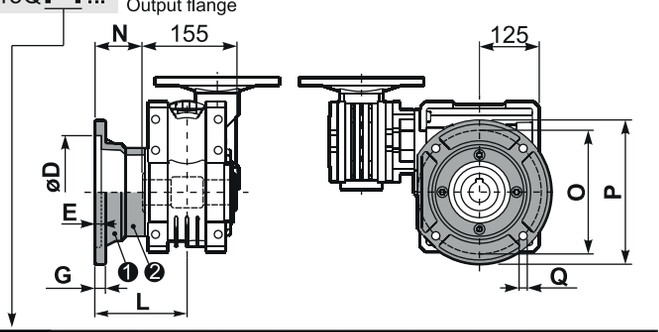
2

P15Q**FC**... Çıkış Flanşı
Output flange



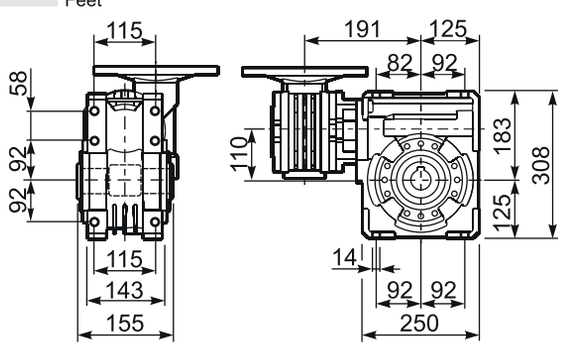
Tip **B**	øD	E	G	L	N	O	P	Q	Kit Kodu
FC	$170^{+0.083}_{+0.043}$	11	16.5	131.5	54	230	270	13	❶ K110.9.010 ❷ -
FL	$170^{+0.083}_{+0.043}$	11	16.5	179.5	102	230	270	13	❶ K110.9.011 ❷ -

P15Q**F1**... Çıkış Flanşı
Output flange

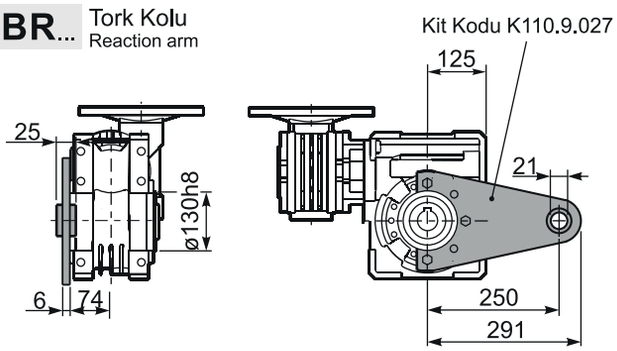


Tip **S**	øD	E	G	L	N	O	P	Q	Kit Kodu
F1	$180^{+0.040}_{0}$	5	18	150	72.5	215	250	15	❶ KS110.9.014 ❷ -
F3	$180^{+0.040}_{0}$	5	18	130	52.5	215	250	15	❶ KS110.9.013 ❷ -

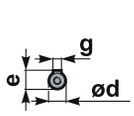
P15Q**FB**... Ayak
Feet

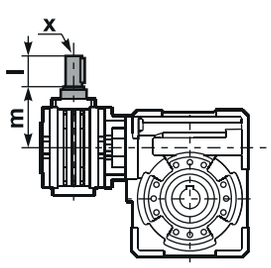


P15Q**BR**... Tork Kolu
Reaction arm



R15QFB... Giriş Mili
Input shaft

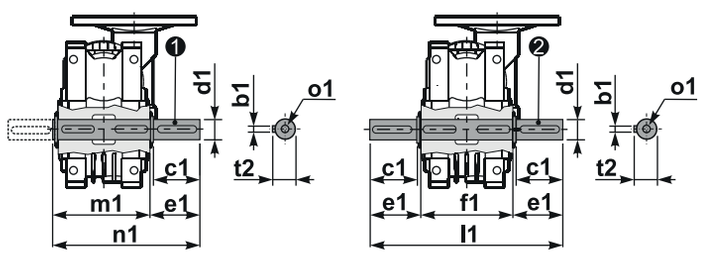




	ød	e	g	l	m	x	Kit Kodu
Tip **B**	16 h6	18	5	30	79.5	M6x16	❶ K050.5.006 PAM71 ❷ K050.5.007 PAM80
Tip **S**	14 h6	16	5	30	79.5	M5x10	❶ KS050.5.008 PAM71 ❷ KS050.5.009 PAM80

P15Q.....**S**... Tek Çıkış Mili
Single Shaft

P15Q.....**D**... Çift Çıkış Mili
Double Shaft

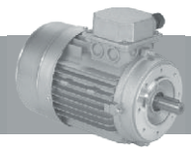


❶ Kit Kodu K110.5.028 Tip **B**

❷ Kit Kodu K110.5.029 Tip **B**

	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**	-	-	-	-	-	-	-	-	-	-

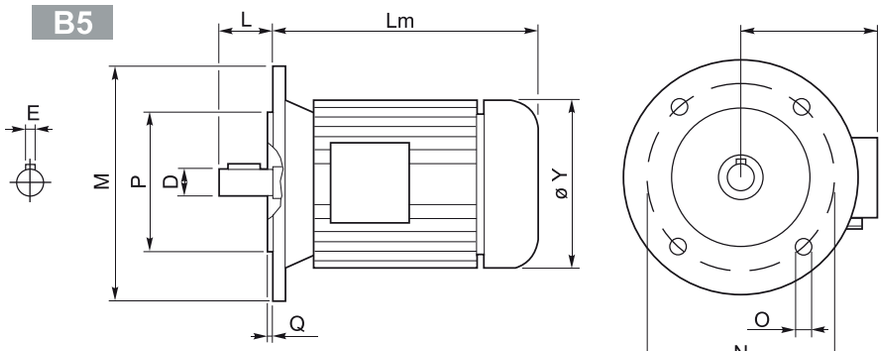
Alüminyum IEC Motorlar / *Aluminum IEC motors*



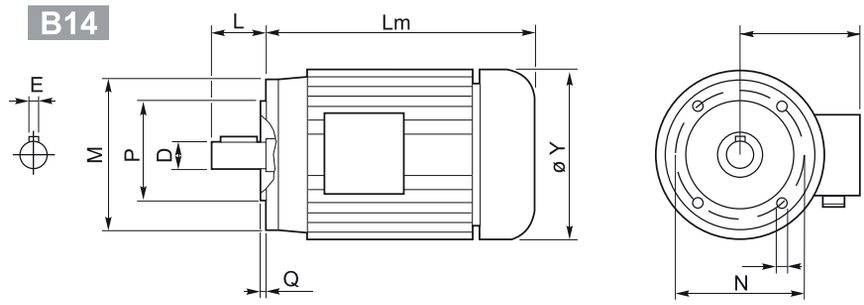
1) 230/400V - 50Hz 3 fazlı asenkron indüksiyon motoru
2) F klas izolasyon
3) S1
4) IP 55 koruma
5) Boyasız
6) Aktarım sırasında çıkış milini korumak için sert plastik kılıf

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

B5



B14



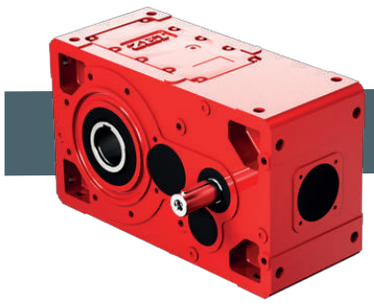
Dış ölçüler ve ağırlık üretici firmaya bağlı olarak farklılık gösterebilir
Outside dimensions and weight may be different according to manufacturers

	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				225	141	107											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				280													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				321	210	164											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																				
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

Notlar / ***Notes***

Notlar / ***Notes***

DİĞER 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

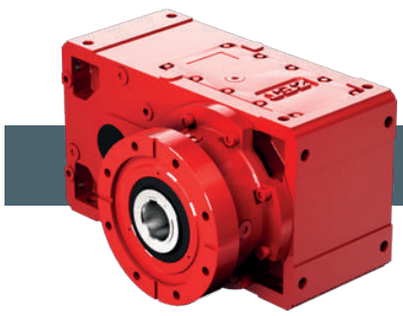
Monoblok Ağır Hizmet Tipi Konik Helisel Dişli Redüktörleri
MonoBlock Heavy Duty Type Bevel Helical Gearboxes

Tahvil Oranı *Ratio* : 6,00-130

Nominal Moment *Rated Torque* : 1750-73.000 Nm

Çıkış Mili Çapı *Output Shaft Diameter* : 60-180 mm



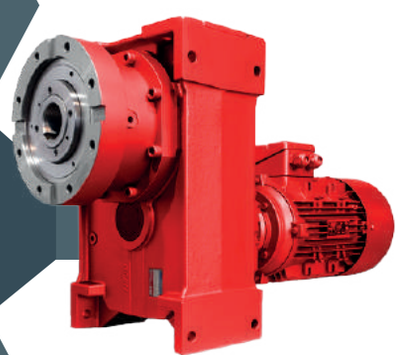


Monoblok Tek Vida Ekstruder Redüktörler
MonoBlock Single Screw Extruder Gearboxes

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 Redüktörler
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

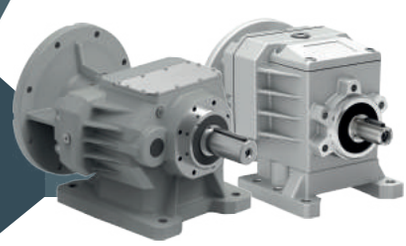


Sonsuz Vidali Redüktörler
Worm Gearboxes

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 Redüktörler
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

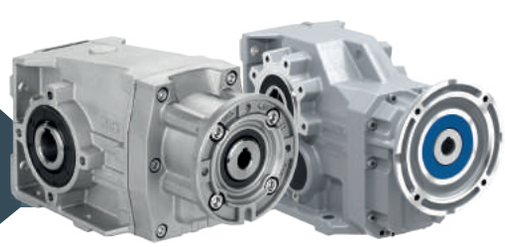


FA-FC Serisi Şaft Montajlı Redüktörler
FA-FC Series Shaft Mounted Gearboxes

Tahvil Oranı *Ratio* : 2,65-680

Nominal Moment *Rated Torque* : 2150-2100 Nm

Çıkış Mili Çapı *Output Shaft Diameter* : 30-50 mm

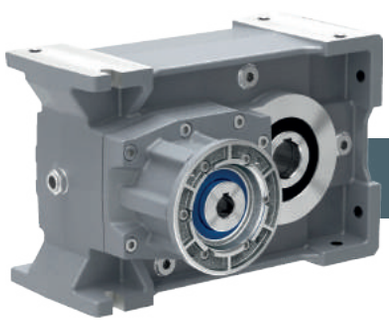


X serisi Konik Helisel Redüktörler
X Series Helical Bevel Gearboxes

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 Redüktörler
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

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