

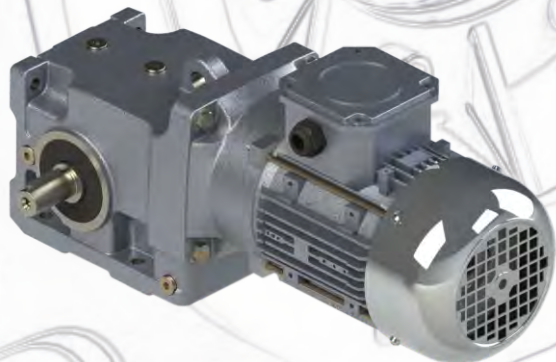
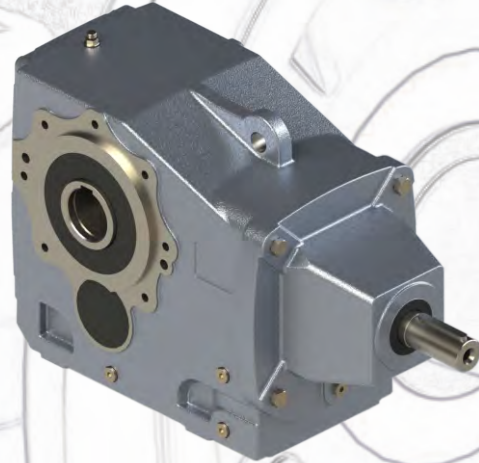
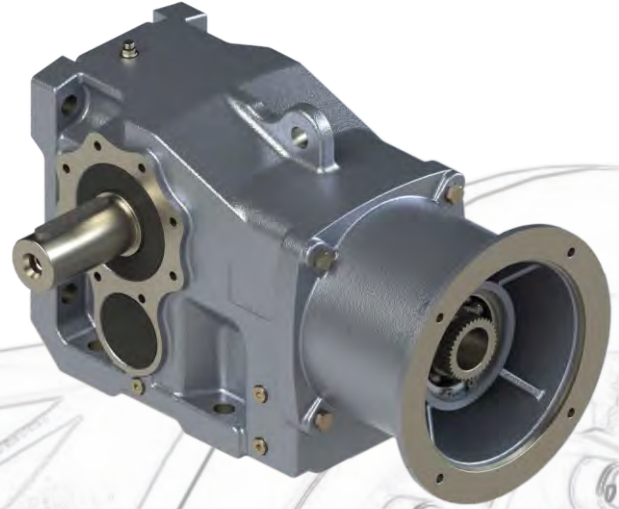
# PGR<sup>®</sup>

**Drive Technologies**

**HELICAL BEVEL GEAR UNITS**

*Helisel Konik Dişli Redüktör*

**PKD SERIES**



**K.No: PKD 02/2014**



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Seçim Raporu

Giriş verileri

Redüktör	Redüktör boyutluğu	n1	n2	M <sub>2</sub>	f <sub>s</sub>	Tahvil	P <sub>1</sub>	M
Polat - PKD Series								
PKD2390	1400	44.9	468	1.8	31.43	2.2	100	

Benzer ürünleri görmek için tıklayınız.

Konfigürasyon ve aksesuarlar

Montaj Tipi: Govdeden montajlı

Montaj Özelliği: DGKS-B14

Bağlantı Yönü: R

Koruma kapağı: KK

Montaj pozisyonu: M1

Redüktör tasarımı

PKD 2390 31.43 DG/KS-B14 R M 100L/4A M1

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PKD Helical Bevel Gear Units - Helisel Konik Dişli Ünitesi

Konfigürasyon

Seçilen redüktör: PKD 4390 195,09 TMA/B14 R MOTOR 90S/4A 2 M1

Tip: PKD

Kademe: 3

Govde Boyutluğu: 4390

Tahvil Oranı: 195,09

Montaj Tipi: Ayaktan montajlı

Redüktör Aksesuar: TMA/B14

Bağlantı Yönü: R

Giriş seçeneği: MOTOR

Motor özellikleri

Kutup sayısı: 4

Motor: 90S4

Motor gücü: 1.1

Motor gösterimi: 90S/4A

Frenli: BRE

Terminal kutusu pozisyonu: 2

Redüktör Montajı

Montaj pozisyonu: M1

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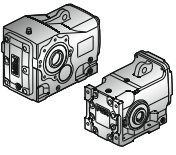
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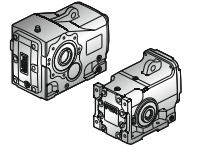




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## KALİTE POLİTİKAMIZ

POLAT GROUP REDÜKTÖR A.Ş. ürünlerinin kalitesinde en iyiyi yakalamak için; sektöründeki teknolojik gelişmeleri takip etmeyi, pazar payındaki istikrarını sürdürmek için müşterilerinin istek ve beklentilerine eksiksiz ve zamanında cevap vererek, sürekli artan müşteri memnuniyetini sağlamayı, eğitilmiş çalışanlarının performansını huzurlu bir çalışma ortamı sağlayarak arttırmayı ve bu şekilde kalite yönetim sistemini sürekli iyileştirmeyi kalite politikası olarak benimsemiştir.

## VİZYONUMUZ

Müşteri ve çalışan memnuniyetini en üst düzeyde tutan, gelişmeleri izleyen değil yaratan bir dünya şirketi olmaktır.

## MİSYONUMUZ

Müşterilerimizin ihtiyaçlarını karşılayacak çözümleri bilgi teknolojilerini kullanarak en verimli ve kaliteli şekilde sunmaktır.

Polat Group Redüktör olarak birçok farklı ürün yelpazesi ile, müşteri ihtiyacını maksimum seviyede karşılamak için eş zamanlı mühendislik yöntemlerini kullanarak çalışmalarını sürdürmektedir. Tasarım faaliyetleri, ürün geliştirme programları ve bilgisayar destekli çalışmalarımız sürekli gelişen bir grafik çizmektedir. Rekabetçi ve güçlü kalite politikamız müşteri yelpazemizi genişletmektedir.

## OUR QUALITY POLICY

To achieve the best quality of its products, POLAT GROUP REDÜKTÖR A.Ş. adopts with its own quality politics by following the technological developments of its sector, in order to keep up the stabilization on its own market share ensuring the customers' gladness increasing permanently by answering the customers' wishes and expectations completely at the right time, to have the well-educated staffs increase their performance by providing a peaceful working place and making better the quality management system all the time.

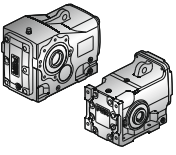
## OUR VISION

Our vision is to become a world company which keeps the customer satisfaction at the top level and which does not only follow the developments but also creates the developments itself.

## OUR MISSION

Our mission is to provide the solutions to our customers in most efficient and qualified way by make use of the information technologies.

Our reducer group carries out its works using simultaneous engineering methods in order to meet the demands of our customers by presenting several different product ranges. Promotion activities, product development programmes and computer supporting work show a continuously growing chart. Our competitive and strong quality policy is to develop our customer spectrum.



## Teknik Açıklamalar

### Dişli Ünitesini Seçme

Bir dişli ünitesini seçerken PGR üç fazlı asenkron AC motorlarını veya tek fazlı AC motorları kullanılır ve teknik olarak kıyaslanabilen motorlar için de geçerlidir. Başka motorlar kullanırken, lütfen PGR'e danışınız. Bir dişli ünitesini seçme ile ilgili aşağıdaki önemli ana esaslara bağlı kalınmazsa, aşırı bir yük durumunun olması muhtemeldir. Bu durumda, tüm garantiler geçersizdir. Şüpheli durumda, lütfen dişli ünitesi tasarımını kontrol etmek için birlikte çalışabileceğiniz teknik bilgilerden sorumlu PGR satış ofisi ile irtibata geçiniz. Karşılıklı çıkarlarımız a dışından, dişli ünitesinde aşırı yüklemenin neden olduğu tüm problemler her durumda önlenmelidir.

### Kriter

Seçme kriteri aşağıdakilerden oluşur:

1. Termal olarak transfer edilebilen güç (termal sınır)  
Dişli ünitesinin aşırı ısınmaması için, bu güç transferi (3 saat) daha uzun bir çalışma zamanını aşmamalıdır. Termal olarak transfer edilebilen güç sadece PA\PF 62, PD\PM 62 ve daha büyük (iki kademeli dişli üniteleri için) gövdeler ve PA\PF 73, PD\PM 73, PKD 6390 - 7390 ve daha büyük gövdeler (üç kademeli dişli üniteleri için) için olası bir sınırı gösterir. Aşağıdaki maddelerden iki veya daha fazlasının geçerli olması durumunda çalışma durumunu kontrol ediniz.

- Ortam sıcaklığı  $> 40^{\circ}\text{C}$
- Dönme hızı  $n_1 > 1500 \text{ d/bk}$
- Motor gücü  $P_1 > 100 \text{ kW}$
- W kovanlı ve IEC adaptörlü redüktörler
- Dik olarak montajı yapılan redüktörler ( sayfa 41 - 42 )
- Tahvil oranı  $i_{\text{top}} < 20$  (Polat konik dişlili için  $i_{\text{top}} < 40$ )

2. Mekanik olarak transfer edilebilen güç "P"  
Bu güç, katalogdaki ilgili tablodaki servis faktörü  $f_B$  tarafından göz önüne alınır. Bir sonraki bölüm, gerekli servis faktörünün saptanmasını tanımlar.

Genel olarak, dişli ünitesi ekleme, ısı radyasyonu, dar yer vs. gibi özel montaj koşulları olduğunda bize danışınız. Özel ölçüler (veya yağ soğutucusu) termal aşırı yüküne karşı var olduğunda; lütfen PGR'e danışınız.

### Giriş gücü ve servis faktörü

Her bir uygulama için gerekli giriş gücü, hesaplama ile saptanır. Motor anma gücü ( $P_1$ ), bu giriş gücünden sonra seçilir. Normal olarak, belirli uygulamalarda özel çalışma koşullarına ait güvenlik faktörlerinin gözleneyeceği ve anma motor çıkış seviyeleri genellikle standart çıkış seviyesi aralığında olduğu için motorun anma gücü istenilen güçten biraz daha yüksektir.

Montajı yapılacak 3 fazlı bir AC motorun anma gücünü seçerken kısa dönem ve seyrek tork tesirini göz önüne almak gerekmez. Bir frekans inventörü üzerindeki 3 fazlı bir AC motor çalıştırırken ilave faktörler anma çıkış gücünün seçimini etkiler. Motorun aksine, kısa dönem ve seyrek tork tesiri önemli derecede dişli ünitesinin seçimini etkiler. Dişli ünitesi servis faktörü  $f_B$  bu kısa dönem ve seyrek tork tesirini ve ayrıca yeterli doğrulukla dişli ünitesi üzerindeki etkileri göz önüne alır.

4. sayfadaki **diyagram 1** çalışma saatine veya güne bağlı olarak yük sınıflandırması, devir ve minimum servis faktörü arasındaki ilişkiyi sunmaktadır.

## Explanatory Notes

### Selecting of Gear Unit

Gear unit selection includes PGR's three-phase AC motor or single phase AC motor and technically equal different motor could be applied. When you apply different motor please contact with PGR. There are some condition for selecting gear unit and these condition must be considered overloading could be effected badly if restrictions are not considered. In these situation, all guarantees could be invalidated. Under suspicious situation please refer to PGR sales office department which is responsible for giving technical information to you.

### Conditions

Conditions of selecting gear unit;

1. Thermal Limit  
Thermal transfer power should not be exceeded over running time (3 hours) for prevent overheated gear unit. In larger gear unit size this condition is important and units have thermal limit for instance PA\PF 62 and greater unit size, PA\PF 73, PD\PM 73, PKD 6390-7390. For these problems, you must check ambient and some other conditions which are explained below. Any suspicion please contact with PGR.

- Ambient temperature  $> 40^{\circ}\text{C}$
- Rotational speed  $n_1 > 1500 \text{ min}^{-1}$
- Input power  $P_1 > 100 \text{ kW}$
- With W-cylinder and IEC adapter gear units
- Vertical mounting position ( see page 41 - 42 )
- Reduction ratio  $i_{\text{top}} < 20$  (for helical-bevel gear units  $i_{\text{top}} < 40$ )

2. Power transfer with service factor "P"  
Service factor  $f_B$  is important for power transfer, determination of minimum service factor will be given at following information.

For every operating conditions; eg. heat radiation in bounded field (place) which is required special devices (oil cooler or water cooler) for that reason please contact with PGR.

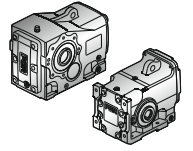
### Input power and service factor

For every application requiring input power could be detected or determined by calculation. After determination input power, rated motor power ( $P_1$ ) is defined. Motor power is greater than require input power due to safety factor is used according to operating conditions.

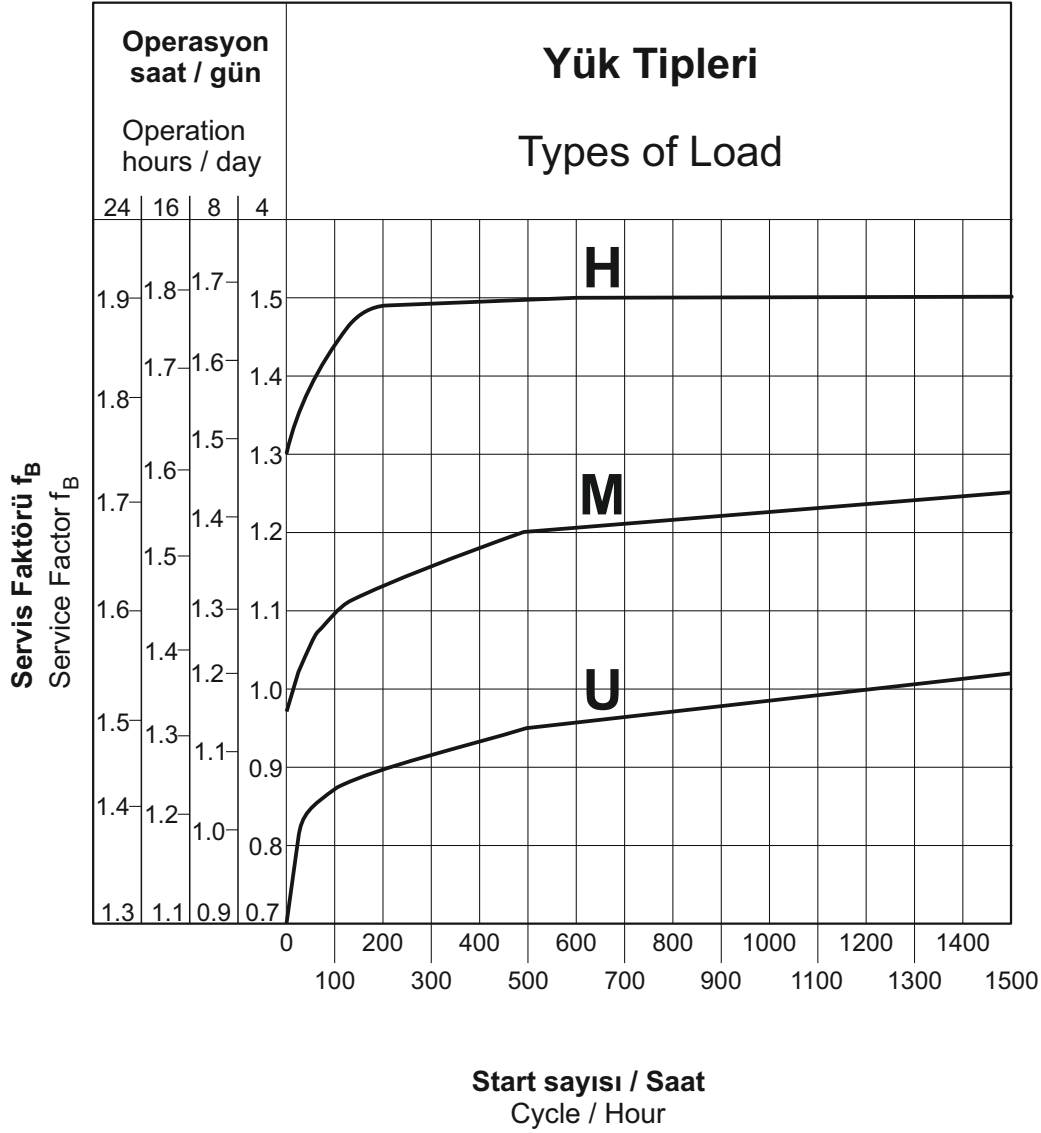
Selecting a motor type is important for right calculation for instance; three phase AC motor which is mounted to gear unit, affecting infrequent torque could not be considered but if you mount three-phase AC motor on frequency inverter latest available factor effects the output power. Besides of motor type short and infrequent torque impression effects selecting gear unit for that service factor is considered.

**Diagram 1** which is shown on page 4, presents relation between types of load, revolution per hour and minimum service factor depend on operation hours or day.





Diyagram - 1



Diyagram 1, günlük çalışma zamanına bağlı gerekli minimum servis faktörü  $f_{B \min}$ , 'Z' saatteki çevrimleri, ve uygulama yükü sınıflandırması 'U', 'M', 'H' gösterir. Çalışma düzgünlüğüne ve kütle hız faktörüne bağlı olarak, üç yük sınıflandırması belirlenmiştir. Hareket ettiren makineden gelen etkiler çalışma düzgünlüğü sınıflandırmasında tanımlanırken, kütle hız faktörü en fazla olan yük üzerinde etkili olur.

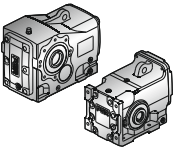
**Not :** Elde edilen servis faktörü  $f_B$  kullanılan sürücü (tahrik) tipine göre "k" katsayısı ile çarpılır.

k = 1 ; elektrik motoru veya hidromotor,  
k = 1.25 ; çok silindirli içten yanmalı motor,  
k = 1.50 ; tek silindirli içten yanmalı motor

Diagram 1 shows requiring minimum service factor depend on revolution per hours 'Z' and types of load 'U', 'M' or 'H'. In following information mass acceleration factor will be explained how it effects to or relation between load classification. Forces or loads which are applied from driven machine to gear unit while determine load classification, mass acceleration factor is played important role on the high load classification which is designated with 'H' sign.

**Note :** Service factor  $f_B$  which is acquired from diagram should be modified with factor "k" that, depends on driver type.

k = 1 ; hydraulic motor and electrical motor  
k = 1.25 ; multi-cylinder engine  
k = 1.50 ; single-cylinder engine



## Dişli Ünitesini Seçme

Bir çalışmanın sınıflandırılması :

### a) Düzgün çalışma

Küçük karıştırıcılar, asansörler, konveyörler, montaj bantları, doldurma makinaları, bantlı konveyörler, temizleme makinaları, fanlar, test makinaları.

### b) Yumuşak şoklar, düzgün olmayan çalışma

Ağır konveyör bantları, değirmenler, ahır gübre makinaları, vinç hareketli mekanizmalar, bükme makinaları, çimento karıştırıcılar, dişli makinaları, ahşap işleme makinaları için sürücüler, vinçler, kayar kapılar, dengeleme makinaları.

### c) Ağır şoklar, aşırı düzgün olmayan çalışma

Taş kırıcılar, eksantrik presler, doğrayıcılar, presler, taşlama milleri, çekiçli kırıcılar, kağıt öğütücüler, ağır karıştırıcılar, delme makinaları, katlama makinaları, dönen tezgahlar, yatay karıştırıcılar, kesiciler, vibratörler, santrifüj makinaları, döner tablalar.

Yük sınıflandırması, çalışma düzgünlüğünden ve aşağıdaki tabloya göre kütle hız faktörü 'm<sub>af</sub>' den belirlenir. Burada, çalışma veya kütle hız faktöründen gelen daha yüksek sınıf yük sınıflandırmasında geçerlidir. (Örnek: aşırı düzgün olmayan çalışma ve m<sub>af</sub> = 3,8 gibi bir durumda yük sınıfı 'H' olarak belirlenir.

Yük Sınıfı	Çalışma	Kütle hız faktörü
<b>U</b>	Düzgün çalışma	m <sub>af</sub> ≤ 0.25
<b>M</b>	Düzgün olmayan çalışma	0.25 < m <sub>af</sub> ≤ 3
<b>H</b>	Aşırı düzgün olmayan çalışma	3 < m <sub>af</sub> ≤ 10

## Selecting a Gear Unit

Operation classification;

### a) Uniform application

Small agitators, elevators, conveyors, assembly belts, filling machines, conveyor belts, cleaning machines, fans, testing machines.

### b) Moderate shocks, non-uniform application

Heavy conveyors belts, mills, stall dunging machines, crane traveling mechanisms, bending machines, cement mixers, gear pumps, decoilers, tapping units, packaging machines, feed drives for wood processing machines, hoists, winches sliding doors, balancing machines.

### c) Heavy shocks, extreme non-uniform application

Stone crusher, eccentric presses, choppers, presses, grinding mills, hammer mills, shredders, heavy mixers, punching machines, folding machines, rolling stands, tumbling barrels, shears, vibrators, centrifuges, roller tables.

Load classification is obtained from operation class and mass acceleration factor (m<sub>af</sub>). For this reason in any situation which factor is greater than other you must take for calculation. (Eg; heavy - shock and m<sub>af</sub> = 3,8 load classification must be 'H')

Load Classification	Operation	Mass Acceleration Factor
<b>U</b>	Uniform application	m <sub>af</sub> ≤ 0.25
<b>M</b>	Non-uniform application	0.25 < m <sub>af</sub> ≤ 3
<b>H</b>	Extreme non-uniform application	3 < m <sub>af</sub> ≤ 10

$$m_{af} = \frac{J_{ex.red}}{J_{mot}} = \frac{J_{ex}}{J_{mot}} \times \left( \frac{1}{i_{ges}} \right)^2$$

i<sub>ges</sub> = Toplam dişli ünitesi oranı  
J<sub>ex.red</sub> = Hareket motoru üzerindeki azaltılmış tüm dış kütle atalet momenti  
J<sub>ex</sub> = Tüm dış kütle atalet momenti  
J<sub>mot</sub> = Motorun kütle atalet momenti

i<sub>ges</sub> = Total gear unit ratio  
J<sub>ex.red</sub> = All external mass moment of inertia on the drive motor, reduced  
J<sub>ex</sub> = All external mass moment of inertia  
J<sub>mot</sub> = Mass moment of inertia of the motors

Kütle hız faktörü m<sub>af</sub>, çıkış tarafındaki dış kütleler ile giriş tarafındaki yüksek hız kütlelerin arasındaki ilişkiyi gösterir. Kütle hız faktörü, başlatma ve frenleme işlemlerine ve titreşime göre dişli ünitesindeki tork tesir seviyesini önemli derecede etkiler. Örneğin; bantlı konveyör sistemlerinde dış kütle atalet momenti taşınan ürün kadar yük uygular. m<sub>af</sub> > 10 ise, transfer elemanlarında büyük bir oynama, yük sınıflamasında belirsizlik varsa veya şüphedeyseniz, PGR'e danışınız.

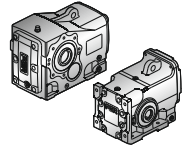
Servis faktörü f<sub>B</sub>, maksimum dişli ünitesi çıkış momenti M<sub>amax</sub> ile montajlanmış motor gücü P<sub>1</sub>, çıkış hızı n<sub>2</sub> ve dişli ünitesi verimi (η) sonucu ortaya çıkan momenti M<sub>a</sub> arasındaki ilişkidir.

Technically mass acceleration factor m<sub>af</sub> mass different between external output-side and high speed input-side. m<sub>af</sub> is played important role at the level of torque propulsive in the gear unit. It is mostly effected at start-up, braking operation and vibration. Please contact with PGR where m<sub>af</sub> is greater than 10 and large play in transfer elements and vibration in the system.

Calculation of service factor is illuminated below. It depends on maximum output moment of gear unit and the output moment which is calculated from motor power, rotation speed and efficiency.

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta \text{ [Nm]}}{n_2}, P_1 \text{ [kW]}, n_2 \text{ [min}^{-1}\text{]}$$

$$f_B = \frac{M_{amax}}{M_2}$$



$$P_1 = \frac{M_2 \cdot n_2}{9550} \cdot \eta \text{ [ kW ]}, M_2 \text{ [ Nm ]}, n_2 \text{ [ min}^{-1}\text{]}$$

Dişli ünitesini doğru şekilde seçtiğinizde, çıkış ve hız genel açıklamalarından alınan servis faktörü  $f_B$ , diyagram 1'e göre minimum servis faktörü  $f_{B \min}$ 'den büyük veya eşittir.

If the selecting gear unit is right, service factor which is taken from selection of gear motors table, must be greater than minimum service factor  $f_{B \min}$  which is taken from diagram-1 (see page 4) according to types of load.

$$f_B \geq f_{B \min}$$

Helisel, paralel mil ve helisel konik dişli ünitelerinde her bir kademe için çok yüksek bir seviyede verimlilik vardır (her bir kademe için yaklaşık %98 veya  $\eta = 0,98$ ). Bu yüzden hesaplamalarda verim  $\eta = 1,0$  alınması yeterli doğru sonuçlara ulaşılmaya yardımcı olur. Helisel sonsuz dişliler ile ilgili dişli ünitesi verimliliği, her bir çıkış hızı  $n_2$ 'ye ait çıkış ve diş oran tablolarında listelenmiştir. W kovanı montajlı (serbest hareket mili) redüktörde çıkış gücü aşağıdaki formülden hesaplanır.

Efficiency is approximately 98% at helical, helical bevel parallel shaft gear units. For that reason efficiency could be taken  $\eta = 1$  it shows that efficiency does not effect the calculation. But, for helical worm gear efficiency is given at table which is depended on output speed and gear ratio.

With W cylinder (free drive shafts) ;

$$P_1 = \frac{M_{amax} \cdot n_2}{9550 \cdot f_{B \min}} \cdot \eta \text{ [ kW ]}, M_{amax} \text{ [ Nm ]}, n_2 \text{ [ min}^{-1}\text{]}$$

Burada, azami hareket gücü  $P_{1 \max}$  aşılamaz.

Value which calculated from equation  $P_1$ , must be less than  $P_{1 \max}$  which is taken from the selection of W cylinder tables.

$$P_1 \leq P_{1 \max}$$

W ve IEC tipi redüktörler için performans tablosunda her bir çıkış devri  $n_2$ , maksimum çıkış momenti  $M_{amax}$ , maksimum motor gücü  $P_{1 \max}$  listelenmiştir.

$P_{1 \max}$  is shown at performance table for W cylinder (with free input shaft) and IEC adapter.

Hareketli tarafa fren bağlandığında, (frenli motorlar gibi) fren momenti de bir dişli ünitesini seçmede göz önüne alınmalıdır. Gezinti hareketleri, çember dişliler, döner tablolar, kapı hareketleri, karıştırıcılar ve yüzey havalandırıcı ile ilgili uygulamalarda sıkça karşılaşılan yüksek dış kütle atalet momentli ( $m_{af} > 2$ ) kullanımlarda frenleme momentinin, seçilen anma momentinin 1,2 katını aşmamasını öneririz. Daha yüksek frenleme torkları kullanılacaksa, bu durum dişli ünitesini seçerken göz önünde bulundurulmalıdır. Lütfen PGR'e danışınız.

However in selecting gear units brake can be equipped optionally and it is attached to the shaft or solid. It must be considered because of break torque. Application which have high external mass moment of inertia such as  $m_{af} > 2$ . We suggest break torque does not overrun 1,2 times motor torque.

### Radyal ve Eksenel Kuvvetler

Çıkış momenti ve hız genel açıklamalarındaki tablolarda, çıkış mili üzerine izin verilen radyal kuvvetler  $F_R$  ve eksenel kuvvetler  $F_A$  listelenmiştir. Tercihen güçlendirilmiş çıkış mili yatakları bir çok dişli ünitesi tipi için geçerlidir. Güçlendirilmiş yataklardaki radyal ve eksenel kuvvetler tablolarda  $F_{RGR}$  ve  $F_{AGR}$  olarak belirtilmiştir. Listelenen radyal ve eksenel kuvvetler, mil çıkışlı ayak ve flanş bağlantılı dişli üniteleri için uygulanır. Radyal ve eksenel kuvvetler, bu kuvvetlerden biri 0 (sıfır)'a eşit iken hesaplanmıştır.

Ayrıca, radyal ve eksenel kuvvetlere ait bir servis faktörü  $f_B = 1$  çıkış gücü ve devir açıklamalı genel tablolarda verilen kuvvetlerin temeline dayanır. Darbeli tipli kuvvetlerin olduğu ve aşırı çalışmalı ( $> 8$  saat/gün) uygulamalarda uygun servis faktörü  $f_B > 1$  radyal ve eksenel kuvvetler için de gözönünde bulundurulmalıdır. İzin verilen kuvvetler  $F_A$  ve  $F_R$  belirli oranda azaltılır.

### Axial and Radial Forces

Permissible forces on the output shaft are given at the selection of gear motor.  $F_R$  represents radial load and  $F_A$  represents axial load.  $F_{RGR}$  and  $F_{AGR}$  represents permissible load with reinforced bearings. This values are calculated when one of them is equal to zero.

In selection of gear motor tables service factor is given with permissible axial and radial load but it must be considered when operating times is greater than 8 hours and service factor must be greater than 1 for that reason permissible radial and axial loads are reduced.



Listelenen radyal kuvvetler, milin ucunun orta kısmında etki eden bir kuvvete karşılık gelir. İzin verilen kuvvetleri saptarken, uygulanan kuvvetin hiç istenmeyen yönü ve dönme yönü varsayıldı. Tam bir hesaplama için, daha yüksek radyal ve eksenel kuvvetler muhtemeldir. Bu yüzden lütfen bize istenen servis süresinin yanısıra gerçek güç ve dönme yönünün detaylarını da belirtiniz.

Transfer elemanları, çıkış miline eklenirse, ilgili faktör  $f_z$  radyal kuvveti saptamada göz önüne alınmalıdır.

**$f_z$  için Tablo**

Transfer Elemanları	Faktör $f_z$	Açıklama
Dişliler	1.1	$z \leq 17$ diş
Zincir Dişliler	1.4	$z \leq 13$ diş
Zincir Dişliler	1.2	$z \leq 20$ diş
Dar V-Kayış Makaralar	1.7	ön gerilim kuvveti
Düz kayış Makaralar	2.5	

Mil üzerinde ortaya çıkan radyal kuvvet, aşağıdaki formül kullanılarak hesaplanmıştır.

$$F_{Rvorth} = \frac{2 \cdot M_2}{d_o} f_z \leq F_R$$

$M_2$  : Dişli ünitesi çıkış momenti [Nm]  
 $f_z$  : Tablodan alınan katsayı  
 $d_o$  : Etkili daire çapı [mm]  
 $F_R$  : Devir ve çıkış gücü tablolarından alınan müsaade edilebilir radyal kuvvet [kN]  
 $F_{Rvorth}$  : Mil üzerindeki radyal kuvvet [kN]

Kuvvet mil ortasına uygulanmazsa, herhangi bir 'X' noktasında izin verilen radyal kuvvet **formül I ve II** kullanılarak hesaplanır.

**Formül / Equation - I**

$$F_{RXL} = F_R \cdot \frac{z}{y + x}$$

**Formül / Equation - II**

$$F_{RXW} = \frac{c}{(f + x) \cdot 1000}$$

X mil faturasından kuvvet uygulama noktasına olan uzaklık [ mm ]  
 X Noktası - mil kararlılığı  
 $F_{RW}$  izin verilen radyal yük [ kN ]  
 $F_R$  hız ve çıkış tabloları ve milin ortasına uygulanan kuvvetten alınan radyal kuvvet [ kN ]  
 X Noktası - yatak servis ömrü  
 $F_{RXL}$  izin verilen radyal yük [ kN ]

X distance from the shaft collar to the point of force application [ mm ]  
 point X - shaft stability  
 $F_{RXW}$  permitted overhung force [ kN ]  
 $F_R$  overhung force from the speed and output tables, force applied at shaft middle [ kN ]  
 point X - bearing service life  
 $F_{RXL}$  permitted overhung load [ kN ]

c	[Nmm]
$C_{GR}$	[Nmm]
f	[mm]
y	[mm]
z	[mm]



Belirtilmemiş ki, hesaplamalarda **formül I** yatak servis ömrünü, **formül II** ise mil kararlılığını hesaplamada kullanılır. Hesaplamalar sonucunda küçük değer dikkate alınmalıdır.

Axial and radial forces are calculated where force acting on the middle of the shaft end see page 37. Direction of rotation is played important role in calculation. For that reason this forces are calculated and result's value is found from forces to the shaft worse. Hence, please explain details in your orders.

For belt-pulleys operations or any other motion transfer applications  $f_z$  factor must be considered while calculating radial and axial load.

**$f_z$  values are shown at table.**

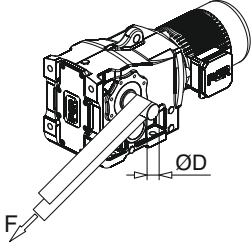
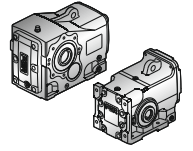
Transfer Elements	Factor $f_z$	Notice
Gears	1.1	$z \leq 17$ diş
Sprockets	1.4	$z \leq 13$ diş
Sprockets	1.2	$z \leq 20$ diş
Narrow V-belt pulleys	1.7	by
Flat belt pulleys	2.5	Pre-Tensioning

Radial load is determined with following equation;

$M_2$  : Output torque of gear unit [Nm]  
 $f_z$  : Factor which is taken from table  
 $d_o$  : Effective circular diameter [mm]  
 $F_R$  : Permitted radial force which is taken from the speed and output moment tables. [kN]  
 $F_{Rvorth}$  : Radial force on the gear unit shaft [kN]

Equation which is determined above is used for when force is not acting on the middle of shaft at other situations following equation is applied.

Notify that, **equation I** and **equation II** are applied for calculating radial load where **equation I** is used for service life and **equation II** is used for shaft stability. But small result must be considered.

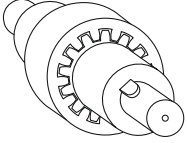


### RADYAL YÜKLERİN HESABI

Radyal yük  $F_R$  (N)' nin hesaplanmasında gerekli tahrik momenti  $M_a$  (Nm), kasnak veya dişli çapı  $D$  (mm) olmak üzere aşağıdaki formüller kullanılır.

### CALCULATION OF OVERHUNG LOADS

Radial load  $F_R$  (N) is calculated with the following equations where required moment  $M_a$  (Nm) and hoop or gear diameter  $D$  (mm) is used.

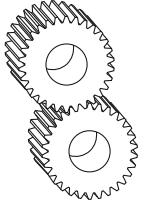


#### 1 - Elastik Kaplin

Çalışma sırasında oluşan sapmalar kaplinin güvenlik sınırları içerisinde ise kuvvetler ihmal edilebilir.

#### 1 - Elastik Coupling

If elastic coupling is working in its reliable working area, the overhung loads can be neglected.



#### 2 - Düz Dişli (20° kavrama açılı)

$$F_R = \frac{2100 \times M_a}{D}$$

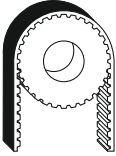
#### 2 - For Spur Gear (Pressure angle 20°)



#### 3 - Küçük Hızlarda Zincir Dişli (Z < 17)

$$F_R = \frac{2100 \times M_a}{D}$$

#### 3 - For Chain Drive With Low Speed (Z < 17)



#### 4 - Triger Kayış

$$F_R = \frac{2500 \times M_a}{D}$$

#### 4 - For Triger Belt



#### 5 - V Kayış

$$F_R = \frac{5000 \times M_a}{D}$$

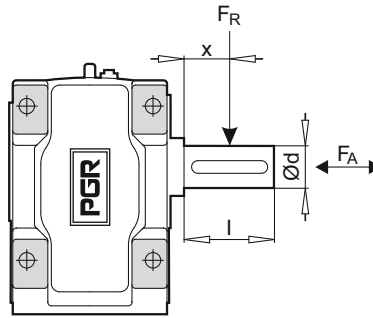
#### 5 - For V Belt



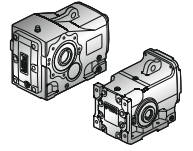
#### 6 - Gerdirme Makaralı Kayış

$$F_R = \frac{5000 \times M_a}{D}$$

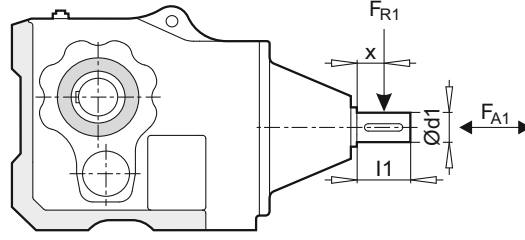
#### 6 - Flat Belt With Spanning Puley



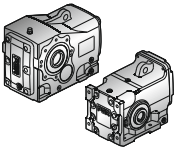
ÇIKIŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER							
VALUE TABLE FOR RADIAL AND AXIAL LOADS AT OUTPUT SHAFT							
Redüktör Tipi Gearbox Type	y (mm)	z (mm)	c Normal Normal (Nmm)	C <sub>GR</sub> Güçlendirilmiş Reinforced (Nmm)	f (mm)	d (mm)	l (mm)
PKD A 0290	95.0	115.0	0.06 x 10 <sup>6</sup>	—	0	20	40
PKD B 0290	111.0	131.0	0.05 x 10 <sup>6</sup>	—	0	20	40
PKD C 1290	128.0	153.0	0.08 x 10 <sup>6</sup>	—	0	25	50
PKD F 4290	136.0	166.0	0.12 x 10 <sup>6</sup>	—	0	30	60
PKD H 5290	153.0	188.0	0.16 x 10 <sup>6</sup>	—	0	35	70
PKD 1390 - PKD 1490	111.0	141.0	0.14 x 10 <sup>6</sup>	0.24 x 10 <sup>6</sup>	0	30	60
PKD G 1390 - PKD G 1490	111.0	146.0	0.25 x 10 <sup>6</sup>	0.41 x 10 <sup>6</sup>	0	35	70
PKD 2390 - PKD 2490	144.0	179.0	0.17 x 10 <sup>6</sup>	0.30 x 10 <sup>6</sup>	0	35	70
PKD 3390 - PKD 3490	171.5	216.5	0.29 x 10 <sup>6</sup>	0.58 x 10 <sup>6</sup>	0	45	90
PKD 4390 - PKD 4490	181.0	241.0	1.22 x 10 <sup>6</sup>	1.99 x 10 <sup>6</sup>	0	60	120
PKD 5390 - PKD 5490	237.0	307.0	1.75 x 10 <sup>6</sup>	3.08 x 10 <sup>6</sup>	0	70	140
PKD 6390	281.0	366.0	4.49 x 10 <sup>6</sup>	7.05 x 10 <sup>6</sup>	0	90	170
PKD 7390	281.0	366.0	4.49 x 10 <sup>6</sup>	7.05 x 10 <sup>6</sup>	0	90	170
PKD 8390	326.7	431.7	8.36 x 10 <sup>6</sup>	12.82 x 10 <sup>6</sup>	0	110	210
PKD G 8390	422.0	527.0	9.56 x 10 <sup>6</sup>	15.60 x 10 <sup>6</sup>	0	120	210
PKD 9390	515.0	640.0	14.40 x 10 <sup>6</sup>	24.61 x 10 <sup>6</sup>	0	140	250
PKD G 9390	550.0	710.0	48.73 x 10 <sup>6</sup>	—	0	140	320



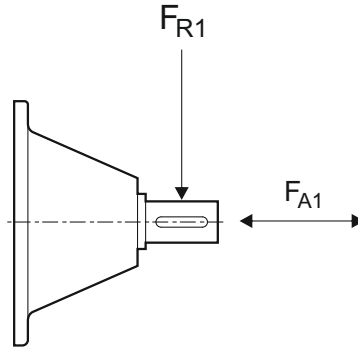
## W



GİRİŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER VALUE TABLE FOR RADIAL AND AXIAL LOADS AT INPUT SHAFT $f=0$					
Helisel konik redüktör Helical bevel gearboxes	y (mm)	z (mm)	c (Nmm)	d1 (mm)	l1 (mm)
PKD A 0290 PKD B 0290	58.5	78.5	$0.027 \times 10^6$	14	40
PKD C 1290	58.5	78.5	$0.037 \times 10^6$	16	40
PKD F 4290	59.5	79.5	$0.032 \times 10^6$	19	40
PKD H 5290	69.0	94.0	$0.109 \times 10^6$	24	50
PKD 1390 PKD G 1390 PKD 1490 PKD G 1490 PKD 2390 PKD 2490 PKD 3490	70.0	90.0	$3.64 \times 10^4$	16	40
PKD 3390 PKD 4490 PKD 5490	96.5	121.5	$1.07 \times 10^5$	24	50
PKD 4390 PKD 5390	110.5	150.5	$4.70 \times 10^5$	38	80
PKD 6390 PKD 7390	149.5	204.5	$4.60 \times 10^5$	42	110
PKD 8390 PKD G 8390 PKD 9390	207.5	277.5	$1.82 \times 10^6$	65	140
PKD G 9390	299.0	369.0	—	70	140



**W**



Tip Type	PKD A 0290 PKD B 0290		PKD C 1290		PKD F 4290		PKD H 5290		PKD 1390 PKD G 1390 PKD 2390 PKD 1490 PKD G 1490 PKD 2490 PKD 3490		PKD 3390 PKD 4490 PKD 5490		PKD 4390 PKD 5390		PKD 6390 PKD 7390		PKD 8390 PKD G 8390 PKD 9390 PKD G 9390			
	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	
P <sub>1</sub> (kW)	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>	F <sub>A1</sub>	F <sub>R1</sub>
0.12	1.2	0.55	1.2	0.85	2.9	2.13	3.7	2.3	1.2	0.85	2.9	2.1	-	-	-	-	-	-	-	-
0.18	1.1	0.54	1.1	0.82	2.9	2.1	3.5	2.2	1.1	0.82	2.9	2.1	-	-	-	-	-	-	-	-
0.25	1.0	0.53	1.0	0.78	2.8	2.1	3.2	2.1	1.0	0.78	2.8	2.1	-	-	-	-	-	-	-	-
0.37	0.89	0.50	0.89	0.75	2.6	2.1	3.1	2.1	0.89	0.75	2.6	2.1	4.1	2.1	-	-	-	-	-	-
0.55	0.77	0.47	0.77	0.72	2.5	2.0	3.0	2.2	0.77	0.72	2.5	2.0	3.9	2.8	-	-	-	-	-	-
0.75	0.58	0.44	0.58	0.70	2.3	1.9	2.8	2.0	0.58	0.70	2.3	1.9	3.8	2.4	6.1	4.4	-	-	-	-
1.10	0.35	0.37	0.35	0.61	2.1	1.8	2.6	1.9	0.35	0.61	2.1	1.8	3.5	2.7	5.9	4.3	-	-	-	-
1.50	0.29	0.30	0.29	0.43	2.0	1.8	2.4	1.9	0.29	0.43	2.0	1.8	3.3	2.6	5.8	4.2	-	-	-	-
2.20	-	-	0.20	0.42	1.7	1.7	2.2	1.8	0.20	0.42	1.7	1.7	2.7	2.4	5.5	4.1	-	-	-	-
3.00	-	-	0.15	0.23	1.5	1.6	2.0	1.8	0.15	0.23	1.5	1.6	2.5	2.3	5.2	3.9	4.3	11.0	-	-
4.00	-	-	-	-	0.98	1.1	1.9	1.6	-	-	0.98	1.1	2.3	2.1	4.9	3.7	4.2	10.9	-	-
5.50	-	-	-	-	0.66	1.0	1.8	1.5	-	-	0.65	1.0	1.6	1.8	4.4	3.4	4.1	10.8	-	-
7.50	-	-	-	-	0.45	1.0	1.5	1.3	-	-	0.27	1.0	1.4	1.3	4.3	3.4	3.8	10.4	-	-
9.20	-	-	-	-	0.28	0.74	1.1	1.0	-	-	-	-	1.0	0.98	3.9	3.1	3.6	10.1	-	-
11.0	-	-	-	-	-	-	-	-	-	-	-	-	0.59	0.47	3.3	2.7	3.4	9.9	-	-
15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	2.7	3.1	9.5	-	-
18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	2.3	3.0	9.3	-	-
22.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	1.8	2.9	9.3	-	-
30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1.2	2.3	8.4	-	-
37.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	0.87	2.0	8.1	-	-
45.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	8.3	-	-
55.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	7.4	-	-
75.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.78	4.6	-	-
90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	5.2	-	-
110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

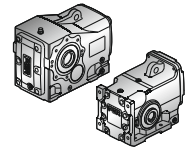
F<sub>A1</sub> → F<sub>R1</sub> = 0

F<sub>R1</sub> → F<sub>A1</sub> = 0



7





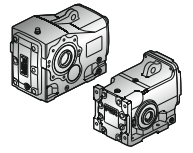
<b>f<sub>B</sub></b> = Servis Faktörü (Mamax / Ma)	<b>f<sub>B</sub></b> = Service factor (Mamax / Ma)
<b>F<sub>A</sub></b> = Çıkış tarafındaki müsaade edilebilir aksel yük [ kN ]	<b>F<sub>A</sub></b> = Permissible thrust load at the output side [ kN ]
<b>F<sub>R</sub></b> = Çıkış tarafındaki, milin orta noktasına etkiyen müsaade edilebilir radyal yük [ kN ]	<b>F<sub>R</sub></b> = Permissible overhung load at the output side, force acting at the shaft's midpoint [ kN ]
<b>i<sub>toplam</sub></b> = Dişli ünitesindeki toplam tahvil oranı	<b>i<sub>total</sub></b> = Gear units total ratio
<b>i<sub>ges</sub></b> = Tahvil oranı	<b>i<sub>ges</sub></b> = Reduction ratio
<b>M<sub>2</sub></b> = Çıkış momenti [Nm]	<b>M<sub>2</sub></b> = Output torque [Nm]
<b>M<sub>amax</sub></b> = Müsaade edilebilir maksimum çıkış momenti [Nm]	<b>M<sub>amax</sub></b> = Max. permissible output torque [Nm]
<b>n<sub>2</sub></b> = Çıkış hızı [ d/dk ]	<b>n<sub>2</sub></b> = Output speed [ min <sup>-1</sup> ]
<b>P<sub>e</sub></b> = Mamax referans alınarak hesaplanan güç [kW]	<b>P<sub>e</sub></b> = Calculated power [kW] with reference to Mamax
<b>P<sub>n</sub></b> = Motor güç oranı [kW]	<b>P<sub>n</sub></b> = Rated power of motor [kW]
<b>η</b> = Verim [ % ]	<b>η</b> = Efficiency [ % ]
<b>kg</b> = Redüktörün ağırlığı	<b>kg</b> = Weight of the geared motor

1) 4 ve 5 kademeli redüktörlerin 0,75 kW' a kadar 4 kutuplu olan motorlarında güç kaybı yaklaşık 40 W olarak hesaplanmıştır. Kayıp, motor hızına bağlı olarak o oranda değişir.

1) Gear units or gear motors which have 4 and 5 stage reduction 4 pole motor up to 0,75 kW losses are calculated nearly 40 W, losses are dependent motor speed.



**PGR<sup>®</sup>**  
**Drive Technologies**



**POLAT KONİK DİŞLİLİ REDÜKTÖR ( PKD )**  
**POLAT HELICAL BEVEL GEARED MOTOR ( PKD )**

Polat Group Redüktör ürünü olan Polat Konik Dişlili PKD serisini farklı tahvil oranları ile 17 farklı gövde büyüklüğünde hizmete sunmaktadır. PKD serisi, kullanıcılara yapısında bulunan konik dişlilerle kendisine verilen hareketin devrini düşürerek hareketin 90 derece çevirip aktarımını sağlar.

Yekpare gövde tasarımı PKD serisinde sağlam bir gövde yapısını sağlayarak dişliler arası eksen kaçıklığına neden olabilecek bağlantı elemanı ( vida v.b.) içermez. Döküm gövde salınım etkisini an azadır. Kullanıcı isteğine göre her iki yönde de sağlanan çıkış yaklaşık olarak % 96 gibi yüksek verim olanağı ile sunulmaktadır.

Fabrikamızda bulunan son sistem CNC tezgahlarında açılan dişliler yüksek imalat toleransı ile günümüzün uluslararası standartlarını karşılamaktadır. Dövme malzemedeki yapılan dişlerimiz gerekli ısıtma işlemi, sementasyon, honlama gibi proseslerden geçirilerek sessiz ve dayanımlı, uzun süre çalışabilen redüktörler imal edilmektedir. Bununla birlikte zorlu çalışma koşullarında güvenli çalışma sağlanır. PKD serisi redüktörlerimiz her türlü endüstriyel uygulamada kullanılabilir.

Bu eşsiz tasarımda temin ettiğimiz motorlu, W kovanlı veya IEC adaptörlü standart ürünlerimiz ;

- \* Delik Milli, Mil Çıkışı
- \* Delik Milli, Konik Sıktırmalı
- \* Tork Kollu
- \* B5 veya B14 Flanşlı

**Helisel Konik Dişlili Redüktör:**

0.12 kW dan 200 kW' ya kadar 17 boy mevcuttur. 65000 Nm'ye kadar çıkış momenti bulunur.

Concept of Polat Helical - Bevel Gear unit series are presented to a service by POLAT GROUP REDÜKTÖR with different reduction range and 17 different case width. This design have helical bevel gearset, for that reason this series provide 90 degree angle between input and output direction for transmitting motion.

This robust design have bloc case, this bloc case design ensures strong structure and layout does not include fasteners (e.g. screw) which could be caused a missalignment at gear. PKD series case which is founded from casting, ensure and facilitate mounting from case and it reduces effecting of vibration or oscillation. According to customer demand output direction could be both left and right with 96 per cent efficiency.

Our manufacturing gears which are machined at high technology CNC machines, meet up to date international high standards. Gears are manufactured from forging materials and heat treatment, carburizing and honning processes are applied for silent, strength running for longer time. Besides, units available for hars environments. PKD series could be used all of industry applications.

Available products of PKD series with motor or W cylinder or IEC adapter is ;

- \* Hollow Shaft, Solid Shaft
- \* Hollow Shaft, With Shrink disc
- \* Torque Arm
- \* Flange B5 and B14

**Helical Bevel Gearboxes :**

65000 Nm output moment altering from 0,12 kW to 200 kW

**MAX. MÜSAADE EDİLEBİLİR ÇIKIŞ MOMENTİ  $M_{a \max}$ .**

MAX. PERMISSIBLE OUTPUT TORQUES  $M_{a \max}$ .

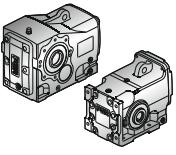
171 - 188

**İki, Üç ve dört kademeli helisel konik dişlili redüktör**

Helical - bevel gear boxes double, triple and quadruple reduction

Redüktör Tipi Gearbox type	PKD A 0290	PKD B 0290	PKD C 1290	PKD F 4290	PKD H 5290	PKD 1390 PKD 1490	PKD G 1390 PKD G 1490	PKD 2390 PKD 2490	PKD 3390 PKD 3490
$M_{a \max}$ (Nm)	90	120	230	380	660	400	610	860	1550

Redüktör Tipi Gearbox type	PKD 4390 PKD 4490	PKD 5390 PKD 5490	PKD 6390	PKD 7390	PKD 8390	PKD G 8390	PKD 9390	PKD G 9390
$M_{a \max}$ (Nm)	2800	4800	8200	8500	13000	20000	32000	50000



## W ve IEC Adaptör

W kovanlı redüktörlerin max. tahrik gücü geçerli olan çıkış devri ve tahvil oranına göre tablolarda verilmiştir. (Bknz 172-188) IEC adaptörlü dişli ünitelerinde, her gövde büyüklüğünün standart gücü DIN EN 50347' ye göre verilir. P1 değeri W ve IEC seçim sayfalarında listelenmiştir. Bu listedeki değerlerden fazla bir güç istenirse özel hesaplamalar gerekmektedir. Lütfen danışınız.

W kovanlı redüktörlerin giriş mili rulmanları düzenli olarak yağlanmalıdır. 2 kademeli redüktörlerden PA\PF 62, PD\PM 62 ve üst gövdeler, 3 kademeli redüktörlerden PA\PF 73, PD\PM 73, PKD 6390 ve üst gövdeler için her 4000 çalışma saatinde yaklaşık 20-25 gr gres içeren otomatik yağlayıcı kullanılarak giriş shaftı rulmanı yağlamasını öneririz. Kullanılan yağlayıcı Petamo GHY133 N' dir. Ayrıca W kovanlı redüktörlerde bu yağlayıcıdan ayrı opsiyon olarak dişli ünitesinin soğumasını sağlamak için diş fan da mevcuttur. Lütfen danışınız.

Otomatik yağlayıcı üniteleri IEC 160 motor büyüklüğünden başlayarak en düşük 2 kademeli redüktörlerden PA\PF 62, PD\PM 62, 3 kademeli redüktörlerden de PA\PF 73, PD\PM 73, PKD 6390 gövdelerine bağlanmaktadır. Bu otomatik yağlayıcı rulmanlara kalıcı bir yağlama sağlar. Redüktörü çalıştırmadan önce devreye sokulmalıdır. Günlük ortalama 8 saat çalışıyorsa yılda 1kez, bunun dışındaki çalışma saatlerinde 6 ayda bir değiştirilmelidir. Otomatik yağlayıcı içindeki gres dış ortam sıcaklığı 0° C - 40° C arasındaki çalışmalara uygundur. Çok uzun süreli çalışmalarda ve belirtilen dış ortam sıcaklığı değişimlerinde daha özel yağlayıcı kullanılmalıdır. Lütfen danışınız.

Otomatik yağlayıcı IEC'ler belirtilen çalışma şartları içerisinde dikey montaj pozisyonunda (M2 ve M4) önerilmez. Bu gibi durumlarda direkt motor montajı önerilir. Eğer motor boyutu 160 ve daha büyük IEC'ler dikey montaj pozisyonunda kullanılacaksa, kullanım şartları göz önünde bulundurularak tarafımızdan kontrol edilmeli ve onaylanmalıdır. Lütfen buna dikkat ediniz. Dikey montaj pozisyonu çalışmalarında (M2) sızdırmazlık elemanlarının ömrü azalabilmektedir. Bu gibi durumlarda daha kısa aralıklarla bakım yapılmalıdır. 2 kademeli redüktörlerden PA\PF 52, PD\PM 52'ye kadar ve 3 kademeli redüktörlerden PA\PF 63, PD\PM 63, PKD 5390'a kadar olan IEC adaptörlü dişli üniteleri çalışma ömürleri süresince sızdırmazlığa sahip yağlanmış rulman içerir. Bunlar için bakım süreleri kullanım kılavuzunda önerilen bakım süreleri geçerlidir.

Motor boyutu 63'ten 180'e kadar olan IEC adaptörün kaplini arızaya karşı emniyetli değildir. Fakat otomatik yağlayıcı kullanılan IEC 160-180 ve daha büyük boyutlu adaptörlerdeki kaplinler arızaya karşı emniyetlidir. Kaldırma, asansör ve bu gibi insan yaralanmalarına neden olabilecek çalışmalar için özel hesaplamalar gerekmektedir. Lütfen PGR'ye danışınız. Direkt motor montajlı redüktörle karşılaştırmak gerekirse IEC ilave mil kaplinine ve extra rulman yataklanmasına sahiptir. Direkt motor montajına göre IEC bağlantılı redüktörlerde güç kayıpları daha fazladır. PGR olarak biz direkt motor montajını öneririz. Bu size sadece teknik avantaj değil finansal olarak da avantaj sağlar.

## W and IEC Adapter for Gear Units

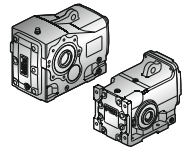
Selection of W cylinder (with free input shaft) and IEC adapter are listed on page 172-188. Maximum power are given according to gear reduction ratio and output speed. Gear units with IEC adapter standard power is specified according to DIN EN 50347. For other power values which are not shown on table, must be required special calculation for operating safety limits. For these cases, please contact with PGR.

Polat gear unit series such as PA\PF 62, PD\PM 62 and greater case which are 2 stage reducers, PA\PF 73, PD\PM 73, PKD 6390 and greater case which are 3 stage reducers with W adapter (with free input shaft) input solid shaft bearings must be lubricated orderly. Automatic lubricator could be used for increasing service life of bearings. This unit includes approximately 20-25g grease and it supplies fresh grease at every 4000 running hours. PGR recommends, Petamo GHY 133 N type of lubricate should be used. At the same time, fan option is available for cool gear unit to safe operation. For this option contact with PGR.

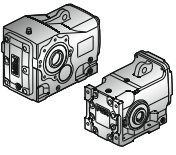
Automatic lubricator design is used from IEC 160 motor size and greater motor size to least gear units which are for 2 stage reducers PA\PF 62, PD\PM 62 and for 3 stage reducers PA\PF 73, PD\PM 73 and PKD 6390. This unit provides permanent lubrication to bearings. Automatic lubricator must be changed once at year for where gear unit is run 8 hours or lesser at daily operation for other running hours it must be changed every 6 months. Automatic lubricator must be actuated before start the reducers. Grease is acceptable between 0° C - 40° C operation conditions. At long - term running and exception from specified ambient temperature special lubricate must be used. Please, consult us.

Under determined operating conditions, IEC with automatic lubricator is not suggested for vertical mounting positions (M2 and M4 mounting positions). For these cases direct motor mounting should be applied. If IEC 160 and greater size will be used at vertical mounting positions, it must be controlled by PGR for suitable and safe operations with considering actual operating conditions. For mounting position M2 (vertical alignment) life cycle of seals are effected badly for that reason maintenance of these reducer must be at shorter times from which maintenance time is determined at manual. 2 stage reducers up to PA\PF 52, PD\PM 52 and 3 stage reducer up to PA\PF 63, PD\PM 63, PKD 5390 gear units are included seals for bearings as long as their service life. For these gear units maintenance time is valid which time is specified at manual.

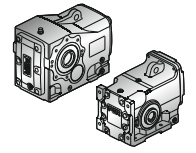
Coupling is used for installing motor to IEC adapter. At from IEC 63 to IEC 180, coupling is not safety for important application where person injuries could be occurred. But IEC 160 - IEC 180 with automatic lubricator and greater size of IEC adapter is safe for application but on the other hand for operations where accident could be caused personnel damage special calculation must be required, please consult us. Direct motor mounting has a lot of advantage according to mounting of IEC adapter. At gear units with IEC adapter has additional solid shaft coupling and bearing seats for that reason power losses are greater than direct motor mounting. Last but not least direct motor mounting could be provided more technical and financial advantage.



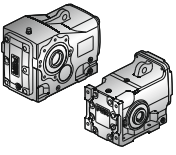
<b>UYGULAMALAR</b>	<b>APPLICATIONS</b>
<b><u>KARIŐTIRICILAR</u></b>	<b><u>AGITATORS (MIXERS)</u></b>
<ul style="list-style-type: none"><li>* Saf Sıvılar</li><li>* Sıvılar ve Katılar</li><li>* Deęişken Yoęunluklu Sıvılar</li></ul>	<ul style="list-style-type: none"><li>* Pure Liquids</li><li>* Liquids and Solids</li><li>* Liquids - Variable Density</li></ul>
<b><u>HAVALANDIRMA TERTİBATLARI</u></b>	<b><u>BLOWERS</u></b>
<ul style="list-style-type: none"><li>* Santrifüj</li><li>* Lob</li><li>* Pervane</li></ul>	<ul style="list-style-type: none"><li>* Centrifugal</li><li>* Lobe</li><li>* Vane</li></ul>
<b><u>MAYALAMA VE DAMITMA</u></b>	<b><u>BREWING AND DISTILLING</u></b>
<ul style="list-style-type: none"><li>* Şişeleme Mekanizması</li><li>* Mayalama Kazanları - Kesintisiz İş</li><li>* Fırınlr, Ocaklar - Kesintisiz İş</li><li>* Ezme, Karışım Kazanları - Kesintisiz İş</li><li>* Ölçü Haznesi - Sık Sık Başlama</li></ul>	<ul style="list-style-type: none"><li>* Bottling Machinery</li><li>* Brew Kettles - Continuous Duty</li><li>* Cookers - Continuous Duty</li><li>* Mash Tubs - Continuous Duty</li><li>* Scale Hopper - Frequent Starts</li></ul>
<b><u>TOPRAK İŐLEME MAKİNELERİ</u></b>	<b><u>CLAY WORKING MACHINERY</u></b>
<ul style="list-style-type: none"><li>* Tuęla Presi</li><li>* Briket Makinesi</li><li>* Çamur Karma Makinesi</li></ul>	<ul style="list-style-type: none"><li>* Brick Press</li><li>* Briquette Machine</li><li>* Pug Mill</li></ul>
<b><u>KOMPRESÖRLER</u></b>	<b><u>COMPRESSORS</u></b>
<ul style="list-style-type: none"><li>* Santrifüj</li><li>* Lob</li><li>* Çok Pistonlu</li><li>* Tek Pistonlu</li></ul>	<ul style="list-style-type: none"><li>* Centrifugal</li><li>* Lobe</li><li>* Reciprocating, Multi-Cylinder</li><li>* Reciprocating, Single-Cylinder</li></ul>
<b><u>KONVEYÖRLER - GENEL MAKSATLI</u></b>	<b><u>CONVEYORS - GENERAL PURPOSE</u></b>
<ul style="list-style-type: none"><li>* Üniform Yüklü</li><li>* Üniform Yüklü Olmayan</li><li>* Pistonlu veya Karıştırcılı</li></ul>	<ul style="list-style-type: none"><li>* Uniformly Loaded or Fed</li><li>* Not Uniformly fed</li><li>* Reciprocating Or Shaker</li></ul>
<b><u>VİNÇLER</u></b>	<b><u>CRANES</u></b>
<ul style="list-style-type: none"><li>* Kuru Havuz</li><li>  Ana Kaldırma Vinci</li><li>  Yardımcı Vinç</li><li>  Direkli Vinç</li><li>  Döndürme İő</li><li>  Çekme İő</li><li>* Endüstriyel İő</li><li>  Ana Kaldırma Vinci</li></ul>	<ul style="list-style-type: none"><li>* Dry Dock</li><li>  Main Hoist</li><li>  Auxiliary Hoist</li><li>  Boom Hoist</li><li>  Slewing Drive</li><li>  Traction Drive</li><li>* Industrial Duty</li><li>  Main Hoist</li></ul>
<b><u>ASANSÖRLER</u></b>	<b><u>ELEVATORS</u></b>
<ul style="list-style-type: none"><li>* Kova</li><li>* Santrifuj Boşaltma</li><li>* Yürüyen Merdiven</li><li>* Taşıma, Nakliye</li><li>* Yerçekimi Boşaltım</li></ul>	<ul style="list-style-type: none"><li>* Bucket</li><li>* Centrifugal Discharge</li><li>* Escalators</li><li>* Freight</li><li>* Gravity Discharge</li></ul>
<b><u>KIRMA MAKİNELERİ</u></b>	<b><u>CRUSHER</u></b>
<ul style="list-style-type: none"><li>* Taş ya da Maden</li></ul>	<ul style="list-style-type: none"><li>* Stone or Ore</li></ul>



<b>UYGULAMALAR</b>	<b>APPLICATIONS</b>
<b><u>TARAMA MAKİNELERİ</u></b>	<b><u>DREDGES</u></b>
<ul style="list-style-type: none"><li>* Kablo Bobinleri</li><li>* Konveyörler</li><li>* Pompalar</li><li>* İstifleme Makineleri</li><li>* Vinçler</li></ul>	<ul style="list-style-type: none"><li>* Cable Reels</li><li>* Conveyors</li><li>* Pumps</li><li>* Stackers</li><li>* Winches</li></ul>
<b><u>EKSTRUDERLER</u></b>	<b><u>EXTRUDERS</u></b>
<ul style="list-style-type: none"><li>* Genel</li><li>* Plastikler<ul style="list-style-type: none"><li>Değişken Hızlı Tahrik</li><li>Sabit Hızlı Tahrik</li></ul></li><li>*Kauçuk, Lastik<ul style="list-style-type: none"><li>Kesintisiz Vida İşlemleri</li><li>Kesintili Vida İşlemleri</li></ul></li></ul>	<ul style="list-style-type: none"><li>* General</li><li>* Plastics<ul style="list-style-type: none"><li>Variable Speed Drive</li><li>Fixed Speed Drive</li></ul></li><li>*Rubber<ul style="list-style-type: none"><li>Continuous Screw Operation</li><li>Intermittent Screw Operation</li></ul></li></ul>
<b><u>FANLAR</u></b>	<b><u>FANS</u></b>
<ul style="list-style-type: none"><li>* Santrifüj</li><li>* Yüksek Emişli</li><li>* İndüklenmiş Çekiş</li><li>* Endüstriyel ve Maden Ocağı</li></ul>	<ul style="list-style-type: none"><li>* Centrifugal</li><li>* Forced Draft</li><li>* Induced Draft</li><li>* Industrial and Mine</li></ul>
<b><u>BESLEME ÜNİTELERİ</u></b>	<b><u>FEEDERS</u></b>
<ul style="list-style-type: none"><li>* Palet</li><li>* Bant</li><li>* Disk</li><li>* Pistonlu</li><li>* Vida</li></ul>	<ul style="list-style-type: none"><li>* Apron</li><li>* Belt</li><li>* Disc</li><li>* Reciprocating</li><li>* Screw</li></ul>
<b><u>GIDA ENDÜSTRİSİ</u></b>	<b><u>FOOD INDUSTRY</u></b>
<ul style="list-style-type: none"><li>* Hububat Fırını</li><li>* Hamur Karıştırıcı</li><li>* Kıyma Makinesi</li><li>* Dilimleyici</li></ul>	<ul style="list-style-type: none"><li>* Cereal Cooker</li><li>* Dough Mixer</li><li>* Meat Grinder</li><li>* Slicer</li></ul>
<b><u>METAL İŞLEMELERİ</u></b>	<b><u>METAL MILLS</u></b>
<ul style="list-style-type: none"><li>* Çekme Makinesi Taşıma ve Ana Tahrik</li><li>* Hammadde İtici</li><li>* Makaslar</li><li>* Tel Çekme</li><li>* Tel Sargı Makinesi</li><li>* Salgı Tezgahı<ul style="list-style-type: none"><li>Geri Dönmesiz</li><li>Tek Tahrik</li><li>Grup Tahriki</li></ul></li></ul>	<ul style="list-style-type: none"><li>* Draw Bench Carriage and Main Drive</li><li>* Slab Pushers</li><li>* Shears</li><li>* Wire Drawing</li><li>* Wire Winding Machine</li><li>* Runout Table<ul style="list-style-type: none"><li>Non-Reversing</li><li>Individual Drives</li><li>Group Drives</li></ul></li></ul>
<b><u>DÖNER İŞLEMELER</u></b>	<b><u>MILLS (ROTARY TYPE)</u></b>
<ul style="list-style-type: none"><li>* Küresel ve Çubuk<ul style="list-style-type: none"><li>Düz Halka Dişli</li><li>Helisel Halka Dişli</li><li>Doğrudan Bağlı</li></ul></li><li>* Çimento Fırını</li><li>* Kurutucular ve Soğutucular</li></ul>	<ul style="list-style-type: none"><li>* Ball and Rod<ul style="list-style-type: none"><li>Spur Ring Gear</li><li>Helical Ring Gear</li><li>Direct Connected</li></ul></li><li>* Cement Kilns</li><li>* Dryers and Coolers</li></ul>

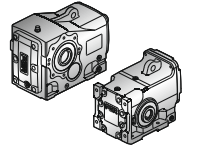


<b>UYGULAMALAR</b>	<b>APPLICATIONS</b>
<b><u>KERESTE ENDÜSTRİSİ</u></b>	<b><u>LUMBER INDUSTRY</u></b>
<ul style="list-style-type: none"><li>* Kabuk Soyucular Besleme Tamburu Ana Tahrik</li><li>* Konveyörler Brülör Ana Yük veya Ağır Yük Ana Kütük Hızar ve Taşıma Bandı Kalın Dilim Taşıma</li><li>* Kesme Testereleeri Zincir Sürükleme</li><li>* İndirme Boşaltma Tamburları</li><li>* Uzun Deste</li><li>* Tomruk Çekme-Eğme</li><li>* Kütük Döndürme Aygıtları</li><li>* Sıralama Tablası</li><li>* Taşıma Zincir Kreynyolu</li><li>* Tabla Tahriki</li></ul>	<ul style="list-style-type: none"><li>* Barkers Spindle Feed Main Drive</li><li>* Conveyors Burner Main or Heavy Duty Main Log Re-saw, Merry-Go-Round Slab Transfer</li><li>* Cut-Off Saws Chain Drag</li><li>* Debarking Drums</li><li>* Long Deck</li><li>* Log Hauls - Incline</li><li>* Log Turning Devices</li><li>* Sorting Table</li><li>* Transfers Chain Causeway</li><li>* Tray Drives</li></ul>
<b><u>KAĞIT İŞLEMELERİ</u></b>	<b><u>PAPER MILLS</u></b>
<ul style="list-style-type: none"><li>* Karıştırıcı</li><li>* Saf çözeltiler için Karıştırıcı</li><li>* Kabuk Soyma Tromelleri</li><li>* Mekanik Kabuk Soyucu</li><li>* Dövücü - Öğütücü</li><li>* Düzleştirme Makinesi</li><li>* Kalenderleme</li><li>* Yüzey Pürüzlendirici</li><li>* Çentik Besleyici</li><li>* Kaplama Merdanesi</li><li>* Konveyörler Çentik, Kabuk, Kimyasal Kalın Dilimler İçeren Kütükler</li><li>* Kesici</li><li>* Silindir Kalıpları</li><li>* Kurutucu Kağıt Makinesi Konveyör Tip</li><li>* Kabartmalı Basıcı</li><li>* Ekstruder</li><li>* Kağıt Merdaneleri</li><li>* Presler</li><li>* Hamurlaştırıcı</li><li>* Pompalar</li></ul>	<ul style="list-style-type: none"><li>* Agitator (Mixer)</li><li>* Agitator for Pure Liquors</li><li>* Barking Drums</li><li>* Mechanical Barkers</li><li>* Beater</li><li>* Breaker Stack</li><li>* Calender</li><li>* Chipper</li><li>* Chip Feeder</li><li>* Coating Rolls</li><li>* Conveyors Chip, Bark, Chemical Log (including Slab)</li><li>* Cutter</li><li>* Cylinder Molds</li><li>* Dryer Paper Machine Conveyor Type</li><li>* Embosser</li><li>* Extruder</li><li>* Paper Rolls</li><li>* Presses</li><li>* Pulper</li><li>* Pumps</li></ul>
<b><u>FİLTRELER</u></b>	<b><u>SCREENS</u></b>
<ul style="list-style-type: none"><li>* Havalı Yıkama</li><li>* Döner - Taş veya Çakıl</li><li>* Hareketli Su Girişi</li></ul>	<ul style="list-style-type: none"><li>* Air Washing</li><li>* Rotary - Stone or Gravel</li><li>* Traveling Water Intake</li></ul>

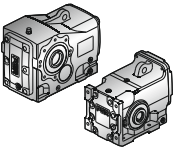


<b>UYGULAMALAR</b>	<b>APPLICATIONS</b>
<b><u>PLASTİK ENDÜSTRİSİ</u></b> <b><u>İLK İŞLEMLER</u></b>	<b><u>PLASTIC INDUSTRY</u></b> <b><u>PRIMARY PROCESSING</u></b>
<ul style="list-style-type: none"><li>* Yoğun İç Karıştırıcılar Harmanlayıcı Kesintisiz Karıştırıcı</li></ul>	<ul style="list-style-type: none"><li>* Intensive Internal Mixers Batch Mixers Continuous Mixers</li></ul>
<b><u>PLASTİK ENDÜSTRİSİ</u></b> <b><u>İKİNCİL İŞLEMLER</u></b>	<b><u>PLASTIC INDUSTRY</u></b> <b><u>SECONDARY PROCESSING</u></b>
<ul style="list-style-type: none"><li>* Hacim Kalıpcıları</li><li>* Kaplama</li><li>* Tabaka</li><li>* Boru</li><li>* Ön Plastikleştirme</li><li>* Rot</li><li>* Saç, Plaka</li><li>* Borular</li></ul>	<ul style="list-style-type: none"><li>* Blow Molders</li><li>* Coating</li><li>* Film</li><li>* Pipe</li><li>* Pre-Plasticizers</li><li>* Rods</li><li>* Sheet</li><li>* Tubing</li></ul>
<b><u>POMPALAR</u></b>	<b><u>PUMPS</u></b>
<ul style="list-style-type: none"><li>* Santrifüj</li><li>* Oranlama</li><li>* Pistonlu Tek Tesirli - 3 veya daha fazla Silindir Çift Tesirli - 2 veya daha fazla Silindir</li><li>* Döner Şanzuman Tipi Lob Pervane</li></ul>	<ul style="list-style-type: none"><li>* Centrifugal</li><li>* Proportioning</li><li>* Reciprocating Single Acting - 3 or more cylinders Double Acting - 2 or more cylinders</li><li>* Rotary Gear Type Lobe Vane</li></ul>
<b><u>KAUÇUK - LASTİK ENDÜSTRİSİ</u></b>	<b><u>RUBBER INDUSTRY</u></b>
<ul style="list-style-type: none"><li>* Yoğun İç Karıştırıcılar Harmanlayıcılar Kesintisiz Karıştırıcılar</li><li>* Karıştırma İşlemi 2 Yumuşak Merdane 1 veya 2 Oluklu Merdane</li><li>* Toplu İşleme - 2 Yumuşak Silindir</li><li>* Kırıcı ve Isıtıcı - 2 Merdane, 1 Oluklu Merdane</li><li>* Kırıcı - 2 Oluklu Merdane</li><li>* Tutma, Besleme, Karıştırma İşlemi - 2 Merdane</li><li>* Arıtıcı - 2 Merdane</li><li>* Kalenderler</li></ul>	<ul style="list-style-type: none"><li>* Intensive Internal Mixers Batch Mixers Continuous Mixers</li><li>* Mixing Mill 2 Smooth Rolls 1 or 2 corrugated Rolls</li><li>* Batch Drop Mill - 2 Smooth Rolls</li><li>* Cracker Warmer-2 Rolls, 1 Corr. Roll</li><li>* Cracker - 2 Corrugated Rolls</li><li>* Holding, Feed and Blend Mill - 2 Rolls</li><li>* Refiner - 2 Rolls</li><li>* Calenders</li></ul>
<b><u>ATIK SU BOŞALTIM EKİPMANLARI</u></b>	<b><u>SEWAGE DISPOSAL EQUIPMENT</u></b>
<ul style="list-style-type: none"><li>* Çubuklu Elek</li><li>* Kimyasal Besleme Üniteleri</li><li>* Su Boşaltma Eleği</li><li>* Köpük Kesici</li><li>* Yavaş veya Hızlı Karıştırıcılar</li><li>* Tortu Toplayıcı</li><li>* Koyulaştırıcı</li><li>* Vakumlu Filtre</li></ul>	<ul style="list-style-type: none"><li>* Bar Screens</li><li>* Chemical Feeders</li><li>* Dewatering Screen</li><li>* Scum Breaker</li><li>* Slow or Rapid Mixers</li><li>* Sludge Collector</li><li>* Thickener</li><li>* Vacuum Filter</li></ul>
<b><u>KOMPAKTÖRLER</u></b>	<b><u>COMPACTORS</u></b>
<b><u>ÇEKTİRMELER - YAVAŞ VE KUVVETLİ</u></b>	<b><u>PULLERS - BARGE HAUL</u></b>

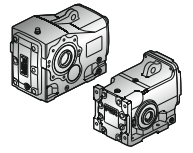




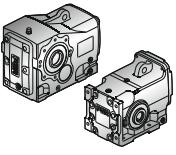
<b>UYGULAMALAR</b>	<b>APPLICATIONS</b>
<b><u>ŞEKER ENDÜSTRİSİ</u></b>	<b><u>SUGAR INDUSTRY</u></b>
<ul style="list-style-type: none"><li>* Pancar Dilimleme Aleti</li><li>* Kamış Bıçakları</li><li>* Kırma Makineleri</li></ul>	<ul style="list-style-type: none"><li>* Beet Slicer</li><li>* Cane Knives</li><li>* Crushers</li></ul>
<b><u>TEKSTİL ENDÜSTRİSİ</u></b>	<b><u>TEXTILE INDUSTRY</u></b>
<ul style="list-style-type: none"><li>* Harman Ölçer</li><li>* Kalenderler</li><li>* Şablonlar</li><li>* Kuru Konserveler</li><li>* Boyama Makinesi</li><li>* Dokuma Tezgahları</li><li>* Çamaşır Sıkma Makinesi - Merdane</li><li>* Kaplama</li><li>* Doldurma Makinesi</li><li>* Haşıl Makinesi</li><li>* Halat Yıkama Makinesi</li><li>* Eğirme Makinesi</li><li>* Germe Kurutma Makineleri</li><li>* Yıkama Makineleri</li><li>* Masura Sarıcısı</li></ul>	<ul style="list-style-type: none"><li>* Batcher</li><li>* Calenders</li><li>* Cards</li><li>* Dry Cans</li><li>* Dyeing Machinery</li><li>* Looms</li><li>* Mangle</li><li>* Napper</li><li>* Pads</li><li>* Siashers</li><li>* Soapers</li><li>* Spinners</li><li>* Tenter Frames</li><li>* Washers</li><li>* Winders</li></ul>
<b><u>DAMPERLİ ARAÇLAR</u></b>	<b><u>CAR DUMPERS</u></b>
<b><u>ÇEKİCİ ARAÇLAR</u></b>	<b><u>CAR PULLERS</u></b>
<b><u>ARITICILAR</u></b>	<b><u>CLARIFIERS</u></b>
<b><u>KONSERVE DOLUM MAKİNELERİ</u></b>	<b><u>CAN FILLING MACHINES</u></b>



REDÜKTÖR TİPİ GEAR TYPE	REDÜKTÖR DİZAYNI GEAR DESIGN
<b>Ayak montajlı</b> Foot mounted	
PKD A 0290 ... H 5290 = İki kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Double reduction	<b>TMA</b> = Ayak montajlı, Tek mil çıkışlı Foot mounted, Solid shaft
PKD 1390 ... PKD G 9390 = Üç kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Triple reduction	<b>DA</b> = Ayak montajlı, Delik milli Foot mounted, Hollow shaft
PKD 1490 ... PKD 5490 = Dört kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quadruple reduction	<b>ÇMA</b> = Ayak montajlı, Çift mil çıkışlı, Foot mounted, Solid shaft on both sides.
PKD 6390/32 ... PKD G 9390/62 = Beş kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quintuple reduction	<b>DA/KS</b> = Ayak montajlı, Delik milli, Konik sıkırtmalı Foot mounted, Hollow shaft, Shrink disc connector
<b>Gövdeden montajlı</b> Case mounted	
PKD A 0290 ... PKD H 5290 = İki kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Double reduction	<b>TMA/B5</b> = Ayak montajlı, Tek mil çıkışlı, B5 flanşlı Foot mounted, Solid shaft, Flange B5
PKD 1390 ... PKD G 9390 = Üç kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Triple reduction	<b>DA/B5</b> = Ayak montajlı, Delik milli, B5 flanşlı Foot mounted, Hollow shaft, Flange B5
PKD 1490 ... PKD 5490 = Dört kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quadruple reduction	<b>DA/KS-B5</b> = Ayak montajlı, Delik milli, Konik sıkırtmalı, B5 flanşlı Foot mounted, Hollow shaft, Shrink disc connector, Flange B5
PKD 6390/32 ... PKD G 9390/62 = Beş kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quintuple reduction	<b>TMA/B14</b> = Ayak montajlı, Tek mil çıkışlı, B14 flanşlı Foot mounted, Solid shaft, Flange B14
<b>Gövdeden montajlı, B5 flanşlı</b> Case mounted, Flange B5	
PKD A 0290 ... PKD H 5290 = İki kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Double reduction	<b>DA/B14</b> = Ayak montajlı, Delik milli, B14 flanşlı Foot mounted, Hollow shaft, Flange B14
PKD 1390 ... PKD G 9390 = Üç kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Triple reduction	<b>ÇMA/B14</b> = Ayak montajlı, Çift mil çıkışlı, B14 flanşlı Foot mounted, Solid shaft on both sides, Flange B14
PKD 1490 ... PKD 5490 = Dört kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quadruple reduction	<b>DA/KS-B14</b> = Ayak montajlı, Delik milli, Konik sıkırtmalı, B14 flanşlı Foot mounted, Hollow shaft, Shrink disc connector, Flange B14
PKD 6390/32 ... PKD G 9390/62 = Beş kademeli, helisel konik dişlili redüktör Helical bevel gearboxes, Quintuple reduction	<b>DG/B14</b> = Gövdeden montajlı, Delik milli, B14 flanşlı Case mounted, Hollow shaft, Flange B14
	<b>DG/KS-B14</b> = Gövdeden montajlı, Delik milli, Konik sıkırtmalı, B14 flanşlı Case mounted, Hollow shaft, Shrink disc connector, Flange B14
	<b>DG/TK</b> = Gövdeden montajlı, Delik milli, Tork kolu Case mounted, Hollow shaft, Torque arm
	<b>DG/KS-TK</b> = Gövdeden montajlı, Delik milli, Konik sıkırtmalı, Tork kolu Case mounted, Hollow shaft, Shrink disc connector, Torque arm
	<b>DG/TKP-B14</b> = Gövdeden montajlı, Delik milli, Tork kolu platformu, B14 flanşlı Case mounted, Hollow shaft, Torque arm platform, Flange B14
	<b>DG/KS-TKP-B14</b> = Gövdeden montajlı, Delik milli, Konik sıkırtmalı, Tork kolu platformu, B14 flanşlı Case mounted, Hollow shaft, Shrink disc connector, Torque arm platform, Flange B14
	<b>TMG/B5</b> = Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı Case mounted, Solid shaft, Flange B5
	<b>DG/B5</b> = Gövdeden montajlı, Delik milli, B5 flanşlı Case mounted, Hollow shaft, Flange B5
	<b>DG/KS-B5</b> = Gövdeden montajlı, Delik milli, Konik sıkırtmalı, B5 flanşlı Case mounted, Hollow shaft, Shrink disc connector, Flange B5
	<b>TMG/B14</b> = Gövdeden montajlı, Tek mil çıkışlı, B14 flanşlı Case mounted, Solid shaft, Flange B14



Giriş Aksamları Input Options	Motor Motor	Kutup Numarası Number of Poles	Motor Seçenekleri Motor Options
<p><b>W</b> = Motorsuz girişli redüktörler için aksam = With free input shaft</p> <p><b>IEC</b> = DIN 42677' ye göre standart motorlar için aksam = For assembly with IEC standard motors acc. to DIN 42677</p> <p><b>T</b> = Turbo kaplin = Turbo coupling</p>	<p><b>Üç fazlı motor</b> <b>Motor boyutu 63 - 315</b></p> <p>Three phase motor Motor size 63 - 315</p> <p><b>EExell</b> = Patlamaya karşı güvenliği artırılmış üç fazlı motor = Explosion proof three phase motor increased safety</p>	<p><b>2</b> = 2 Kutuplu = 2 - Poles</p> <p><b>4</b> = 4 Kutuplu = 4 - Poles</p> <p><b>6</b> = 6 Kutuplu = 6 - Poles</p> <p><b>4 - 2</b> = 1:2 oranında hız değiştirici dahlander bağlantısı = Pole changing 1:2 Dahlander connection</p> <p><b>8 - 2</b> = 1:4 oranında hız değiştirici ayrılmış sarmal dizilişi = Pole changing 1:4 Separate windings</p> <p><b>Diğer kutup kombinasyonları talep karşısında karşılanacaktır</b> Other pole combinations on request</p>	<p><b>BRE</b> = Frenli = With brake</p> <p><b>EF</b> = Tek fazlı, fanlı = Separate fan, single phase</p> <p><b>ZF</b> = Çift fazlı, fanlı = Separate fan, double phase</p> <p><b>DF</b> = Üç fazlı, fanlı = Separate fan, three phase</p> <p><b>IG</b> = Enkoderli = With encoder</p> <p><b>KK/FK</b> = Debriyajlı = With clutches</p> <p><b>SR</b> = Toza karşı korumalı fren = Brake dust - proof</p> <p><b>TF</b> = Termistörlü = Thermistor</p> <p><b>RG</b> = Korozyon korumalı frenli = Brake corrosion - protected</p> <p><b>WU</b> = Yumuşak kalkışlı rotor = Soft start rotor</p> <p><b>B</b> = Geri dönmeye karşı kilitli = Backstop</p> <p><b>TW</b> = Isıya duyarlı = Thermal trip</p> <p><b>HL</b> = Manuel frenli motor = Brake motor with hand release</p>



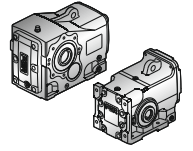
Kısaltmalar Abbrev	Anlamı Meaning	Helisel Konik Dişli Redüktör Helical Bevel Gear Units
DG/B5	Gövdeden montajlı, Delik milli, B5 flanşlı Case mounted, Hollow shaft, Flange B5	✓ (2)
DA	Ayak montajlı, Delik milli, Foot mounted, Hollow shaft,	✓
DA/B5	Ayak montajlı, Delik milli, B5 flanşlı Foot mounted, Hollow shaft, Flange B5	✓ (1)
DA/B14	Ayak montajlı, Delik milli, B14 flanşlı Foot mounted, Hollow shaft, Flange B14	✓
DG/B14	Gövdeden montajlı, Delik milli, B14 flanşlı Case mounted, Hollow shaft, Flange B14	✓ (2)
DG/TK	Gövdeden montajlı, Delik milli, Tork kolu Case mounted, Hollow shaft, Torque arm	✓ (1) (2)
DG/TKP-B14	Gövdeden montajlı, Delik milli, Tork kolu platformu, B14 flanşlı Case mounted, Hollow shaft, Torque arm console, Flange B14	✓ (2)
Ç	Çektirme elementli Fixing elements for hollow shaft	✓
DIN 5480	Kayıcılı delik milli DIN 5480 Splined hollow shaft, DIN 5480	✓
KK	Koruma kapaklı Cover as a touch guard	✓
IEC	IEC adaptörü Adapter for mounting B5 IEC standard motors	✓
ÇMA	Ayak montajlı, Çift mil çıkışlı Foot mounted, Solid shaft on both sides	✓
B	Kilit Integrated backstop	✓
WB	W kilidi Backstop in W adapter	✓
KS	Konik sıkırtma Hollow shaft with shrink disc	✓
GKS	Güçlendirilmiş konik sıkırtma Hollow shaft with reinforced shrink disc	✓
TMG/B5	Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı Case mounted, Solid shaft, Flange B5	✓ (2)
GR	Güçlendirilmiş rulman Reinforced bearing	✓
GB5	Güçlendirilmiş B5 Flanşı Agitator design	✓
TMA/B5	Ayak montajlı, Tek mil çıkışlı, B5 flanşlı Foot mounted, Solid shaft, Flange B5	✓
TMA	Ayak montajlı, Tek mil çıkışlı Foot mounted, Solid shaft	✓
TMG/B14	Gövdeden montajlı, Tek mil çıkışlı, B14 flanşlı Case Mounted, Solid shaft, Flange B14	✓ (2)
W	W kovani Free input shaft	✓

✓ Mevcut tasarımlar onay işareti ile belirtilmiştir.

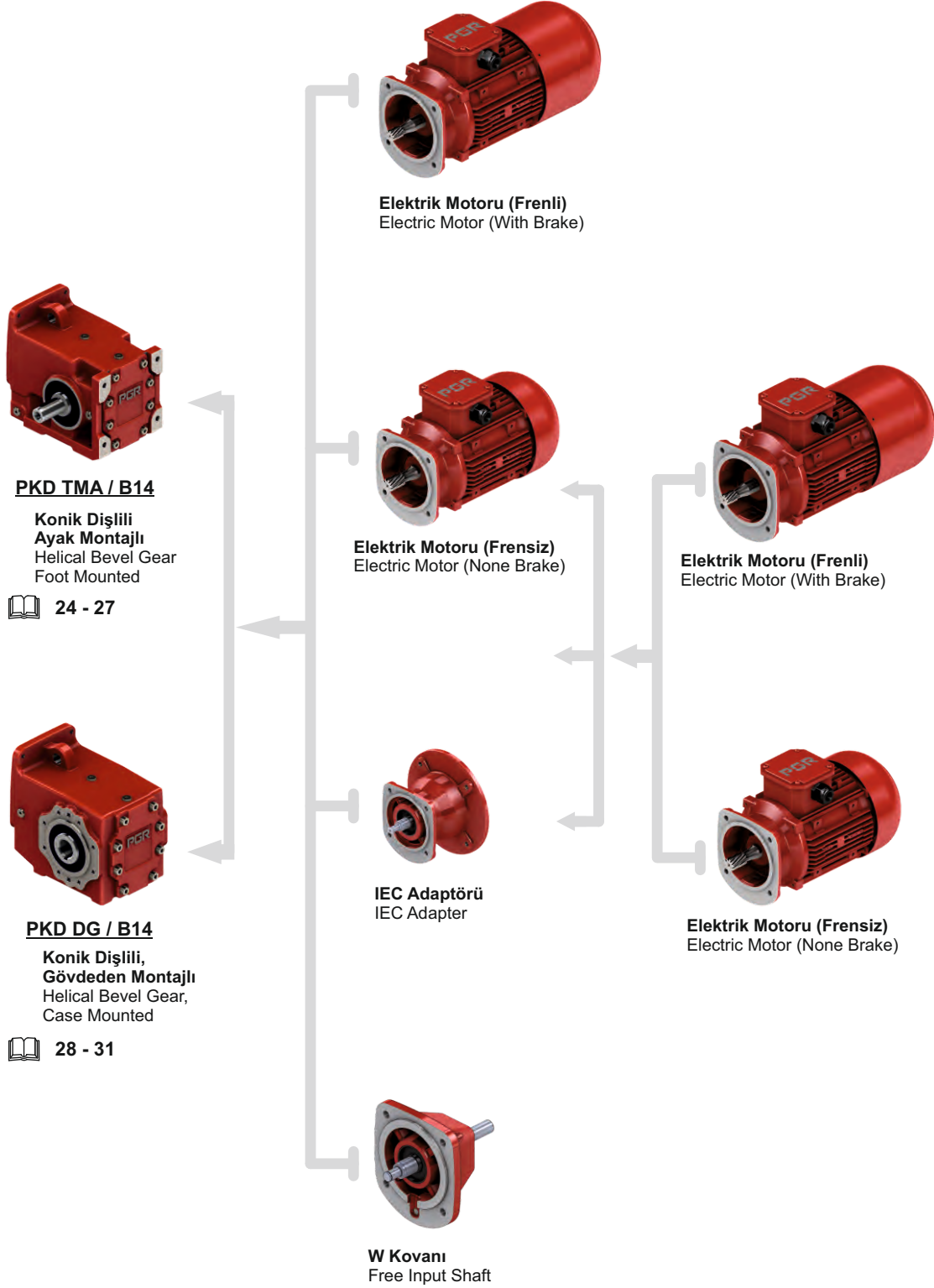
✓ Sign is presented which designs are existed for gear units.

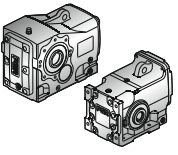
- 1-) PKD 7390 (dahil) a kadar mevcuttur.
- 2-) Gövdenin alt kısmında ilave diş açılmış delikler mevcuttur. Bu delikler redüktörün montajı için değildir.

- 1-) This designs exist for PKD 7390 and lesser case
- 2-) This number shows, there are threaded holes at the bottom of gear unit but these are not used for installation

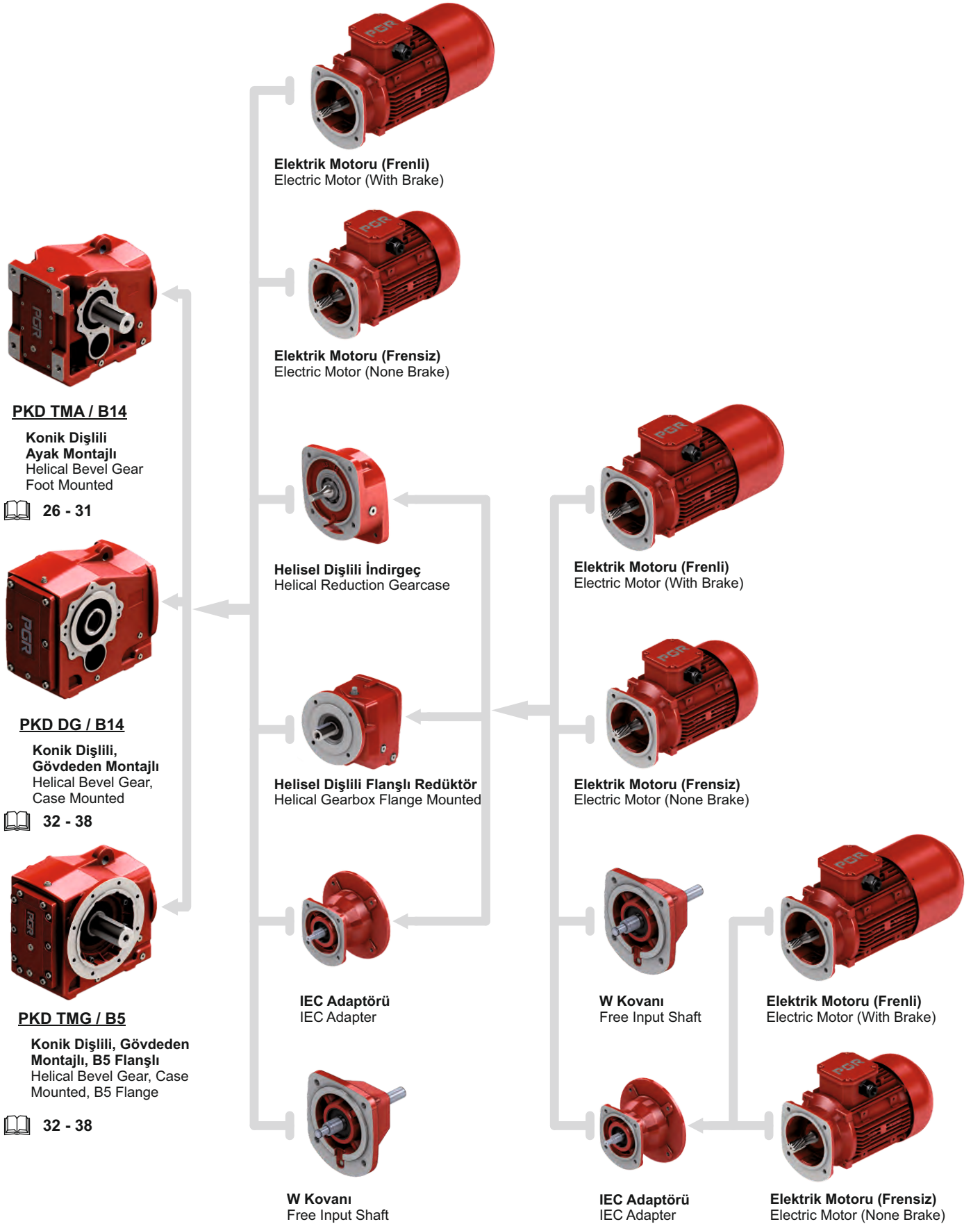


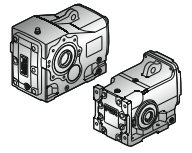
## İKİ KADEME / DOUBLE REDUCTION





## ÜÇ KADEME / TRIPLE REDUCTION

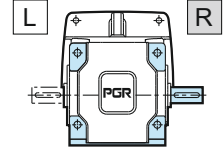
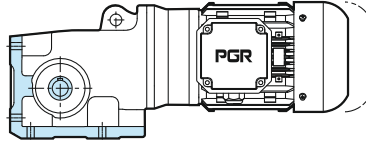




1) PKD B 0290... TMA - 63 M / 4 R

**Tek mil çıkışı, Ayak montajlı, İki kademeli, Helisel konik dişli, Motorlu redüktör**

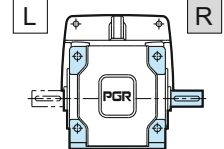
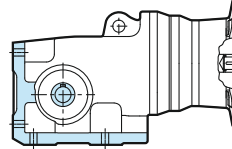
Helical bevel gear unit, Solid shaft,  
Foot mounted, Double reduction, With motor



PKD B 0290... TMA - IEC 63 R

**Tek mil çıkışı, Ayak montajlı, İki kademeli, Helisel konik dişli, IEC adaptörlü redüktör**

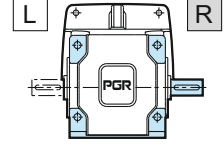
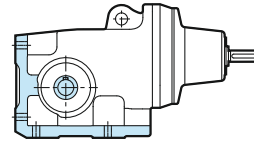
Helical bevel gear unit, Solid shaft,  
Foot mounted, Double reduction, With IEC adapter



PKD B 0290... TMA - W R

**Tek mil çıkışı, Ayak montajlı, İki kademeli, Helisel konik dişli, W kovanlı redüktör**

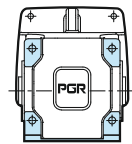
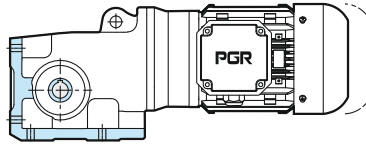
Helical bevel gear unit, Solid shaft,  
Foot mounted, Double reduction, With free input shaft



2) PKD B 0290... DA - 63 M / 4

**Delik milli, Ayak montajlı, İki kademeli, Helisel konik dişli, Motorlu redüktör**

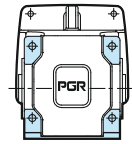
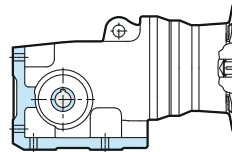
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Double reduction, With motor



PKD B 0290... DA - IEC 63

**Delik milli, Ayak montajlı, İki kademeli, Helisel konik dişli, IEC adaptörlü redüktör**

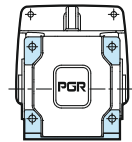
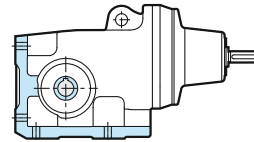
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Double reduction, With IEC adapter



PKD B 0290... DA - W

**Delik milli, Ayak montajlı, İki kademeli, Helisel konik dişli, W kovanlı redüktör**

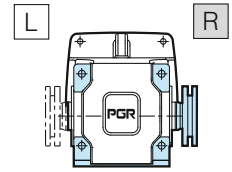
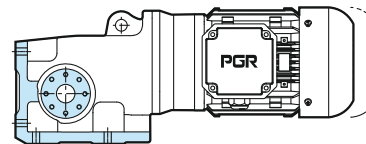
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Double reduction, With free input shaft



4) PKD B 0290... DA / KS - 63 M / 4 R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, İki kademeli, Helisel konik dişli, Motorlu redüktör**

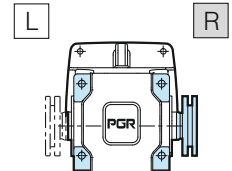
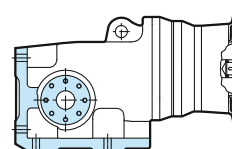
Helical bevel gear unit, Hollow shaft, Foot mounted,  
Shrink disc connector, Double reduction, With motor



PKD B 0290... DA / KS - IEC 63 R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, İki kademeli, Helisel konik dişli, IEC adaptörlü redüktör**

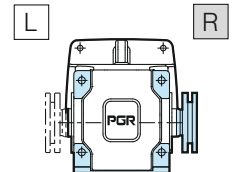
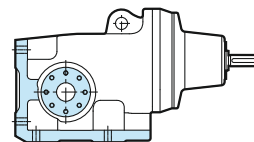
Helical bevel gear unit, Hollow shaft, Foot mounted,  
Shrink disc connector, Double reduction, With IEC adapter



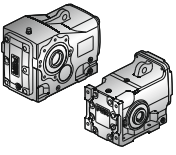
PKD B 0290... DA / KS - W R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, İki kademeli, Helisel konik dişli, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Foot mounted,  
Shrink disc connector, Double reduction, With free input shaft



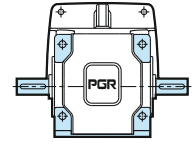
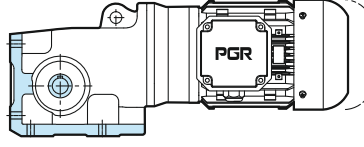
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



**3) PKD B 0290... ÇMA - 63 M / 4**

**Çift mil çıkışlı, Ayak montajlı, İki kademeli,  
Helisel konik dişlili, Motorlu redüktör**

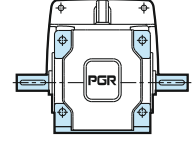
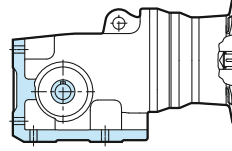
Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Double reduction, With motor



**PKD B 0290... ÇMA - IEC 63**

**Çift mil çıkışlı, Ayak montajlı, İki kademeli,  
Helisel konik dişlili, IEC adaptörlü redüktör**

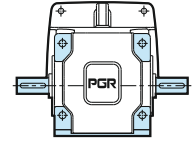
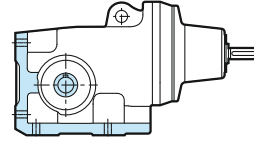
Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Double reduction, With IEC adapter



**PKD B 0290... ÇMA - W**

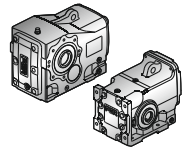
**Çift mil çıkışlı, Ayak montajlı, İki kademeli,  
Helisel konik dişlili, W kovanlı redüktör**

Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Double reduction, With free input shaft



**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.

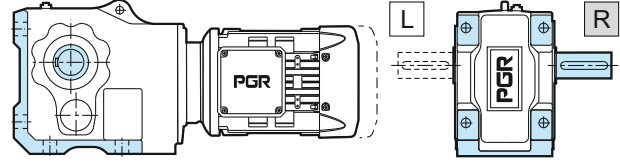




1) PKD 1390... TMA - 63 M / 4 R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

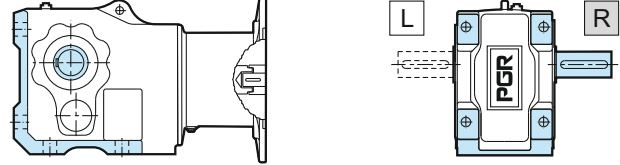
Helical bevel gear unit, Solid shaft,  
Foot mounted, Triple reduction, With motor



PKD 1390... TMA - IEC 63 R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

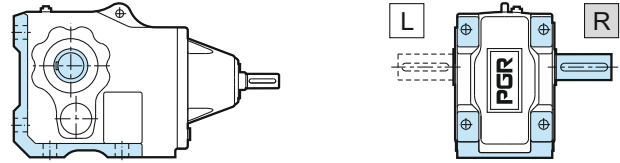
Helical bevel gear unit, Solid shaft,  
Foot mounted, Triple reduction, With IEC adapter



PKD 1390... TMA - W R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

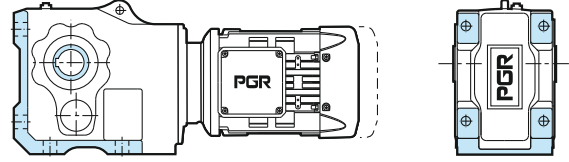
Helical bevel gear unit, Solid shaft,  
Foot mounted, Triple reduction, With free input shaft



2) PKD 1390... DA - 63 M / 4

**Delik milli, Ayak montajlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

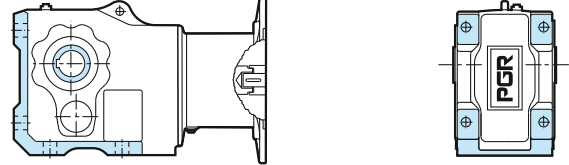
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Triple reduction, With motor



PKD 1390... DA - IEC 63

**Delik milli, Ayak montajlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

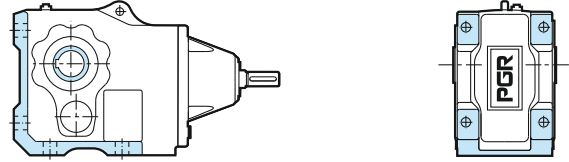
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Triple reduction, With IEC adapter



PKD 1390... DA - W

**Delik milli, Ayak montajlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

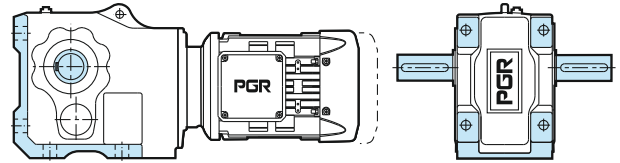
Helical bevel gear unit, Hollow shaft,  
Foot mounted, Triple reduction, With free input shaft



3) PKD 1390... ÇMA - 63 M / 4

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

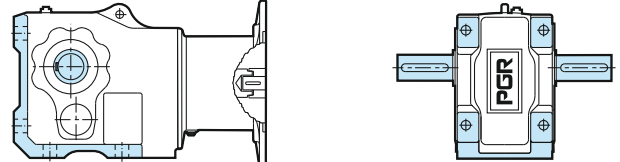
Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Triple reduction, With motor



PKD 1390... ÇMA - IEC 63

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

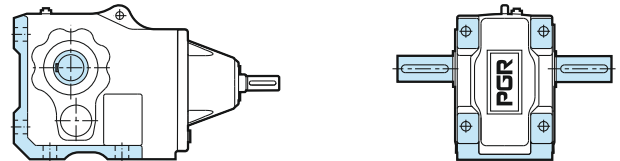
Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Triple reduction, With IEC adapter



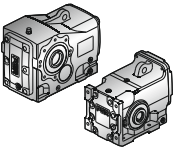
PKD 1390... ÇMA - W

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

Helical bevel gear unit, Solid shaft on both sides,  
Foot mounted, Triple reduction, With free input shaft

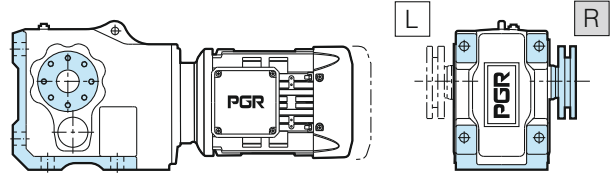


**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



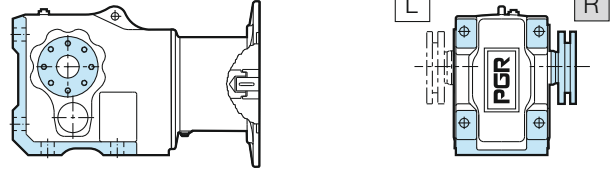
**4) PKD 1390... DA / KS - 63 M / 4** R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, With motor



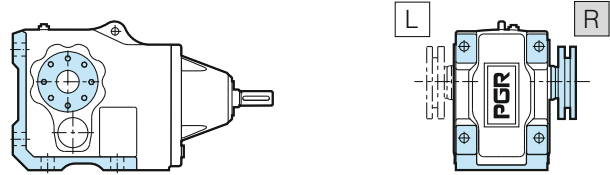
**PKD 1390... DA / KS - IEC 63** R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, With IEC adapter



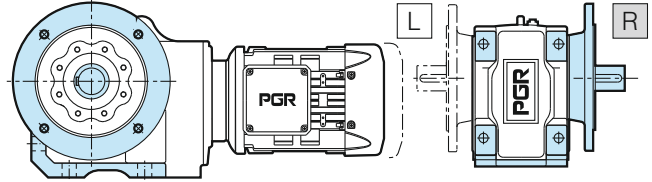
**PKD 1390... DA / KS - W** R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, With free input shaft



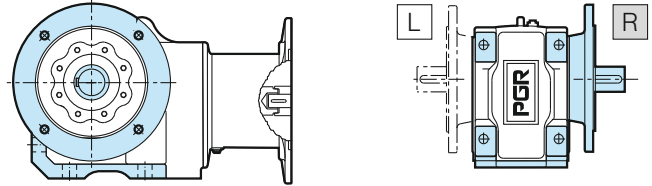
**5) PKD 1390... TMA / B5 - 63 M / 4** R

**Tek mil çıkışlı, Ayak montajlı, B5 flanşlı, Üç kademeli Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Solid shaft, Foot mounted, Flange B5, Triple reduction, With motor



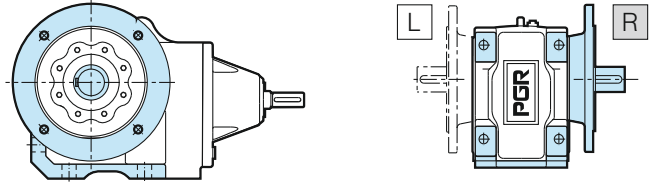
**PKD 1390... TMA / B5 - IEC 63** R

**Tek mil çıkışlı, Ayak montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Solid shaft, Foot mounted, Flange B5, Triple reduction, With IEC adapter



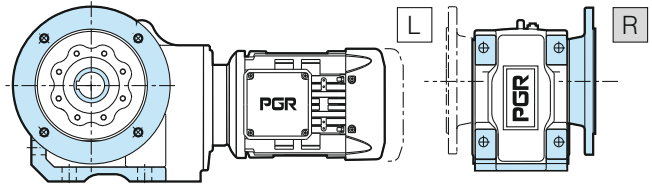
**PKD 1390... TMA / B5 - W** R

**Tek mil çıkışlı, Ayak montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Solid shaft, Foot mounted, Flange B5, Triple reduction, With free input shaft



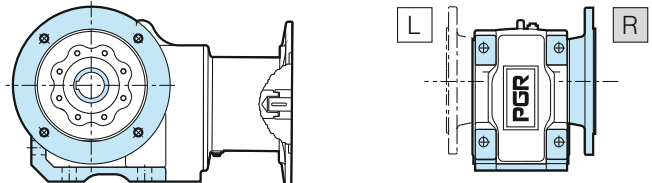
**6) PKD 1390... DA / B5 - 63 M / 4** R

**Delik milli, Ayak montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Flange B5, Triple reduction, With motor



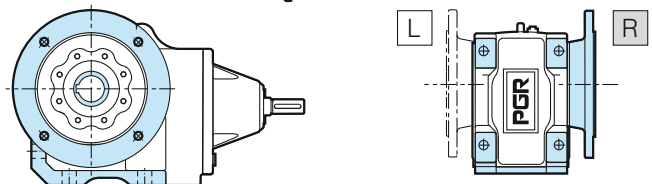
**PKD 1390... DA / B5 - IEC 63** R

**Delik milli, Ayak montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Flange B5, Triple reduction, With IEC adapter

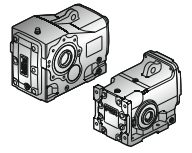


**PKD 1390... DA / B5 - W** R

**Delik milli, Ayak montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Hollow shaft, Foot mounted, Flange B5, Triple reduction, With free input shaft



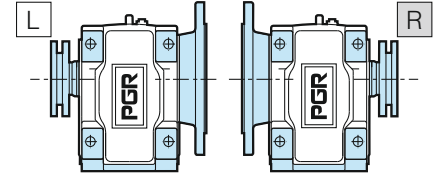
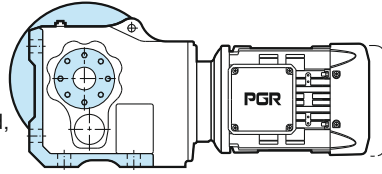
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



7) PKD 1390... DA / KS-B5 - 63 M / 4 R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

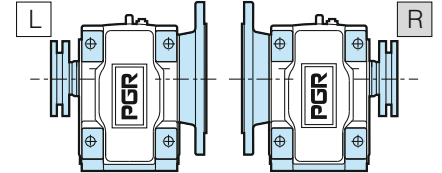
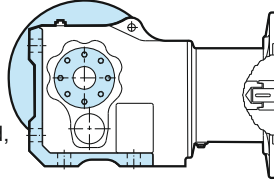
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Flange B5, Triple reduction, With motor



PKD 1390... DA / KS-B5 - IEC 63 R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

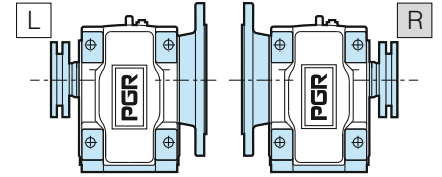
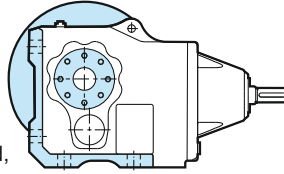
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Flange B5, Triple reduction, With IEC adapter



PKD 1390... DA / KS-B5 - W R

**Delik milli, Ayak montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

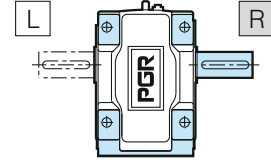
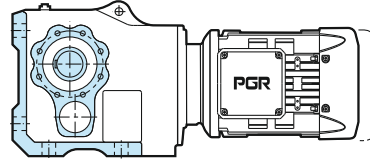
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Flange B5, Triple reduction, With free input shaft



8) PKD 1390... TMA / B14 - 63 M / 4 R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, Motorlu redüktör**

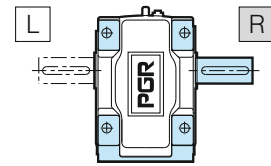
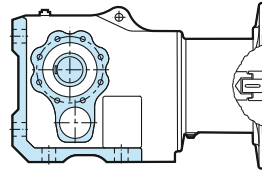
Helical bevel gear unit, Solid shaft, Foot mounted, Triple reduction, Flange B14, With motor



PKD 1390... TMA / B14 - IEC 63 R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör**

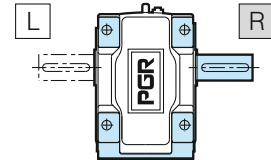
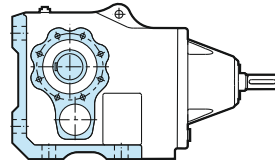
Helical bevel gear unit, Solid shaft, Foot mounted, Triple reduction, Flange B14, With IEC adapter



PKD 1390... TMA / B14 - W R

**Tek mil çıkışlı, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör**

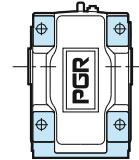
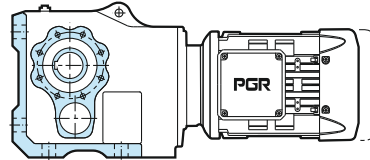
Helical bevel gear unit, Solid shaft, Foot mounted, Triple reduction, Flange B14, With free input shaft



9) PKD 1390... DA / B14 - 63 M / 4

**Delik milli, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, Motorlu redüktör**

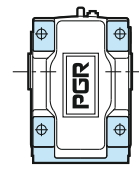
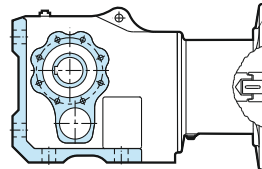
Helical bevel gear unit, Hollow shaft, Foot mounted, Triple reduction, Flange B14, With motor



PKD 1390... DA / B14 - IEC 63

**Delik milli, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör**

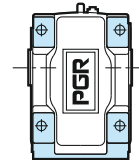
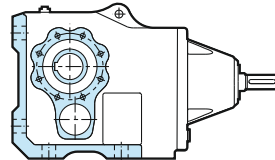
Helical bevel gear unit, Hollow shaft, Foot mounted, Triple reduction, Flange B14, With IEC adapter



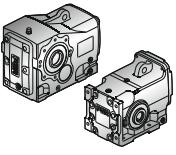
PKD 1390... DA / B14 - W

**Delik milli, Ayak montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Foot mounted, Triple reduction, Flange B14, With free input shaft



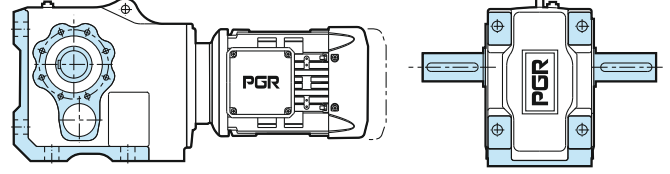
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



**10) PKD 1390... ÇMA / B14 - 63 M / 4**

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, B14 Flanşlı, Helisel konik dişli, Motorlu redüktör**

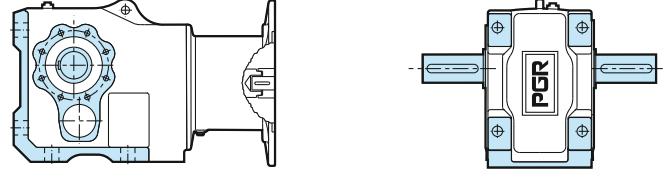
Helical bevel gear unit, Solid shaft on both sides, Foot mounted, Triple reduction, Flange B14, With motor



**PKD 1390... ÇMA / B14 - IEC 63**

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, B14 Flanşlı, Helisel konik dişli, IEC adaptörlü redüktör**

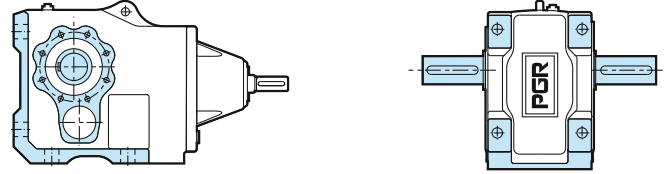
Helical bevel gear unit, Solid shaft on both sides, Foot mounted, Triple reduction, Flange B14, With IEC



**PKD 1390... ÇMA / B14 - W**

**Çift mil çıkışlı, Ayak montajlı, Üç kademeli, B14 Flanşlı, Helisel konik dişli, W kovanlı redüktör**

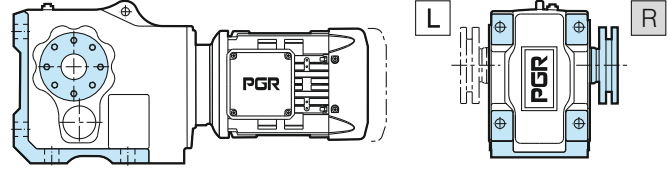
Helical bevel gear unit, Solid shaft on both sides, Foot mounted, Triple reduction, Flange B14, With free input shaft



**11) PKD 1390... DA / KS-B14 - 63 M / 4** R

**Delik millî, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişli, Motorlu redüktör**

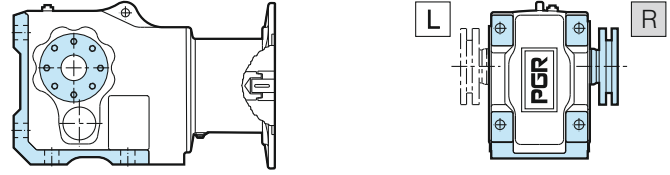
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, Flange B14, With motor



**PKD 1390... DA / KS-B14 - IEC 63** R

**Delik millî, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişli, IEC adaptörlü redüktör**

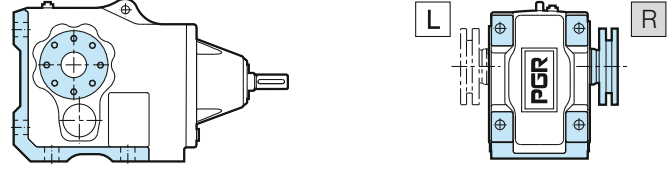
Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, Flange B14, With IEC adapter



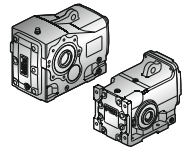
**PKD 1390... DA / KS-B14 - W** R

**Delik millî, Ayak montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişli, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Foot mounted, Shrink disc connector, Triple reduction, Flange B14, With free input shaft

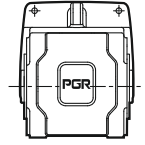
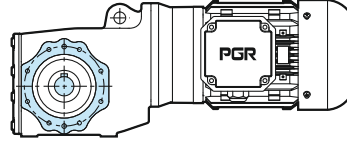


**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



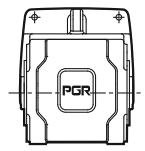
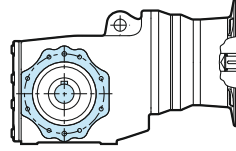
1) PKD B 0290... DG / B14 - 63 M / 4

Delik milli, Gövdeden montajlı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, Motorlu redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Double reduction, Flange B14, With motor



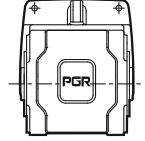
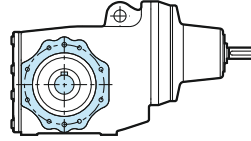
PKD B 0290... DG / B14 - IEC 63

Delik milli, Gövdeden montajlı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Double reduction, Flange B14, With IEC adapter



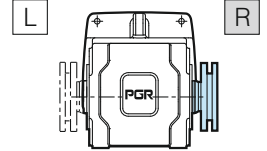
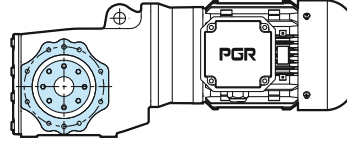
PKD B 0290... DG / B14 - W

Delik Milli, Gövdeden Montajlı, İki Kademeli,  
B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Double reduction, Flange B14, With free input shaft



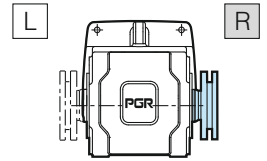
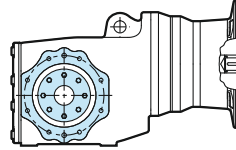
2) PKD B 0290... DG / KS-B14 - 63 M / 4 R

Delik milli, Gövdeden montajlı, Konik sıkırtmalı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, Motorlu redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Double reduction, Flange B14,  
With motor.



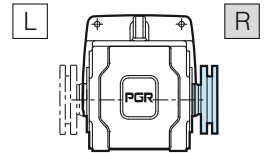
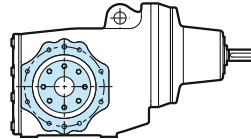
PKD B 0290... DG / KS-B14 - IEC 63 R

Delik milli, Gövdeden montajlı, Konik sıkırtmalı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Double reduction, Flange B14,  
With IEC adapter



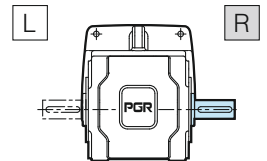
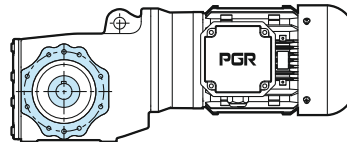
PKD B 0290... DG / KS-B14 - W R

Delik milli, Gövdeden montajlı, Konik sıkırtmalı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör  
Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Double reduction, Flange B14,  
With free input shaft



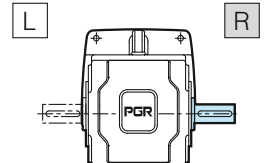
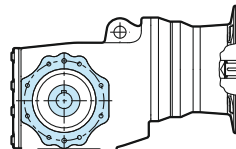
3) PKD B 0290... TMG / B14 - 63 M / 4 R

Tek mil çıkışlı, Gövdeden montajlı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, Motorlu redüktör  
Helical bevel gear unit, Solid shaft, Case mounted,  
Double reduction, Flange B14, With motor



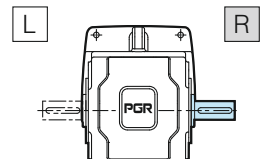
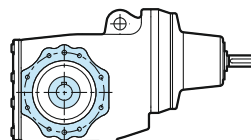
PKD B 0290... TMG / B14 - IEC 63 R

Tek mil çıkışlı, Gövdeden montajlı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör  
Helical bevel gear unit, Solid shaft, Case mounted,  
Double reduction, Flange B14, With IEC adapter

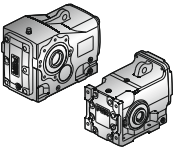


PKD B 0290... TMG / B14 - W R

Tek mil çıkışlı, Gövdeden montajlı, İki kademeli,  
B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör  
Helical bevel gear unit, Solid shaft, Case mounted,  
Double reduction, Flange B14, With free input shaft



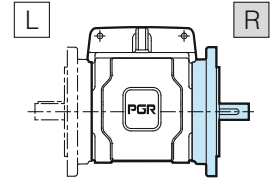
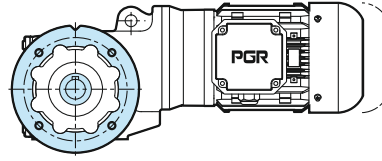
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



**4) PKD B 0290... TMG / B5 - 63 M / 4**

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, Motorlu redüktör**

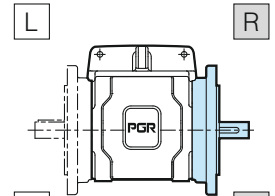
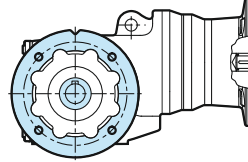
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Double reduction, With motor



**PKD B 0290... TMG / B5 - IEC 63**

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

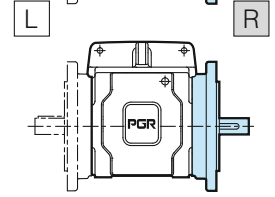
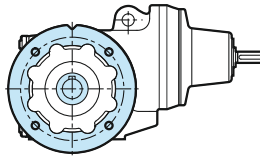
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Double reduction, With IEC adapter



**PKD B 0290... TMG / B5 - W**

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, W kovanlı redüktör**

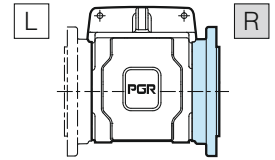
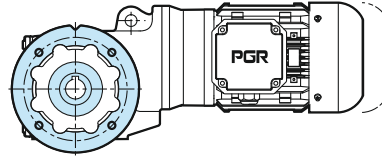
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Double reduction, With free input shaft



**5) PKD B 0290... DG / B5 - 63 M / 4** R

**Delik milli, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, Motorlu redüktör**

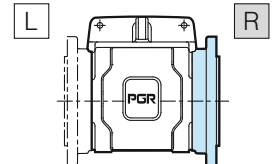
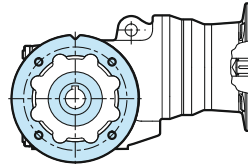
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Double reduction, With motor



**PKD B 0290... DG / B5 - IEC 63** R

**Delik milli, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

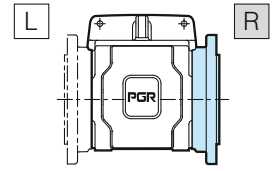
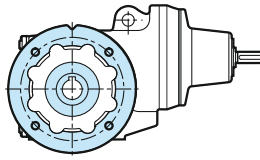
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Double reduction, With IEC adapter



**PKD B 0290... DG / B5 - W** R

**Delik milli, Gövdeden montajlı, B5 flanşlı, İki kademeli, Helisel konik dişlili, W kovanlı redüktör**

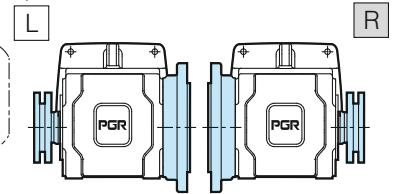
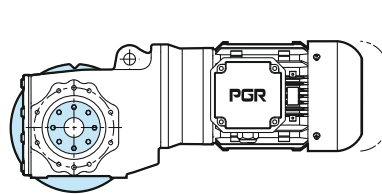
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Double reduction, With free input shaft



**6) PKD B 0290... DG / KS-B5 - 63 M / 4** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, İki kademeli, Helisel konik dişlili, Motorlu redüktör**

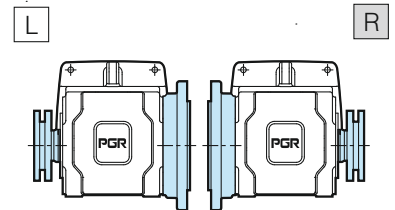
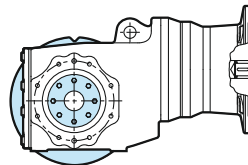
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Double reduction, With motor



**PKD B 0290... DG / KS-B5 - IEC 63** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, İki kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

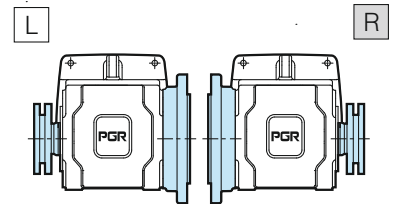
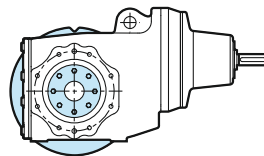
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Double reduction, With IEC adapter



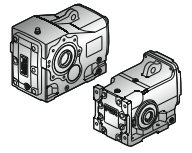
**PKD B 0290... DG / KS-B5 - W** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, İki kademeli, Helisel konik dişlili, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Double reduction, With free input shaft



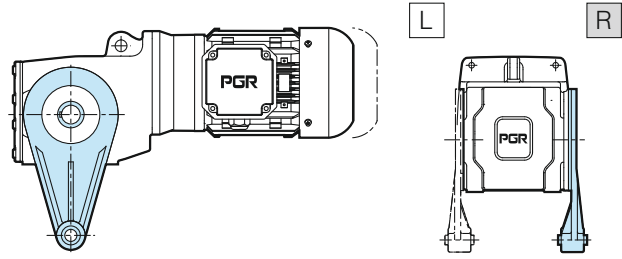
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



9) PKD B 0290... DG / TK - 63 M / 4 R

Delik milli, Gövdeden montajlı, Tork kolu,  
İki kademeli, Helisel konik dişlili,  
Motorlu redüktör

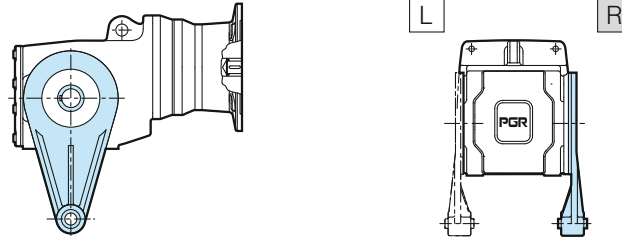
Helical bevel gear unit, Hollow shaft, Case mounted,  
Torque arm, Double reduction, With motor



PKD B 0290... DG / TK - IEC R

Delik milli, Gövdeden montajlı, Tork kolu,  
İki kademeli, Helisel konik dişlili,  
IEC adaptörlü redüktör

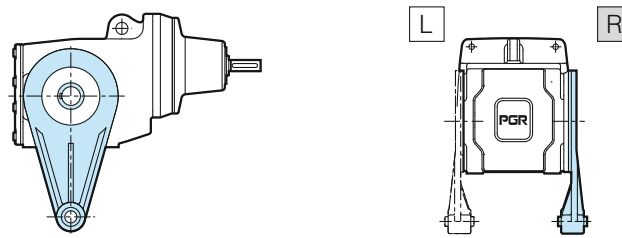
Helical bevel gear unit, Hollow shaft, Case mounted,  
Torque arm, Double reduction, With IEC adapter



PKD B 0290... DG / TK - W R

Delik milli, Gövdeden montajlı, Tork kolu,  
İki kademeli, Helisel konik dişlili,  
W kovanlı redüktör

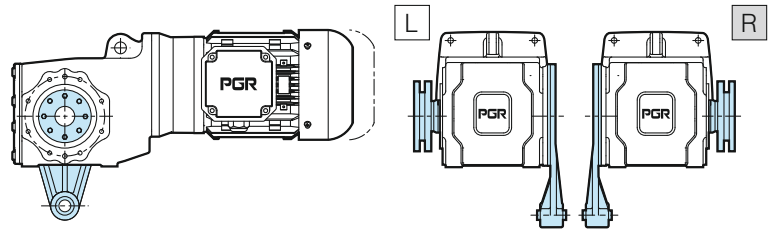
Helical bevel gear unit, Hollow shaft, Case mounted,  
Torque arm, Double reduction, With free input shaft



10) PKD B 0290... DG / KS-TK - 63 M / 4 R

Delik milli, Gövdeden montajlı, Konik sıkırmalı,  
Tork kolu, İki kademeli, Helisel konik dişlili,  
Motorlu redüktör

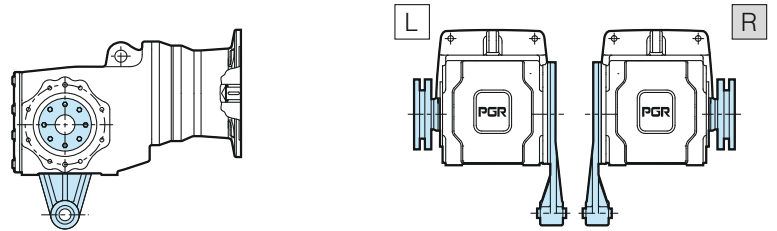
Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Torque arm, Double reduction,  
With motor



PKD B 0290... DG / KS-TK - IEC R

Delik milli, Gövdeden montajlı, Konik sıkırmalı,  
Tork kolu, İki kademeli, Helisel konik dişlili,  
IEC adaptörlü redüktör

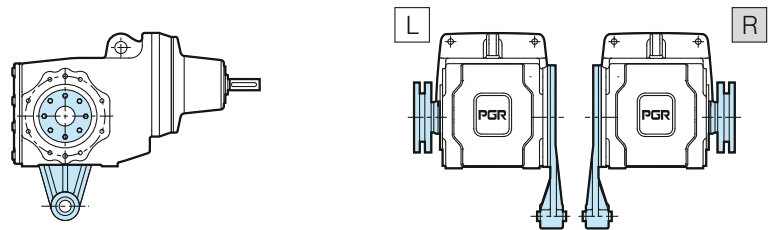
Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Torque arm, Double reduction,  
With IEC adapter



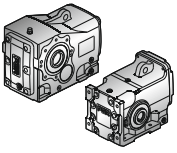
PKD 1390... DG / KS-TK - W R

Delik milli, Gövdeden montajlı, Konik sıkırmalı,  
Tork kolu, İki kademeli, Helisel konik dişlili,  
W kovanlı redüktör

Helical bevel gear unit, Hollow shaft, Case mounted,  
Shrink disc connector, Torque arm, Double reduction,  
With free input shaft

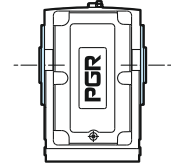
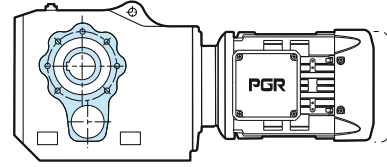


**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



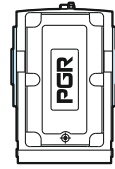
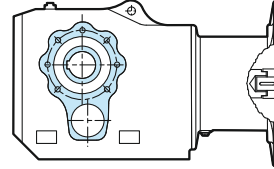
**1) PKD 1390... DG / B14 - 63 M / 4**

**Delik milli, Gövdeden montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Flange B14, With motor



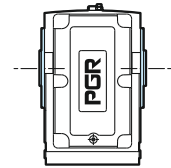
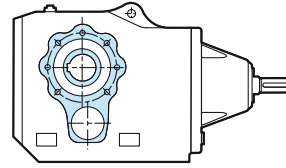
**PKD 1390... DG / B14 - IEC 63**

**Delik milli, Gövdeden montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Flange B14, With IEC adapter



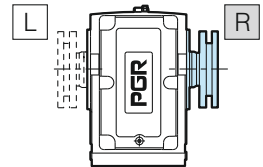
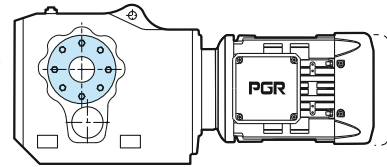
**PKD 1390... DG / B14 - W**

**Delik Milli, Gövdeden Montajlı, Üç Kademeli, B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Flange B14, With free input shaft



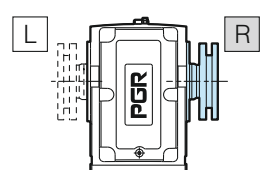
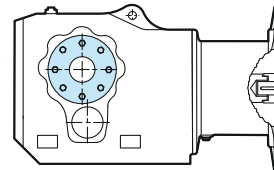
**2) PKD 1390... DG / KS-B14 - 63 M / 4** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Flange B14, With motor.



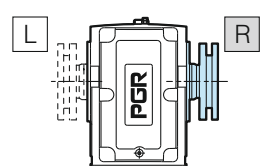
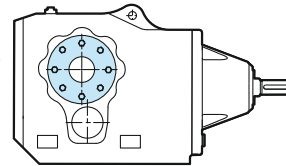
**PKD 1390... DG / KS-B14 - IEC 63** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Flange B14, With IEC adapter



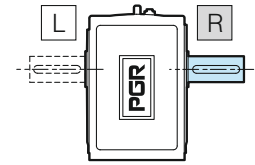
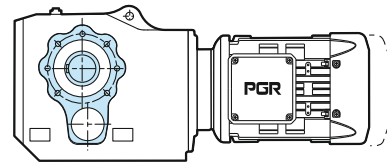
**PKD 1390... DG / KS-B14 - W** R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Flange B14, With free input shaft



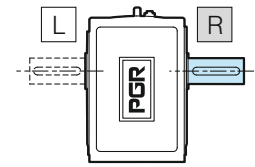
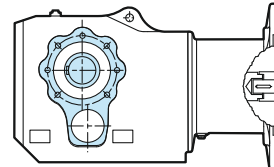
**3) PKD 1390... TMG / B14 - 63 M / 4** R

**Tek mil çıkışlı, Gövdeden montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, Motorlu redüktör**  
Helical bevel gear unit, Solid shaft, Case mounted, Triple reduction, Flange B14, With motor



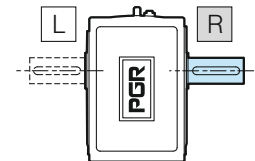
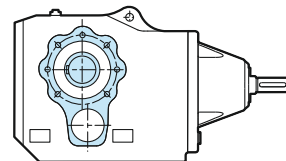
**PKD 1390... TMG / B14 - IEC 63** R

**Tek mil çıkışlı, Gövdeden montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, IEC adaptörlü redüktör**  
Helical bevel gear unit, Solid shaft, Case mounted, Triple reduction, Flange B14, With IEC adapter



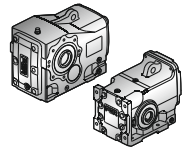
**PKD 1390... TMG / B14 - W** R

**Tek mil çıkışlı, Gövdeden montajlı, Üç kademeli, B14 flanşlı, Helisel konik dişlili, W kovanlı redüktör**  
Helical bevel gear unit, Solid shaft, Case mounted, Triple reduction, Flange B14, With free input shaft



**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.

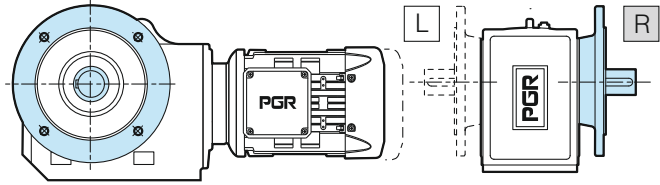




4) PKD 1390... TMG / B5 - 63 M / 4

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

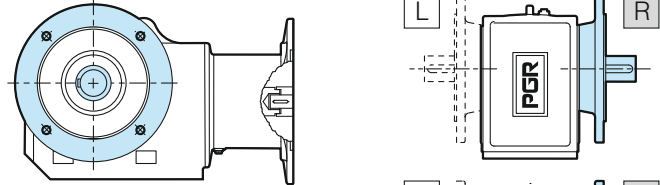
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Triple reduction, With motor



PKD 1390... TMG / B5 - IEC 63

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

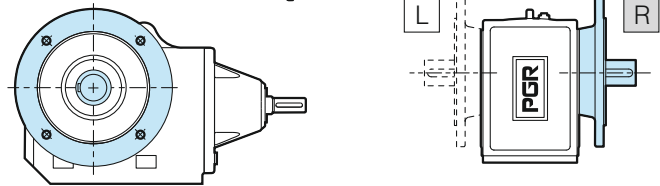
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Triple reduction, With IEC adapter



PKD 1390... TMG / B5 - W

**Tek mil çıkışlı, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

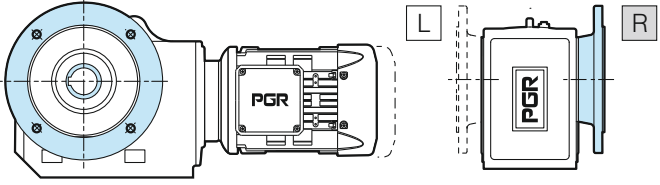
Helical bevel gear unit, Solid shaft, Case mounted, Flange B5, Triple reduction, With free input shaft



5) PKD 1390... DG / B5 - 63 M / 4 R

**Delik milli, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

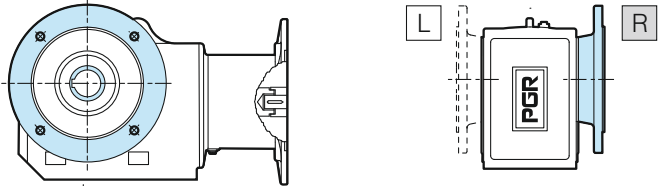
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Triple reduction, With motor



PKD 1390... DG / B5 - IEC 63 R

**Delik milli, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

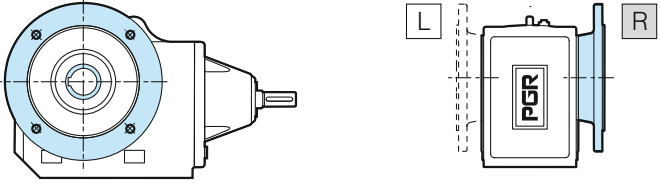
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Triple reduction, With IEC adapter



PKD 1390... DG / B5 - W R

**Delik milli, Gövdeden montajlı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

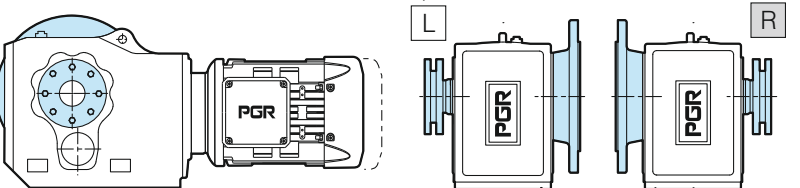
Helical bevel gear unit, Hollow shaft, Case mounted, Flange B5, Triple reduction, With free input shaft



6) PKD 1390... DG / KS-B5 - 63 M / 4 R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

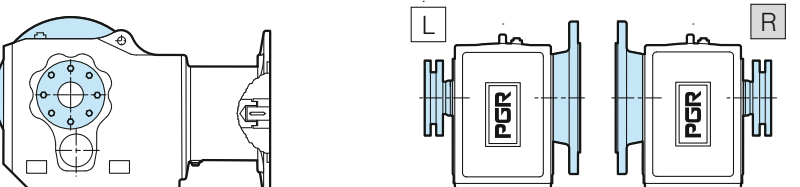
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Triple reduction, With motor



PKD 1390... DG / KS-B5 - IEC 63 R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

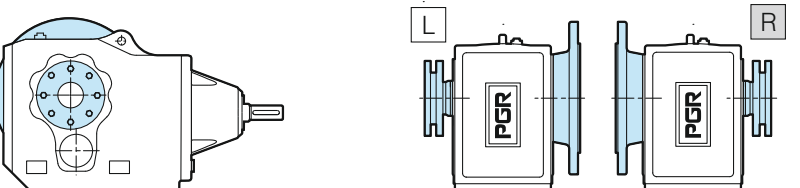
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Triple reduction, With IEC adapter



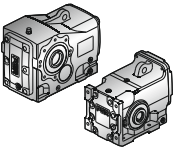
PKD 1390... DG / KS-B5 - W R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, B5 flanşlı, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Flange B5, Triple reduction, With free input shaft



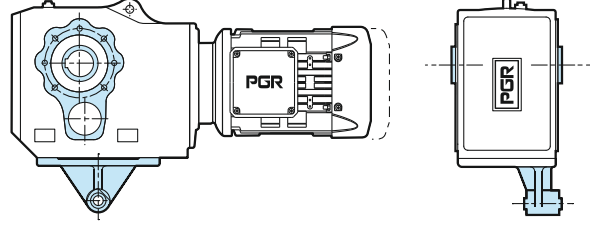
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



**7) PKD 1390... DG / TKP-B14 - 63 M / 4**

**Delik millî, Gövdeden montajlı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, Motorlu redüktör**

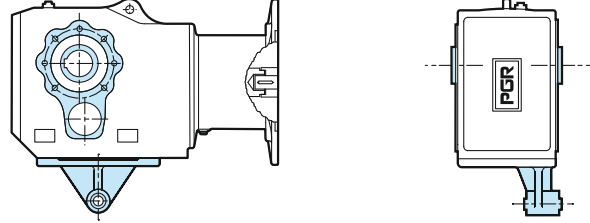
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Torque arm platform, Flange B14, With motor



**PKD 1390... DG / TKP-B14 - IEC 63**

**Delik millî, Gövdeden montajlı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, IEC adaptörlü redüktör**

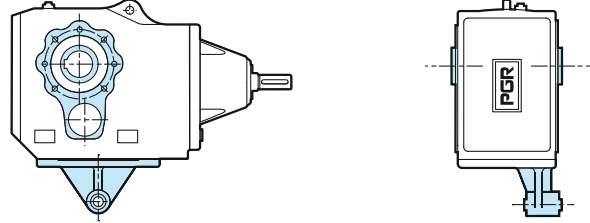
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Torque arm platform, Flange B14, With IEC adapter



**PKD 1390... DG / TKP-B14 - W**

**Delik millî, Gövdeden montajlı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, W kovanlı redüktör**

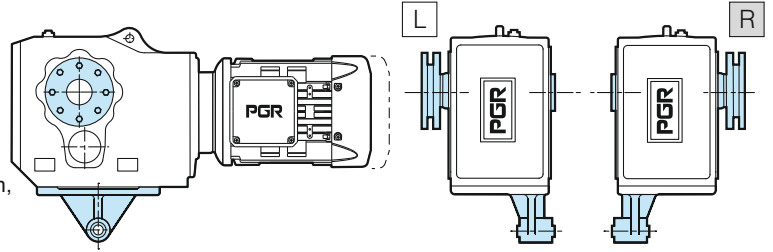
Helical bevel gear unit, Hollow shaft, Case mounted, Triple reduction, Torque arm platform, Flange B14, With free input shaft



**8) PKD 1390...DG / KS-TKP-B14 - 63 M / 4** R

**Delik millî, Gövdeden montajlı, Konik sıkırmalı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, Motorlu redüktör**

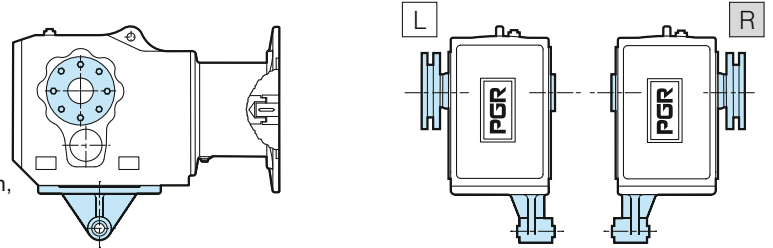
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Torque arm platform, Flange B14, With motor



**PKD 1390...DG / KS-TKP-B14 - IEC** R

**Delik millî, Gövdeden montajlı, Konik sıkırmalı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, IEC adaptörlü redüktör**

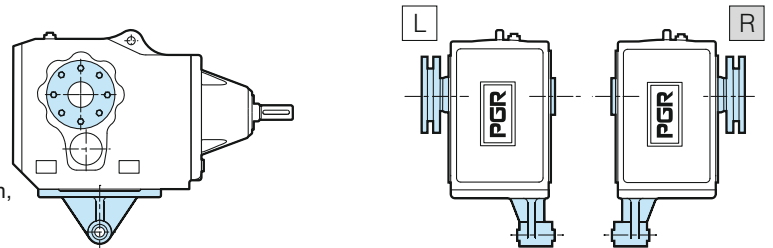
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Torque arm platform, Flange B14, With IEC adapter



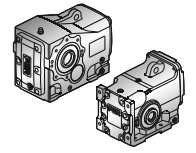
**PKD 1390...DG / KS-TKP-B14 - W** R

**Delik millî, Gövdeden montajlı, Konik sıkırmalı, Üç kademeli, Tork kolu platformu, B14 flanşlı, Helisel konik dişli, W kovanlı redüktör**

Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Triple reduction, Torque arm platform, Flange B14, With free input shaft



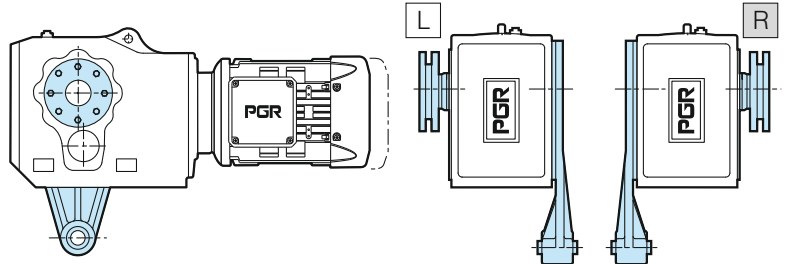
**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



9) PKD 1390... DG / KS-TK - 63 M / 4 R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Tork kolu, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

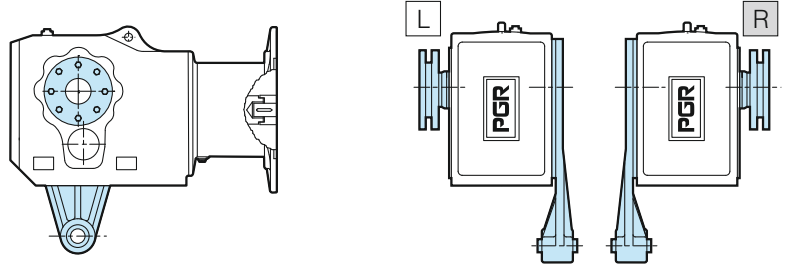
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Torque arm, Triple reduction, With motor



PKD 1390... DG / KS-TK - IEC R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Tork kolu, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

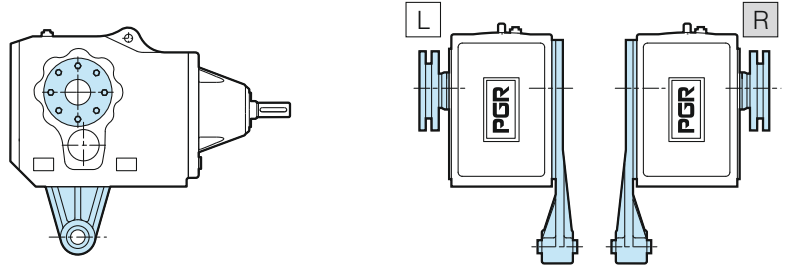
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Torque arm, Triple reduction, With IEC adapter



PKD 1390... DG / KS-TK - W R

**Delik milli, Gövdeden montajlı, Konik sıkırtmalı, Tork kolu, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

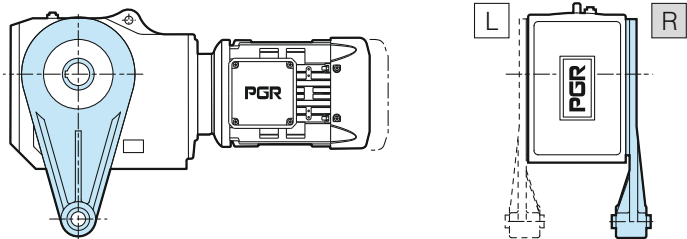
Helical bevel gear unit, Hollow shaft, Case mounted, Shrink disc connector, Torque arm, Triple reduction, With free input shaft



10) PKD 1390... DG / TK - 63 M / 4 R

**Delik milli, Gövdeden montajlı, Tork kolu, Üç kademeli, Helisel konik dişlili, Motorlu redüktör**

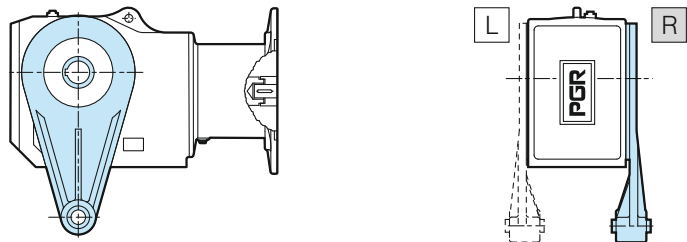
Helical bevel gear unit, Hollow shaft, Case mounted, Torque arm, Triple reduction, With motor



PKD 1390... DG / TK - IEC R

**Delik milli, Gövdeden montajlı, Tork kolu, Üç kademeli, Helisel konik dişlili, IEC adaptörlü redüktör**

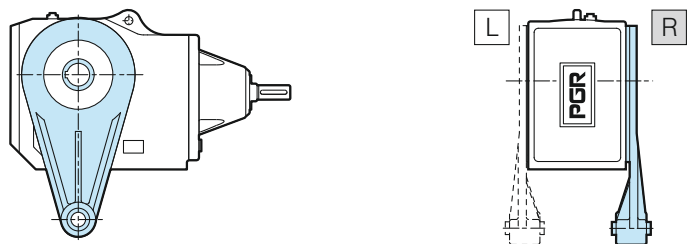
Helical bevel gear unit, Hollow shaft, Case mounted, Torque arm, Triple reduction, With IEC adapter



PKD 1390... DG / TK - W R

**Delik milli, Gövdeden montajlı, Tork kolu, Üç kademeli, Helisel konik dişlili, W kovanlı redüktör**

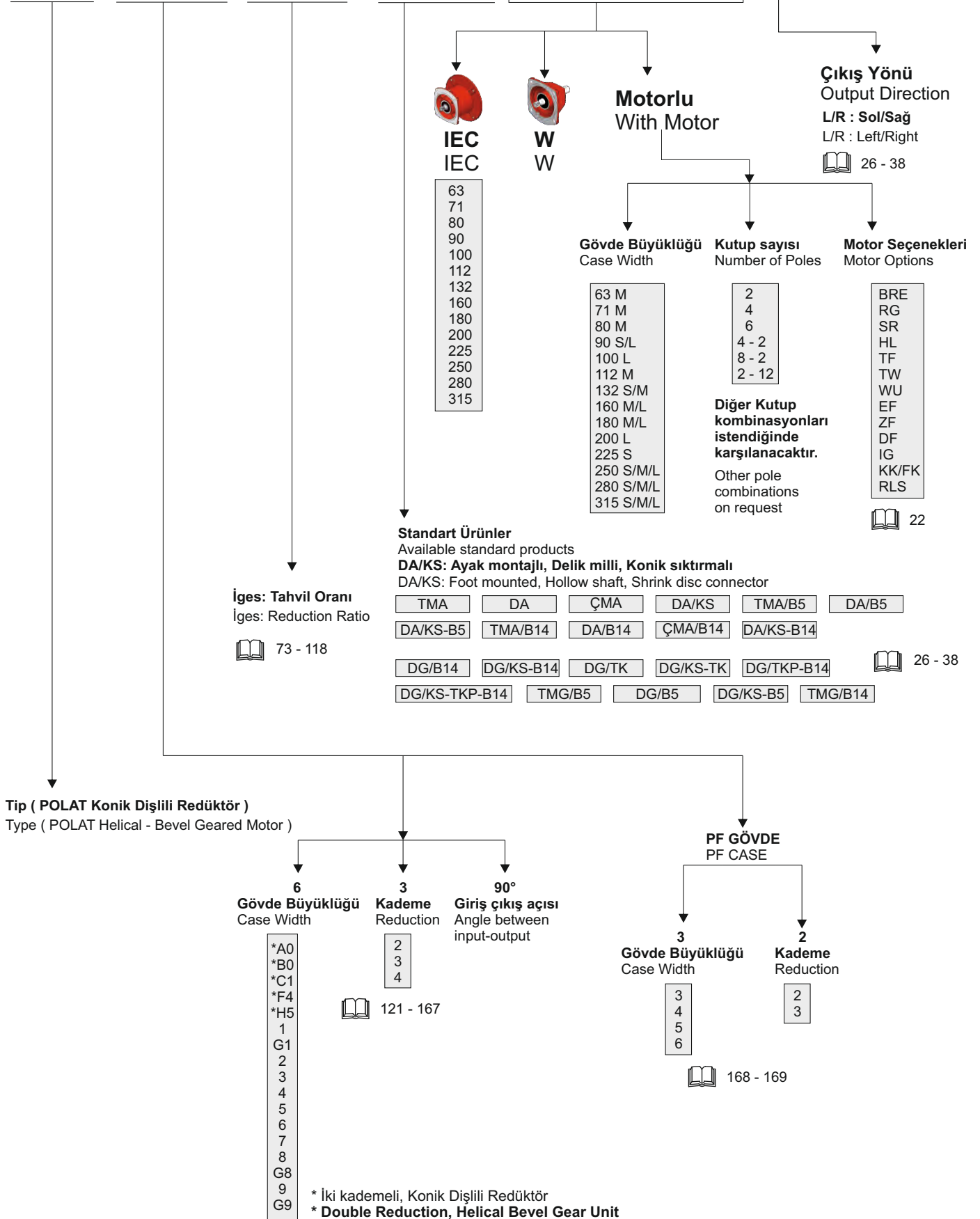
Helical bevel gear unit, Hollow shaft, Case mounted, Torque arm, Triple reduction, With free input shaft

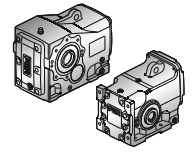


**Not : L ve R çıkış yönünü göstermektedir.**  
Note: L and R shows that output direction.



**P K D 6390/32 297.35 D A / K S - 90 S / 4 BRE R**





## YAĞLAMA

Çalıştırmadan veya uzun süreli olarak depoya kaldırmadan önce ventildeki tapa sökülüp, havalandırma tapası takılarak aşırı basınç ve yağ sızıntısı önlenmelidir.

Redüktörler fabrikadan çalışmaya hazır ve mineral yağ doldurulmuş olarak gönderilirler. Bütün dişli üniteler aşağıdaki tablonun ortam sıcaklığı sütununda listesi verilen yağlayıcı (normal) ile dolu olarak sevk edilirler. Diğer ortam sıcaklıkları için listede verilen yağlayıcılar ek ücret karşılığında temin edilebilir.

Yağlayıcı her 10 000 çalışma saatinde veya 2 yıl sonra değiştirilmelidir. Sentetik yağlar için yağ değişikliği her 20000 çalışma saatinde veya 4 yıl sonra yapılmalıdır. Zorlu çalışma koşullarında örneğin yüksek rutubet ve büyük sıcaklık değişimleri ve kötü çevre şartları gibi durumlarda daha kısa aralıklarla yağ değişimi yapılması tavsiye edilir. Yağ değişiminin üniteyi komple temizleme işlemi ile birleştirilmesi önerilir. Rulman içerisindeki gres her 10000 çalışma saatinde değiştirilmeli ve yeni gres ile doldurulmalıdır. Bu işlem yapılırken rulmanın 1/3 ünün gresle dolu olması sağlanmalıdır.

## LUBRICATION

Lubricating oil properties and selection of oil must be correct for the reducers to have long life and to run with good performance. In order to prevent oil leakage during long period storage due to inner pressure, top plug should be removed according to assembly type and venting plug should be mounted.

Reducers are delivered as being filled with mineral oil. Following tables are presented properties of oils depend on ambient temperature. Gear units which is W or IEC adapter type and gear motors are charged with lubricant. Ambient temperature is played important role for choosing lubricant. Relation between ambient temperature and properties of oils are shown in table.

Lubricants must be changed every 10000 hours or after two years, but this time changes when synthetic oil is used. Lubricants must be changed every 20000 hours or after four years where synthetic oil is used. However, operating conditions should be considered for changing oil time eg. in aggressive environment large temperature changing, oil must be changed frequently. For bearings grease should be changed every 10000 running time and it should be done with fresh grease and least 1/3 of bearing must be covered.

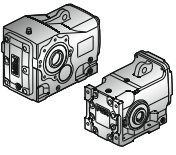
**Not: Sentetik ve mineral yağlayıcılar birbirine karıştırılmamalıdır.**

Note: Consider that different kind of oil ( synthetic and mineral oil) should not be mixed.

Redüktör Tipi Type of gearbox	Yağ Tipi Type of Lubricant	Ortam Sıcaklığı Ambient Temp. °C	ISO vizkozite sınıfı ISO viscosity class	SHELL	MOBİL	BP	ESSO	DEA	ARAL	CASTROL	TRIBOL	KLÜBER
Helisel Dişli Redüktör	Mineral yağ	- 5...40 Normal	ISO VG 220	Shell Omala Oel 220	Mobilgear 630	Energol GR-XP 220	Spartan EP 220	Deagear DX SAE 85W-90 Falcon CLP 220	Degol BG 220	Alpha SP 220 Alpha MW 220 Alpha MAX 220	Tribol 1100/220	Klüberoil GEM 1-220
	Mineral oil	- 15...25	ISO VG 100	Shell omala Oel 100	Mobilgear 627	Energol GR-XP 100	Spartan EP 100	Deagear DX SAE 80W Falcon CLP 150	Degol BG 100	Alpha SP 100 Alpha MW 100 Alpha MAX 220	Tribol 1100/100	Klüberoil GEM 1-100
	Sentetik yağ Synthetic oil	# - 50...-15	ISO VG 15	Shell Tellus Oel T 15	Mobil DTE 11 M	Bartran HV 15	Univis J 13	Alkraft Hydraulic Oil 15	Vitamol 1010	Hyspin AWS 15 Hyspin SP 15 Hyspin ZZ 15	Tribol 770	Isoflex MT 30 rot
	Biyolojik Sentetik yağ Biodegradable oil	- 25...80	ISO VG 220	Shell Tivela Oel WB	Glygoyle 30	Enersyn SG-XP 220	ESSO Glycolube 220	Polydea PGLP 220	Degol GS 220	Alphasyn PG 220	Tribol 800/220	Klübersynth GH 6 - 220
Helical Gearboxes	Gıda yağları Food - grade oil	- 25...80	ISO VG 220	Cassida 220			GEAR OIL FM 220	Renolin 220	Degol FG 220	OPTIMOL optileb GE 220	Tribol Food Proof 1810/220	Klüberoil 4UH1 - 220
	Akışkan sentetik gres Synthetic fluid grease	- 35...60		Shell Tivela compound A	Glygoyle Grease 00	Enersyn GSF	Fliessfett S 420	Glissando 6833 EP 00	Aralub SKA 00	Alpha Gel 00	Tribol 800/1000	Klübersynth GE 46 -1200
	Mineral yağlı gres Mineral oil grease	- 30...60 Normal		Alvania Fett R 3 oder	Mobilux 3	Energrease LS 3	Beacon 3	Glissando 30 Glissando 20	Aralub HL 3 Aralub HL 2	Spheerol AP 3 Spheerol AP 2 LZV - EP	Tribol 3030/100-2 Tribol 4020/220-2	Centoplex 3 Centoplex 2
Anti Friction Bearings	Sentetik gres Synthetic grease	# - 50...110		Alvania Fett RL 3	Mobilux 2	Energrease LS 2	Beacon 2	Glissando FT 3	Aralub BAB EP 2	Spheerol EPL 2	Tribol 3785	
		# - 50...110		Aero Shell Grease 16 oder 7	Mobiltemp SHC 32		Beacon 325	Discor 8 - EP 2	Aralub SKL 2	Product 783/46	Tribol 3499	Isoflex Topas NB52

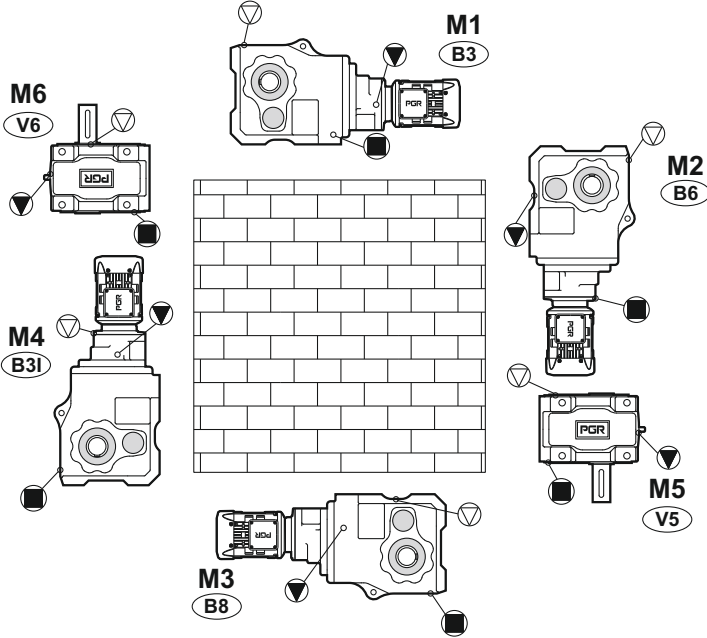
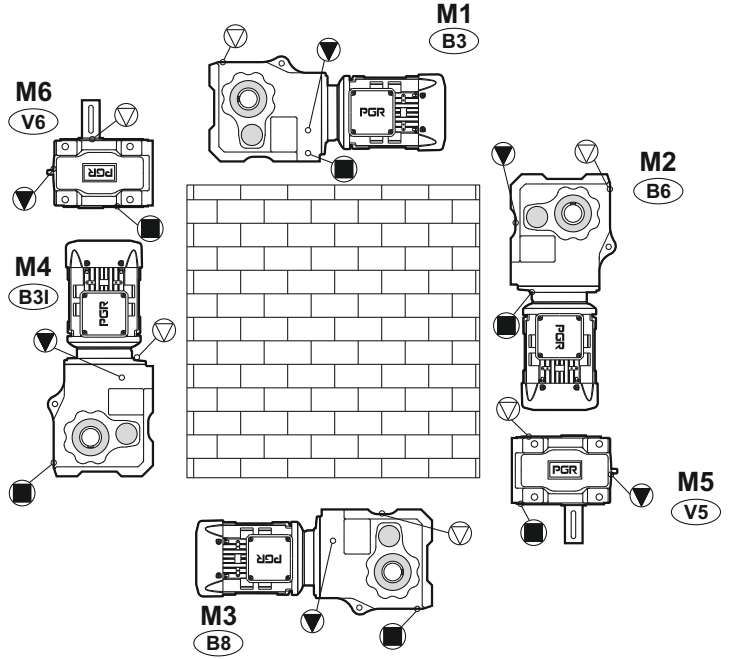
# -30° C altında ve 60° C üzerindeki ortam sıcaklıklarında şafttaki sızdırmazlık elemanı için özel kalitedeki malzeme kullanılmalıdır.

# Different materials should be used for sealing rings at operation temperature where temperature is below -30 °C and above 60 °C.

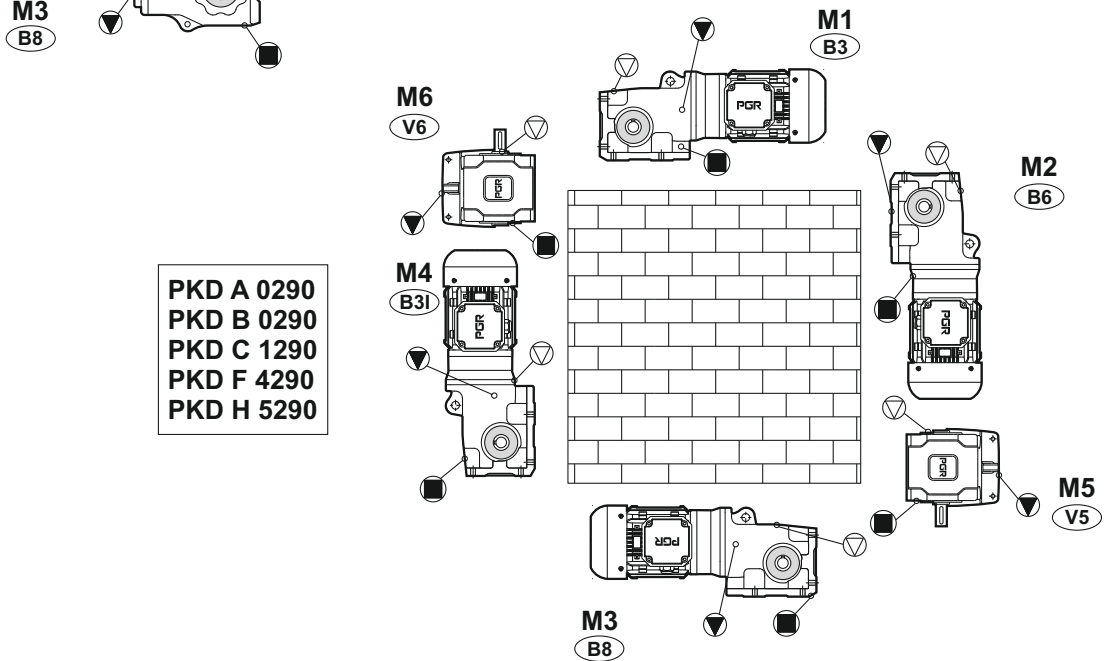


**AYAK MONTAJLI / FOOT MOUNTED**

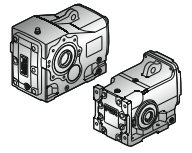
PKD 1390  
PKD G 1390  
PKD 2390  
PKD 3390  
PKD 4390  
PKD 5390  
PKD 6390  
PKD 7390  
PKD 8390  
PKD G 8390  
PKD 9390  
PKD G 9390



PKD 1490  
PKD G 1490  
PKD 2490  
PKD 3490  
PKD 4490  
PKD 5490

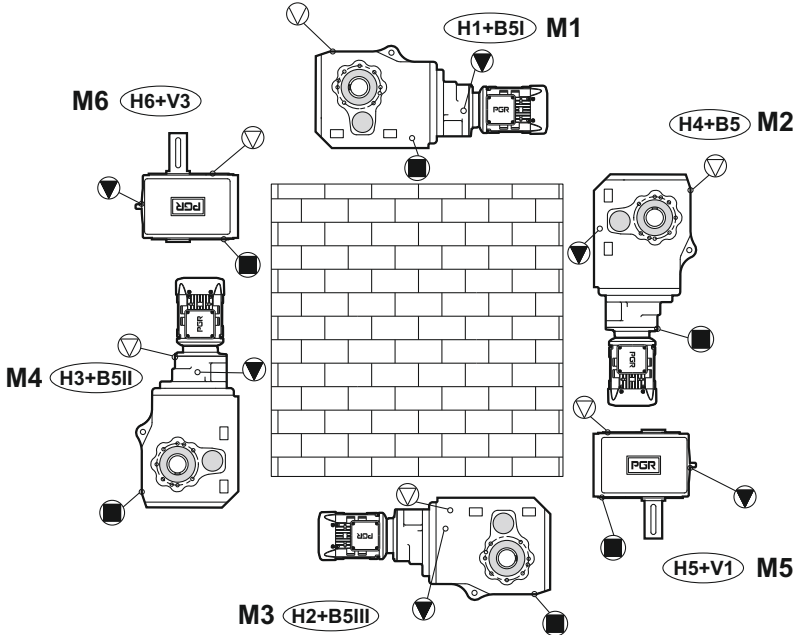
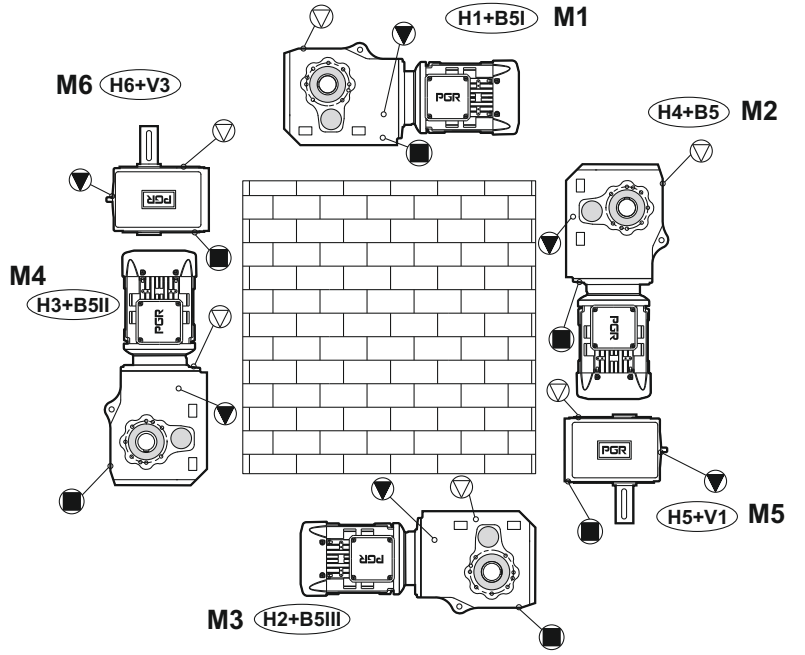


PKD A 0290  
PKD B 0290  
PKD C 1290  
PKD F 4290  
PKD H 5290



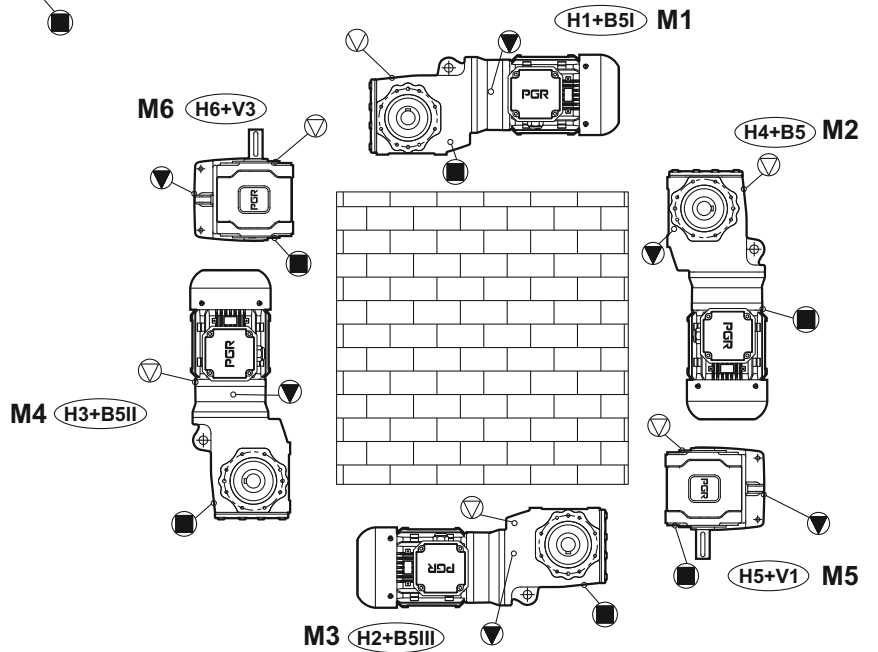
GÖVDEDEN MONTAJLI / CASE MOUNTED

PKD 1390  
PKD G 1390  
PKD 2390  
PKD 3390  
PKD 4390  
PKD 5390  
PKD 6390  
PKD 7390  
PKD 8390  
PKD G 8390  
PKD 9390  
PKD G 9390

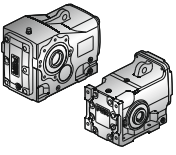


PKD 1490  
PKD G 1490  
PKD 2490  
PKD 3490  
PKD 4490  
PKD 5490

PKD A 0290  
PKD B 0290  
PKD C 1290  
PKD F 4290  
PKD H 5290



⊕ Havalandırma tapası / Vent plug   ⊖ Boşaltma tapası / Drain plug   ▼ Yağ Seviye tapası / Oil level



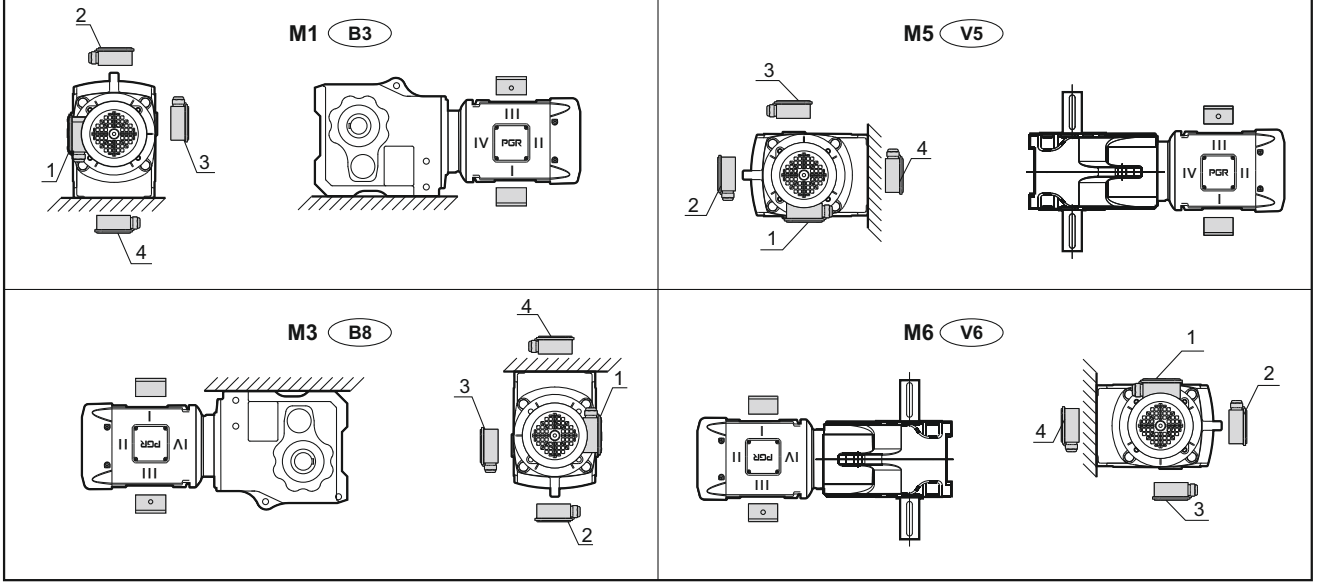
# M4 montaj pozisyonunda ilave yağlama ünitesi kullanılır

# Mounting position M4 with additional lubricant volume

65

Tabloda gösterilen bu montaj pozisyonları helisel konik dişli redüktörlerin W kovani ve IEC adaptör olanlar için de geçerlidir.

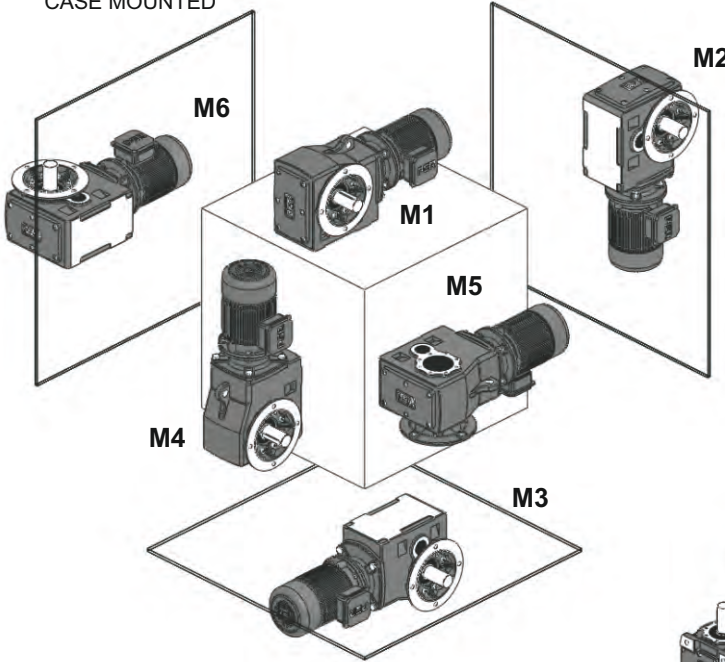
Mounting positions which are shown below of this page are used for all types of helical-bevel gear units. (Type W cylinder, IEC adapter and geared motor)



Montaj yüzeyi / Mounting surface

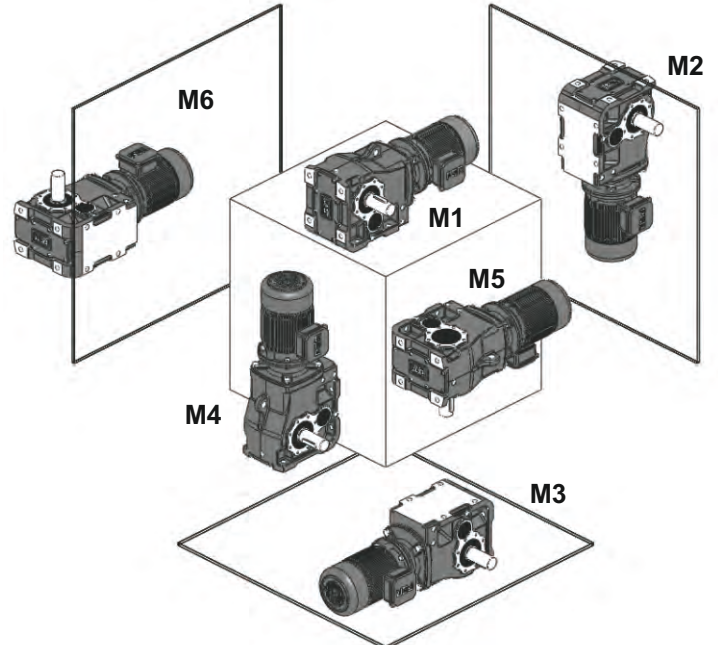
**GÖVDEDEN MONTAJLI**

CASE MOUNTED

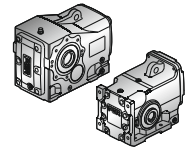




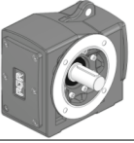


**AYAK MONTAJLI**

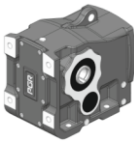

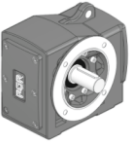


FOOT MOUNTED





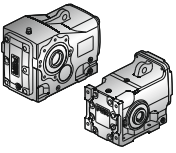


(Litre) (L)	AYAK MONTAJLI FOOT MOUNTED 						GÖVDEDEN MONTAJLI CASE MOUNTED  					
	M1	M2	M3	M4	M5	M6	M1	M2	M3	M4	M5	M6
 43												
 41 - 42	B3	B6	B8	B3I	V5	V6	B5I	B5	B5III	B5II	V1	V3
							H1	H4	H2	H3	H5	H6
<b>PKD A 0290</b>	0.45	0.65	0.55	0.55	0.45	0.45	0.45	0.65	0.55	0.55	0.45	0.45
<b>PKD B 0290</b>	0.65	0.95	1	1.15	0.8	0.67	0.55	1	0.95	1.1	0.8	0.7
<b>PKD C 1290</b>	0.95	1.35	1.5	1.65	1.25	1.25	1.2	1.55	1.25	1.75	1.2	1.2
<b>PKD F 4290</b>	1.85	3.55	3.25	3.45	2.65	2.65	1.6	2.85	2.55	3.35	2.5	2.5
<b>PKD H 5290</b>	2.35	4.55	4.65	5.35	4.15	4.15	2.8	4.45	4.55	5.6	3.55	3.55
<b>PKD 1390</b>	0.75	1.65	2	2.5	1.25	1.75	0.75	2	2.3	2.5	1.25	1.75
<b>PKD G 1390</b>	0.75	1.65	2	2.5	1.25	1.75	0.75	2	2.3	2.5	1.25	1.75
<b>PKD 2390</b>	1.35	2.65	3.55	4.3	2.05	2.9	1.35	2.65	3.9	4.3	2.05	2.9
<b>PKD 3390</b>	1.75	4.85	6.5	6.8	4.15	5.15	2	5.3	6.5	7.4	3.35	5.15
<b>PKD 4390</b>	4.45	8.75	10.1	9.9	6.85	7.55	3.65	9.8	11.5	11.6	6.55	8.25
<b>PKD 5390</b>	6.6	16.1	19.1	21.6	11.1	15.6	7.6	16.6	20.1	23.6	11.6	18.1
<b>PKD 6390</b>	10.5	28	32.5	36.5	18.5	24.5	12.5	28	33.5	39	19.5	26.5
<b>PKD 7390</b>	10.5	28	32.5	36.5	18.5	24.5	12.5	28	33.5	39	19.5	26.5
<b>PKD 8390</b>	17.5	52	63	72	33.5	47	21.5	54.5	66.5	80.5	38.5	52.5
<b>PKD G 8390</b>	26.5	73.5	85.5	102.5	48.5	62.5	36.5	78.5	91.5	101.5	53.5	76.5
<b>PKD 9390</b>	36.5	157.5	170.5	172.5	80.5	90.5	40.5	130.5	154.5	175.5	82.5	91.5
<b>PKD G 9390</b>	99	188	195	255	110	153	99	188	194	258	114	157

(Litre) (L)	AYAK MONTAJLI FOOT MOUNTED 						GÖVDEDEN MONTAJLI CASE MOUNTED  					
	M1	M2	M3	M4	M5	M6	M1	M2	M3	M4	M5	M6
 43												
 41 - 42	B3	B6	B8	B3I	V5	V6	B5I	B5	B5III	B5II	V1	V3
							H1	H4	H2	H3	H5	H6
<b>PKD 1490</b>	1.25	2.1	2.25	3.10	1.5	2	1.25	2.35	2.25	3.1	1.5	2
<b>PKD G 1490</b>	1.25	2.1	2.25	3.10	1.5	2	1.25	2.4	2.25	3.1	1.5	2
<b>PKD 2490</b>	2.5	3.1	3.85	5.35	2.25	3.2	2.5	3.1	3.85	5.35	2.25	3.2
<b>PKD 3490</b>	3.35	6.65	7.1	7.9	4.4	5.2	3.85	5.75	7	8.6	3.7	5.7
<b>PKD 4490</b>	4.65	10.3	10.8	13	5.3	6.8	5.75	10.3	14.8	14.8	6.7	9.7
<b>PKD 5490</b>	10.1	17.1	20.1	24.3	11.6	16.6	12.6	18.1	26.6	26.6	13.1	17.1

**M1 Yeni Montaj Pozisyonu** The New Mounted Position

**B3 Eski Montaj Pozisyonu** The Old Mounted Position



### Kilit Sistemli Helisel Konik Dişlil Redüktör

Her helisel konik dişli redüktör kilit sistemli yapılabilir. Kilit sistemi yağlaması için ayrı bir yağlama sistemine gerek yoktur.

**Dikkat:** Çalıştırılmadan önce redüktör ve motorun dönüş yönleri herhangi bir kırılmaya karşı olabilecek riski önlemek için kontrol edilmelidir.

Çıkış şaftı sonundaki yüzeyin kilitleme yönüne göre gösterimi:

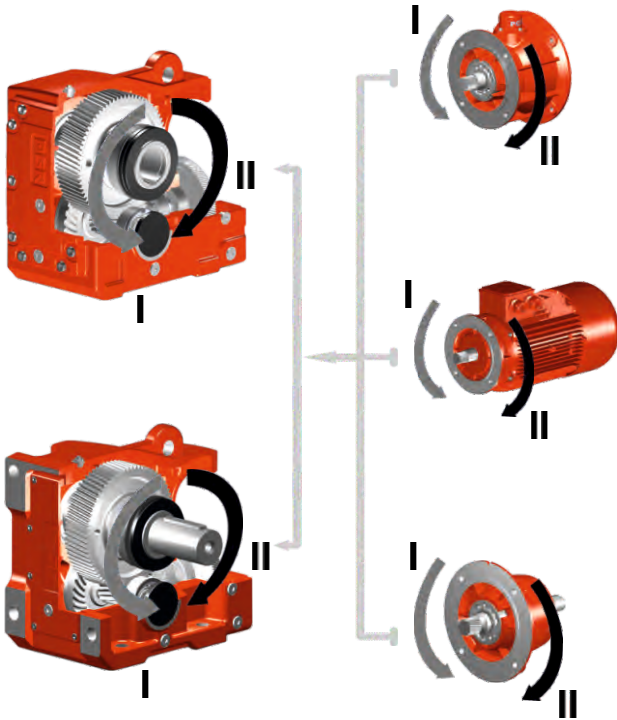
### Backstop System For Helical - Bevel Gear Unit

Backstop system is available for all type of helical - bevel gear unit. There is not require another lubricating system because, backstop is lubricated through the gear unit's oil.

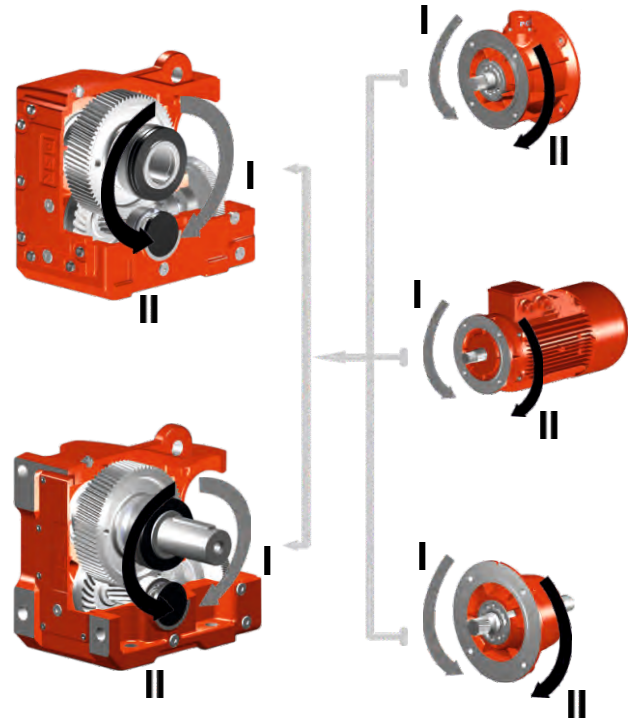
**Precaution:** When you receive gear units, please check direction of rotation before running or installation for avoid damage.

"I" and "II" signs are shown locking direction from viewing at face of output shaft.

CW : Saat yönü  
CCW : Saat yönü tersi

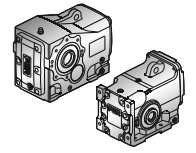


CW : Clockwise rotation  
CCW : Counterclockwise rotation



Bütün şaft tasarımları ve çift çıkışlı şaftlar için geçerlidir.

These designation is used for all hollow shaft design and output shaft on both sides.



**MOTOR VE REDÜKTÖRLERDE  
BOYUT - ÇİZİM BİLGİLERİ**

Motor ölçüleri istenen opsiyona göre ölçüleri değişebilir.

**DELİK MİLLİLER**

Delik mil çapı toleransı için ( DIN 748 ) ISO H7.  
Müşteri mili çap toleransı ISO h6.  
"H" yükleme tipi bulunuyorsa ISO k6.

**IEC - ADAPTÖR**


Flanş merkezi çap toleransı için ISO H7

**GİRİŞ VE ÇIKIŞ ŞAFTLARI**

Mil çapı toleransı ( DIN 748 ) :

Ø 14 ile Ø 50 mm arası için ISO k6,  
Ø 50 mm üzeri için ISO m6

Şaftta dış çekilmiş delikler için DIN 332/2 ye göre;

= Ø 13 - Ø 16	M5	
> Ø 16 - Ø 21	M6	
> Ø 21 - Ø 24	M8	
> Ø 24 - Ø 30	M10	
> Ø 30 - Ø 38	M12	 121 - 167
> Ø 38 - Ø 50	M16	
> Ø 50 - Ø 85	M20	
> Ø 85 - Ø 130	M24	

Kama yatakları DIN 6885

Şaft boyu "h" DIN 747

**FLANŞLAR**

Flanş merkezi çap toleransı ( DIN 42948 );

≤ Ø 230 mm' ye kadar ISO j6,  
> Ø 230 mm üzeri için ISO h6

**GEARED MOTORS AND GEARBOXES  
INFORMATION REFERRING TO  
DIMENSION - DRAWINGS**

Motor dimension could be changed according to customer purchase.

**HOLLOW SHAFTS**

Tolerance of hollow shaft (DIN 748) ISO H7.

Tolerance of customer's solid shaft which is used for hollow shaft ISO h6.  
With type of load classification 'H' which is heavyshock operation ISO k6.

**IEC - ADAPTER**


Diameter tolerance of flange centering is machined according to ISO H7.

**INPUT AND OUTPUT SHAFT**

Tolerances of solid shaft ( DIN 748 ) :

between Ø 14 - Ø 50 mm to ISO k6,  
greater than Ø 50 mm to ISO m6.

Tapped center hole is machined according to DIN 332, sheet 2 ;

= Ø 13 - Ø 16	M5	
> Ø 16 - Ø 21	M6	
> Ø 21 - Ø 24	M8	
> Ø 24 - Ø 30	M10	
> Ø 30 - Ø 38	M12	 121 - 167
> Ø 38 - Ø 50	M16	
> Ø 50 - Ø 85	M20	
> Ø 85 - Ø 130	M24	

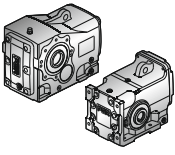
Keyways are machined according to DIN 6885, sheet 1

Shaft heights are machined according to "h" to DIN 747

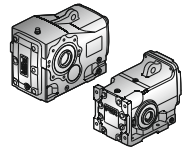
**FLANGES**

Diameter tolerance of flange centering is machined according to ( DIN 42948 );

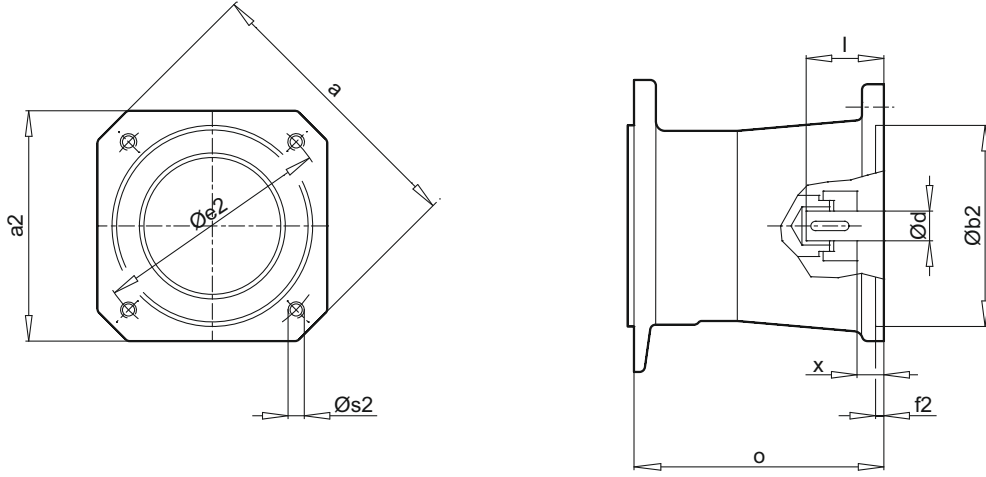
≤ Ø 230 mm to ISO j6,  
> Ø 230 mm to ISO h6



Ağırlıklar ( Yaklaşık ) / Approx. Weights															
TİP TYPE	W	IEC													
		63	71	80	90	100	112	132	160	180	200	225	250	280	315
PKD A 0290	6	8	9	11											
PKD B 0290	11	13	14	16	16										
PKD C 1290	18	19	20	22	22	27									
PKD F 4290	35	36	37	39	39	44	44	51							
PKD H 5290	44	44	45	47	47	52	52	59							
PKD 1490	41	42	43												
PKD 1390	35	36	37	41	41	48	48								
PKD G 1490	42	43	44												
PKD G 1390	36	37	38	42	42	49	49								
PKD 2490	49	50	51												
PKD 2390	44	45	46	49	49	56	56								
PKD 3490	73	74	75	78	78										
PKD 3390	71		69	73	73	77	77	86							
PKD 4490	137		134	139	139	143	143								
PKD 4390	131				126	133	133	148	159						
PKD 5490	218		216	221	221	225	225								
PKD 5390	210				205	212	212	227	237	237					
PKD 6390/32	382		380	384	384	389	389	398							
PKD 6390/42	411				405	413	413	427	438						
PKD 6390	378					365	365	379	405	405	420	436			
PKD 7390/32	382		380	384	384	389	389	398							
PKD 7390/42	411				405	413	413	427	438						
PKD 7390	378					365	365	379	405	405	420	436			
PKD 8390/42	690				685	692	692	707	718						
PKD 8390/52	717					719	719	734	744	744					
PKD 8390	737							658	685	685	700	716	774	774	859
PKD G 8390/52	982				976	984	984	999	1009	1009					
PKD G 8390	1002							923	950	950	965	981	1039	1039	1124
PKD 9390/52	1586				1580	1588	1588	1603	1613	1613					
PKD 9390	1606							1527	1554	1554	1569	1585	1643	1643	1728
PKD G 9390/63	1915			-	1886	1894	1894	1908	1919	1919	-	-	-		
PKD G 9390/62	1891			-	-	1902	1902	1916	1942	1942	1957	1972	-		
PKD G 9390	1882							1787	1813	1813	1828	1843	1902	1902	2008



**SERVOMOTOR MONTAJI İÇİN ADAPTÖR**  
**ADAPTER FOR MOUNTING SERVOMOTOR**



Redüktör Tipi Gear Unit Type	Motor Büyüklüğü / Motor Size							Şaft Ebatı Shaft Size		Silindir Cylinder	$M_{knom}$ [Nm]	Adaptör tipi Adapter type
	a	a2	b2	e2	f2	s2	x	d	l	o		
PKD 1390, G 1390, 2390	120	96	80	100	4	M6	15	19	40	124	10	Servo 100 / 160 S
PKD 1390, G 1390, 2390	165	126	110	130	4	M8	20	24	50	136	35	Servo 130 / 160 S
PKD 3390	155	126	110	130	4	M8	20	24	50	150	35	Servo 130 / 250 S
PKD 1390, G 1390, 2390	186	155	130	165	5	M10	23	32	58	151	95	Servo 165 / 160 S
PKD 3390	186	155	130	165	5	M10	23	32	58	166	95	Servo 165 / 250 S
PKD 3390	240	192	180	215	5	M12	45	38	80	187	95	Servo 215/ 250 S
PKD 4390, 5390	240	192	180	215	5	M12	24	38	80	229	310	Servo 215/ 300 S
PKD 4390, 5390	350	260	250	300	5	M16	26	48	82	231	310	Servo 300/ 300 S
PKD 6390, 7390, 8390, G 8390, 9390, G 9390	350	260	250	300	5	M16	26	48	82	249	310	Servo 300/ 350 S

SEP tipi servo motor bağlantı adaptörünün bağlantısı kamalı olarak yapılmaktadır. SEK tiplerinde ise servo motor adaptörünün bağlantısı setuskur civata sıkırtması ile yapılmaktadır.

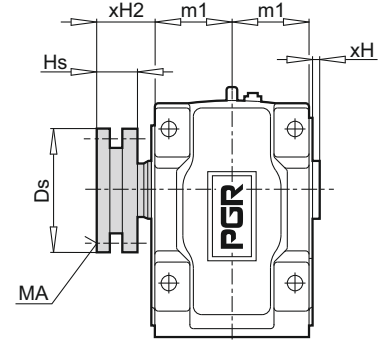
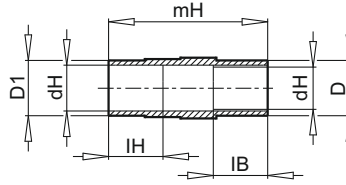
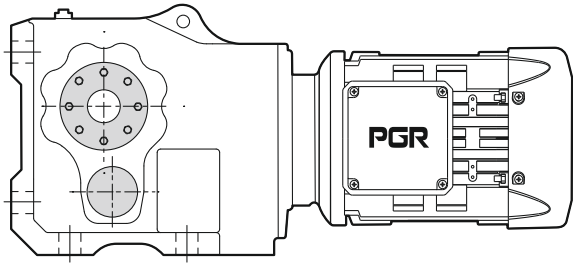
Servo motor bağlantı adaptörünün bağlantı flanşının farklı olması durumunda yüksek adetteki siparişler üretime alınır.

For connecting SEP adapter which is shown above on this page, servo motor's output shaft is designed with locking key. For connecting SEK type adapter, connecting is supplied with a clamp coupling sleeve.

An intermediate flange is required when other servo motor types are used with IEC adapter. Offers are manufactured gladly by PGR.



**AYAK MONTAJLI / FOOT MOUNTED (DA/KS)**



**Daha iyi ve kolay montaj ve demontaj için konik sıkırtmalı tavsiye edilebilir.**  
PGR recommends to use shrink disc for easier installation and disassembly

Tip Type	Konik sıkırtma diski Shrink disc connector						Şaft ölçüleri Shaft dimensions									Vida tork değeri Hexagon screw		
	Tip Type	M <sub>amax</sub> [Nm]	S <sub>h6</sub>	S <sub>f6</sub>	D <sub>s</sub>	H <sub>s</sub>	D	D1	dH <sup>H7</sup>	IB	IH	mH	xH	xH2	m1	d x l	Z <sub>s</sub>	M <sub>A</sub> [Nm]
PKD 1390 DA/KS PKD 1490 DA/KS	KS 30/40	400	2.45	2.15	80	36	45	40	30	30	36	184	3	39	71	M6x35*	8	12
PKD G 1390 DA/KS PKD G 1490 DA/KS	KS 30/40	400	2.45	2.15	80	36	45	40	30	30	36	184	3	39	71	M6x35*	8	12
PKD 2390 DA/KS PKD 2490 DA/KS	KS 35/46	720	1.98	1.73	90	40	50	46	35	40	40	221	4	45	86	M6x35*	10	12
PKD 3390 DA/KS PKD 3490 DA/KS	KS 40/55	1.300	1.79	1.57	112	44	55	55	40	40	44	255	5	50	100	M8x40	8	30
PKD 4390 DA/KS PKD 4490 DA/KS	KS 50/62	2.400	1.82	1.70	125	46	70	62	50	50	46	290	5	55	115	M8x40	10	30
PKD 5390 DA/KS PKD 5490 DA/KS	KS 60/76	4.200	1.93	1.79	156	58	85	76	60	60	58	365	5	70	145	M10x50	10	59
PKD 6390 DA/KS PKD 6390/32 DA/KS PKD 6390/42 DA/KS	KS 70/90	7.200	1.91	1.79	182	74	100	90	70	70	74	430	5	85	170	M12x70*	10	100
PKD 7390 DA/KS PKD 7390/32 DA/KS PKD 7390/42 DA/KS	KS 80/108	8.500	3.70	3.56	208	83	120	108	80	82	80	430	5	85	170	M12x70*	14	100
PKD 8390 DA/KS PKD 8390/42 DA/KS PKD 8390/52 DA/KS	KS 100/128	12.000	2.53	2.40	240	92	130	128	100	70	82	505	10	95	200	M16x80*	8	250
PKD G 8390 DA/KS PKD G 8390/52 DA/KS	KS 110/138	18.000	1.92	1.83	266	74	140	138	110	80	74	576	12	88	238	M16x70	8	250
PKD 9390 DA/KS PKD 9390/52 DA/KS	KS 125/158	26.000	2.24	2.13	296	98	160	158	125	80	98	710	10	110	295	M16x80*	12	250
PKD G 9390 DA/KS PKD G 9390/62 DA/KS PKD G 9390/63 DA/KS	İstenildiğinde / On Request																	

**S** = h6 veya f6 ile konik sıkırtmanın güvenilirliği.

S = Assurance of shrink disc (with h6 and f6 tolerance)

**M<sub>A</sub>** = Civatayı sıkmak için gerekli olan tork

M<sub>A</sub> = Screw torque for tightening

**Z<sub>s</sub>** = Vida miktarı

Z<sub>s</sub> = Amount of screw

**M<sub>amax</sub>** = max. izin verilebilir çıkış momenti

M<sub>amax</sub> = maximum allowable output moment

H<sub>s</sub> ölçüsü civata sıkılmadan önceki ölçüsüdür.

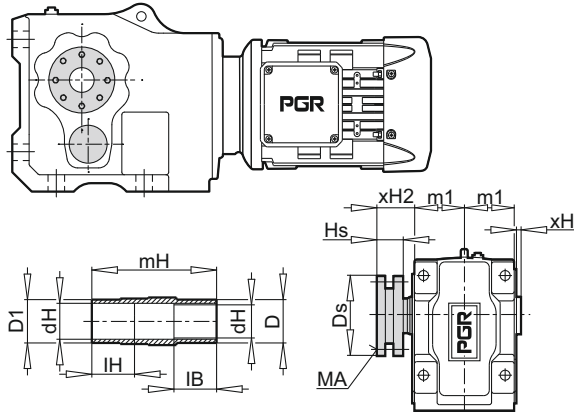
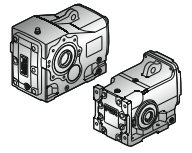
Konik sıkırtmalı, genellikle kullanıcı milinin karşı tarafına montaj edilmelidir. Kullanıcı mil uzunluğu ile şaft uzunluğu (mH) örtüşmelidir. Şaft çapı ISO h6 veya f6'ya göre imal edilmelidir.(f6= Kolay montaj)



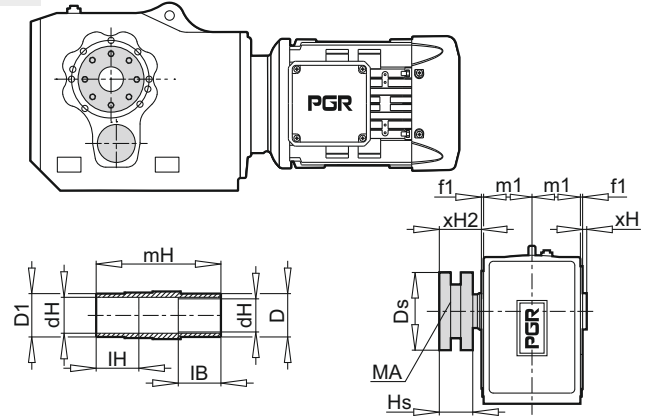
H<sub>s</sub> values show dimension before tightening screw. When customer shaft is installed to the gear unit, shrink disc should be mounted on opposite side of it. Consider that, customer shaft must be equal 'mH' dimension which is length of hollow shaft and customer diameter shaft should be machined according to ISO h6 or f6 tolerances.

# GÜÇLENDİRİLMİŞ KONİK SIKTIRMA WITH REINFORCED SHRINK DISC CONNECTOR

**PGR**<sup>®</sup>  
Drive Technologies



**GKS**



Tip Type	Konik sıkırtma diski Shrink disc connector						Şaft ölçüleri Shaft dimensions									Vida tork değeri Hexagon screw			
	Tip Type	M <sub>amax</sub> [Nm]	S <sup>h6</sup>	S <sup>f6</sup>	D <sub>s</sub>	H <sub>s</sub>	D	D1	H7 dH	IB	IH	mH	xH	xH2	m1	d x l	Z <sub>s</sub>	M <sub>A</sub> [Nm]	
PKD 8390 DA/GKS PKD 8390/42 DA/GKS PKD 8390/52 DA/GKS	GKS 100/128	12000	3.92	3.69	266	136	130	128	100	70	136	559	10	149	200	M20x100	8	490	
PKD G 8390 DA/GKS PKD G 8390/52 DA/GKS	GKS 110/138	18000	4.52	4.32	296	160	140	138	110	80	160	663	12	175	238	M20x130	12	490	
PKD 9390 DA/GKS PKD 9390/52 DA/GKS	GKS 130/158	26000	3.81	3.63	315	170	160	158	130	80	170	782	10	182	295	M20x130	12	490	
PKD G 9390 DA/GKS PKD G 9390/62 DA/GKS PKD G 9390/63 DA/GKS	İstenildiğinde / On Request																		
<b>Aşağıdaki ölçüler gövdeden montajlıya aittir / Dimensions are used for case mounted designs.</b>																			
PKD 6390 DG/GKS-B14 PKD 6390/32 DG/GKS-B14 PKD 6390/42 DG/GKS-B14	GKS 85/108	7200	4.48	4.21	236	110	110	108	85	80	110	464	5	119	165	M16x90	10	250	
PKD 7390 DG/GKS-B14 PKD 7390/32 DG/GKS-B14 PKD 7390/42 DG/GKS-B14	GKS 95/108	8500	4.95	4.80	236	110	120	108	95	80	110	464	5	119	165	M16x90	10	250	
PKD 8390 DG/GKS-B14 PKD 8390/42 DG/GKS-B14 PKD 8390/52 DG/GKS-B14	GKS 110/138	12000	6.78	6.49	296	160	140	138	110	80	160	587	8	175	195	M20x130	12	490	
PKD G 8390 DG/GKS-B14 PKD G 8390/52 DG/GKS-B14	GKS 130/158	18000	5.50	5.24	315	170	160	158	130	80	170	674	8	182	235	M20x130	12	490	
PKD 9390 DG/GKS-B14 PKD 9390/52 DG/GKS-B14	GKS 150/210	26000	4.41	4.17	386	130	200	210	150	100	130	754	10	154	288	M20x100	14	490	
PKD G 9390 DG/GKS-B14 PKD G 9390/62 DG/GKS-B14 PKD G 9390/63 DG/GKS-B14	GKS 155/185	50000	3.80	3.70	430	230	200	195	155/160	95	140	904	10	240	320	M24x180	14	835	

**Daha iyi ve kolay montaj ve demontaj için konik sıkırtmalı tavsiye edilebilir.**  
PGR recommends to use shrink disc for easier installation and disassembly.

**S = h6 veya f6 ile konik sıkırtmanın güvenilirliği.**

S = Assurance of shrink disc (with h6 and f6 tolerance)

**M<sub>A</sub> = Civatayı sıkmak için gerekli olan tork**

M<sub>A</sub> = Screw torque for tightening

**Z<sub>s</sub> = Vida miktarı**

Z<sub>s</sub> = Amount of screw

**M<sub>amax</sub> = max. izin verilebilir çıkış momenti**

M<sub>amax</sub> = maximum allowable output moment

**H<sub>s</sub> ölçüsü civata sıkılmadan önceki ölçüsüdür.**

**Konik sıkırtmalı, genellikle kullanıcı milinin karşı tarafına montaj edilmelidir. Kullanıcı mil uzunluğu ile şaft uzunluğu (mH) örtüşmelidir. Şaft çapı ISO h6 veya f6'ya göre imal edilmelidir.(f6= Kolay montaj)**

H<sub>s</sub> values show dimension before tightening screw. When customer shaft is installed to the gear unit, shrink disc should be mounted on opposite side of it. Consider that, customer shaft must be equal 'mH' dimension which is length of hollow shaft and customer diameter shaft should be machined according to ISO h6 or f6 tolerances.

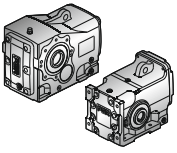
**Yukarıdaki bütün ölçüler Helisel konik dişli- Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.**

Dimension which are shown above of this page are used for all type helical-bevel gear units. (Type W, IEC adapter and helical-bevel geared motor)

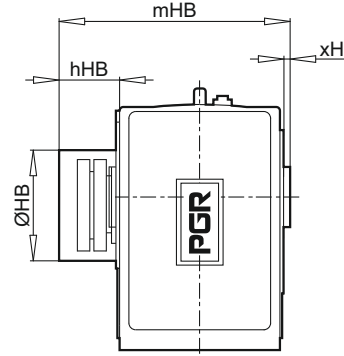
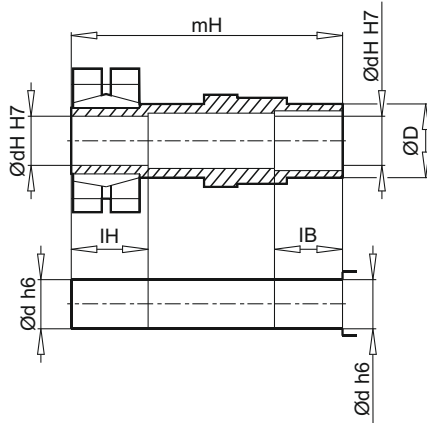
**Mevcut tasarımlar için**  
For existing designs



26 - 38

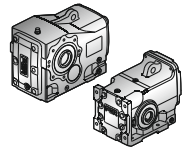


**GKS - KK**

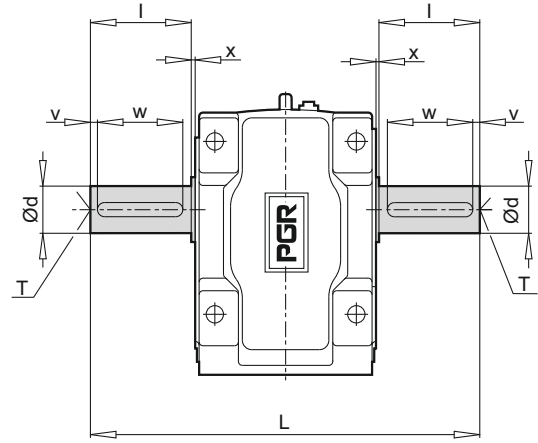
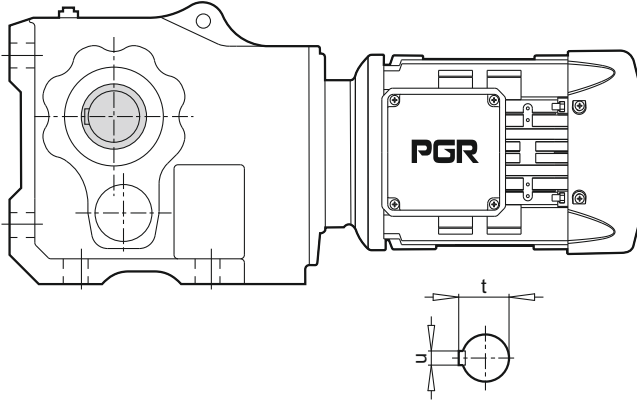


Tip / Type	ØD	ØdH H7	Ød h6	IB	IH	mH	xH	hHB	HB	mHB
PKD 6390 DG/GKS-B14 KK PKD 6390/32 DG/GKS-B14 KK PKD 6390/42 DG/GKS-B14 KK	110	85	85	80	110	464	5	149	260	489
PKD 7390 DG/GKS-B14 KK PKD 7390/32 DG/GKS-B14 KK PKD 7390/42 DG/GKS-B14 KK	120	95(85)	95(85)	80	110	464	5	149	260	489
PKD 8390 DG/GKS-B14 KK PKD 8390/42 DG/GKS-B14 KK PKD 8390/52 DG/GKS-B14 KK	140	110	110	80	160	587	8	210	308	615
PKD G8390 DG/GKS-B14 KK PKD G8390/52 DG/GKS-B14 KK	160	130	130	80	170	674	8	237	366	722
PKD 9390 DG/GKS-B14 KK PKD 9390/52 DG/GKS-B14 KK	200	150	150	100	130	754	10	237	366	830
PKD G 9390 DG/GKS-B14 KK PKD G 9390/62 DG/GKS-B14 KK PKD G 9390/63 DG/GKS-B14 KK	200	155	160	95	140	904	10	273	452	930





**ÇMA**



Tip Type	Şaft ölçüleri Shaft dimensions								
	Ød	l	L	t	u	v	w	x	T
PKD A 0290 ÇMA	20	40	196	22.5	6	4	32	3	M6
PKD B 0290 ÇMA	20	40	214	22.5	6	4	32	3	M6
PKD C 1290 ÇMA	25	50	264	28	8	5	40	4	M10
PKD F 4290 ÇMA	30	60	290	33	8	5	50	4	M10
PKD H 5290 ÇMA	35	70	332	38	10	5	60	5	M12
PKD 1390 ÇMA PKD 1490 ÇMA	30	60	270	33.0	8	5	50	4	M10
PKD G 1390 ÇMA PKD G 1490 ÇMA	35	70	290	38.0	10	7	56	4	M12
PKD 2390 ÇMA PKD 2490 ÇMA	35	70	322	38.0	10	7	56	5	M12
PKD 3390 ÇMA PKD 3490 ÇMA	45	90	392	48.5	14	5	80	6	M16
PKD 4390 ÇMA PKD 4490 ÇMA	60	120	480	64.0	18	10	100	5	M20
PKD 5390 ÇMA PKD 5490 ÇMA	70	140	582	74.5	20	15	110	6	M20
PKD 6390 ÇMA PKD 6390/32 ÇMA PKD 6390/42 ÇMA	90	170	694	95.0	25	15	140	7	M24
PKD 7390 ÇMA PKD 7390/32 ÇMA PKD 7390/42 ÇMA	90	170	694	95.0	25	15	140	7	M24
PKD 8390 ÇMA PKD 8390/42 ÇMA PKD 8390/52 ÇMA	110	210	836	116.0	28	15	180	8	M24
PKD G 8390 ÇMA PKD G 8390/52 ÇMA	120	210	914	127.0	32	15	180	9	M24
PKD 9390 ÇMA PKD 9390/52 ÇMA	140	250	1110	148.0	36	15	220	10	M24
PKD G 9390 ÇMA PKD G 9390/42 ÇMA PKD G 9390/52 ÇMA	190	320	1314	200	45	10	300	10.5	M30

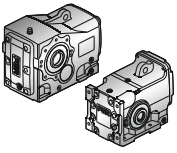
Lütfen sipariş verirken kama kanallarının pozisyonlarını belirtiniz.

'w' and 'v' dimensions are important for aligned keyways. For that reason, when you order, please determine this values.

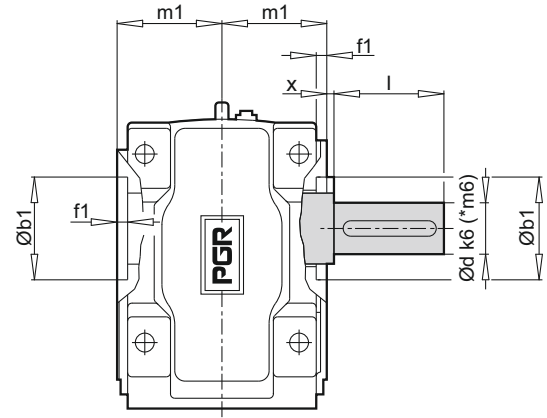
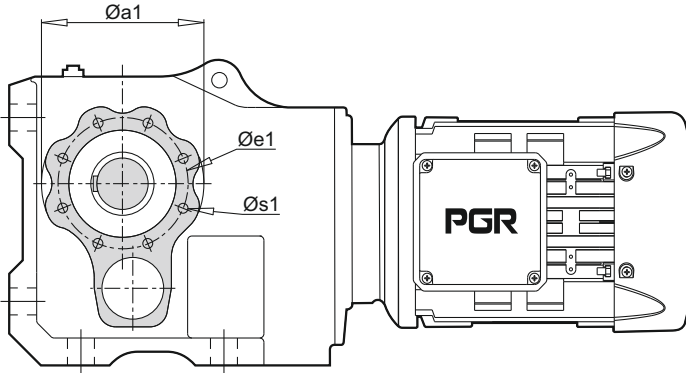
Yukarıdaki bütün ölçüler Helisel konik dişli- Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.

Dimensions which are shown above of this page are used for all type of helical-bevel gear units. (Type W, IEC adapter and helical bevel geared motor)

Mevcut tasarımlar için For existing designs → 26 - 38



**TMA - B14**



Tip Type	Montaj ölçüleri Mounting dimensions					Ana Ölçüler Outline dimensions			
	a1	b1 <sup>j6</sup>	e1	f1	s1	m1	X	d	l
PKD 1390 TMA/B14 PKD 1490 TMA/B14	110	75	100	4	M8 x 13	71	4	30	60
PKD G 1390 TMA/B14 PKD G 1490 TMA/B14	110	75	100	4	M8 x 13	71	4	35	70
PKD 2390 TMA/B14 PKD 2490 TMA/B14	125	90	115	4	M8 x 13	86	5	35	70
PKD 3390 TMA/B14 PKD 3490 TMA/B14	150	100	130	5	M10 x 16	100	6	45	90
PKD 4390 TMA/B14 PKD 4490 TMA/B14	180	125	165	5	M12 x 20	115	5	*60	120
PKD 5390 TMA/B14 PKD 5490 TMA/B14	220	150	194	5	M12 x 20	145	6	*70	140
PKD 6390 TMA/B14 PKD 6390/32 TMA/B14 PKD 6390/42 TMA/B14	250	180	215	5	M12 x 20	170	7	*90	170
PKD 7390 TMA/B14 PKD 7390/32 TMA/B14 PKD 7390/42 TMA/B14	250	180	215	5	M12 x 20	170	7	*90	170
PKD 8390 TMA/B14 PKD 8390/42 TMA/B14 PKD 8390/52 TMA/B14	300	230	265	5	M12 x 20	200	8	*110	210
PKD G 8390 TMA/B14 PKD G 8390/52 TMA/B14	350	250	300	5	M16 x 25	238	9	*120	210
PKD 9390 TMA/B14 PKD 9390/52 TMA/B14	400	290	350	5	M20 x 30	295	10	*140	250
PKD G 9390 TMA/B14 PKD G 9390/62 TMA/B14 PKD G 9390/63 TMA/B14	480	310	400	5	M20 x 30	326.5	10.5	*190	320

Ayak montajlı ve her iki taraftan B14 flanşlı delik miller için de geçerlidir. Tip PKD 3390 DA/B14

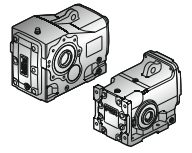
Flange B14 which is used for hollow shaft on both sides is available for foot mounted designs. ( e.g. PKD 3390 DA/B14)

Yukarıdaki bütün ölçüler Helisel konik dişli- Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.

Dimensions which are shown above of this page are used for all type of helical-bevel gear units. (Type W, IEC adapter and helical-bevel geared motor)

Mevcut tasarımlar için For existing designs → 26 - 38

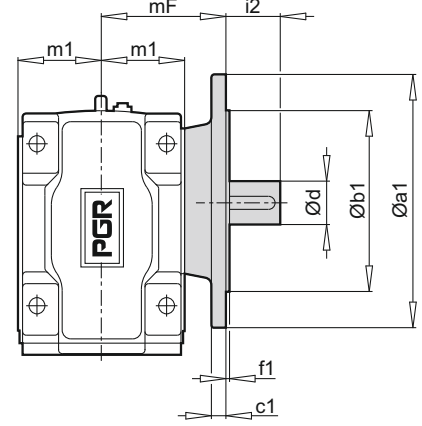
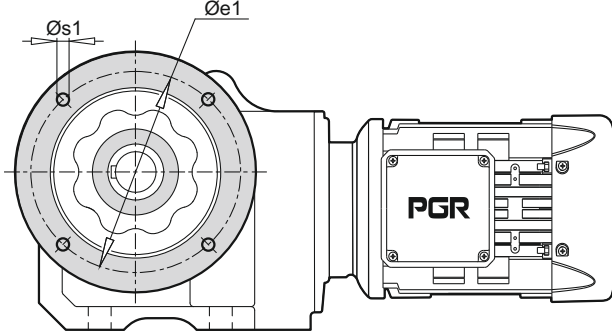
TMG/B14 için sayfa 121-167. sayfalara bakınız.



**TMA - B5**

**Bu tasarım gövdeden yapılacak montaj için uygun değildir. (Gövdeden montaj için Tip TMG/B5 )**

This B5 flange is not suitable for case mounted gear units. Consider that, if you use B5 flange on case mounted, you should look for B5 flange mounted pages. ( e.g. Type TMG / B5 )



Tip Type	Montaj ölçüleri Mounting dimensions						Ana Ölçüler Outline dimensions				
	a1	b1 <sup>j6(*h6)</sup>	c1	e1	f1	s1	i2	m1	mF	d	l
PKD 1390 TMA/B5 PKD 1490 TMA/B5	160	110	12	130	3.5	9	44	71	101	30	60
PKD G 1390 TMA/B5 PKD G 1490 TMA/B5	160	110	12	130	3.5	9	44	71	101	35	70
PKD 2390 TMA/B5 PKD 2490 TMA/B5	200	130	12	165	3.5	11	40	86	121	35	70
PKD 3390 TMA/B5 PKD 3490 TMA/B5	250	180	16	215	4.0	14	56	100	140	45	90
PKD 4390 TMA/B5 PKD 4490 TMA/B5	300	230	20	265	4.0	14	80	115	160	60	120
PKD 5390 TMA/B5 PKD 5490 TMA/B5	350	250*	20	300	5.0	18	86	145	205	70	140
PKD 6390 TMA/B5 PKD 6390/32 TMA/B5 PKD 6390/42 TMA/B5	400	300*	20	350	5.0	18	112	170	235	90	170
PKD 7390 TMA/B5 PKD 7390/32 TMA/B5 PKD 7390/42 TMA/B5	400	300*	20	350	5.0	18	112	170	235	90	170

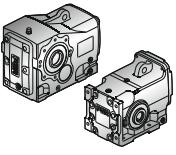
**Delik millilerde de ayak montajlı ve B5 flanş montajı bulunabilir. Tip PKD 3390 DA/B5**

Flange B5 which is used for hollow shaft on both sides is available for foot mounted design. ( e.g. PKD 3390 DA/B5 )

**Yukarıdaki bütün ölçüler Helisel konik dişli- Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.**

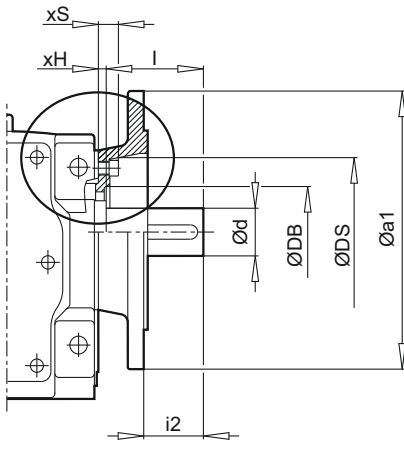
Dimensions which are shown above of this page are used for all type of helical - bevel gear units. ( Type W, IEC adapter and helical - bevel geared motor. )

Mevcut tasarımlar için For existing designs → 26 - 38

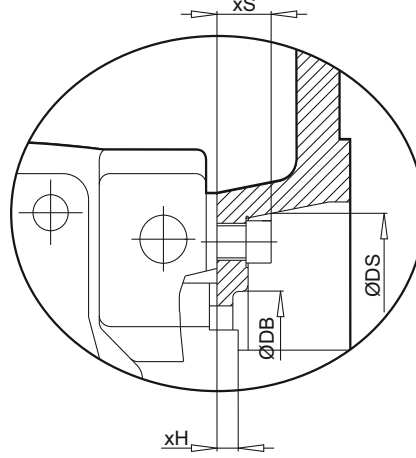


**AYAK MONTAJLI B5 FLANŞLI / FOOT MOUNTED WITH B5 FLANGE**

**TMA - B5 / DA - B5**



**TMA**



**DA**

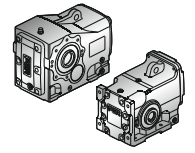
Tip Type	Flanş ø Flange ø	Şaft ölçüleri Shaft dimensions					Ana Ölçüler Outline dimensions				
	a1	d	l	x	D	xH	øDB	øDS	i2	i3	xS
PKD 1390 PKD 1490	160	30	60	4	45	3	76	100	34	27	17
PKD G 1390 PKD G 1490	160	30	60	4	45	3	76	100	34	27	17
PKD 2390 PKD 2490	200	35	70	5	50	4	77	115	40	31	17
PKD 3390 PKD 3490	250	45	90	6	70	5	90	130	56	35	20
PKD 4390 PKD 4490	300	60	120	5	80	5	115	165	80	40	24
PKD 5390 PKD 5490	350	70	140	6	100	5	135	185	86	55	27
PKD 6390 PKD 6390/32 PKD 6390/42	400	90	170	7	110	5	165	220	112	60	27
PKD 7390 PKD 7390/32 PKD 7390/42	400	90	170	7	110	5	165	220	112	60	27

Yukarıdaki bütün ölçüler Helisel konik dişli- Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.

Dimensions which are shown above of this page are used for all type of helical bevel gear units.  
(Type W, IEC adapter and helical - bevel geared motor.)

Mevcut tasarımlar için For existing designs →  26 - 38

# GÜÇLENDİRİLMİŞ B5 FLANŞI REINFORCED FLANGE B5



## GB5

### Güçlendirilmiş B5 Flanşı;

PGR özellikle karıştırıcılarda kullanılan shaftların rulman mesafelerinin artması sebebiyle güçlendirilmiş B5 flanşı kullanarak shaftın rulman arası mesafelerini arttırmıştır. Bu tasarım daha uzun rulman ömrü ile birlikte yüksek radyal ve eksenel kuvvetlerin absorbe edilmesini sağlar.

Özellikle oynak makaralı rulmanlar uzun karıştırıcı shaftların eksenel kaçıklıklarını karşılayabilirler.

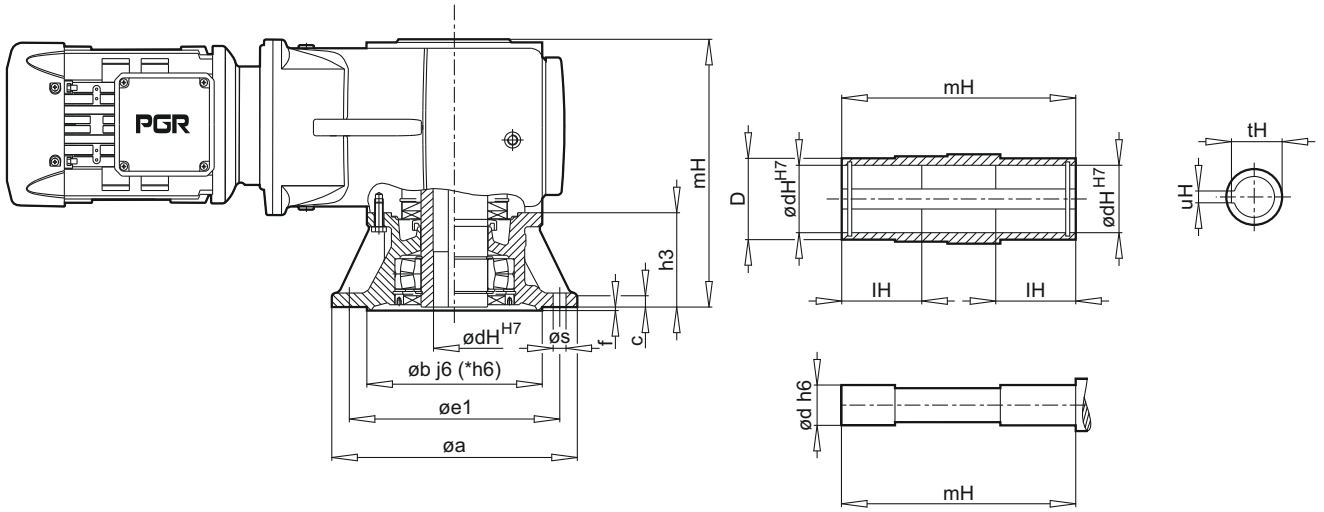
Bu aksesuar gövdeden montajlı tiplerde kullanılmaktadır.

### Reinforced B5 Flange;

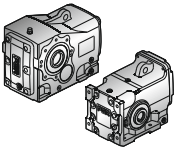
Longer shaft is used at agitator application that is caused increasing bearing distance for that reason, PGR is increased bearing distance with using reinforced B5 flange at that design. Reinforced B5 flange design provides longer bearing life and could be used where high radial and axial load is effected to the gear unit.

Due to increasing bearing distance and absorbing high radial and axial load spherical roller bearing are used however it is useful for recuperating misalignment at long shaft.

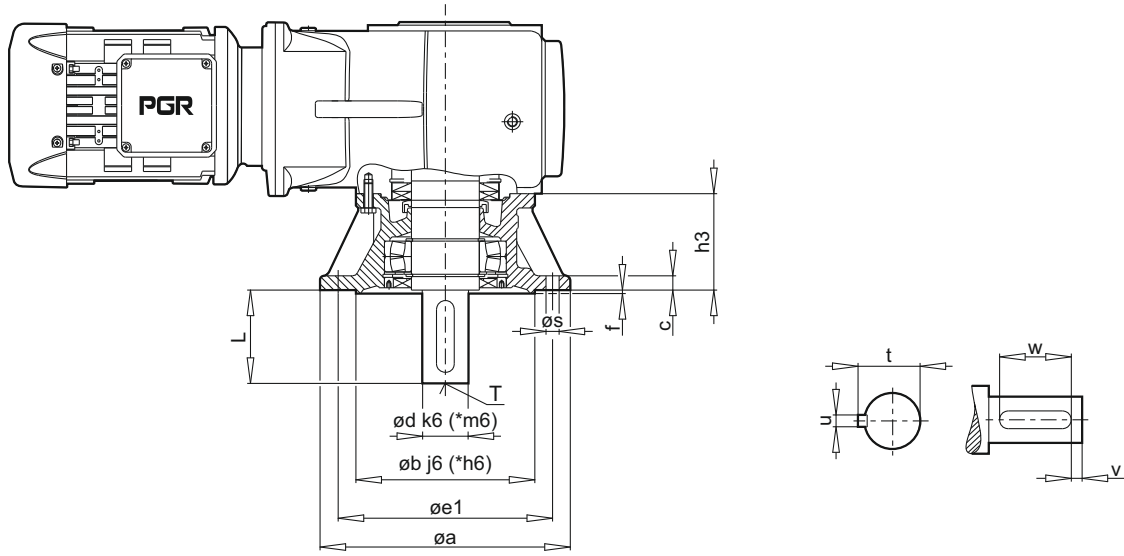
These accessories are used case mounting versions.



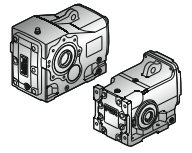
TİP / TYPE	a	b	c	e1	f	h3	s	uH	tH	mH	dH <sup>H7</sup>	IH
PKD 1390 DG/GB5 PKD 1490 DG/GB5	200	130	12	165	3.5	75	4 x 11	10	38.5	218	35	50
PKD 2390 DG/GB5 PKD 2490 DG/GB5	250	180	16	215	4.0	86	4 x 13.5	12	43.5	258	40	60
PKD 3390 DG/GB5 PKD 3490 DG/GB5	300	230	20	265	4.0	85	4 x 14	14	54.0	287	50	70
PKD 4390 DG/GB5 PKD 4490 DG/GB5	350	*250	20	300	5.0	135	4 x 18	18	64.5	362.5	60	80
PKD 5390 DG/GB5 PKD 5490 DG/GB5	400	*300	22	350	5.0	166	4 x 18	20	75.0	457	70	100
PKD 6390 DG/GB5 PKD 6390/32 DG/GB5 PKD 6390/42 DG/GB5	450	*350	24	400	5.0	184	8 x 18	22	85.5	524	80	120
PKD 7390 DG/GB5 PKD 7390/32 DG/GB5 PKD 7390/42 DG/GB5	450	*350	24	400	5.0	184	8 x 18	22	85.5	524	80	120
PKD 8390 DG/GB5 PKD 8390/42 DG/GB5 PKD 8390/52 DG/GB5	550	*450	28	500	5.0	210	8 x 18	28	116.5	615	110	140
PKD G8390 DG/GB5 PKD G8390/52 DG/GB5	660	*550	32	600	6.0	262	8 x 22	32	127.5	747	120	160



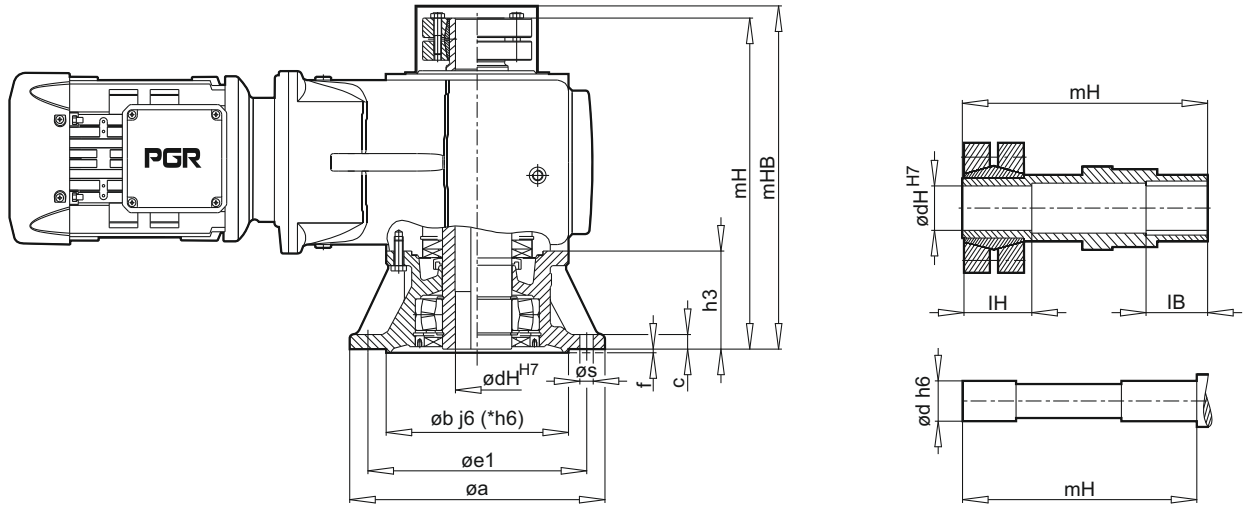
**GB5**



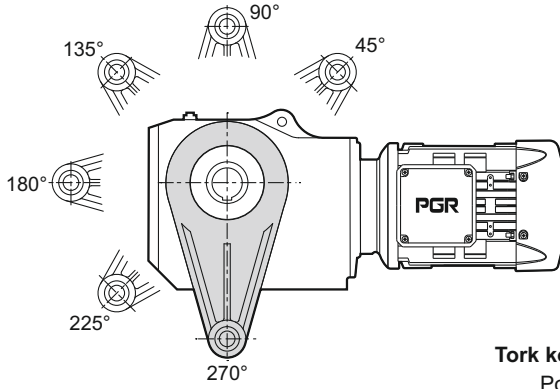
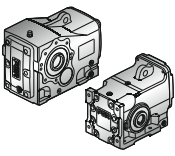
TİP / TYPE	a	b	c	e1	f	h3	s	d	L	t	u	v	w	T
PKD 1390 TMG/GB5 PKD 1490 TMG/GB5	200	130	12	165	3.5	75	4 x 11	30	60	33.0	8	5	50	M10
PKD 2390 TMG/GB5 PKD 2490 TMG/GB5	250	180	16	215	4.0	86	4 x 13.5	35	70	38.0	10	7	56	M12
PKD 3390 TMG/GB5 PKD 3490 TMG/GB5	300	230	20	265	4.0	85	4 x 14	45	90	48.5	14	5	80	M16
PKD 4390 TMG/GB5 PKD 4490 TMG/GB5	350	*250	20	300	5.0	135	4 x 18	*65	130	69.0	18	15	100	M20
PKD 5390 TMG/GB5 PKD 5490 TMG/GB5	400	*300	22	350	5.0	166	4 x 18	*75	140	79.5	20	7.5	125	M20
PKD 6390 TMG/GB5 PKD 6390/32 TMG/GB5 PKD 6390/42 TMG/GB5	450	*350	24	400	5.0	184	8 x 18	*90	170	95.0	25	15	140	M24
PKD 7390 TMG/GB5 PKD 7390/32 TMG/GB5 PKD 7390/42 TMG/GB5	450	*350	24	400	5.0	184	8 x 18	*90	170	95.0	25	15	140	M24
PKD 8390 TMG/GB5 PKD 8390/42 TMG/GB5 PKD 8390/52 TMG/GB5	550	*450	28	500	5.0	210	8 x 18	*110	210	116.0	28	15	180	M24
PKD G8390 TMG/GB5 PKD G8390/52 TMG/GB5	660	*550	32	600	6.0	262	8 x 22	*120	210	127.0	32	15	180	M24
PKD 9390 TMG/GB5 PKD 9390/52 TMG/GB5	660	*550	32	600	6.0	262	8 x 22	*140	250	148.0	36	25	200	M24
PKD G 9390 TMG/GB5 PKD G 9390/62 TMG/GB5 PKD G 9390/63 TMG/GB5	660	*550	35	600	8.0	302	8 x 26	*190	320	200.0	45	10	300	M30x60



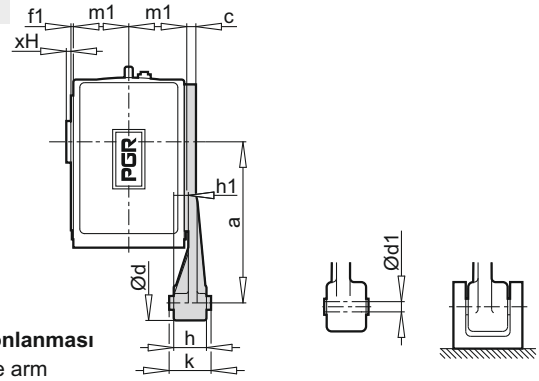
**KS - GB5**



TİP / TYPE	a	b	c	e1	f	h3	s	dH / d	mH	mHB	IB	IH
PKD 1390 DG/KS-GB5 PKD 1490 DG/KS-GB5	200	130	12	165	3.5	75	4 x 11	35	263	278	41	40
PKD 2390 DG/KS-GB5 PKD 2490 DG/KS-GB5	250	180	16	215	4.0	86	4 x 13.5	40	308	319	41.5	44
PKD 3390 DG/KS-GB5 PKD 3490 DG/KS-GB5	300	230	20	265	4.0	85	4 x 14	50	337	355	51.5	46
PKD 4390 DG/KS-GB5 PKD 4490 DG/KS-GB5	350	*250	20	300	5.0	135	4 x 18	60	427.5	446	61.5	58
PKD 5390 DG/KS-GB5 PKD 5490 DG/KS-GB5	400	*300	22	350	5.0	166	4 x 18	70	537	558	71	74
PKD 6390 DG/KS-GB5 PKD 6390/32 DG/KS-GB5 PKD 6390/42 DG/KS-GB5	450	*350	24	400	5.0	184	8 x 18	80	609	629	81	82
PKD 7390 DG/KS-GB5 PKD 7390/32 DG/KS-GB5 PKD 7390/42 VLB5/KS	450	*350	24	400	5.0	184	8 x 18	80	609	629	81	82
PKD 8390 DG/KS-GB5 PKD 8390/42 DG/KS-GB5 PKD 8390/52 DG/KS-GB5	550	*450	28	500	5.0	210	8 x 18	110	695	734	81	74
PKD G8390 DG/KS-GB5 PKD G8390/52 DG/KS-GB5	660	*550	32	600	6.0	262	8 x 22	125	851	892	81	98
PKD 9390 DG/KS-GB5 PKD 9390/52 DG/KS-GB5	660	*550	32	600	6.0	262	8 x 22	150	955	998	101	98
PKD G 9390 DG/KS-GB5 PKD G 9390/62 DG/KS-GB5 PKD G 9390/63 DG/KS-GB5	660	*550	35	600	8.0	302	8 x 26	160/155	1089	1134	95	140

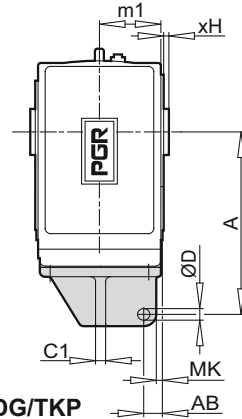
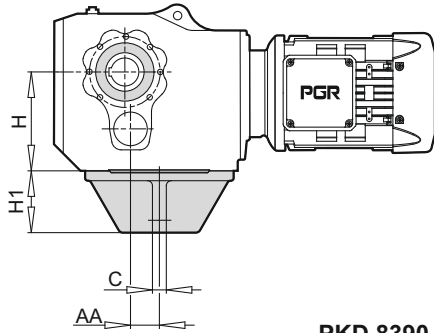


**TK - TKP**



**Tork kolunun pozisyonlanması**  
**Positions of torque arm**

**PKD B 0290 DG/TK ... PKD 7390 DG/TK**

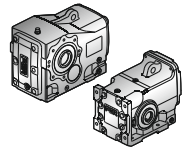


**PKD 8390 DG/TKP ... PKD G 9390 DG/TKP**

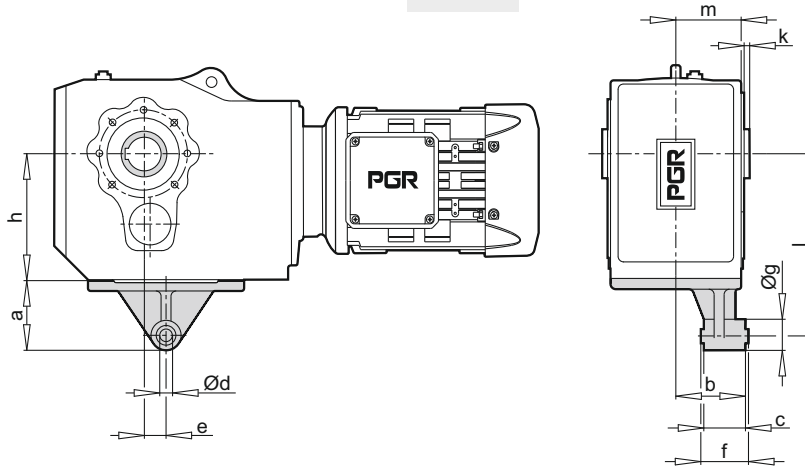
Tip Type	Montaj Ölçüleri Mounting Dimensions																Ana Ölçüler Outline Dimensions			
	TK								TKP								m1	xH		
	a	c	d	d1	f1	h	h1	k	A	AA	AB	C	C1	D	H	H1			MK	
PKD A 0290 DG/TK	Sayfa 122 bkz / See page 122								--	--	--	--	--	--	--	--	--	--	55	3
PKD B 0290 DG/TK	120	10	40	10.5	3	32	10	36	--	--	--	--	--	--	--	--	--	62	4	
PKD C 1290 DG/TK	160	14	40	10.5	3	32	11.5	36	--	--	--	--	--	--	--	--	--	75	4	
PKD F 4290 DG/TK	160	14	40	10.5	3	32	11.5	36	--	--	--	--	--	--	--	--	--	78	4	
PKD H 5290 DG/TK	200	14	60	16.5	4	56	26	60	--	--	--	--	--	--	--	--	--	87	5	
PKD 1390 DG/TK PKD 1490 DG/TK	160	16	40	10.5	3	32	11.5	36	--	--	--	--	--	--	--	--	--	68	3	
PKD G 1390 DG/TK PKD G 1490 DG/TK	160	16.5	40	10.5	3	32	11.5	36	--	--	--	--	--	--	--	--	--	68	3	
PKD 2390 DG/TK PKD 2490 DG/TK	200	16.5	60	16.5	4	56	26	60	--	--	--	--	--	--	--	--	--	82	4	
PKD 3390 DG/TK PKD 3490 DG/TK	250	20.5	60	16.5	3	56	22	60	--	--	--	--	--	--	--	--	--	97	5	
PKD 4390 DG/TK PKD 4490 DG/TK	300	24	80	25	7	92	42	100	--	--	--	--	--	--	--	--	--	108	5	
PKD 5390 DG/TK PKD 5490 DG/TK	350	26.5	80	25	4	92	42	100	--	--	--	--	--	--	--	--	--	141	5	
PKD 6390 DG/TK PKD 6390/32 DG/TK PKD 6390/42 DG/TK	450	28	80	25	5	92	42	100	--	--	--	--	--	--	--	--	--	165	5	
PKD 7390 DG/TK PKD 7390/32 DG/TK PKD 7390/42 DG/TK	450	28	80	25	5	92	42	100	--	--	--	--	--	--	--	--	--	165	5	
PKD 8390 DG/TKP PKD 8390/42 DG/TKP PKD 8390/52 DG/TKP	--	--	--	--	--	--	--	--	550	75	95	56	30	31	375	225	45	195	8	
PKD G 8390 DG/TKP PKD G 8390/52 DG/TKP	--	--	--	--	--	--	--	--	650	55	95	56	40	31	450	250	5	235	8	
PKD 9390 DG/TKP PKD 9390/52 DG/TKP	--	--	--	--	--	--	--	--	700	80	108	56	40	31	500	250	58	288	10	
PKD G 9390 DG/TKP PKD G 9390/62 DG/TKP PKD G 9390/63 DG/TKP	--	--	--	--	--	--	--	--	900	70	140	80	50	52	600	300	45	320	10.5	

Sipariş verirken tork kolunun pozisyonunu belirtiniz (Örn. 270°). / Determine position of torque arm when commission. (e.g. 270°).  
Tork kolu L yada R tarafına bağlanabilir. / Determine mounted and connecting position for instance side L or side R of gear unit when you commission.



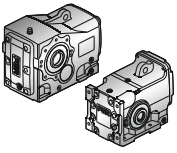


TKP



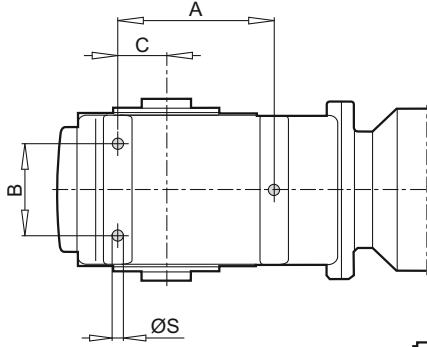
PKD 1390 DG/TKP ... PKD 7390 DG/TKP

TİP TYPE	a	b	c	Ød	e	f	Øg	h	k	l	m
PKD 1390 DG/TKP PKD 1490 DG/TKP PKD G 1390 DG/TKP PKD G 1490 DG/TKP	70.5	52	32	10.5	30	36	45	112	3	160	68
PKD 2390 DG/TKP PKD 2490 DG/TKP	87	65	56	16.5	45	60	60	143	4	200	82
PKD 3390 DG/TKP PKD 3490 DG/TKP	100	80	56	16.5	52.5	60	60	180	5	250	97
PKD 4390 DG/TKP PKD 4490 DG/TKP	123	89	72	25	60	80	80	217	5	300	108
PKD 5390 DG/TKP PKD 5490 DG/TKP	128	110	92	25	70	100	80	262	5	350	141
PKD 6390 DG/TKP	175	130	92	25	74	100	80	315	5	450	165
PKD 7390 DG/TKP	175	130	92	25	74	100	80	315	5	450	165

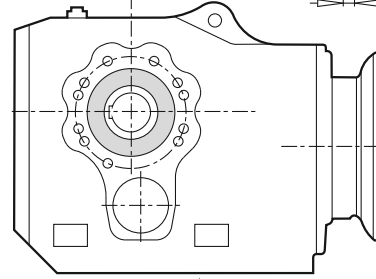
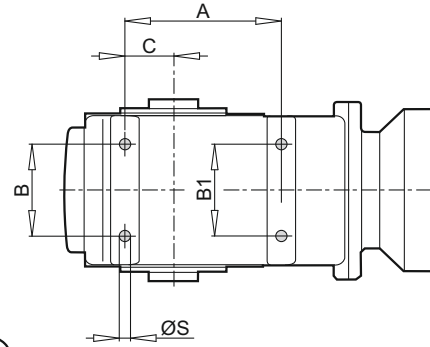


**GÖVDEDEN MONTAJLI / CASE MOUNTED**

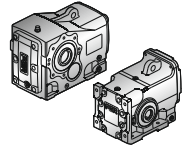
**PKD 1390...PKD 5390**



**PKD 6390...PKD G 9390**

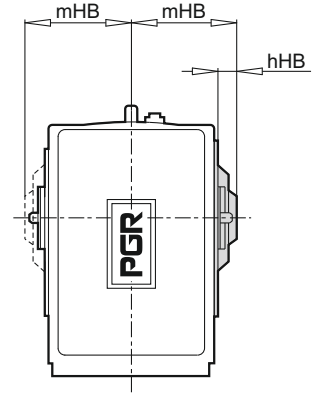
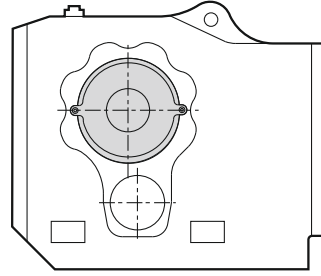
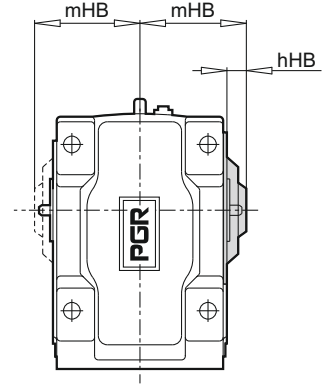
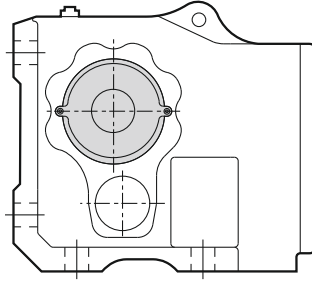


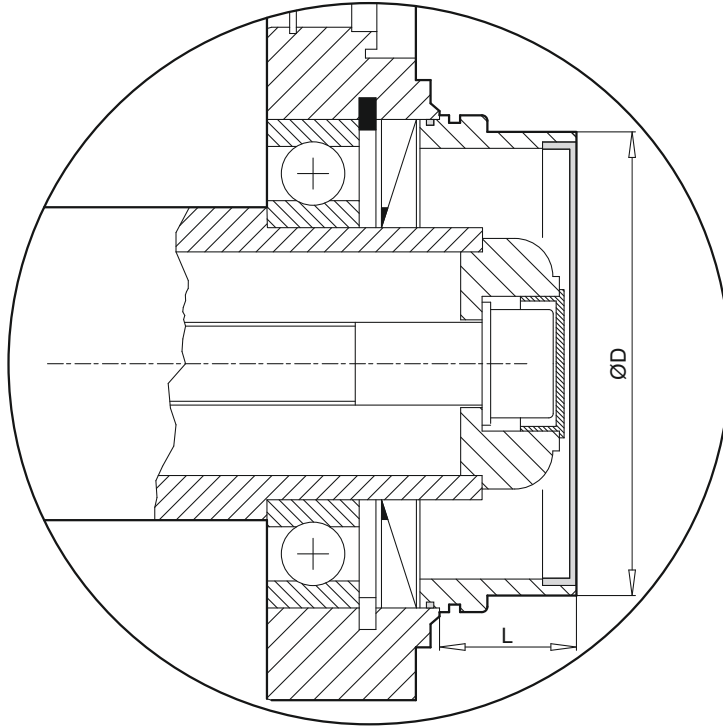
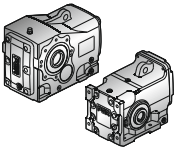
TİP TYPE	A	B	B1	C	ØS
PKD 1390 DG/TKP PKD 1490 DG/TKP	152	60	-	35	M10x16
PKD G 1390 DG/TKP PKD G 1490 DG/TKP	152	60	-	35	M10x16
PKD 2390 DG/TKP PKD 2490 DG/TKP	152	100	-	42	M12x20
PKD 3390 DG/TKP PKD 3490 DG/TKP	190	110	-	55	M12x20
PKD 4390 DG/TKP PKD 4490 DG/TKP	220	130	-	68	M16x25
PKD 5390 DG/TKP PKD 5490 DG/TKP	277	185	-	92	M16x25
PKD 6390 DG/TKP PKD 6390/32 DG/TKP PKD 6390/42 DG/TKP	345	220	170	120	M20x30
PKD 7390 DG/TKP PKD 7390/32 DG/TKP PKD 7390/42 DG/TKP	290	190	190	100	M24x36
PKD 8390 DG/TKP PKD 8390/42 DG/TKP PKD 8390/52 DG/TKP	430	260	260	140	M24x36
PKD G 8390 DG/TKP PKD G 8390/52 DG/TKP	430	320	320	160	M36x55
PKD 9390 DG/TKP PKD 9390/52 DG/TKP	520	400	400	180	M36x55
PKD G 9390 DG/TKP PKD G 9390/62 DG/TKP PKD G 9390/63 DG/TKP	580	440	440	220	M42x72



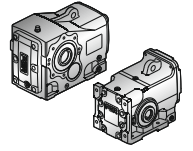
**Delik milli şaft koruma kapağı**  
Cover cup for hollow shaft

Tip Type	Montaj ve Ana Ölçüleri Outline and Mounting Dimensions	
	hHB	mHB
PKD A 0290 DA PKD A 0290 DG	35	87.5
PKD B 0290 DA PKD B 0290 DG	38	100
PKD C 1290 DA PKD C 1290 DG	43	118
PKD F 4290 DA PKD F 4290 DG	43	121
PKD H 5290 DA PKD H 5290 DG	45	132
PKD 1390 DA PKD 1490 DA	38	109
PKD 1390 DG PKD 1490 DG	43	111
PKD G 1390 DA PKD G 1490 DA	38	109
PKD G 1390 DG PKD G 1490 DG	43	111
PKD 2390 DA PKD 2490 DA	43	129
PKD 2390 DG PKD 2490 DG	45	127
PKD 3390 DA PKD 3490 DA	45	145
PKD 3390 DG PKD 3490 DG	48	145
PKD 4390 DA PKD 4490 DA	46	161
PKD 4390 DG PKD 4490 DG	56	164
PKD 5390 DA PKD 5490 DA	48	193
PKD 5390 DG PKD 5490 DG	61	202
PKD 6390 DA	55	225
PKD 6390 DG	64	229
PKD 7390 DA	55	225
PKD 7390 DG	64	229
PKD 8390 DA	62	262
PKD 8390 DG	67	262
PKD G 8390 DA	55	293
PKD G 8390 DG	86	321



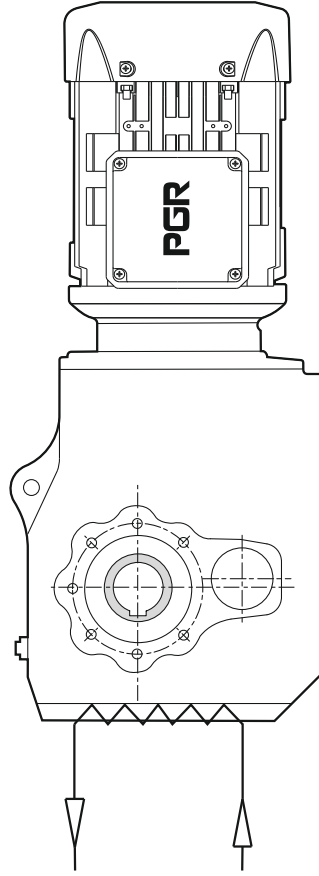


Tip Type		ØD	L
PKD 1390 DA - KK 66	PKD 1490 DA - KK 66	81	25
PKD 1390 DG/B14 - KK 66	PKD 1490 DG/B14 - KK 66	86	28
PKD G 1390 DA - KK 66	PKD G 1490 DA - KK 66	81	25
PKD G 1390 DG/B14 - KK 66	PKD G 1490 DG/B14 - KK 66	86	28
PKD 2390 DA - KK 66	PKD 2490 DA - KK 66	96	30
PKD 2390 DG/B14 - KK 66	PKD 2490 DG/B14 - KK 66	105	35
PKD 3390 DA - KK 66	PKD 3490 DA - KK 66	105	35
PKD 3390 DG/B14 - KK 66	PKD 3490 DG/B14 - KK 66	116	35
PKD 4390 DA - KK 66	PKD 4490 DA - KK 66	146	35
PKD 4390 DG/B14 - KK 66	PKD 4490 DG/B14 - KK 66	146	38
PKD 5390 DA - KK 66	PKD 5490 DA - KK 66	155	38
PKD 5390 DG/B14 - KK 66	PKD 5490 DG/B14 - KK 66	189	38
PKD 6390 DA - KK 66		189	38
PKD 6390 DG/B14 - KK 66		189	35
PKD 7390 DA - KK 66		189	38
PKD 7390 DG/B14 - KK 66		216	35
PKD 8390 DA - KK 66		246	45
PKD 8390 DG/B14 - KK 66		261	50
PKD G 8390 DA - KK 66		261	55
PKD G 8390 DG/B14 - KK 66		316	50



Entegre edilmiş bir ısı dönüştürücüsü, helisel konik dişli üniteleri ve paralel dişli ünitelerinde isteğe bağlı olarak mevcuttur. Dişli ünitesini soğutan soğutma suyu ısı dönüştürücüsü içinden akar. PGR, redüktör sıcaklığının ve soğutma suyunun akışının izlenmesini önerir. Soğutma bobini, yağ odası içinde bulunmamaktadır, PGR su soğutması. Soğutma suyu patlayıcı çalışma ortamlarında çalışması uygundur. Düşük sıcaklıklarda, ısı dönüştürücüsü, dişli ünitesine ısı sağlayabilir.

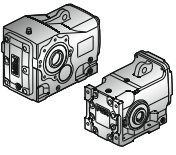
For cooling gear unit, conjugate heat exchanger is available optionally. (This design exist for helical - bevel and parallel shaft gear units.) Consider that, PGR suggests that cooling water flow and temperature of gear unit should be checked because, coil of heat exchanger is on the cup of gear unit. Heat transfer from oilor gear unit to cooling water should be monitored. This design could be used in explosive areas. Heat exchanger might be supplied heat to the gear unit in low temperature.



**Su soğutma ünitesinin kullanılabilceği montaj pozisyonları**

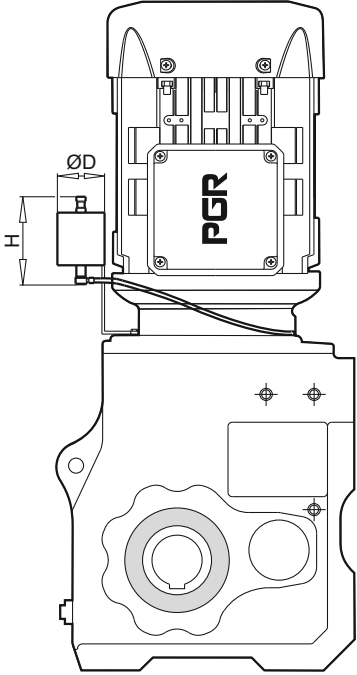
Table shows that suitability of water cooling for which mounting positions

Tip / Type	Montaj Pozisyonları / Mounting Positions					
	M1	M2	M3	M4	M5	M6
PKD 8390			✓	✓		
PKD G 8390			✓	✓		
PKD 9390			✓	✓		
PKD G 9390			✓	✓		



## M4 MONTAJ POZİSYONU İÇİN İLAVE YAĞ HACMI ADDITIONAL LUBRICANT VOLUME FOR MOUNTING POSITION M4

Tip Type	Boyut Size	ØD [mm]	H [mm]	[kg]
PKD 4390 / PKD 4490	I	100	180	6
PKD 5390 / PKD 5490				
PKD 6390	II	150	300	7
PKD 7390				
PKD 8390				
PKD G 8390	III	180	300	8
PKD 9390				
PKD G 9390				



Bu ilave yağ hacim ünitesinin kullanılması dikey montaj pozisyonlarında ( M4 ) ve kötü çalışma şartları altında bile havalandırma tapasından yağ sızmasını önler. Dikey çalışma ortamlarında redüktör içindeki yağ köpüklenme yapabilir ve bu ünite ilave bir hacim sağlar.

İlave yağ hacim ünitesi, tahvil oranı 20' den küçük helisel konik dişli üniteler PKD 4390 ve daha üst gövdelerin dikey montaj pozisyonu uygulamalarında kullanımı önerilir.



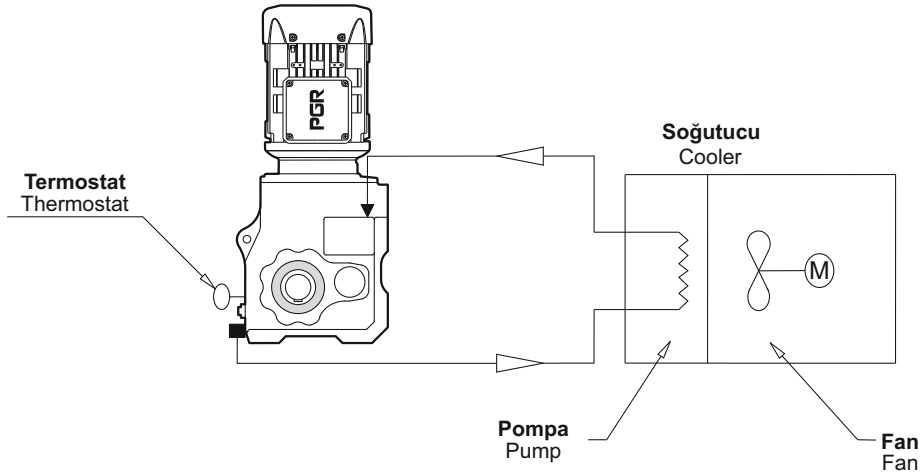
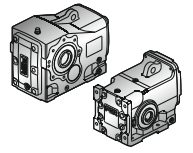
41 - 42

Additional lubricant volume unit uses for preventing oil leakage from venting plug when gear unit is mounted with M4 mounting position. It is important because at vertical mounting position oil could be foamed.

PGR suggest that additional lubrication volume units should be used where gear reduction is less than 20 and for polat helical bevel gear unit series such as PKD 4390 and greater case when M4 vertical mounting position is applied.



41 - 42

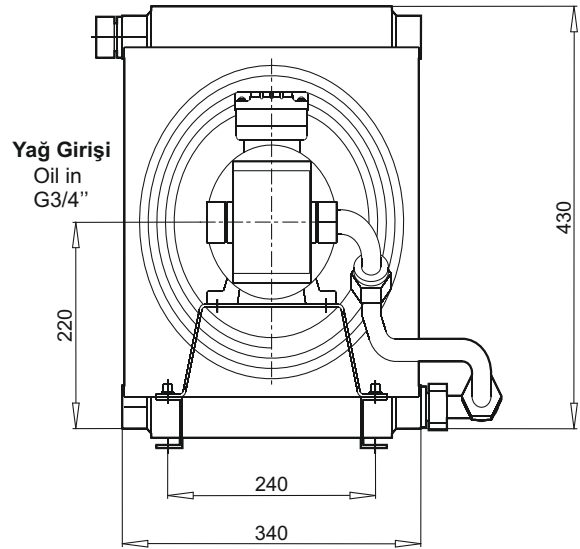
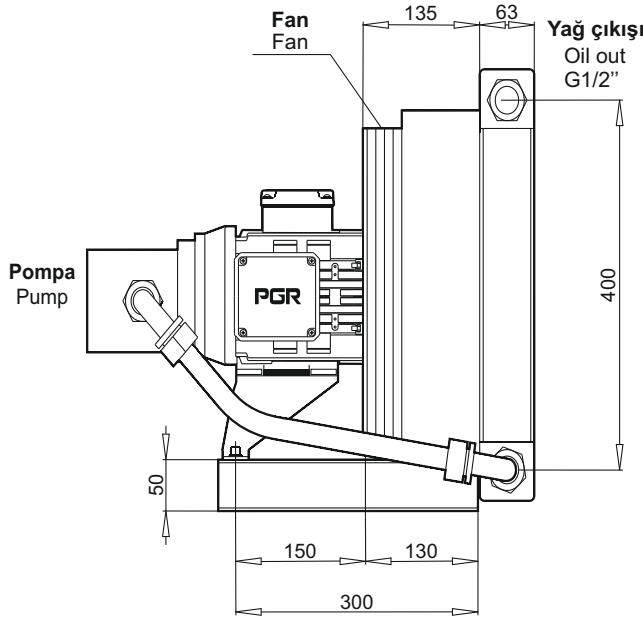


■ Çıkış = Emme hattı ▼ Yağ seviyesi = Basınç hattı

Dişli ünitesi yağı, bir pompa tarafından çekilir ve bir ısı dönüştürücüsü boyunca akar. Yağ, bir fan tarafından yaratılan bir hava akımı ile soğutulur. Yağ, ısı dönüştürücünün dışına taşınır ve tekrar haznesine geri gönderilir. Sıcaklık bir termostat tarafından kontrol edilir. PGR, sıcaklığın izlenmesini önerir.

■ Outlet = Suction line ▼ Oil level = Pressure line

Picture which is above on this page shows cycle of the cooling unit. There is a thermostat on the gear unit for checking oil temperature. Oil flows from suction line to pressure line which is provided by pump. In this way, oil temperature is cooled down by a fan which is supplying air flow to the coil. Then, oil flows to the house of gear unit.



\* **Potansiyel patlayıcı atmosferli alanlar için uygun değildir.**

Design

Soğutucu : TFS/A 8,5-400-F-03-11  
Düşürme : Dış 1/2" iç 3/4"  
Motorlar : Spannung 3x400 V  
Çıkış gücü : 0,55 kW  
Akım : 1,7 A  
Hız : 1350 d/dk  
Koruma sınıfı : IP 55  
Yalıtım sınıfı : F  
Sıcaklık sınıfı : B

Aşağıdaki özelliklerde mevcuttur:  
- Özel voltaj 60 HZ - Özel motor

Ağırlık : 35 kg

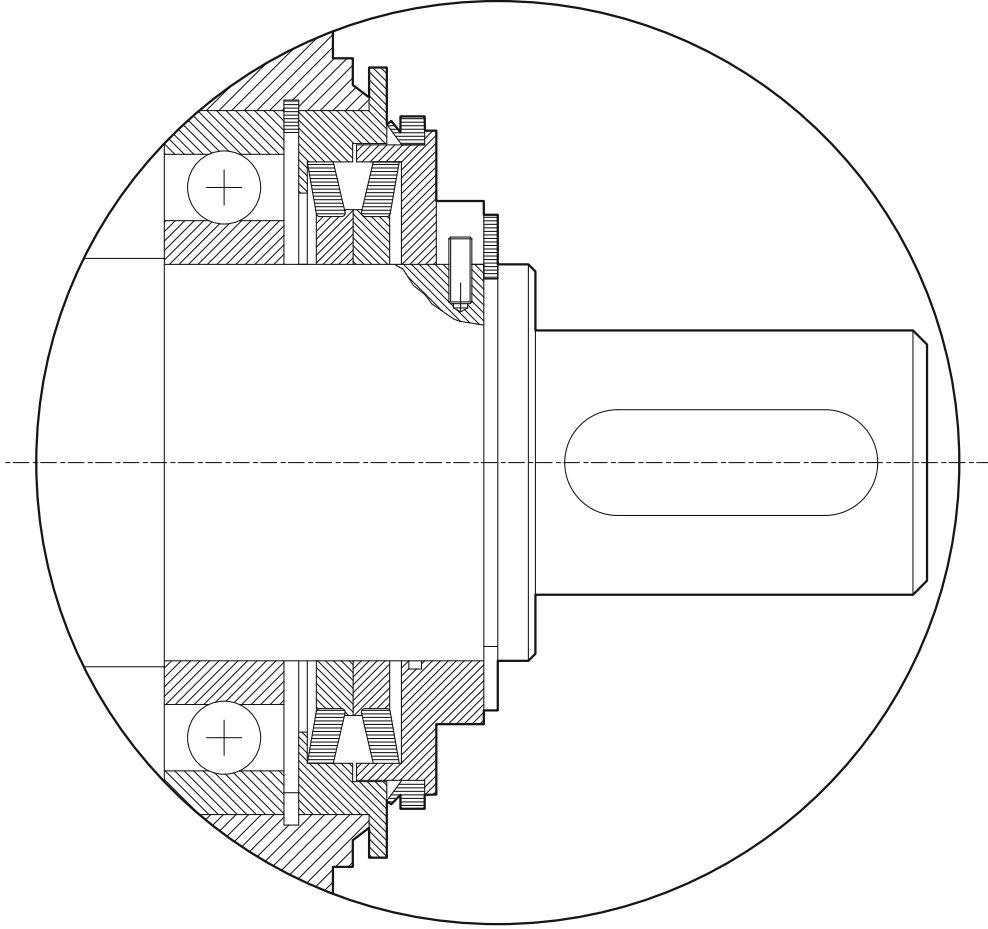
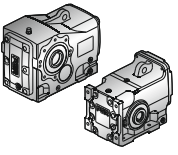
\* **Not suited for areas with potentially explosive atmospheres**

Design

Cooler : TFS/A 8,5-400-F-03-11  
Reduction : Out 1/2" in 3/4"  
Motors : Spannung 3x400 V  
Output Power : 0,55 kW  
Rated Current : 1,7 A  
Speed : 1350 rpm  
Protection Class : IP 55  
Insulation Class : F  
Temperature Class : B

Available with:  
- Special voltage 60 HZ - Special motor

Weight : 35 kg



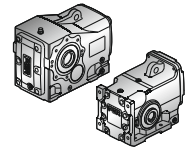
### **MEKANİK KEÇE**

Özellikle aşırı çalışmalarda ve çok kötü çalışma koşullarında uygundur. Daldırmalı veya sulu çalışma ortamlarından etkilenmemektedir. Bu keçe tipi dış çevre koşullarından kesin koruma sağlar.

### **MECHANICAL SEAL**

Seals are important for prevent oil leakage from gear unit and protect from environment. In hazardous environment and extreme operation conditions sealing must be considered. For that reason mechanical seals are applicable for using at hazardous environment, submerged operation.





**Çektirme elemanları**

Çektirme elemanlar, şaft montajlı dişli ünitelerinde opsiyonel olarak bulunur.

**Kullanım Şartları:**

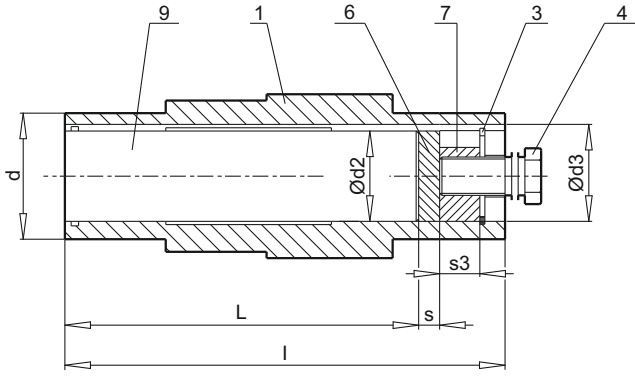
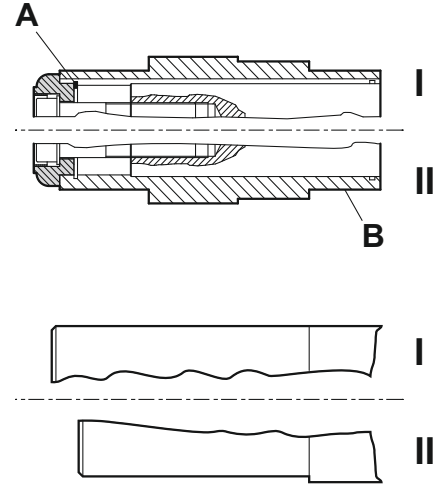
- Kullanılacak milin merkezinde DIN 332/2 standardında bir delik açılmalı.
- Mil, faturalı yada faturasız olsa da,çektirme elemanları ile sabitlenebilir.
- I 'deki montaj kullanıldığında,mil,şaftın içinde bulunan segman ile tutturulur.( Parça A )
- II 'deki montaj kullanıldığında,milin üzerinde bulununan bilezik (manşon) kullanılarak doğrudan delik mil üzerine tutturulur.( Parça B )

**Fixing elements**

This is used for shaft mounted designs and it should be specified when ordering because there are some requirements for use.

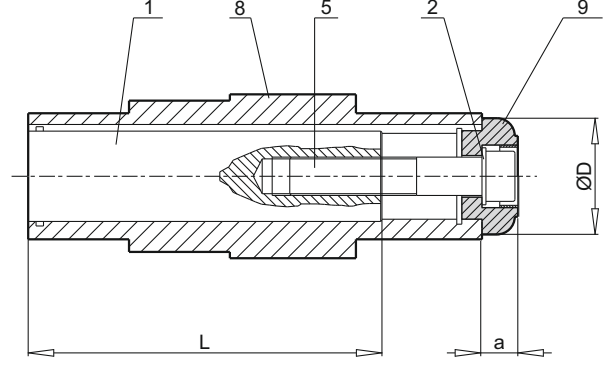
**Using conditions:**

- Centre bore must be machined appropriately DIN 332/2.
- Solid shaft could be mounted either with a shaft shoulder (II) or without shaft shoulder (I)
- Solid shaft which is without shaft shoulder is mounted with using retainin ring (A)
- Solid shaft which is with shaft shoulder is mounted with using spacer



**DEMONTAJ**  
DISASSEMBLY

**L= max. kullanıcı şaft boyu**  
L= maximum length of the solid shaft



**MONTAJ**  
ASSEMBLY

- 1) Kullanıcı mili
- 2) Rondela DIN 127
- 3) \* İç Segman DIN 472
- 4) \* Çektirme civatası
- 5) Alyan başlı civata DIN 912
- 6) \* Yaylı rondela
- 7) \* Somun
- 8) Delik mil
- 9) Disk

- 1) Customer's shaft
- 2) Washer DIN 127
- 3) \* Circlip DIN 472
- 4) \* Jacking screw
- 5) Socket head screw DIN 912
- 6) \* Thrust washer
- 7) \* Jacking nut
- 8) Hollow shaft
- 9) Disc

\*Dikkat, yıldızlı ürünler PGR tarafından temin edilmez.

\*Star signs are shown this item are not provided by PGR

**DEMONTAJ:**

- 1) Alyanbaşı civatayı sökünüz. (poz.5)
- 2) Diski çıkarınız. (poz.9)
- 3) Yaylı rondelayı takınız. (poz.6)
- 4) Somunu yerleştiriniz. (poz.7)
- 5) Segmanı takınız. (poz.3)
- 6) Çektirme civatasını basarak çevirerek kullanıcı milini şafttan ayırınız. (poz.4)

**DISASSEMBLING:**

- 1) Loosen the socket head screw (5)
- 2) Remove disc (9)
- 3) Immerse thrust washer (6)
- 4) Tuck jacking nut (7)
- 5) Mount circlip (3)
- 6) Remove solid shaft from hollow shaft with using jacking screw (4)

**KOŞULLAR:**

Kullanıcı mili DIN 332/2' e göre merkezine diş açılmış delik gerekmektedir. Müşteri mili "L" uzunluğunu geçmemelidir aksi halde çektirme elementi uygulanamaz. (poz. 5,6,7)

**REQUIREMENTS:**

Solid shaft which is connected to the hollow shaft, must have machined with a centre bore according to DIN 332/2. Consider that 'Lmax' length is important for jacking not using solid shaft's length must not greater than 'Lmax'.

**MONTAJ:**

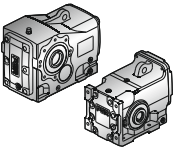
- 1) Kullanıcı milini şaftın içerisine yerleştiriniz. (poz.8)
- 2) Diski (poz.9) şaftın içerisine yerleştiriniz.
- 3) Disk ile alyan başlı civata ve rondelayı sabitleyiniz. (poz.2-5)

**ASSEMBLING:**

- 1) Immerse customer shaft to the hollow shaft (8)
- 2) Mount disc to the hollow shaft (9)
- 3) Fasten disc and washer (2) by tightening socket head screw (5)

Yukarıdaki bütün ölçüler helisel konik dişli - Tip W, Tip IEC ve Helisel konik dişli motorları için geçerlidir.

Dimensions which are shown above of this page are used for all type of helical - bevel gear units. (Type W, IEC adapter and helical - bevel geared motor.)

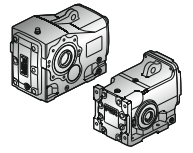


Tip / Type	1 L	2	3	4	5	6		7		8 d x mH	9		
						d2	s	d3	s3		a	D	
PKD A 0290 DA/Ç	100	A10	125 x 1.5	M12	M10 X 45	24.9	3	24.9	12	M12	25 x 116	15	38
PKD B 0290 DA/Ç	115	A6	120 x 1.5	M10	M6 X 30	19.9	3	19.9	10	M10	20 x 134	15	38
PKD C 1290 DA/Ç	140	A10	130 x 1.5	M12	M10 X 45	29.0	3	29.0	12	M12	30 x 164	20	40
PKD F 4290 DA/Ç	140	A12	135 x 1.5	M12	M12 X 55	34.9	3	34.9	16	M16	35 x 170	24.5	45
PKD H 5290 DA/Ç	160	A16	140 x 2.0	M16	M16 X 70	39.9	4	39.9	16	M16	40 x 192	25	55
PKD 1390 DA/Ç	120	A10	130 x 1.5	M12	M10 X 45	29.0	3	29.0	12	M12	30 x 148	20	40
PKD G1390 DA/Ç	120	A10	130 x 1.5	M12	M10 X 45	29.0	3	29.0	12	M12	30 x 148	20	40
PKD 2390 DA/Ç	150	A12	135 x 1.5	M16	M12 X 55	34.9	3	34.9	16	M16	35 x 180	24.5	45
PKD 3390 DA/Ç	170	A16	140 x 2.0	M16	M16 X 70	39.9	4	39.9	16	M16	40 x 210	25	55
PKD 4390 DA/Ç	200	A16	150 x 2.5	M20	M16 X 70	49.9	4	49.9	20	M20	50 x 240	26	65
PKD 5390 DA/Ç	255	A20	160 x 3.0	M24	M20 X 90	59.9	5	59.9	24	M24	60 x 300	31	75
PKD 6390 DA/Ç	305	A20	170 x 3.0	M24	M20 X 90	69.9	5	69.9	24	M24	70 x 350	32	78
PKD 7390 DA/Ç	305	A24	190 x 4.0	M30	M24 X 110	89.9	8	89.9	22	M30	90 x 350	36	102
PKD 8390 DA/Ç	365	A24	1100 x 4.0	M30	M24 X 110	99.9	8	99.9	30	M30	100 x 420	36.5	120
PKD G8390 DA/Ç	440	A24	1110 x 5.0	M30	M24 X 110	109.9	10	109.9	30	M30	110 x 500	36	135

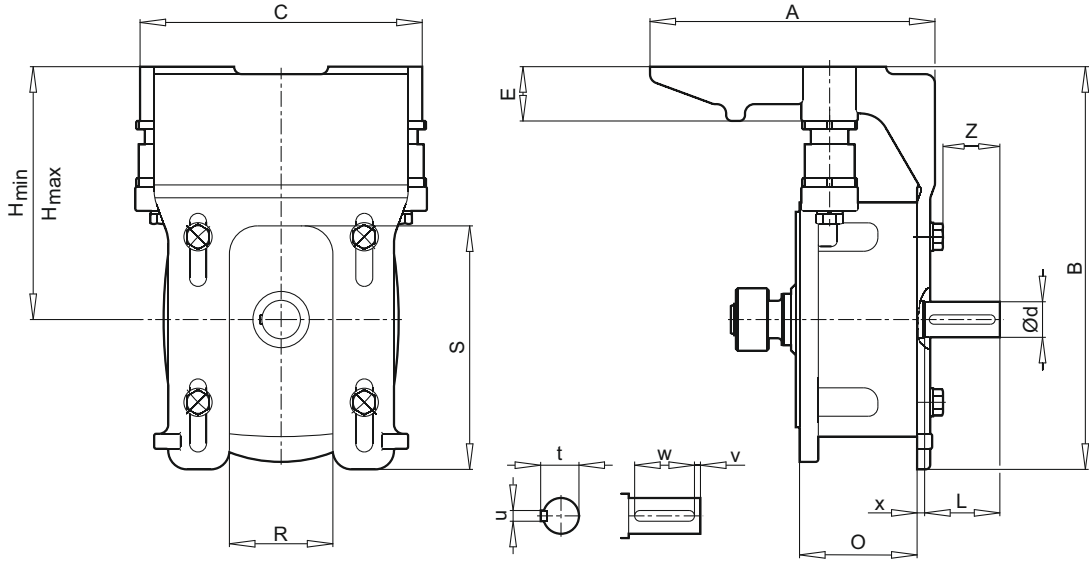
Tip / Type	1 L	2	3	4	5	6		7		8 d x mH	9		
						d2	s	d3	s3		a	D	
PKD A 0290 DG/Ç	100	A10	125 x 1.5	M12	M10 X 45	24.9	3	24.9	12	M12	25 x 116	20	38
PKD B 0290 DG/Ç	120	A10	125 x 1.5	M12	M10 X 45	24.9	3	24.9	12	M12	25 x 138	20	38
PKD C 1290 DG/Ç	140	A10	130 x 1.5	M12	M10 X 45	29.0	3	29.0	12	M12	30 x 164	20	40
PKD H 4290 DG/Ç	140	A12	135 x 1.5	M12	M12 X 55	34.9	3	34.9	16	M16	35 x 170	24.5	45
PKD F 5290 DG/Ç	160	A16	140 x 2.0	M16	M16 X 70	39.9	4	39.9	16	M16	40 x 192	25	55
PKD 1390 DG/Ç	120	A12	135 x 1.5	M16	M12 X 55	34.9	3	34.9	16	M16	35 x 148	24.5	45
PKD G1390 DG/Ç	120	A16	140 x 2.0	M16	M16 X 70	39.9	4	39.9	16	M16	40 x 148	25	55
PKD 2390 DG/Ç	150	A16	140 x 2.0	M16	M16 X 70	39.9	4	39.9	16	M16	40 x 180	25	55
PKD 3390 DG/Ç	170	A16	150 x 2.5	M20	M16 X 70	49.9	4	49.9	20	M20	50 x 210	26	65
PKD 4390 DG/Ç	195	A20	160 x 3.0	M24	M20 X 90	59.9	5	59.9	24	M24	60 x 240	30	75
PKD 5390 DG/Ç	255	A20	170 x 3.0	M24	M20 X 90	69.9	5	69.9	24	M24	70 x 300	31.5	95
PKD 6390 DG/Ç	295	A20	180 x 4.0	M30	M20 X 100	79.9	8	79.9	30	M30	80 x 350	32	88
PKD 7390 DG/Ç	305	A24	190 x 4.0	M30	M24 X 110	89.9	8	89.9	22	M30	90 x 350	36	102
PKD 8390 DG/Ç	360	A24	1110 x 5.0	M30	M24 X 110	109.9	10	109.9	30	M30	110 x 420	36.5	135
PKD G 8390 DG/Ç	440	A24	1120 x 5.0	M36	M24 X 110	119.9	10	119.9	32	M36	120 x 500	36.5	150

Tabloda belirtilen numaralar Sayfa 68' de açıklanmaktadır.

The numbers which are specified at table are explained on Page 68



**Motor Platformu Ölçüleri**  
Motor Platform Dimensions



Tip Type	Bağlantı boyutları ve platform ölçüleri Connection and Platform dimensions										Mil Ölçüleri Shaft size				Flaş Flange
	A	B	C	E	R	S	H min	H max	Z	O	Ød L	t u	v w	x	
MK I 63 M - 100 L	224	253	206	45	60	140	153	173	41	121.5	24 50	27 8	5 40	8	160 S
MK II 80 M - 112 M	238	320	252	50	66	145	199	224	48	115.5	28 60	31 8	5 50	9	250 S
MK III-A 90 S - 132 M	305	430	302	58	110	260	254	286	61	127	38 80	41 10	5 70	8	300 S
MK III-B 90 S - 132 M	305	430	302	58	110	260	254	286	91	172	42 110	45 12	10 90	8	Ø250
MK IV 112 M - 200 L	478	530	402	75	130	315	315	355	116	254	65 140	69 18	15 110	8	Ø350
MK V 200 L - 250 M	664	690	572	105	382	369	465	515	119	247	65 140	69 18	15 110	12	Ø450

**Motor Platform Montajı**

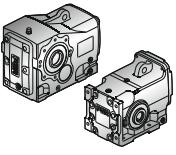
Motor platform tasarımı PGR monoblok dişli ünitesi serilerinin tüm montaj pozisyonlarında kullanılabilir. 5 motor platformu boyutu tüm motor-redüktör kombinasyonlarını kapsar. Çok kademeli redüktörleri de karşılayan ayrı ayrı redüktörler için seçim tablolarından motor platformları bakılabilir.

- \* Her montaj pozisyonu için kullanılabilir.
- \* Optimum kayış gerilimi için kolayca yönlendirilebilen yükseklik ayarlaması yapılabilir.
- \* Sabitleme elemanları da dahil olmak üzere korozyona karşı direçlidir.
- \* Hafif, vibrasyonu absorbe eden alüminyum yapı mevcuttur..
- \* Birçok motor boyutu için kullanım kolaylığı sağlar.
- \* Tabloya göre "i" oranının 1'e eşit olduğu durumlar için önerilir.
- \* Her yöne 90°'ye kadar eksen etrafında dönebilir.

**Assembling of Motor Platform**

Motor platform design could be used at all PGR monoblock gear unit series for all mounting positions. There are 5 motor platform designs. This platforms are provide using possibility with all motor-gear unit series. Motor platform type, dimension and suitable belt type could be followed from table which is shown on page 39-41, on the other hand this table is valid for multi stage gear units.

- \* It could be used for all mounting positions.
- \* It could be adjusted for optimum belt-tension and height easily.
- \* It has high corrosion resistance however fixing elements have this property.
- \* Aluminum structure provide vibration absorbing and light weight.
- \* It could be used with all motor type.
- \* We recommend, it is suitable for while "i" ratio is equal to one, table is prepared according to this situation
- \* It could be adjusted to all direction up to 90°.



Tip Type	PKD 1390 PKD G 1390 PKD 2390	PKD 3390	PKD 4390 PKD 5390	PKD 6390 PKD 7390	PKD 8390	PKD G 8390	PKD 9390 PKD G9390
<b>Motor</b>	W III	W II	W III	W III W IV	W V W IV	W V W IV	W IV
<b>63 M</b>	MK I						
<b>71 M</b>	MK I						
<b>80 M</b>	MK I	MK II					
<b>90 S 90 L</b>	MK I	MK II	MK III - A	MK III - B			
<b>100 L</b>	MK I	MK II	MK III - A	MK III - B			
<b>112 M</b>		MK II	MK III - A	MK III - B	MK IV	MK IV	
<b>132 S 132 M</b>			MK III - A	MK III - B	MK IV	MK IV	
<b>160 M 160 L</b>				MK IV	MK IV	MK IV	
<b>180 M 180 L</b>				MK IV	MK IV	MK IV **	
<b>200 L</b>				MK IV	MK IV	MK IV **	MK V
<b>225 S 225 M</b>					MK V	MK V	MK V
<b>250 M</b>					MK V	MK V	MK V
<b>280 M</b>							MK V

\*\* Ayarlanabilir mesafe (sınırlı)

\*\* There is a limit distance for adjustment.

**Seçim Örneği:**

Çıkış gücü ve hızına göre gerekli olan dişli ünitesinin temel tipini ve gerekli çıkış gücü veya çıkış dönüş hızına dayanan çıkış gücü ve dişli oranını saptayınız.

Örnek :

0.18 kW , 5.8 min , i = 232.89  
PKD 2390 100L

Bu esas dişli ünitesi tipi için, motor platformu MK I tayin edildiğini tablodan (yukarıya bakınız) saptayınız. Bu nedenle, tam tip tanımı PKD 2390 - MK I - 100'dür.

MK I tablodan (sayfa 72) bant makarası ve bant tipi ile ilgili daha fazla bilgi alabilirsiniz.

Esas boyutlar, tabloda gösterilmiştir. (sayfa 70)

**Selection Example:**

Motor platform assignment could be explained in one example hence, according to selecting gear unit reduction ratio, output speed and motor power is determined.

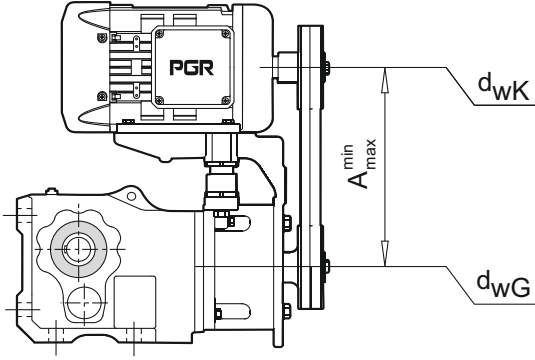
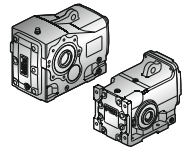
Example :

0.18 kW , 5.8 min , i = 232.89  
PKD 2390 100L

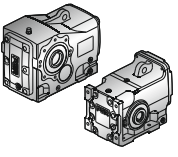
From table (see above of this page) type of gear unit (column) and motor type ( row ) are intersected. Hence, from this motor bracket MK I dimension should be used. Full designation is PKD 2390 - MK I - 100

Following page shows more detail about belt pulley and type of belt (see page 72). You can see dimension of belt length with motor platform assignment.

The basic dimensions are seen on page 70.

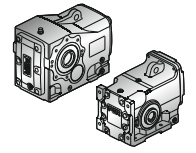


	Motor	Çıkış Output (kW)	Ayar aralığı Adjustment range		Kayış uzunluğu Belt length	Mil merkezi uzaklığı Shaft centre distance A	Kayış sayısı Number of belts
			Amin	Amax			
<b>MK I</b> Kayış Tipi SPZ Belt type SPZ	63 M/4A	0.12	216	236	<b>(d<sub>wG</sub> = 80) (i = 1) Lw</b> 697 697 710 710 737 737 750 750 772 772	223	1
	63 M/4B	0.18	216	236		223	1
	71 M/4A	0.25	224	244		229	1
	71 M/4B	0.37	224	244		229	1
	80 M/4A	0.55	233	253		243	1
	80 M/4B	0.75	233	253		243	1
	90 S/4A	1.10	243	263		249	1
	90 L/4A	1.50	243	263		249	2
	100 L/4A	2.20	253	273		260	2
	100 L/4B	3.00	253	273		260	3
<b>MK II</b> Kayış Tipi XPZ Belt type XPZ	80 M/4A	0.55	279	304	<b>(d<sub>wG</sub> = 112) (i = 1) Lw</b> 930 930 950 950 980 980 1000	289	1
	80 M/4B	0.75	279	304		289	1
	90 S/4A	1.10	289	314		299	1
	90 L/4A	1.50	289	314		299	1
	100 L/4A	2.20	299	324		314	1
	100 L/4B	3.00	299	324		314	2
	112 M/4B	4.00	311	336		324	2
<b>MK III</b> Kayış Tipi SPZ Belt type SPZ	90 S/4A	1.10	344	376	<b>(d<sub>wG</sub> = 160) (i = 1) Lw</b> 1222 1222 1250 1250 1262 1312 1312 1312	360	1
	90 L/4B	1.50	344	376		360	1
	100 L/4A	2.20	354	386		374	1
	100 L/4B	3.00	354	386		374	1
	112 M/4B	4.00	366	398		380	2
	132 S/4C	5.50	386	418		405	2
	132 M/4B	7.50	386	418		405	3
	132 M/4	9.20	386	418		405	3
<b>MK IV</b> Kayış Tipi XPA Belt type XPA	112 M/4B	4.00	427	467	<b>(d<sub>wG</sub> = 200) (i = 1) Lw</b> 1500 1550 1550 1550 1600 1600 1650 1650 1700	436	1
	132 S/4C	5.50	447	487		461	1
	132 M/4B	7.50	447	487		461	2
	132 M/4	9.20	447	487		461	2
	160 M/4B	11.0	475	515		486	2
	160 L/4A	15.0	475	515		486	3
	180 M/4B	18.5	495	535		511	3
	180 L/4B	22.0	495	535		511	4
	200 L/4C	30.0	515	555		536	4
<b>MK V</b> Kayış Tipi SPA Belt type SPA	200 L/4C	30.0	665	715	<b>(d<sub>wG</sub> = 250) (i = 1) Lw</b> 2182 2207 2207	698	4
	225 S/4A	37.0	690	740		710	4
	225 M/4C	45.0	690	740		710	5
<b>MK V</b> Kayış Tipi SPB Belt type SPB	250 M/4C	55.0	715	765	<b>(d<sub>wG</sub> = 250) (i = 1) Lw</b> 2240	727	4



## Motorlu Seçim Tabloları Selection of Gearmotors





**Motorlu redüktör performans tablolarının yapısı.**  
Notify about performance tables for Geared motor.

**0.25 kW**

**Redüktör motor gücü**  
Gear unit motor power

**Motor gücü**  
Rated motor power

**Çıkış devri**  
Output speed

**Çıkış momenti**  
Output torque

**Servis faktörü**  
Service factor

**Tahvil oranı**  
Reduction ratio

**Redüktör tipi**  
Gear unit motor type

**Ağırlık**  
Weight

**Ölçü sayfaları**  
Drawing pages

$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [N]	$F_A$ [N]	$F_{R GR}$ [N]	$F_{A GR}$ [N]	Tip / Type	<b>Kg</b>	Sayfa Page mm
<b>0.25</b>	4.7 5.6	509 429	3.0 3.6	296.10 250.01	15.0 15.0	15.0 15.0	15.0 15.0	23.0 23.0	<b>PKD 3390 - 71M/4A</b>	69	144-145

**Müsaade edilebilir radyal yükler**  
Normal rulmanlarda  
 $F_R$  için listelenmiş değerlerde  
 $F_A = 0$  (N) olarak hesaplanmıştır

Permissible radial force or load on output shaft while normal bearings are used. For this load  $F_A$  is assumed equal zero.  $F_A = 0$  (N)

**Müsaade edilebilir eksenel yükler**  
Normal rulmanlarda  
 $F_A$  için listelenmiş değerlerde  
 $F_R = 0$  (N) olarak hesaplanmıştır

Permissible axial force or load on output shaft while normal bearings are used. For this load  $F_R$  is assumed equal zero.  $F_R = 0$  (N)

**Müsaade edilebilir eksenel yükler**  
Güçlendirilmiş rulmanlarda  
(Sadece ayak montajlı, helisel konik dişli redüktörlerde PKD 7390' a kadar)

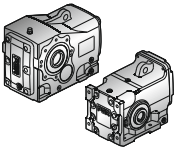
**$F_A$  için listelenmiş değerlerde**  
 $F_R = 0$  (N) olarak hesaplanmıştır

Permissible axial force on output shaft while reinforced bearings are used (exist for PKD 7390 and lesser gear case). For this load  $F_R$  is assumed equal to zero.  $F_R = 0$  (N)

**Müsaade edilebilir radyal yükler**  
Güçlendirilmiş rulmanlarda  
(Sadece ayak montajlı, helisel konik dişli redüktörlerde PKD 7390' a kadar)

**$F_R$  için listelenmiş değerlerde**  
 $F_A = 0$  (N) olarak hesaplanmıştır

Permissible radial force or load on output shaft while reinforced bearings are used ( exist for PKD 7390 and lesser gear case). For this load  $F_A$  is assumed equal to zero.  $F_A = 0$  (N)



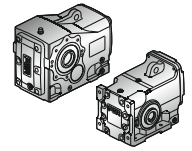
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>0.12</b>	1.0	1186	1.3	1363.01	11.0	15.0	15.0	30.0	<b>PKD 3490 - 63M/4A</b>	72	146-147
	1.1	1001	1.5	1151.03	13.0	15.0	15.0	30.0			
	1.5	760	2.0	873.20	14.0	15.0	15.0	30.0			
	1.9	602	2.6	691.75	14.0	15.0	15.0	30.0			
	2.4	469	3.3	538.92	15.0	15.0	15.0	30.0			
	1.2	975	0.9	1121.09	-	12.0	8.0	25.0	<b>PKD 2490 - 63M/4A</b>	49	142-143
	1.4	829	1.0	952.47	3.0	12.0	10.0	25.0			
	1.7	656	1.3	754.58	6.0	12.0	11.0	25.0			
	1.9	590	1.5	678.31	7.0	12.0	11.0	25.0			
	2.3	489	1.8	562.44	8.0	12.0	12.0	25.0			
	2.8	412	2.1	473.11	8.0	12.0	12.0	25.0			
	3.9	296	2.9	339.72	9.0	12.0	12.0	25.0			
	0.9	*763	0.8	1412.66	5.0	20.0	9.0	20.0	<b>PKD G 1490 - 63M/4A</b>	42	138-139
	1.0	*763	0.8	1255.89	5.0	20.0	9.0	20.0			
	2.1	548	1.1	630.06	8.0	20.0	9.0	20.0			
	2.4	486	1.3	558.17	8.0	20.0	9.0	20.0			
	2.7	429	1.4	493.33	9.0	20.0	9.0	20.0			
	3.6	320	1.9	367.72	9.0	20.0	9.0	20.0			
	3.1	368	1.6	277.79	9.0	20.0	9.0	20.0	<b>PKD G 1390 - 63M/6</b>	37	136-137
	3.7	311	1.9	234.59	9.0	20.0	9.0	20.0			
	4.2	273	2.2	206.01	9.0	20.0	9.0	20.0			
	4.7	242	2.4	277.79	9.0	20.0	9.0	20.0	<b>PKD G 1390 - 63M/4A</b>	37	136-137
	5.6	204	2.9	234.59	9.0	20.0	9.0	20.0			
	0.9	*500	0.8	1412.66	3.0	20.0	8.0	20.0	<b>PKD 1490 - 63M/4A</b>	41	134-135
	1.0	*500	0.8	1255.89	3.0	20.0	8.0	20.0			
	1.6	*500	0.8	848.31	3.0	20.0	8.0	20.0			
	2.0	*500	0.8	668.11	3.0	20.0	8.0	20.0			
	2.2	*500	0.8	590.51	3.0	20.0	8.0	20.0			
	3.0	383	1.0	440.14	5.0	20.0	9.0	20.0			
	2.6	441	0.9	332.51	5.0	20.0	8.0	20.0	<b>PKD 1390 - 63M/6</b>	36	132-133
	3.1	372	1.1	280.80	6.0	20.0	9.0	20.0			
	3.5	327	1.2	246.59	6.0	20.0	9.0	20.0			
	4.0	289	1.4	332.51	6.0	20.0	9.0	20.0	<b>PKD 1390 - 63M/4A</b>	36	132-133
	4.7	244	1.6	280.80	7.0	20.0	9.0	20.0			
	5.3	215	1.9	246.59	7.0	20.0	9.0	20.0			
	6.4	179	2.2	206.01	7.0	20.0	9.0	20.0			
	7.9	145	2.8	166.82	7.0	20.0	9.0	20.0			
	9.4	123	3.3	140.87	7.0	20.0	9.0	20.0			
	10.6	108	3.7	123.71	7.0	20.0	9.0	20.0			
	13.5	85	4.7	97.43	7.0	20.0	9.0	20.0			
	15.3	75	5.3	86.12	7.0	20.0	9.0	20.0			
	17.2	67	6.0	76.68	7.0	20.0	9.0	20.0			
	21.0	55	7.3	62.74	7.0	20.0	9.0	20.0			
	23.8	48	8.3	55.26	7.0	20.0	9.0	20.0			
	26.9	43	9.4	48.92	7.0	20.0	9.0	20.0			
31.6	36	11.0	41.72	7.0	20.0	9.0	20.0				
37.8	30	13.2	34.86	7.0	20.0	9.0	20.0				
41.8	27	14.6	31.48	7.0	20.0	9.0	20.0				
47.5	24	16.6	27.72	7.0	20.0	9.0	20.0				
53.7	21	18.7	24.55	7.0	20.0	9.0	20.0				
62.9	18	19.6	20.93	7.0	20.0	9.0	20.0				
75.3	15	19.5	17.49	7.0	20.0	9.0	20.0				
86.3	13	20.2	15.27	7.0	19.0	9.0	19.0				
107.4	11	18.2	12.27	7.0	18.0	9.0	18.0				
121.3	9	18.9	10.86	7.0	17.0	9.0	17.0				
142.2	8	19.6	9.26	7.0	16.0	9.0	16.0				
162.9	7	20.3	8.09	7.0	16.0	9.0	16.0				

\* max. çıkış momenti f<sub>B</sub> = 0.8

\* max. output torque with f<sub>B</sub> = 0.8



**0.12 kW**  
**0.18 kW**

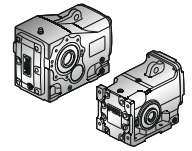


$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	<b>Kg</b>	Sayfa Page mm ↔
<b>0.12</b>	21.0	55	2.3	62.77	4.7	9.0	-	-	<b>PKD C 1290 - 63M/4A</b>	20	126-127
	24.0	48	2.3	54.92	4.7	9.0	-	-			
	27.0	43	3.9	49.69	4.7	9.0	-	-			
	30.0	38	4.0	43.48	4.7	9.0	-	-			
	18.0	63	0.9	72.24	3.2	5.6	-	-	<b>PKD B 0290 - 63M/4A</b>	14	124-125
	21.0	55	0.9	63.21	3.2	5.6	-	-			
	25.0	47	1.9	53.52	3.3	5.6	-	-			
	28.0	41	1.8	46.83	3.3	5.6	-	-			
	32.0	36	3.2	41.23	3.3	5.6	-	-			
	37.0	31	3.2	36.08	3.4	5.6	-	-			
	41.0	28	4.3	32.24	3.4	5.6	-	-			
	47.0	25	4.9	28.21	3.4	5.6	-	-			
	70.0	16	5.2	18.81	3.4	5.6	-	-			
	84.0	14	8.9	15.62	3.4	5.6	-	-			
	98.0	12	10.3	13.48	3.4	5.6	-	-			
	112.0	10	11.6	11.79	3.4	5.6	-	-			
	127.0	9	11.9	10.35	3.4	5.6	-	-			
	145.0	8	13.2	9.06	3.4	5.6	-	-			
	165.0	7	14.1	8.00	3.4	5.6	-	-			
	187.0	6	14.9	7.05	3.4	5.6	-	-			
	218.0	5	13.7	6.04	3.4	5.6	-	-			
	247.0	5	16.2	5.34	3.4	5.6	-	-			
	276.0	4	14.8	4.77	3.4	5.4	-	-			
	320.0	4	18.2	4.11	3.4	5.1	-	-			
	24.0	48	1.1	54.62	3.2	5.1	-	-	<b>PKD A 0290 - 63M/4A</b>	9	122-123
	28.0	42	1.1	47.79	3.2	5.1	-	-			
	33.0	34	2.3	39.64	3.2	5.1	-	-			
	38.0	30	2.5	34.69	3.2	5.1	-	-			
	44.0	26	2.7	30.13	3.2	5.1	-	-			
	50.0	23	3.9	26.36	3.3	5.1	-	-			
	57.0	20	4.4	23.26	3.3	5.1	-	-			
	65.0	18	5.0	20.35	3.3	5.1	-	-			
75.0	15	3.9	17.58	3.3	5.1	-	-				
97.0	12	6.4	13.57	3.3	5.1	-	-				
119.0	10	9.5	11.05	3.3	5.1	-	-				
136.0	8	11.2	9.67	3.3	5.1	-	-				
147.0	8	11.5	8.99	3.3	5.1	-	-				
168.0	7	13.2	7.86	3.3	5.1	-	-				
204.0	6	12.5	6.45	3.3	5.1	-	-				
228.0	5	14.3	5.78	3.3	5.1	-	-				
251.0	5	14.1	5.24	3.3	5.0	-	-				
342.0	3	12.8	3.85	3.0	4.4	-	-				
<b>0.18</b>	1.0	1741	0.9	1363.01	3.0	15.0	15.0	30.0	<b>PKD 3490 - 63M/4B</b>	72	146-147
	1.2	1471	1.1	1151.03	9.0	15.0	15.0	30.0			
	1.5	1116	1.4	873.20	12.0	15.0	15.0	30.0			
	1.9	884	1.8	691.75	13.0	15.0	15.0	30.0			
	2.5	689	2.3	538.92	14.0	15.0	15.0	29.0			
	3.4	510	3.0	399.39	15.0	15.0	15.0	27.0			
	3.8	451	3.4	353.00	15.0	15.0	15.0	27.0			
	1.8	964	0.9	754.58	0.4	12.0	8.0	25.0			
	2.0	867	1.0	678.31	1.0	12.0	9.0	25.0			
	2.4	719	1.2	562.44	5.0	12.0	10.0	25.0			
	2.8	604	1.4	473.11	7.0	12.0	11.0	25.0			
	4.0	434	2.0	339.72	8.0	12.0	12.0	25.0			
	4.5	380	2.3	297.67	9.0	12.0	12.0	25.0			
	5.8	298	2.4	232.89	9.0	12.0	12.0	23.0	<b>PKD 2390 - 63M/4B</b>	44	140-141



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	<b>Kg</b>	Sayfa Page mm ↔
<b>0.18</b>	2.4	713	0.9	558.17	6.0	20.0	9.0	20.0	<b>PKD G 1490 - 63M/4B</b>	42	138-139
	2.7	630	1.0	493.33	7.0	20.0	9.0	20.0			
	3.7	470	1.3	367.72	8.0	20.0	9.0	20.0			
	3.2	531	1.1	277.79	8.0	20.0	9.0	20.0	<b>PKD G 1390 - 71M/6A</b>	40	136-137
	3.8	448	1.3	234.59	9.0	20.0	9.0	20.0			
	4.4	393	1.6	206.01	9.0	20.0	9.0	20.0			
	4.8	355	1.7	277.79	9.0	20.0	9.0	20.0	<b>PKD G 1390 - 63M/4B</b>	37	136-137
	5.7	300	2.0	234.59	9.0	20.0	9.0	20.0			
	6.5	263	2.3	206.01	9.0	20.0	9.0	20.0			
	3.2	536	0.7	280.80	3.0	20.0	7.0	20.0	<b>PKD 1390 - 71M/6A</b>	39	132-133
	3.6	471	0.8	246.59	4.0	20.0	8.0	20.0			
	4.0	425	0.9	332.51	5.0	20.0	8.0	20.0	<b>PKD 1390 - 63M/4B</b>	36	132-133
	4.8	359	1.1	280.80	6.0	20.0	9.0	20.0			
	5.5	315	1.3	246.59	6.0	20.0	9.0	20.0			
	6.5	263	1.5	206.01	6.0	20.0	9.0	20.0			
	8.1	213	1.9	166.82	7.0	20.0	9.0	20.0			
	9.6	180	2.2	140.87	7.0	20.0	9.0	20.0			
	10.9	158	2.5	123.71	7.0	20.0	9.0	20.0			
	13.8	124	3.2	97.43	7.0	20.0	9.0	20.0			
	15.6	110	3.6	86.12	7.0	20.0	9.0	20.0			
	17.5	98	4.1	76.68	7.0	20.0	9.0	20.0			
	21.4	80	5.0	62.74	7.0	20.0	9.0	20.0			
	24.3	71	5.7	55.26	7.0	20.0	9.0	20.0			
	27.5	63	6.4	48.92	7.0	20.0	9.0	20.0			
	32.2	53	7.5	41.72	7.0	20.0	9.0	20.0			
	38.6	45	9.0	34.86	7.0	20.0	9.0	20.0			
	42.7	40	9.9	31.48	7.0	20.0	9.0	20.0			
	48.5	35	11.3	27.72	7.0	20.0	9.0	20.0			
	54.8	31	12.8	24.55	7.0	20.0	9.0	20.0			
	64.3	27	13.4	20.93	7.0	20.0	9.0	20.0			
	76.9	22	13.4	17.49	7.0	19.0	9.0	19.0			
88.1	20	13.8	15.27	7.0	19.0	9.0	19.0				
109.7	16	12.4	12.27	7.0	17.0	9.0	17.0				
123.9	14	12.8	10.86	7.0	17.0	9.0	17.0				
145.3	12	13.3	9.26	7.0	16.0	9.0	16.0				
166.4	10	13.8	8.09	7.0	15.0	9.0	15.0				
	23.0	76	5.0	59.20	6.1	12.0	-	-	<b>PKD F 4290 - 63M/4B</b>	37	128-129
	26.0	66	5.2	51.80	6.1	12.0	-	-			
	21.0	80	1.6	62.77	4.6	9.0	-	-	<b>PKD C 1290 - 63M/4B</b>	20	126-127
	24.0	70	1.6	54.92	4.6	9.0	-	-			
	27.0	63	2.7	49.69	4.6	9.0	-	-			
	31.0	56	2.7	43.48	4.7	9.0	-	-			

**0.18 kW**  
**0.25 kW**

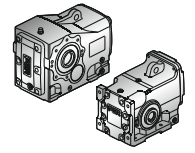


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm	
<b>0.18</b>	25.0	68	1.3	53.52	3.1	5.6	-	-	<b>PKD B 0290 - 63M/4B</b>	14	124-125	
	29.0	60	1.3	46.83	3.2	5.6	-	-				
	33.0	53	2.2	41.23	3.3	5.6	-	-				
	37.0	46	2.2	36.08	3.3	5.6	-	-				
	42.0	41	2.9	32.24	3.3	5.6	-	-				
	48.0	36	3.3	28.21	3.3	5.6	-	-				
	72.0	24	3.5	18.81	3.4	5.6	-	-				
	86.0	20	6.0	15.62	3.4	5.6	-	-				
	100.0	17	7.1	13.48	3.4	5.6	-	-				
	114.0	15	7.5	11.79	3.4	5.6	-	-				
	130.0	13	8.1	10.35	3.4	5.6	-	-				
	149.0	12	9.2	9.06	3.4	5.6	-	-				
	168.0	10	9.4	8.00	3.4	5.6	-	-				
	191.0	9	10.4	7.05	3.4	5.6	-	-				
	223.0	8	10.2	6.04	3.4	5.6	-	-				
	252.0	7	10.6	5.34	3.4	5.6	-	-				
	282.0	6	10.4	4.77	3.4	5.6	-	-				
	327.0	5	10.6	4.11	3.4	5.6	-	-				
	34.0	51	1.6	39.64	3.1	5.1	-	-	<b>PKD A 0290 - 63M/4B</b>	9	122-123	
	39.0	44	1.7	34.69	3.2	5.1	-	-				
	45.0	38	1.8	30.13	3.2	5.1	-	-				
	51.0	34	2.7	26.36	3.2	5.1	-	-				
	58.0	30	3.0	23.26	3.2	5.1	-	-				
	66.0	26	3.4	20.35	3.2	5.1	-	-				
	77.0	22	2.7	17.58	3.3	5.1	-	-				
	99.0	17	4.4	13.57	3.3	5.1	-	-				
	122.0	14	6.3	11.05	3.3	5.1	-	-				
	139.0	12	7.5	9.67	3.3	5.1	-	-				
	150.0	11	8.0	8.99	3.3	5.1	-	-				
	171.0	10	8.7	7.86	3.3	5.1	-	-				
	209.0	8	7.8	6.45	3.3	5.1	-	-				
	233.0	7	10.7	5.78	3.3	5.1	-	-				
	257.0	7	9.2	5.24	3.2	4.9	-	-				
	349.0	5	10.0	3.85	2.9	4.3	-	-				
	<b>0.25</b>	1.5	1599	3.0	931.06	38.0	45.0	38.0	45.0	<b>PKD 5490 - 71M/4A</b>	209	154-155
		2.0	1209	3.3	703.71	38.0	45.0	38.0	45.0			
0.9		2605	1.1	1516.84	23.0	40.0	28.0	40.0	<b>PKD 4490 - 71M/4A</b>	131	150-151	
1.2		1913	1.5	1113.75	25.0	40.0	28.0	40.0				
1.6		1516	1.8	882.35	27.0	40.0	28.0	40.0				
2.2		1107	2.5	644.73	27.0	40.0	28.0	40.0				
2.4		975	2.9	567.85	28.0	40.0	28.0	40.0				
1.2		1977	0.8	1151.03	1.0	15.0	13.0	30.0	<b>PKD 3490 - 71M/4A</b>	75	146-147	
1.6		1500	1.0	873.20	9.0	15.0	15.0	30.0				
2.0		1188	1.3	691.75	11.0	15.0	15.0	29.0				
2.6		926	1.7	538.92	13.0	15.0	15.0	28.0				
3.5		686	2.3	399.39	14.0	15.0	15.0	26.0				
3.9		606	2.6	353.00	14.0	15.0	15.0	26.0				
5.2		460	3.4	267.79	15.0	15.0	15.0	24.0				
6.5		369	4.2	215.12	15.0	15.0	15.0	23.0				
8.3		288	5.4	167.59	15.0	15.0	15.0	21.0				
4.7		509	3.0	296.10	15.0	15.0	15.0	23.0	<b>PKD 3390 - 71M/4A</b>	69	144-145	
5.6		429	3.6	250.01	15.0	15.0	15.0	23.0				
2.5		966	0.9	562.44	-	12.0	8.0	25.0	<b>PKD 2490 - 71M/4A</b>	52	142-143	
2.9		813	1.1	473.11	3.0	12.0	9.0	25.0				
4.1		584	1.5	339.72	7.0	12.0	11.0	24.0				
4.7	511	1.7	297.67	8.0	12.0	12.0	24.0					
6.1	393	1.7	228.98	8.0	12.0	12.0	22.0					



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm	
<b>0.25</b>	6.0	400	1.7	232.89	8.0	12.0	12.0	22.0	<b>PKD 2390 - 71M/4A</b>	47	140-141	
	3.9 4.4	615 540	1.0 1.1	234.59 206.01	7.0 8.0	20.0 20.0	9.0 9.0	20.0 20.0	<b>PKD G 1390 - 71M/6B</b>	42	136-137	
	5.0 5.9 6.7	477 403 354	1.2 1.5 1.7	277.79 234.59 206.01	8.0 9.0 9.0	20.0 20.0 20.0	9.0 9.0 9.0	20.0 20.0 20.0	<b>PKD G 1390 - 71M/4A</b>	40	136-137	
	4.4	540	0.7	206.01	2.0	20.0	7.0	20.0	<b>PKD 1390 - 71M/6B</b>	41	132-133	
	5.0 5.6 6.7 8.3 9.9 11.2 14.3 16.1 18.1 22.2 25.2 28.4 33.3 39.9 44.2 50.1 56.6 66.4 79.5 91.0 113.3 128.0 150.1 171.9	482 424 354 287 242 212 167 148 132 108 95 84 72 60 54 48 42 36 30 26 21 19 16 14	0.8 0.9 1.1 1.4 1.7 1.9 2.4 2.7 3.0 3.7 4.2 4.8 5.6 6.7 7.4 8.4 9.5 10.0 10.0 10.3 9.2 9.6 9.9 10.3	280.80 246.59 206.01 166.82 140.87 123.71 97.43 86.12 76.68 62.74 55.26 48.92 41.72 34.86 31.48 27.72 24.55 20.93 17.49 15.27 12.27 10.86 9.26 8.09	4.0 5.0 6.0 6.0 7.0	20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 19.0 18.0 17.0 17.0 17.0 16.0 15.0	8.0 8.0 9.0	20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 18.0 17.0 17.0 16.0 15.0	<b>PKD 1390 - 71M/4A</b>	39	132-133	
	23.0 27.0	102 89	3.7 3.9	59.20 51.80	6.1 6.1	12 12	- -	- -	- -	<b>PKD F 4290 - 71M/4A</b>		128-129
	22.0 25.0 28.0 32.0 36.0 41.0	108 94 85 75 66 58	1.2 1.2 2.0 2.0 2.9 3.2	62.77 54.92 49.69 43.48 38.59 33.76	4.5 4.5 4.6 4.6 4.6 4.7	9.0 9.0 9.0 9.0 9.0 9.0	- - - - - -	- - - - - -	- - - - - -	<b>PKD C 1290 - 71M/4A</b>		126-127
	26.0 30.0 34.0 39.0 43.0 49.0 74.0 89.0 103.0 118.0 134.0 153.0 174.0 197.0 230.0 260.0 292.0 338.0	92 80 71 62 55 48 32 27 23 20 18 16 14 12 10 9 8 7	1.0 0.9 1.6 1.6 2.2 2.5 2.6 4.5 5.1 5.6 6.2 6.8 7.3 7.8 7.1 7.6 7.8 8.3	53.52 46.83 41.23 36.08 32.24 28.21 18.81 15.62 13.48 11.79 10.35 9.06 8.00 7.05 6.04 5.34 4.77 4.11	2.9 3.0 3.1 3.2 3.2 3.3 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4	5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 4.9	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	<b>PKD B 0290 - 71M/4A</b>		124-125	

**0.25 kW**  
**0.37 kW**

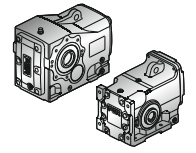


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.25</b>	35.0	68	1.2	39.64	3.0	5.1	-	-	<b>PKD A 0290 - 71M/4A</b>	13	122-123
	40.0	60	1.3	34.69	3.1	5.1	-	-			
	46.0	52	1.4	30.13	3.1	5.1	-	-			
	53.0	45	2.0	26.36	3.2	5.1	-	-			
	60.0	40	2.3	23.26	3.2	5.1	-	-			
	68.0	35	2.6	20.35	3.2	5.1	-	-			
	79.0	30	2.0	17.58	3.2	5.1	-	-			
	102.0	23	3.2	13.57	3.3	5.1	-	-			
	126.0	19	4.7	11.05	3.3	5.1	-	-			
	144.0	17	5.5	9.67	3.3	5.1	-	-			
	155.0	15	6.0	8.99	3.3	5.1	-	-			
	177.0	14	6.7	7.86	3.3	5.1	-	-			
	216.0	11	6.0	6.45	3.3	5.1	-	-			
	240.0	10	7.4	5.78	3.2	4.9	-	-			
265.0	9	6.6	5.24	3.2	4.7	-	-				
361.0	7	7.8	3.85	2.9	4.2	-	-				
<b>0.37</b>	0.9	3563	2.4	1448.34	64.0	50.0	66.0	50.0	<b>PKD 7390/32 - 71M/4B</b>	367	158-159
	1.2	2771	3.1	1166.22	65.0	50.0	66.0	50.0			
	1.0	3695	2.2	1388.82	64.0	50.0	66.0	50.0	<b>PKD 6390/32 - 71M/4B</b>	367	156-157
	1.2	2886	2.8	1118.29	64.0	50.0	66.0	50.0			
	1.0	3613	1.3	1399.82	33.0	45.0	38.0	45.0	<b>PKD 5490 - 71M/4B</b>	211	154-155
	1.3	2741	1.8	1061.93	36.0	45.0	38.0	45.0			
	1.5	2403	2.0	931.06	36.0	45.0	38.0	45.0			
	1.9	1816	2.3	703.71	37.0	45.0	38.0	45.0			
	2.4	1498	3.2	580.56	38.0	45.0	38.0	45.0			
	1.2	2874	1.0	1113.75	21.0	40.0	28.0	40.0	<b>PKD 4490 - 71M/4B</b>	131	150-151
	1.6	2277	1.2	882.35	24.0	40.0	28.0	40.0			
	2.1	1664	1.7	644.73	26.0	40.0	28.0	40.0			
	2.4	1465	1.9	567.85	27.0	40.0	28.0	40.0			
	3.9	904	3.1	350.42	28.0	40.0	28.0	38.0			
	2.0	1785	0.9	691.75	3.0	15.0	15.0	27.0	<b>PKD 3490 - 71M/4B</b>	77	146-147
	2.5	1391	1.1	538.92	10.0	15.0	15.0	26.0			
	3.4	1031	1.5	399.39	13.0	15.0	15.0	25.0			
	3.9	911	1.7	353.00	13.0	15.0	15.0	24.0			
	5.1	691	2.2	267.79	14.0	15.0	15.0	23.0			
	6.4	555	2.8	215.12	15.0	15.0	15.0	22.0			
	8.2	433	3.6	167.59	15.0	15.0	15.0	21.0			
4.6	764	2.0	296.10	14.0	15.0	15.0	23.0	<b>PKD 3390 - 71M/4B</b>	71	144-145	
5.5	645	2.4	250.01	14.0	15.0	15.0	22.0				
12.3	286	5.4	110.94	15.0	15.0	15.0	18.0				
4.0	877	1.0	339.72	0.4	12.0	9.0	23.0	<b>PKD 2490 - 71M/4B</b>	54	142-143	
4.6	768	1.1	297.67	4.0	12.0	10.0	22.0				
4.9	715	1.1	276.87	5.0	12.0	10.0	22.0	<b>PKD 2390 - 71M/4B</b>	49	140-141	
5.9	601	1.2	232.89	7.0	12.0	11.0	21.0				
6.2	566	1.5	219.34	7.0	12.0	11.0	21.0				
7.4	476	1.8	184.51	8.0	12.0	12.0	20.0				
13.8	255	3.4	98.92	9.0	12.0	12.0	18.0				
17.4	203	4.2	78.85	9.0	12.0	12.0	17.0				
5.8	605	1.0	234.59	7.0	20.0	9.0	20.0	<b>PKD G 1390 - 71M/4B</b>	42	136-137	
6.6	532	1.1	206.01	8.0	20.0	9.0	20.0				
7.5	473	1.3	183.15	8.0	20.0	9.0	20.0				
9.1	387	1.6	149.85	9.0	20.0	9.0	20.0				
14.9	237	2.1	91.88	9.0	20.0	9.0	20.0				
16.8	210	2.9	81.40	9.0	20.0	9.0	20.0				

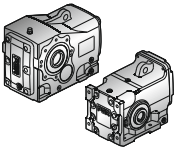


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>0.37</b>	7.5	473	0.8	183.15	4.0	20.0	8.0	20.0	<b>PKD 1390 - 71M/4B</b>	41	132-133
	9.7	364	1.1	140.87	6.0	20.0	9.0	20.0			
	11.1	319	1.3	123.71	6.0	20.0	9.0	20.0			
	12.4	284	1.4	109.98	6.0	20.0	9.0	20.0			
	14.1	251	1.6	97.43	7.0	20.0	9.0	20.0			
	15.9	222	1.8	86.12	7.0	20.0	9.0	20.0			
	17.9	198	2.0	76.68	7.0	20.0	9.0	20.0			
	21.8	162	2.5	62.74	7.0	20.0	9.0	20.0			
	24.8	143	2.8	55.26	7.0	20.0	9.0	20.0			
	28.0	126	3.2	48.92	7.0	20.0	9.0	20.0			
	32.8	108	3.7	41.72	7.0	20.0	9.0	20.0			
	39.3	90	4.4	34.86	7.0	20.0	9.0	20.0			
	43.5	81	4.9	31.48	7.0	20.0	9.0	20.0			
	49.4	72	5.6	27.72	7.0	20.0	9.0	20.0			
	55.8	63	6.3	24.55	7.0	20.0	9.0	20.0			
	65.4	54	6.6	20.93	7.0	20.0	9.0	20.0			
	78.3	45	6.6	17.49	7.0	19.0	9.0	19.0			
	89.7	39	6.9	15.27	7.0	18.0	9.0	18.0			
	111.6	32	6.1	12.27	7.0	17.0	9.0	17.0			
	126.1	28	6.4	10.86	7.0	17.0	9.0	17.0			
147.8	24	6.6	9.26	7.0	16.0	9.0	16.0				
169.3	21	6.9	8.09	7.0	15.0	9.0	15.0				
	22.0	162	0.8	62.77	4.1	9.0	-	-	<b>PKD C 1290 - 71M/4B</b>	26	126-127
	25.0	142	0.8	54.92	4.3	9.0	-	-			
	28.0	128	1.3	49.69	4.3	9.0	-	-			
	31.0	112	1.3	43.48	4.4	9.0	-	-			
	35.0	100	1.9	38.59	4.5	9.0	-	-			
	41.0	87	2.1	33.76	4.6	9.0	-	-			
	33.0	106	1.1	41.23	2.7	5.6	-	-	<b>PKD B 0290 - 71M/4B</b>	20	124-125
	38.0	93	1.1	36.08	2.9	5.6	-	-			
	42.0	83	1.4	32.24	3.0	5.6	-	-			
	49.0	73	1.6	28.21	3.1	5.6	-	-			
	73.0	49	1.8	18.81	3.3	5.6	-	-			
	88.0	40	3.0	15.62	3.3	5.6	-	-			
	102.0	35	3.4	13.48	3.3	5.6	-	-			
	116.0	30	3.8	11.79	3.4	5.6	-	-			
	132.0	27	4.1	10.35	3.4	5.6	-	-			
	151.0	23	4.6	9.06	3.4	5.6	-	-			
	171.0	21	4.8	8.00	3.4	5.6	-	-			
	194.0	18	5.2	7.05	3.4	5.6	-	-			
	227.0	16	5.1	6.04	3.4	5.6	-	-			
	257.0	14	5.2	5.34	3.4	5.4	-	-			
	287.0	12	5.1	4.77	3.4	5.2	-	-			
	333.0	11	5.7	4.11	3.4	4.8	-	-			
	35.0	102	0.8	39.64	2.6	5.1	-	-	<b>PKD A 0290 - 71M/4B</b>	15	122-123
	39.0	90	0.8	34.69	2.8	5.1	-	-			
	45.0	78	0.9	30.13	2.9	5.1	-	-			
	52.0	68	1.3	26.36	3.0	5.1	-	-			
	59.0	60	1.5	23.26	3.1	5.1	-	-			
	67.0	53	1.7	20.35	3.1	5.1	-	-			
	78.0	45	1.3	17.58	3.2	5.1	-	-			
	101.0	35	2.1	13.57	3.2	5.1	-	-			
	124.0	29	3.2	11.05	3.2	5.1	-	-			
	142.0	25	3.6	9.67	3.3	5.1	-	-			
	152.0	23	3.8	8.99	3.3	5.1	-	-			
	174.0	20	4.4	7.86	3.3	5.1	-	-			
	212.0	17	4.1	6.45	3.3	5.1	-	-			
	237.0	15	5.0	5.78	3.2	4.9	-	-			
	261.0	14	4.6	5.24	3.1	4.7	-	-			
	355.0	10	5.0	3.85	2.8	4.1	-	-			

# 0.55 kW



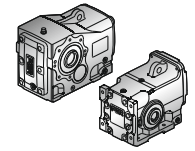
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
0.55	1.0	5326	1.6	1448.34	61.0	50.0	66.0	50.0	PKD 7390/32 - 80M/4A	367	158-159
	1.2	4143	2.1	1166.22	63.0	50.0	66.0	50.0			
	1.4	3354	2.5	972.42	64.0	50.0	66.0	50.0			
	1.8	2675	3.2	765.14	65.0	50.0	66.0	50.0			
	2.3	2075	4.1	596.10	65.0	50.0	66.0	50.0			
	1.0	5317	1.5	1388.82	61.0	50.0	66.0	50.0	PKD 6390/32 - 80M/4A	367	156-157
	1.3	4196	2.0	1118.29	63.0	50.0	66.0	50.0			
	1.5	3498	2.3	932.46	64.0	50.0	66.0	50.0			
	1.9	2753	3.0	733.69	64.0	50.0	66.0	50.0			
	1.0	5252	0.9	1399.82	24.0	45.0	38.0	45.0	PKD 5490 - 80M/4A	211	154-155
	1.3	3984	1.2	1061.93	31.0	45.0	38.0	45.0			
	1.5	3493	1.4	931.06	33.0	45.0	38.0	45.0			
	2.0	2640	1.8	703.71	36.0	45.0	38.0	45.0			
	2.4	2178	2.2	580.56	37.0	45.0	38.0	45.0			
	3.0	1722	2.8	459.05	37.0	45.0	38.0	45.0			
	1.6	3310	0.8	882.35	19.0	40.0	28.0	40.0	PKD 4490 - 80M/4A	131	150-151
	2.2	2419	1.2	644.73	23.0	40.0	28.0	40.0			
	2.5	2130	1.3	567.85	24.0	40.0	28.0	40.0			
	4.0	1315	2.1	350.42	27.0	40.0	28.0	37.0			
	5.0	1047	2.7	278.98	27.0	40.0	28.0	35.0			
	6.9	766	3.7	204.13	28.0	40.0	28.0	33.0			
	3.5	1498	1.0	399.39	8.0	15.0	15.0	23.0	PKD 3490 - 80M/4A	77	146-147
	4.0	1324	1.2	353.00	10.0	15.0	15.0	22.0			
	4.7	1111	1.4	296.10	12.0	15.0	15.0	21.0	PKD 3390 - 80M/4A	71	144-145
	5.6	938	1.7	250.01	13.0	15.0	15.0	20.0			
	6.0	878	1.8	234.13	13.0	15.0	15.0	20.0			
	7.1	742	2.1	197.69	14.0	15.0	15.0	19.0			
	6.4	823	1.0	219.34	3.0	12.0	9.0	20.0	PKD 2390 - 80M/4A	49	140-141
	7.6	692	1.2	184.51	6.0	12.0	11.0	19.0			
	8.2	637	1.3	169.88	6.0	12.0	11.0	19.0			
	10.2	516	1.7	137.63	8.0	12.0	12.0	18.0			
	12.1	434	2.0	115.77	8.0	12.0	12.0	18.0			
	14.2	371	2.3	98.92	9.0	12.0	12.0	17.0			
	16.4	320	2.7	85.23	9.0	12.0	12.0	17.0			
	17.8	296	2.9	78.85	9.0	12.0	12.0	16.0			
	21.1	249	3.4	66.47	9.0	12.0	12.0	16.0			
	24.0	219	3.9	58.24	9.0	12.0	12.0	15.0			
	26.9	195	4.3	52.11	9.0	12.0	12.0	15.0			
	7.6	687	0.9	183.15	6.0	20.0	-	-	PKD G 1390 - 80M/4A	42	136-137
	9.3	562	1.1	149.85	8.0	20.0	-	-			
	9.8	534	1.1	142.45	8.0	20.0	-	-			
	12.0	437	1.4	116.55	9.0	20.0	-	-			
15.2	345	1.5	91.88	9.0	20.0	-	-				
17.2	305	2.0	81.40	9.0	20.0	-	-				
19.5	270	2.2	71.94	9.0	20.0	-	-				
21.9	240	2.5	64.06	9.0	20.0	-	-				
26.7	197	3.1	52.42	8.0	20.0	-	-				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.55</b>	12.7	413	1.0	109.98	5.0	20.0	8.0	20.0	<b>PKD 1390 - 80M/4A</b>	41	132-133
	14.4	366	1.1	97.43	5.0	20.0	8.0	20.0			
	16.3	323	1.2	86.12	6.0	20.0	9.0	20.0			
	18.3	288	1.4	76.68	6.0	20.0	9.0	20.0			
	22.3	235	1.7	62.74	7.0	20.0	9.0	20.0			
	25.3	207	1.9	55.26	7.0	20.0	9.0	20.0			
	28.6	184	2.2	48.92	7.0	20.0	9.0	20.0			
	33.6	157	2.6	41.72	7.0	20.0	9.0	20.0			
	40.2	131	3.1	34.86	7.0	20.0	9.0	20.0			
	44.5	118	3.4	31.48	7.0	20.0	9.0	20.0			
	50.5	104	3.8	27.72	7.0	20.0	9.0	20.0			
	57.0	92	4.3	24.55	7.0	20.0	9.0	20.0			
	66.9	79	4.6	20.93	7.0	20.0	9.0	20.0			
	80.1	66	4.6	17.49	7.0	19.0	9.0	19.0			
	91.7	57	4.7	15.27	7.0	18.0	9.0	18.0			
	114.1	46	4.2	12.27	7.0	17.0	9.0	17.0			
	128.9	41	4.4	10.86	7.0	16.0	9.0	16.0			
	151.1	35	4.6	9.26	7.0	16.0	9.0	16.0			
	173.1	30	4.7	8.09	7.0	15.0	9.0	15.0			
	22.0	240	1.9	63.96	7.9	12.0	-	-			
25.0	210	1.9	55.96	8.0	12.0	-	-				
27.0	197	2.9	52.42	8.0	12.0	-	-				
24.0	222	1.7	59.20	5.5	12.0	-	-	<b>PKD F 4290 - 80M/4A</b>	43	128-129	
27.0	194	1.8	51.80	5.7	12.0	-	-				
29.0	180	2.1	48.01	5.8	12.0	-	-				
33.0	158	2.2	42.01	5.9	12.0	-	-				
37.0	140	2.4	37.34	5.9	12.0	-	-				
28.0	186	0.9	49.69	3.8	9.0	-	-	<b>PKD C 1290 - 80M/4A</b>	26	126-127	
32.0	163	0.9	43.48	4.1	9.0	-	-				
36.0	145	1.3	38.59	4.2	9.0	-	-				
41.0	127	1.5	33.76	4.3	9.0	-	-				
45.0	117	1.6	31.27	4.4	9.0	-	-				
51.0	103	2.2	27.36	4.5	9.0	-	-				
58.0	91	2.3	24.32	4.5	9.0	-	-				
43.0	121	1.0	32.24	2.5	5.6	-	-	<b>PKD B 0290 - 80M/4A</b>	20	124-125	
50.0	106	1.1	28.21	2.7	5.6	-	-				
54.0	98	1.2	25.99	2.8	5.6	-	-				
62.0	85	1.4	22.74	3.0	5.6	-	-				
74.0	71	1.2	18.81	3.1	5.6	-	-				
90.0	59	2.0	15.62	3.2	5.6	-	-				
104.0	51	2.4	13.48	3.3	5.6	-	-				
119.0	44	2.6	11.79	3.3	5.6	-	-				
135.0	39	2.8	10.35	3.3	5.6	-	-				
155.0	34	3.1	9.06	3.3	5.6	-	-				
175.0	30	3.4	8.00	3.4	5.6	-	-				
199.0	26	3.6	7.05	3.4	5.6	-	-				
232.0	23	3.4	6.04	3.4	5.5	-	-				
262.0	20	3.5	5.34	3.4	5.3	-	-				
294.0	18	3.7	4.77	3.4	5.1	-	-				
341.0	15	4.0	4.11	3.4	4.7	-	-				



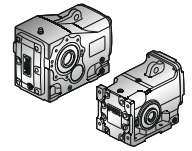
**0.55 kW**  
**0.75 kW**



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.55</b>	53.0	99	0.9	26.36	2.7	5.1	-	-	<b>PKD A 0290 - 80M/4A</b>	15	122-123
	60.0	87	1.0	23.28	2.8	5.1	-	-			
	69.0	76	1.2	20.35	2.9	5.1	-	-			
	80.0	66	0.9	17.58	3.0	5.1	-	-			
	103.0	51	1.5	13.57	3.1	5.1	-	-			
	127.0	41	2.2	11.05	3.2	5.1	-	-			
	145.0	36	2.5	9.67	3.2	5.1	-	-			
	156.0	34	2.7	8.99	3.2	5.1	-	-			
	178.0	29	3.1	7.86	3.2	5.1	-	-			
	217.0	24	2.8	6.45	3.2	4.9	-	-			
	242.0	22	3.4	5.78	3.1	4.7	-	-			
267.0	20	3.1	5.24	3.0	4.5	-	-				
363.0	14	3.5	3.85	2.8	4.0	-	-				
<b>0.75</b>	1.0	7414	1.1	1448.34	56.0	50.0	66.0	50.0	<b>PKD 7390/32 - 80M/4B</b>	369	158-159
	1.2	5767	1.5	1166.22	60.0	50.0	66.0	50.0			
	1.4	4670	1.8	972.42	62.0	50.0	66.0	50.0			
	1.8	3723	2.3	765.14	63.0	50.0	66.0	50.0			
	2.3	2889	2.9	596.10	64.0	50.0	66.0	50.0			
	1.0	7105	1.2	1388.82	57.0	50.0	66.0	50.0	<b>PKD 6390/32 - 80M/4B</b>	369	156-157
	1.3	5721	1.4	1118.29	60.0	50.0	66.0	50.0			
	1.5	4771	1.7	932.46	62.0	50.0	66.0	50.0			
	1.9	3754	2.2	733.69	63.0	50.0	66.0	50.0			
	2.4	2924	2.8	571.60	64.0	50.0	66.0	50.0			
	1.3	5433	0.9	1061.93	23.0	45.0	38.0	45.0	<b>PKD 5490 - 80M/4B</b>	213	154-155
	1.5	4763	1.0	931.06	28.0	45.0	38.0	45.0			
	2.0	3600	1.1	703.71	33.0	45.0	38.0	45.0			
	2.4	2970	1.6	580.56	35.0	45.0	38.0	45.0			
	3.0	2349	2.0	459.05	36.0	45.0	38.0	45.0			
	4.0	1785	2.7	348.85	37.0	45.0	38.0	45.0			
	5.3	1354	3.2	264.64	38.0	45.0	38.0	45.0			
	6.1	1172	3.1	228.99	38.0	45.0	38.0	45.0			
	2.2	3298	0.8	644.73	18.0	40.0	28.0	37.0	<b>PKD 4490 - 80M/4B</b>	133	150-151
	2.5	2905	1.0	567.85	21.0	40.0	28.0	37.0			
	4.0	1793	1.6	350.42	26.0	40.0	28.0	35.0			
	5.0	1427	2.0	278.98	27.0	40.0	28.0	33.0			
	6.9	1044	2.7	204.13	27.0	40.0	28.0	31.0			
	8.1	880	2.8	172.07	28.0	40.0	28.0	30.0			
	4.0	1806	0.9	353.00	1.0	15.0	14.0	20.0	<b>PKD 3490 - 80M/4B</b>	79	146-147
	4.7	1515	1.0	296.10	8.0	15.0	15.0	19.0	<b>PKD 3390 - 80M/4B</b>	73	144-145
	5.6	1279	1.2	250.01	11.0	15.0	15.0	19.0			
6.0	1198	1.3	234.13	11.0	15.0	15.0	19.0				
7.1	1011	1.5	197.69	13.0	15.0	15.0	18.0				
12.6	568	2.7	110.94	14.0	15.0	15.0	17.0				
14.9	479	2.8	93.67	15.0	15.0	15.0	16.0				
16.6	431	3.1	84.16	15.0	15.0	15.0	16.0				



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	<b>kg</b>	Sayfa Page mm 	
<b>0.75</b>	6.4	1122	0.8	219.34	0.2	12.0	4.0	18.0	<b>PKD 2390 - 80M/4B</b>	51	140-141	
	7.6	944	0.9	184.51	0.4	12.0	8.0	18.0				
	8.2	869	1.0	169.88	0.4	12.0	9.0	18.0				
	10.2	704	1.2	137.63	5.0	12.0	10.0	17.0				
	12.1	592	1.5	115.77	7.0	12.0	11.0	17.0				
	14.2	506	1.7	98.92	8.0	12.0	12.0	16.0				
	16.4	436	2.0	85.23	8.0	12.0	12.0	16.0				
	17.8	403	2.1	78.85	8.0	12.0	12.0	16.0				
	21.1	340	2.5	66.47	9.0	12.0	12.0	15.0				
	24.0	298	2.9	58.24	9.0	12.0	12.0	15.0				
	26.9	267	3.2	52.11	9.0	12.0	12.0	14.0				
	28.6	251	3.1	48.99	9.0	12.0	12.0	14.0				
	31.2	229	3.3	44.80	9.0	12.0	12.0	14.0				
	35.3	203	3.4	39.70	9.0	12.0	12.0	13.0				
		9.3	767	0.8	149.85	5.0	20.0	9.0				20.0
		9.8	729	0.8	142.45	6.0	20.0	9.0	20.0			
		12.0	596	1.0	116.55	7.0	20.0	9.0	20.0			
		15.2	470	1.1	91.88	8.0	20.0	9.0	20.0			
		17.2	416	1.4	81.40	9.0	20.0	9.0	20.0			
		19.5	368	1.6	71.94	9.0	20.0	9.0	20.0			
		21.9	328	1.9	64.06	9.0	20.0	9.0	20.0			
		26.7	268	2.3	52.42	9.0	20.0	9.0	20.0			
		30.3	236	2.6	46.16	9.0	20.0	9.0	20.0			
		34.3	209	2.9	40.87	9.0	20.0	9.0	20.0			
		14.4	498	0.8	97.43	3.0	20.0	8.0	20.0	<b>PKD 1390 - 80M/4B</b>	43	132-133
		16.3	441	0.9	86.12	4.0	20.0	8.0	20.0			
		18.3	392	1.0	76.68	5.0	20.0	9.0	20.0			
		22.3	321	1.2	62.74	6.0	20.0	9.0	20.0			
		25.3	283	1.4	55.26	6.0	20.0	9.0	20.0			
		28.6	250	1.6	48.92	7.0	20.0	9.0	20.0			
		33.6	213	1.9	41.72	7.0	20.0	9.0	20.0			
		40.2	178	2.2	34.86	7.0	20.0	9.0	20.0			
		44.5	161	2.5	31.48	7.0	20.0	9.0	20.0			
		50.5	142	2.8	27.72	7.0	20.0	9.0	20.0			
		57.0	126	3.2	24.55	7.0	20.0	9.0	20.0			
	66.9	107	3.3	20.93	7.0	19.0	9.0	19.0				
	80.1	89	3.3	17.49	7.0	18.0	9.0	18.0				
	91.7	78	3.5	15.27	7.0	18.0	9.0	18.0				
	114.1	63	3.1	12.27	7.0	17.0	9.0	17.0				
	128.9	56	3.2	10.86	7.0	16.0	9.0	16.0				
	151.1	47	3.3	9.26	7.0	15.0	9.0	15.0				
	173.1	41	3.5	8.09	7.0	15.0	9.0	15.0				
	22.0	327	1.4	63.96	7.5	12.0	-	-	<b>PKD H 5290 - 80M/4B</b>	51	130-131	
	25.0	286	1.4	55.96	7.7	12.0	-	-				
	27.0	268	2.1	52.42	7.8	12.0	-	-				
	31.0	235	2.2	45.86	7.9	12.0	-	-				
	34.0	209	2.2	40.77	8.0	12.0	-	-				
	24.0	303	1.2	59.20	4.9	12.0	-	-	<b>PKD F 4290 - 80M/4B</b>	44	128-129	
	27.0	265	1.3	51.80	5.3	12.0	-	-				
	29.0	246	1.5	48.01	5.4	12.0	-	-				
	33.0	215	1.6	42.01	5.6	12.0	-	-				
	37.0	191	1.7	37.34	5.7	12.0	-	-				
	87.0	82	3.2	16.08	6.1	12.0	-	-				

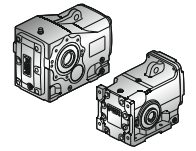


$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.75</b>	36.0	197	1.0	38.59	3.7	9.0	-	-	<b>PKD C 1290 - 80M/4B</b>	27	126-127
	41.0	173	1.1	33.76	4.0	9.0	-	-			
	45.0	160	1.2	31.27	4.1	9.0	-	-			
	51.0	140	1.6	27.36	4.2	9.0	-	-			
	58.0	124	1.7	24.32	4.4	9.0	-	-			
	96.0	75	2.5	14.66	4.6	9.0	-	-			
	108.0	67	2.7	12.99	4.6	9.0	-	-			
	123.0	58	2.7	11.37	4.7	9.0	-	-			
	129.0	55	2.9	10.81	4.7	9.0	-	-			
	50.0	144	0.8	28.21	2.0	5.6	-	-			
	54.0	133	0.9	25.99	2.2	5.6	-	-			
	62.0	116	1.0	22.74	2.5	5.6	-	-			
	74.0	96	0.9	18.81	2.9	5.6	-	-			
	90.0	80	1.5	15.62	3.0	5.6	-	-			
	104.0	69	1.7	13.48	3.1	5.6	-	-			
	119.0	60	1.9	11.79	3.2	5.6	-	-			
	135.0	53	2.1	10.35	3.3	5.6	-	-			
	155.0	46	2.3	9.06	3.3	5.6	-	-			
	175.0	41	2.4	8.00	3.3	5.6	-	-			
	199.0	36	2.6	7.05	3.3	5.6	-	-	<b>PKD A 0290 - 80M/4B</b>	16	122-123
	232.0	31	2.5	6.04	3.4	5.4	-	-			
	262.0	27	2.7	5.34	3.4	5.2	-	-			
	294.0	24	2.7	4.77	3.4	5.0	-	-			
	341.0	21	2.8	4.11	3.3	4.7	-	-			
	69.0	104	0.9	20.35	2.6	5.1	-	-			
	103.0	69	1.1	13.57	3.0	5.1	-	-			
	127.0	57	1.6	11.05	3.1	5.1	-	-			
	145.0	49	1.8	9.67	3.1	5.1	-	-			
	156.0	46	2.0	8.99	3.2	5.1	-	-			
	178.0	40	2.2	7.86	3.2	5.1	-	-			
217.0	33	2.0	6.45	3.1	4.8	-	-				
242.0	30	2.5	5.78	3.0	4.6	-	-				
267.0	27	2.3	5.24	3.0	4.4	-	-				
363.0	20	2.5	3.85	2.7	3.9	-	-				
<b>1.10</b>	1.0	10614	3.0	1424.59	155.0	70.0	160.0	70.0	<b>PKD 9390/52 - 90S/4A</b>	1495	164-165
	1.0	10902	1.8	1463.24	116.0	65.0	120.0	65.0	<b>PKD G 8390/52 - 90S/4A</b>	919	162-163
	1.2	8968	2.2	1203.73	118.0	65.0	120.0	65.0			
	1.5	6778	3.0	909.80	120.0	65.0	120.0	65.0			
	1.0	10933	1.2	1467.49	87.0	60.0	95.0	60.0	<b>PKD 8390/42 - 90S/4A</b>	650	160-161
	1.4	7584	1.7	1017.96	93.0	60.0	95.0	60.0			
	1.7	6299	2.1	845.40	94.0	60.0	95.0	60.0			
	2.0	5253	2.5	705.03	95.0	60.0	95.0	60.0			
	2.3	4492	2.9	602.92	95.0	60.0	95.0	60.0			
	1.0	10791	0.8	1448.34	40.0	50.0	66.0	50.0	<b>PKD 7390/32 - 90S/4A</b>	371	158-159
	1.2	8689	1.0	1166.22	51.0	50.0	66.0	50.0			
	1.4	7245	1.2	972.42	56.0	50.0	66.0	50.0			
	1.8	5701	1.5	765.14	60.0	50.0	66.0	50.0			
	2.4	4441	1.9	596.10	62.0	50.0	66.0	50.0			
	3.0	3508	2.4	470.91	64.0	50.0	66.0	50.0			
3.7	2866	3.0	384.74	64.0	50.0	66.0	50.0				
4.5	2310	3.7	310.09	65.0	50.0	66.0	50.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>1.10</b>	1.0	10347	0.8	1388.82	43.0	50.0	66.0	50.0	<b>PKD 6390/32 - 90S/4A</b>	371	156-157
	1.3	8332	1.0	1118.29	53.0	50.0	66.0	50.0			
	1.5	6947	1.2	932.46	57.0	50.0	66.0	50.0			
	1.9	5466	1.5	733.69	61.0	50.0	66.0	50.0			
	2.5	4259	1.9	571.60	62.0	50.0	66.0	50.0			
	3.1	3364	2.4	451.55	64.0	50.0	66.0	50.0			
	3.8	2749	3.0	368.93	64.0	50.0	66.0	50.0			
	4.7	2215	3.7	297.35	65.0	50.0	66.0	50.0			
	2.0	5243	0.8	703.71	25.0	45.0	38.0	45.0	<b>PKD 5490 - 90S/4A</b>	215	154-155
	2.4	4325	1.1	580.56	30.0	45.0	38.0	45.0			
	3.1	3420	1.4	459.05	33.0	45.0	38.0	45.0			
	4.0	2599	1.8	348.85	36.0	45.0	38.0	45.0			
	5.3	1972	2.4	264.64	37.0	45.0	38.0	45.0			
	6.2	1706	2.8	228.99	38.0	45.0	38.0	45.0			
	4.9	2158	2.2	289.62	37.0	45.0	38.0	45.0	<b>PKD 5390 - 90S/4A</b>	199	152-153
	5.7	1843	2.6	247.36	37.0	45.0	38.0	45.0			
	3.5	3014	0.9	404.53	20.0	40.0	28.0	31.0	<b>PKD 4490 - 90S/4A</b>	135	150-151
	4.0	2611	1.1	350.42	23.0	40.0	28.0	31.0			
	4.3	2455	1.1	329.57	23.0	40.0	28.0	31.0	<b>PKD 4390 - 90S/4A</b>	124	148-149
	5.1	2040	1.4	273.80	25.0	40.0	28.0	30.0			
	6.0	1750	1.6	234.83	26.0	40.0	28.0	30.0			
	7.2	1453	1.9	195.09	27.0	40.0	28.0	29.0			
	8.5	1232	1.2	165.34	27.0	40.0	28.0	28.0			
	12.0	878	2.7	117.81	28.0	40.0	28.0	26.0			
	5.3	1995	0.8	267.79	1.0	15.0	12.0	17.0	<b>PKD 3490 - 90S/4A</b>	81	146-147
	5.6	1863	0.8	250.01	1.0	15.0	14.0	16.0	<b>PKD 3390 - 90S/4A</b>	75	144-145
	6.0	1744	0.9	234.13	4.0	15.0	15.0	16.0			
	7.1	1473	1.1	197.69	9.0	15.0	15.0	16.0			
	7.5	1402	1.1	188.22	9.0	15.0	15.0	16.0			
	8.9	1184	1.3	158.92	11.0	15.0	15.0	16.0			
	10.1	1089	1.5	139.49	12.0	15.0	15.0	16.0			
	12.0	877	1.8	117.78	13.0	15.0	15.0	15.0			
	12.7	827	1.9	110.94	14.0	15.0	15.0	15.0			
	15.1	698	2.2	93.67	14.0	15.0	15.0	15.0			
	16.8	627	2.5	84.16	14.0	15.0	15.0	15.0			
	18.6	566	2.7	75.92	13.0	15.0	15.0	15.0			
	22.0	478	3.2	64.11	13.0	15.0	15.0	14.0			
	23.8	441	3.5	59.15	13.0	15.0	15.0	14.0			
	14.3	737	1.2	98.92	5.0	12.0	10.0	15.0	<b>PKD 2390 - 90S/4A</b>	53	140-141
	17.9	587	1.5	78.85	7.0	12.0	11.0	15.0			
	21.2	495	1.7	66.47	8.0	12.0	12.0	14.0			
	24.2	434	2.0	58.24	8.0	12.0	12.0	14.0			
	27.1	388	2.2	52.11	8.0	12.0	12.0	14.0			
	28.8	365	2.4	48.99	9.0	12.0	12.0	13.0			
	31.5	334	2.6	44.80	9.0	12.0	12.0	13.0			
	35.5	296	2.9	39.70	9.0	12.0	12.0	13.0			
	42.4	248	2.8	33.28	9.0	12.0	12.0	12.0			
44.9	234	3.5	31.43	9.0	12.0	12.0	12.0				
48.3	218	3.2	29.22	9.0	12.0	12.0	12.0				
17.3	606	1.0	81.40	7.0	20.0	9.0	20.0	<b>PKD G 1390 - 90S/4A</b>	46	136-137	
19.6	536	1.1	71.94	8.0	20.0	9.0	20.0				
22.0	477	1.3	64.06	8.0	20.0	9.0	20.0				
26.9	391	1.6	52.42	9.0	20.0	9.0	20.0				
30.5	344	1.8	46.16	9.0	20.0	9.0	20.0				
34.5	305	2.0	40.87	9.0	20.0	9.0	20.0				
40.4	260	2.3	34.86	9.0	20.0	9.0	20.0				
46.3	227	2.6	30.44	9.0	20.0	9.0	20.0				

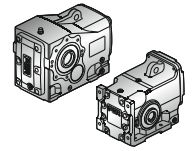
# 1.10 kW



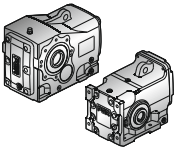
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>1.10</b>	22.5	467	0.9	62.74	4.0	20.0	8.0	20.0	<b>PKD 1390 - 90S/4A</b>	45	132-133
	25.5	412	1.0	55.26	5.0	20.0	9.0	20.0			
	28.8	365	1.1	48.92	5.0	20.0	9.0	20.0			
	33.8	311	1.3	41.72	6.0	20.0	9.0	20.0			
	40.4	260	1.5	34.86	6.0	20.0	9.0	20.0			
	44.8	235	1.7	31.48	7.0	20.0	9.0	20.0			
	50.9	207	1.9	27.72	7.0	20.0	9.0	20.0			
	57.4	183	2.2	24.55	7.0	19.0	9.0	19.0			
	67.4	156	2.6	20.93	7.0	19.0	9.0	19.0			
	80.6	130	2.9	17.49	7.0	18.0	9.0	18.0			
	92.3	114	3.3	15.27	7.0	17.0	9.0	17.0			
	114.9	91	2.4	12.27	7.0	16.0	9.0	16.0			
	129.8	81	2.5	10.86	7.0	16.0	9.0	16.0			
	152.2	69	2.8	9.26	7.0	15.0	9.0	15.0			
	174.3	60	3.0	8.09	7.0	15.0	9.0	15.0			
	27.0	391	1.5	52.42	7.2	12.0	-	-	<b>PKD H 5290 - 90S/4A</b>	54	130-131
	31.0	342	1.5	45.86	7.4	12.0	-	-			
	35.0	304	1.5	40.77	7.6	12.0	-	-			
	39.0	273	2.4	36.59	7.8	12.0	-	-			
	44.0	239	2.6	32.02	7.9	12.0	-	-			
	50.0	212	2.8	28.46	8.0	12.0	-	-			
	79.0	133	3.2	17.84	8.2	12.0	-	-			
	29.0	358	1.0	48.01	4.3	12.0	-	-	<b>PKD F 4290 - 90S/4A</b>	47	128-129
	34.0	313	1.1	42.01	4.8	12.0	-	-			
	38.0	278	1.2	37.34	5.1	12.0	-	-			
	41.0	254	1.5	34.15	5.3	12.0	-	-			
	47.0	223	1.5	29.88	5.5	12.0	-	-			
	53.0	198	1.7	26.56	5.7	12.0	-	-			
	88.0	120	3.1	16.08	6.0	12.0	-	-			
100.0	105	3.2	14.07	6.1	12.0	-	-				
	45.0	233	0.8	31.27	3.2	9.0	-	-	<b>PKD C 1290 - 90S/4</b>	30	126-127
	52.0	204	1.1	27.36	3.6	9.0	-	-			
	58.0	181	1.2	24.32	3.9	9.0	-	-			
	64.0	163	1.2	21.94	4.1	9.0	-	-			
	73.0	143	1.6	19.19	4.2	9.0	-	-			
	83.0	127	1.8	17.06	4.3	9.0	-	-			
	96.0	109	1.7	14.66	4.4	9.0	-	-			
	109.0	97	2.0	12.99	4.5	9.0	-	-			
	124.0	85	2.3	11.37	4.6	9.0	-	-			
	130.0	81	2.2	10.81	4.6	9.0	-	-			
	149.0	71	2.5	9.47	4.6	9.0	-	-			
	170.0	62	2.8	8.29	4.7	9.0	-	-			
	193.0	54	3.0	7.29	4.7	8.6	-	-			
217.0	48	3.1	6.48	4.7	8.3	-	-				
	136.0	77	1.4	10.35	3.1	5.6	-	-	<b>PKD B 0290 - 90S/4</b>	24	124-125
	156.0	67	1.6	9.06	3.2	5.6	-	-			
	176.0	60	1.7	8.00	3.2	5.6	-	-			
	200.0	53	1.8	7.05	3.3	5.5	-	-			
	234.0	45	2.0	6.04	3.3	5.2	-	-			
	264.0	40	2.1	5.34	3.3	5.0	-	-			
	296.0	36	2.3	4.77	3.3	4.8	-	-			
	343.0	31	2.4	4.11	3.2	4.5	-	-			
	244.0	43	1.9	5.78	2.9	4.3	-	-	<b>PKD A 0290 - 90S/4</b>	19	122-123
	366.0	29	2.5	3.85	2.6	3.8	-	-			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>1.50</b>	1.0 1.3	14371 11292	2.2 2.8	1424.59 1119.32	152.0 154.0	70.0 70.0	160.0 160.0	70.0 70.0	<b>PKD 9390/52 - 90L/4A</b>	1497	164-165
	1.0 1.2 1.6 2.0	14761 12143 9178 7211	1.4 1.6 2.2 2.8	1463.24 1203.73 909.80 714.84	109.0 114.0 117.0 120.0	65.0 65.0 65.0 65.0	120.0 120.0 120.0 120.0	65.0 65.0 65.0 65.0	<b>PKD G 8390/52 -90L/4A</b>	921	162-163
	1.0 1.4 1.7 2.0 2.4 3.2 3.7	14804 10269 8528 7112 6082 4483 3833	0.9 1.3 1.5 1.8 2.1 2.9 3.1	1467.49 1017.96 845.40 705.03 602.92 444.35 379.99	78.0 89.0 91.0 93.0 94.0 95.0 95.0	60.0 60.0 60.0 60.0 60.0 60.0 60.0	95.0 95.0 95.0 95.0 95.0 95.0 95.0	60.0 60.0 60.0 60.0 60.0 60.0 60.0	<b>PKD 8390/42 - 90L/4A</b>	652	160-161
	1.5 1.9 2.4 3.0 3.7 4.6	9810 7719 6013 4751 3881 3128	0.9 1.1 1.4 1.8 2.2 2.7	972.42 765.14 596.10 470.91 384.74 310.09	45.0 54.0 59.0 62.0 63.0 64.0	50.0 50.0 50.0 50.0 50.0 50.0	66.0 66.0 66.0 66.0 66.0 66.0	50.0 50.0 50.0 50.0 50.0 50.0	<b>PKD 7390/32 - 90L/4A</b>	373	158-159
	5.3	2718	3.1	269.43	65.0	50.0	66.0	50.0	<b>PKD 7390/42 - 90L/4A</b>	392	158-159
	1.5 1.9 2.5 3.1 3.8 4.8	9407 7401 5766 4555 3722 3000	0.9 1.1 1.4 1.8 2.2 2.7	932.46 733.69 571.60 451.55 368.93 297.35	48.0 55.0 60.0 62.0 63.0 64.0	50.0 50.0 50.0 50.0 50.0 50.0	66.0 66.0 66.0 66.0 66.0 66.0	50.0 50.0 50.0 50.0 50.0 50.0	<b>PKD 6390/32 - 90L/4A</b>	373	156-157
	5.5	2606	3.1	258.36	64.0	50.0	66.0	50.0	<b>PKD 6390/42 - 90L/4A</b>	392	156-157
	6.0	2375	3.5	235.45	63.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/6A</b>	352	156-157
	3.1 4.1 5.4 6.2 8.6	4631 3519 2670 2310 1665	1.0 1.4 1.8 2.1 2.4	459.05 348.85 264.64 228.99 165.02	28.0 33.0 36.0 36.0 38.0	45.0 45.0 45.0 45.0 45.0	38.0 38.0 38.0 38.0 38.0	45.0 45.0 45.0 45.0 44.0	<b>PKD 5490 - 90L/4A</b>	217	154-155
	4.9 5.7 9.8	2922 2495 1466	1.6 1.9 2.5	289.62 247.36 145.30	35.0 36.0 38.0	45.0 45.0 45.0	38.0 38.0 38.0	45.0 45.0 43.0	<b>PKD 5390 - 90L/4A</b>	201	152-153
	4.1	3535	0.8	350.42	16.0	40.0	28.0	28.0	<b>PKD 4490 - 90L/4A</b>	137	150-151
	4.3 5.2 6.0 7.3 8.6 12.1 14.9 16.4	3325 2762 2369 1968 1668 1188 964 873	0.8 1.0 1.2 1.4 0.9 2.0 2.6 2.7	329.57 273.80 234.83 195.09 165.34 117.81 95.57 86.50	18.0 22.0 23.0 25.0 26.0 27.0 28.0 28.0	40.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0	28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0	28.0 28.0 28.0 27.0 27.0 25.0 24.0 24.0	<b>PKD 4390 - 90L/4A</b>	126	148-149



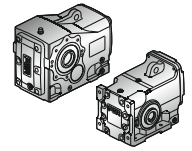
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>1.50</b>	7.2	1994	0.8	197.69	1.0	15.0	12.0	14.0	<b>PKD 3390 - 90L/4A</b>	77	144-145
	7.5	1899	0.8	188.22	1.0	15.0	13.0	14.0			
	8.9	1603	1.0	158.92	7.0	15.0	15.0	14.0			
	10.2	1407	1.1	139.49	9.0	15.0	15.0	14.0			
	12.1	1188	1.3	117.78	11.0	15.0	15.0	14.0			
	12.8	1119	1.4	110.94	12.0	15.0	15.0	14.0			
	15.2	945	1.6	93.67	13.0	15.0	15.0	14.0			
	16.9	849	1.8	84.16	12.0	15.0	15.0	14.0			
	18.7	766	2.0	75.92	12.0	15.0	15.0	14.0			
	22.2	647	2.4	64.11	12.0	15.0	15.0	13.0			
	24.0	597	2.6	59.15	12.0	15.0	15.0	13.0			
	28.4	504	2.7	49.94	11.0	15.0	15.0	13.0			
	29.8	481	3.0	47.67	11.0	15.0	15.0	13.0			
	35.2	407	3.0	40.37	11.0	15.0	15.0	12.0			
	14.4	998	0.9	98.92	0.3	12.0	7.0	13.0	<b>PKD 2390 - 90L/4A</b>	55	140-141
	18.0	795	1.1	78.85	4.0	12.0	10.0	13.0			
	21.4	671	1.3	66.47	6.0	12.0	11.0	13.0			
	24.4	588	1.5	58.24	7.0	12.0	11.0	13.0			
	27.3	526	1.6	52.11	8.0	12.0	12.0	13.0			
	29.0	494	1.7	48.99	8.0	12.0	12.0	13.0			
	31.7	452	1.9	44.80	8.0	12.0	12.0	13.0			
	35.8	400	2.1	39.70	8.0	12.0	12.0	12.0			
	42.7	336	2.1	33.28	9.0	12.0	12.0	12.0			
	45.2	317	2.6	31.43	9.0	12.0	12.0	12.0			
	48.6	295	2.4	29.22	9.0	12.0	12.0	12.0			
	54.3	264	2.5	26.14	9.0	12.0	12.0	11.0			
	57.8	248	2.4	24.58	9.0	12.0	12.0	11.0			
	63.2	227	2.6	22.48	9.0	12.0	12.0	11.0			
71.3	201	2.7	19.92	9.0	12.0	12.0	11.0				
	19.7	726	0.8	71.94	5.0	20.0	9.0	20.0	<b>PKD G 1390 - 90L/4A</b>	48	136-137
	22.2	646	0.9	64.06	7.0	20.0	9.0	20.0			
	27.1	529	1.2	52.42	8.0	20.0	9.0	20.0			
	30.8	466	1.3	46.16	8.0	20.0	9.0	20.0			
	34.7	412	1.5	40.87	9.0	20.0	9.0	20.0			
	40.7	352	1.7	34.86	9.0	20.0	9.0	20.0			
	46.7	307	2.0	30.44	9.0	19.0	9.0	19.0			
	54.0	265	2.3	26.30	9.0	19.0	9.0	19.0			
	61.3	234	2.2	23.16	9.0	19.0	9.0	19.0			
	69.2	207	2.5	20.51	9.0	18.0	9.0	18.0			
	29.0	494	0.8	48.92	3.0	20.0	8.0	20.0	<b>PKD 1390 -90L/4A</b>	47	132-133
	34.0	421	1.0	41.72	5.0	20.0	8.0	20.0			
	40.7	352	1.1	34.86	6.0	20.0	9.0	20.0			
	45.1	318	1.3	31.48	6.0	20.0	9.0	20.0			
	51.2	280	1.4	27.72	6.0	19.0	9.0	19.0			
	57.9	248	1.6	24.55	7.0	19.0	9.0	19.0			
	67.8	211	1.9	20.93	7.0	18.0	9.0	18.0			
	81.2	176	2.2	17.49	7.0	17.0	9.0	17.0			
	93.0	154	2.5	15.27	7.0	17.0	9.0	17.0			
	115.8	124	1.8	12.27	7.0	16.0	9.0	16.0			
	130.7	110	1.8	10.86	7.0	15.0	9.0	15.0			
	153.3	93	2.1	9.26	7.0	15.0	9.0	15.0			
	175.6	82	2.2	8.09	7.0	14.0	9.0	14.0			
	27.0	529	1.1	52.42	6.2	12.0	-	-	<b>PKD H 5290 -90L/4A</b>	56	130-131
	31.0	463	1.1	45.86	6.6	12.0	-	-			
	35.0	411	1.1	40.77	7.0	12.0	-	-			
	39.0	369	1.8	36.59	7.3	12.0	-	-			
	44.0	323	2.0	32.02	7.6	12.0	-	-			
	50.0	287	2.1	28.46	7.7	12.0	-	-			
80.0	180	2.3	17.84	8.1	12.0	-	-				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔			
<b>1.50</b>	30.0	484	0.8	48.01	0.9	12.0	-	-	<b>PKD F 4290 - 90L/4A</b>	49	128-129			
	34.0	424	0.8	42.01	3.1	12.0	-	-						
	38.0	377	0.9	37.34	3.9	12.0	-	-						
	42.0	345	1.1	34.15	4.4	12.0	-	-						
	48.0	301	1.1	29.88	4.9	12.0	-	-						
	53.0	268	1.2	26.56	5.2	12.0	-	-						
	88.0	162	2.3	16.08	5.9	12.0	-	-						
	101.0	142	2.4	14.07	5.9	12.0	-	-						
	112.0	127	2.4	12.63	6.0	12.0	-	-						
	129.0	111	2.6	10.98	6.0	12.0	-	-						
	145.0	98	2.6	9.76	6.1	12.0	-	-						
	164.0	87	2.6	8.67	6.1	12.0	-	-						
	52.0	276	0.8	27.36	2.2	9.0	-	-				<b>PKD C 1290 - 90L/4A</b>	32	126-127
	58.0	245	0.9	24.32	2.9	9.0	-	-						
	65.0	221	0.9	21.94	3.4	9.0	-	-						
	74.0	194	1.2	19.19	3.7	9.0	-	-						
	83.0	172	1.3	17.06	4.0	9.0	-	-						
	97.0	148	1.3	14.66	4.2	9.0	-	-						
	109.0	131	1.5	12.99	4.3	9.0	-	-						
	125.0	115	1.7	11.37	4.4	9.0	-	-						
	131.0	109	1.7	10.81	4.4	9.0	-	-						
	150.0	96	1.8	9.47	4.5	9.0	-	-						
	171.0	84	2.1	8.29	4.6	8.8	-	-						
	195.0	74	2.2	7.29	4.6	8.4	-	-						
	219.0	65	2.3	6.48	4.6	8.1	-	-						
	238.0	60	2.4	5.97	4.7	7.8	-	-						
	267.0	54	2.4	5.31	4.7	7.5	-	-						
	137.0	104	1.1	10.35	2.7	5.6	-	-	<b>PKD B 0290 - 90L/4A</b>	26	124-125			
	157.0	91	1.1	9.06	2.9	5.6	-	-						
	177.0	81	1.2	8.00	3.0	5.4	-	-						
201.0	71	1.3	7.05	3.1	5.2	-	-							
235.0	61	1.5	6.04	3.2	5.0	-	-							
266.0	54	1.6	5.34	3.2	4.7	-	-							
298.0	48	1.7	4.77	3.2	4.6	-	-							
345.0	41	1.8	4.11	3.1	4.3	-	-							
<b>2.20</b>	1.1	19753	2.5	1353.86	220.0	100.0	-	-				<b>PKD G 9390/62 - 100L/4A</b>	1898	166-167
	1.2	17001	2.9	1165.22	220.0	100.0	-	-						
	1.0	21227	1.5	1424.59	144.0	70.0	160.0	70.0	<b>PKD 9390/52 - 100L/4A</b>	1505	164-165			
	1.3	16679	1.9	1119.32	150.0	70.0	160.0	70.0						
	1.7	12606	2.5	846.00	154.0	70.0	160.0	70.0						
	2.0	10528	3.0	706.54	155.0	70.0	160.0	70.0						
	1.0	21803	0.9	1463.24	92.0	65.0	120.0	65.0	<b>PKD G 8390/52 -100L/4A</b>	928	162-163			
	1.2	17936	1.1	1203.73	103.0	65.0	120.0	65.0						
	1.5	13557	1.5	909.80	112.0	65.0	120.0	65.0						
	2.0	10652	1.9	714.84	116.0	65.0	120.0	65.0						
	2.3	9293	2.2	623.65	118.0	65.0	120.0	65.0						
	1.4	15168	0.9	1017.96	78.0	60.0	95.0	60.0				<b>PKD 8390/42 - 100L/4A</b>	660	160-161
	1.7	12597	1.0	845.40	85.0	60.0	95.0	60.0						
	2.0	10505	1.2	705.03	88.0	60.0	95.0	60.0						
	2.3	8984	1.4	602.92	91.0	60.0	95.0	60.0						
	3.2	6621	2.0	444.35	94.0	60.0	95.0	60.0						
	3.7	5662	2.3	379.99	95.0	60.0	95.0	60.0						
	4.9	4262	3.1	286.02	95.0	60.0	95.0	60.0						
	1.8	11401	0.7	765.14	38.0	50.0	66.0	50.0	<b>PKD 7390/32 - 100L/4A</b>	382	158-159			
	2.4	8882	1.0	596.10	51.0	50.0	66.0	50.0						
	3.0	7017	1.2	470.91	57.0	50.0	66.0	50.0						
3.7	5733	1.0	384.74	60.0	50.0	66.0	50.0							
4.5	4621	1.8	310.09	62.0	50.0	66.0	50.0							
5.2	4015	2.1	269.43	64.0	50.0	66.0	50.0	<b>PKD 7390/42 - 100L/4A</b>	400	158-159				
7.2	2925	2.0	196.30	64.0	50.0	66.0	50.0							
9.0	2340	2.7	157.05	65.0	50.0	66.0	49.0							



# 2.20 kW

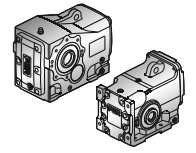


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm																																																																																																																																																																																																																																																																																																																																																										
<b>2.20</b>	5.7	3659	2.3	245.55	64.0	50.0	66.0	50.0	<b>PKD 7390 - 100L/4A</b>	352	158-159																																																																																																																																																																																																																																																																																																																																																										
	6.8	3084	2.8	206.98	64.0	50.0	66.0	50.0																																																																																																																																																																																																																																																																																																																																																													
	10.3	2036	3.3	136.65	65.0	50.0	66.0	50.0				1.9	10933	0.8	733.69	43.0	50.0	66.0	50.0	<b>PKD 6390/32 - 100L/4A</b>	382	156-157	2.5	8517	1.0	571.60	52.0	50.0	66.0	50.0	3.1	6728	1.2	451.55	58.0	50.0	66.0	50.0	3.8	5497	1.5	368.93	60.0	50.0	66.0	50.0	4.7	4431	1.9	297.35	62.0	50.0	66.0	50.0	5.5	3850	2.1	258.36	63.0	50.0	66.0	50.0	<b>PKD 6390/42 - 100L/4A</b>	400	156-157	7.5	2805	2.6	188.23	64.0	50.0	66.0	50.0	9.4	2244	2.8	150.60	65.0	50.0	66.0	50.0	7.1	2954	2.8	198.23	64.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/4A</b>	352	156-157	10.9	1928	3.4	129.36	65.0	50.0	66.0	50.0	4.0	5198	0.9	348.85	26.0	45.0	38.0	45.0	<b>PKD 5490 - 100L/4A</b>	226	154-155	4.9	4316	1.1	289.62	31.0	45.0	38.0	45.0	<b>PKD 5390 - 100L/4A</b>	209	152-153	5.7	3686	1.3	247.36	33.0	45.0	38.0	45.0	7.1	2956	1.6	198.37	35.0	45.0	38.0	44.0	8.3	2525	1.9	169.43	36.0	45.0	38.0	42.0	9.7	2165	1.7	145.30	37.0	45.0	38.0	41.0	11.7	1788	2.7	120.01	37.0	45.0	38.0	39.0	13.8	1527	2.6	102.50	38.0	45.0	38.0	38.0	6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0	8.8	2383	1.2	159.93	24.0	40.0	28.0	24.0	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0	12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0	14.8	1424	2.0	95.57	27.0	40.0	28.0	23.0	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0	18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0	20.6	1021	2.7	68.52	28.0	40.0	28.0	21.0	22.3	942	2.7	63.21	28.0	40.0	28.0	21.0	25.3	830	3.1	55.67	28.0	40.0	28.0	21.0	12.7	1653	0.9	110.94	7.0	15.0	15.0	12.0	<b>PKD 3390 - 100L/4A</b>	86	144-145	15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0	16.8	1254	1.2	84.16	11.0	15.0	15.0	12.0	18.6	1131	1.4	75.92	11.0	15.0	15.0	12.0	22.0	955	1.6	64.11	11.0	15.0	15.0	12.0	23.8	881	1.8	59.15	11.0	15.0	15.0	12.0	28.2	744	2.1	49.94	10.0	15.0	15.0	12.0	29.6	710	2.2	47.67	10.0	15.0	15.0	12.0	34.9	601	2.6	40.37	10.0	15.0	15.0	11.0	37.0	568	2.2	38.09	10.0	15.0	15.0	11.0	39.5	531	2.2	35.65	10.0	15.0	15.0	11.0	47.5	442	2.6	29.67	10.0
	1.9	10933	0.8	733.69	43.0	50.0	66.0	50.0	<b>PKD 6390/32 - 100L/4A</b>	382	156-157																																																																																																																																																																																																																																																																																																																																																										
	2.5	8517	1.0	571.60	52.0	50.0	66.0	50.0																																																																																																																																																																																																																																																																																																																																																													
	3.1	6728	1.2	451.55	58.0	50.0	66.0	50.0																																																																																																																																																																																																																																																																																																																																																													
	3.8	5497	1.5	368.93	60.0	50.0	66.0	50.0																																																																																																																																																																																																																																																																																																																																																													
	4.7	4431	1.9	297.35	62.0	50.0	66.0	50.0				5.5	3850	2.1	258.36	63.0	50.0	66.0	50.0	<b>PKD 6390/42 - 100L/4A</b>	400	156-157	7.5	2805	2.6	188.23	64.0	50.0	66.0	50.0	9.4	2244	2.8	150.60	65.0	50.0	66.0	50.0	7.1	2954	2.8	198.23	64.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/4A</b>	352	156-157	10.9	1928	3.4	129.36	65.0	50.0	66.0	50.0	4.0	5198	0.9	348.85	26.0	45.0	38.0	45.0	<b>PKD 5490 - 100L/4A</b>	226	154-155	4.9	4316	1.1	289.62	31.0	45.0	38.0	45.0	<b>PKD 5390 - 100L/4A</b>	209	152-153	5.7	3686	1.3	247.36	33.0	45.0	38.0	45.0	7.1	2956	1.6	198.37	35.0	45.0	38.0	44.0	8.3	2525	1.9	169.43	36.0	45.0	38.0	42.0	9.7	2165	1.7	145.30	37.0	45.0	38.0	41.0	11.7	1788	2.7	120.01	37.0	45.0	38.0	39.0				13.8	1527	2.6	102.50	38.0	45.0	38.0	38.0	6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0	8.8	2383	1.2	159.93	24.0	40.0	28.0	24.0	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0	12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0	14.8	1424	2.0	95.57	27.0				40.0	28.0	23.0	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0	18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0	20.6	1021	2.7	68.52	28.0	40.0	28.0	21.0	22.3	942	2.7	63.21	28.0	40.0	28.0	21.0	25.3	830	3.1	55.67	28.0	40.0	28.0	21.0	12.7	1653	0.9	110.94	7.0	15.0	15.0	12.0	<b>PKD 3390 - 100L/4A</b>	86	144-145	15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0	16.8	1254	1.2	84.16	11.0	15.0	15.0	12.0	18.6	1131	1.4	75.92	11.0	15.0	15.0	12.0	22.0	955	1.6	64.11	11.0	15.0	15.0	12.0	23.8	881				1.8	59.15	11.0	15.0	15.0	12.0	28.2	744	2.1	49.94	10.0	15.0	15.0	12.0	29.6	710	2.2	47.67	10.0	15.0	15.0	12.0	34.9	601	2.6	40.37	10.0	15.0	15.0	11.0	37.0	568	2.2	38.09	10.0	15.0	15.0	11.0	39.5	531	2.2	35.65	10.0	15.0	15.0	11.0	47.5	442	2.6	29.67	10.0	15.0	15.0	11.0																															
	5.5	3850	2.1	258.36	63.0	50.0	66.0	50.0	<b>PKD 6390/42 - 100L/4A</b>	400	156-157																																																																																																																																																																																																																																																																																																																																																										
	7.5	2805	2.6	188.23	64.0	50.0	66.0	50.0																																																																																																																																																																																																																																																																																																																																																													
	9.4	2244	2.8	150.60	65.0	50.0	66.0	50.0				7.1	2954	2.8	198.23	64.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/4A</b>	352	156-157	10.9	1928	3.4	129.36	65.0	50.0	66.0	50.0	4.0	5198	0.9	348.85	26.0	45.0	38.0	45.0	<b>PKD 5490 - 100L/4A</b>	226	154-155	4.9	4316	1.1	289.62	31.0	45.0	38.0	45.0	<b>PKD 5390 - 100L/4A</b>	209	152-153	5.7	3686	1.3	247.36	33.0	45.0	38.0	45.0	7.1	2956	1.6	198.37	35.0	45.0	38.0	44.0	8.3	2525	1.9	169.43	36.0	45.0	38.0	42.0				9.7	2165	1.7	145.30	37.0	45.0	38.0	41.0	11.7	1788	2.7	120.01	37.0	45.0	38.0	39.0	13.8	1527	2.6	102.50	38.0	45.0	38.0	38.0	6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0	8.8	2383	1.2	159.93	24.0	40.0	28.0	24.0	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0				12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0	14.8	1424	2.0	95.57	27.0	40.0	28.0	23.0	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0	18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0	20.6	1021	2.7	68.52	28.0				40.0	28.0	21.0	22.3	942	2.7	63.21	28.0	40.0	28.0	21.0	25.3	830	3.1	55.67	28.0	40.0	28.0	21.0	12.7	1653	0.9	110.94	7.0	15.0	15.0	12.0	<b>PKD 3390 - 100L/4A</b>	86	144-145	15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0	16.8	1254	1.2	84.16	11.0	15.0	15.0	12.0	18.6	1131	1.4	75.92	11.0				15.0	15.0	12.0	22.0	955	1.6	64.11	11.0	15.0	15.0	12.0	23.8	881	1.8	59.15	11.0	15.0	15.0	12.0	28.2	744	2.1	49.94	10.0	15.0	15.0	12.0	29.6	710	2.2	47.67	10.0	15.0	15.0				12.0	34.9	601	2.6	40.37	10.0	15.0	15.0	11.0	37.0	568	2.2	38.09	10.0	15.0	15.0	11.0	39.5	531	2.2	35.65	10.0	15.0	15.0	11.0	47.5	442	2.6	29.67	10.0	15.0	15.0	11.0																																																				
	7.1	2954	2.8	198.23	64.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/4A</b>	352	156-157																																																																																																																																																																																																																																																																																																																																																										
	10.9	1928	3.4	129.36	65.0	50.0	66.0	50.0				4.0	5198	0.9	348.85	26.0	45.0	38.0	45.0	<b>PKD 5490 - 100L/4A</b>	226	154-155	4.9	4316	1.1	289.62	31.0	45.0	38.0	45.0	<b>PKD 5390 - 100L/4A</b>	209	152-153	5.7	3686	1.3	247.36	33.0	45.0	38.0	45.0	7.1	2956	1.6	198.37	35.0	45.0	38.0	44.0				8.3	2525	1.9	169.43	36.0	45.0	38.0	42.0	9.7	2165	1.7	145.30	37.0	45.0	38.0	41.0	11.7	1788	2.7	120.01	37.0	45.0	38.0	39.0				13.8	1527	2.6	102.50	38.0	45.0	38.0	38.0	6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0	8.8	2383	1.2	159.93	24.0				40.0	28.0	24.0	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0	12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0	14.8	1424	2.0	95.57	27.0				40.0	28.0	23.0	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0	18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0	20.6	1021	2.7	68.52	28.0	40.0	28.0	21.0	22.3	942	2.7	63.21	28.0	40.0	28.0	21.0	25.3	830				3.1	55.67	28.0	40.0	28.0	21.0	12.7	1653	0.9	110.94	7.0	15.0	15.0	12.0	<b>PKD 3390 - 100L/4A</b>	86	144-145	15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0	16.8	1254				1.2	84.16	11.0	15.0	15.0	12.0	18.6	1131	1.4	75.92	11.0	15.0	15.0	12.0	22.0	955	1.6	64.11	11.0	15.0	15.0				12.0	23.8	881	1.8	59.15	11.0	15.0	15.0	12.0	28.2	744	2.1	49.94	10.0	15.0	15.0	12.0	29.6	710	2.2	47.67	10.0	15.0	15.0	12.0	34.9	601	2.6	40.37	10.0	15.0	15.0	11.0	37.0				568	2.2	38.09	10.0	15.0	15.0	11.0	39.5	531	2.2	35.65	10.0	15.0	15.0	11.0	47.5	442	2.6	29.67	10.0	15.0	15.0	11.0																																																														
	4.0	5198	0.9	348.85	26.0	45.0	38.0	45.0	<b>PKD 5490 - 100L/4A</b>	226	154-155																																																																																																																																																																																																																																																																																																																																																										
	4.9	4316	1.1	289.62	31.0	45.0	38.0	45.0	<b>PKD 5390 - 100L/4A</b>	209	152-153																																																																																																																																																																																																																																																																																																																																																										
	5.7	3686	1.3	247.36	33.0	45.0	38.0	45.0																																																																																																																																																																																																																																																																																																																																																													
	7.1	2956	1.6	198.37	35.0	45.0	38.0	44.0																																																																																																																																																																																																																																																																																																																																																													
	8.3	2525	1.9	169.43	36.0	45.0	38.0	42.0																																																																																																																																																																																																																																																																																																																																																													
	9.7	2165	1.7	145.30	37.0	45.0	38.0	41.0																																																																																																																																																																																																																																																																																																																																																													
	11.7	1788	2.7	120.01	37.0	45.0	38.0	39.0																																																																																																																																																																																																																																																																																																																																																													
	13.8	1527	2.6	102.50	38.0	45.0	38.0	38.0				6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0	8.8	2383	1.2	159.93	24.0	40.0	28.0	24.0	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0	12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0	14.8	1424	2.0	95.57	27.0	40.0	28.0	23.0	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0	18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0	20.6	1021	2.7	68.52	28.0	40.0	28.0	21.0	22.3	942	2.7	63.21	28.0	40.0	28.0	21.0	25.3				830	3.1	55.67	28.0	40.0	28.0	21.0	12.7	1653	0.9	110.94	7.0	15.0				15.0	12.0	<b>PKD 3390 - 100L/4A</b>	86	144-145	15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0	16.8	1254	1.2	84.16	11.0	15.0	15.0	12.0	18.6	1131	1.4	75.92	11.0	15.0	15.0	12.0	22.0	955	1.6	64.11	11.0	15.0	15.0	12.0	23.8	881	1.8	59.15	11.0	15.0	15.0	12.0	28.2	744	2.1	49.94	10.0	15.0	15.0	12.0	29.6	710	2.2	47.67	10.0	15.0	15.0	12.0	34.9	601	2.6	40.37	10.0	15.0	15.0	11.0	37.0	568	2.2	38.09	10.0	15.0	15.0	11.0	39.5	531	2.2	35.65				10.0	15.0	15.0	11.0	47.5	442	2.6	29.67	10.0	15.0				15.0	11.0																																																																																																																																																
	6.0	3499	0.8	234.83	17.0	40.0	28.0	23.0	<b>PKD 4390 - 100L/4A</b>	134	148-149																																																																																																																																																																																																																																																																																																																																																										
	7.2	2907	1.0	195.09	21.0	40.0	28.0	23.0																																																																																																																																																																																																																																																																																																																																																													
	8.8	2383	1.2	159.93	24.0	40.0	28.0	24.0																																																																																																																																																																																																																																																																																																																																																													
	10.6	1980	1.4	132.86	25.0	40.0	28.0	23.0																																																																																																																																																																																																																																																																																																																																																													
	12.0	1755	1.4	117.81	26.0	40.0	28.0	23.0																																																																																																																																																																																																																																																																																																																																																													
	14.8	1424	2.0	95.57	27.0	40.0	28.0	23.0																																																																																																																																																																																																																																																																																																																																																													
	16.3	1289	2.2	86.50	27.0	40.0	28.0	22.0																																																																																																																																																																																																																																																																																																																																																													
18.5	1134	2.5	76.08	27.0	40.0	28.0	22.0																																																																																																																																																																																																																																																																																																																																																														
20.6	1021	2.7	68.52	28.0	40.0	28.0	21.0																																																																																																																																																																																																																																																																																																																																																														
22.3	942	2.7	63.21	28.0	40.0	28.0	21.0																																																																																																																																																																																																																																																																																																																																																														
25.3	830	3.1	55.67	28.0	40.0	28.0	21.0																																																																																																																																																																																																																																																																																																																																																														
12.7	1653	0.9	110.94	7.0	15.0	15.0	12.0	<b>PKD 3390 - 100L/4A</b>				86	144-145																																																																																																																																																																																																																																																																																																																																																								
15.1	1396	1.1	93.67	10.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
16.8	1254	1.2	84.16	11.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
18.6	1131	1.4	75.92	11.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
22.0	955	1.6	64.11	11.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
23.8	881	1.8	59.15	11.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
28.2	744	2.1	49.94	10.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
29.6	710	2.2	47.67	10.0	15.0	15.0	12.0																																																																																																																																																																																																																																																																																																																																																														
34.9	601	2.6	40.37	10.0	15.0	15.0	11.0																																																																																																																																																																																																																																																																																																																																																														
37.0	568	2.2	38.09	10.0	15.0	15.0	11.0																																																																																																																																																																																																																																																																																																																																																														
39.5	531	2.2	35.65	10.0	15.0	15.0	11.0																																																																																																																																																																																																																																																																																																																																																														
47.5	442	2.6	29.67	10.0	15.0	15.0	11.0																																																																																																																																																																																																																																																																																																																																																														



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>2.20</b>	21.2	990	0.9	66.47	0.4	12.0	8.0	11.0	<b>PKD 2390 - 100L/4A</b>	64	140-141
	24.2	868	1.0	58.24	2.0	12.0	9.0	11.0			
	27.1	776	1.1	52.11	5.0	12.0	10.0	11.0			
	28.8	730	1.2	48.99	5.0	12.0	10.0	11.0			
	31.5	668	1.3	44.80	6.0	12.0	11.0	11.0			
	35.5	592	1.5	39.70	7.0	12.0	11.0	11.0			
	42.4	496	1.5	33.28	8.0	12.0	12.0	11.0			
	44.9	468	1.8	31.43	8.0	12.0	12.0	11.0			
	48.3	435	2.0	29.22	8.0	12.0	12.0	11.0			
	53.9	390	2.2	26.14	9.0	12.0	12.0	11.0			
	57.4	366	2.0	24.58	8.0	12.0	12.0	10.0			
	62.7	335	2.3	22.48	8.0	12.0	12.0	10.0			
	70.8	297	2.5	19.92	8.0	12.0	12.0	10.0			
	80.5	261	2.8	17.52	8.0	12.0	12.0	10.0			
	86.5	243	2.1	16.29	8.0	12.0	12.0	10.0			
	96.7	217	2.1	14.58	8.0	12.0	12.0	9.0			
112.5	187	2.3	12.53	7.0	12.0	12.0	9.0				
127.0	165	2.5	11.11	7.0	12.0	12.0	9.0				
160.4	131	2.7	8.79	7.0	11.0	12.0	8.0				
	26.9	781	0.8	52.42	5.0	19.0	9.0	19.0	<b>PKD G 1390 - 100L/4A</b>	57	136-137
	30.5	688	0.9	46.16	7.0	18.0	9.0	18.0			
	34.5	609	1.0	40.87	7.0	18.0	9.0	18.0			
	40.4	519	1.2	34.86	8.0	18.0	9.0	18.0			
	46.3	454	1.3	30.44	9.0	18.0	9.0	18.0			
	53.6	392	1.5	26.30	9.0	18.0	9.0	18.0			
	60.9	345	1.5	23.16	9.0	17.0	9.0	17.0			
	68.8	306	1.9	20.51	9.0	17.0	9.0	17.0			
	80.6	261	2.1	17.49	9.0	16.0	9.0	16.0			
	92.3	228	2.3	15.27	9.0	16.0	9.0	16.0			
	112.9	186	2.5	12.49	9.0	15.0	9.0	15.0			
	40.4	519	0.8	34.86	3.0	18.0	8.0	18.0	<b>PKD 1390 - 100L/4A</b>	56	132-133
	44.8	469	0.9	31.48	4.0	18.0	8.0	18.0			
	50.9	413	1.0	27.72	5.0	18.0	9.0	18.0			
	57.4	366	1.1	24.55	6.0	17.0	9.0	17.0			
	67.4	312	1.3	20.93	6.0	17.0	9.0	17.0			
	80.6	261	1.5	17.49	7.0	16.0	9.0	16.0			
	92.3	228	1.7	15.27	7.0	16.0	9.0	16.0			
	114.9	183	1.2	12.27	7.0	15.0	9.0	15.0			
	129.8	162	1.2	10.86	7.0	15.0	9.0	15.0			
	152.2	138	1.4	9.26	7.0	14.0	9.0	14.0			
	174.3	121	1.5	8.09	7.0	14.0	9.0	14.0			
	39.0	545	1.2	36.59	6.1	12.0	-	-	<b>PKD H 5290 - 100L/4A</b>	64	130-131
	44.0	477	1.3	32.02	6.7	12.0	-	-			
	50.0	424	1.4	28.46	7.1	12.0	-	-			
	56.0	378	1.7	25.37	7.3	12.0	-	-			
	64.0	331	1.9	22.20	7.6	12.0	-	-			
	71.0	294	2.0	19.73	7.7	12.0	-	-			
	79.0	266	2.1	17.84	7.8	12.0	-	-			
	90.0	233	2.1	15.61	7.9	12.0	-	-			
	102.0	207	2.4	13.88	7.8	12.0	-	-			
	114.0	185	2.5	12.40	7.6	12.0	-	-			

**2.20 kW**  
**3.00 kW**

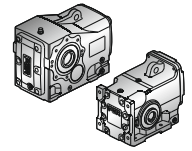


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [N]	F <sub>A</sub> [N]	F <sub>R GR</sub> [N]	F <sub>A GR</sub> [N]	Tip / Type	Kg	Sayfa Page mm				
<b>2.20</b>	41.0	509	0.7	34.15	1.8	12.0	-	-	<b>PKD F 4290 - 100L/4A</b>	57	128-129				
	47.0	445	0.8	29.88	3.0	12.0	-	-							
	53.0	396	0.8	26.56	3.9	12.0	-	-							
	61.0	347	1.1	23.26	4.6	12.0	-	-							
	69.0	303	1.1	20.35	5.0	12.0	-	-							
	78.0	270	1.2	18.09	5.3	12.0	-	-							
	88.0	240	1.5	16.08	5.5	12.0	-	-							
	100.0	210	1.6	14.07	5.7	12.0	-	-							
	112.0	188	1.8	12.63	5.8	12.0	-	-							
	128.0	164	2.0	10.98	5.9	11.8	-	-							
	144.0	145	2.2	9.76	5.9	11.3	-	-							
	163.0	129	2.5	8.67	6.0	10.9	-	-							
	183.0	115	2.6	7.71	6.0	10.4	-	-							
	207.0	101	2.8	6.80	6.1	10.0	-	-							
	238.0	88	2.9	5.92	6.1	9.5	-	-							
	73.0	286	0.8	19.19	2.3	9.0	-	-	<b>PKD C 1290 - 100L/4A</b>	40	126-127				
	83.0	254	0.9	17.06	2.9	9.0	-	-							
	109.0	194	1.0	12.99	3.8	9.0	-	-							
	124.0	169	1.2	11.37	4.0	9.0	-	-							
	130.0	161	1.1	10.81	4.1	8.8	-	-							
	149.0	141	1.2	9.47	4.3	8.5	-	-							
	170.0	123	1.4	8.29	4.4	8.2	-	-							
	193.0	109	1.5	7.29	4.5	7.9	-	-							
	217.0	97	1.7	6.48	4.5	7.6	-	-							
	236.0	89	1.7	5.97	4.6	7.4	-	-							
	266.0	79	1.8	5.31	4.5	7.1	-	-							
	<b>3.00</b>	1.0	27412	1.8	1353.86	220.0	100.0	-				-	<b>PKD G 9390/62 - 100L/4B</b>	1901	166-167
		1.2	23593	2.1	1165.22	220.0	100.0	-				-			
1.4		19828	2.5	979.31	220.0	100.0	-	-							
1.7		16533	3.0	816.57	220.0	100.0	-	-							
1.0		28947	1.1	1424.59	129.0	70.0	160.0	70.0	<b>PKD 9390/52 - 100L/4B</b>	1508	164-165				
1.3		22744	1.4	1119.32	142.0	70.0	160.0	70.0							
1.7		17190	1.9	846.00	149.0	70.0	160.0	70.0							
2.0		14356	2.2	706.54	152.0	70.0	160.0	70.0							
2.3		12390	2.6	609.75	154.0	70.0	160.0	70.0							
3.2		9027	2.6	444.25	156.0	70.0	160.0	70.0							
1.2		24459	0.8	1203.73	83.0	65.0	120.0	65.0	<b>PKD G 8390/52 -100L/4B</b>	931	162-163				
1.5		18486	1.1	909.80	102.0	65.0	120.0	65.0							
2.0		14525	1.4	714.84	110.0	65.0	120.0	65.0							
2.3		12672	1.6	623.65	113.0	65.0	120.0	65.0							
3.2		8838	2.3	434.96	118.0	65.0	120.0	65.0							
3.7		7711	2.6	379.47	119.0	65.0	120.0	65.0							
1.7		17178	0.8	845.40	73.0	60.0	95.0	60.0	<b>PKD 8390/42 - 100L/4B</b>	663	160-161				
2.0		14326	0.9	705.03	80.0	60.0	95.0	60.0							
2.3		12251	1.1	602.92	85.0	60.0	95.0	60.0							
3.2		9029	1.4	444.35	91.0	60.0	95.0	60.0							
3.7		7721	1.7	379.99	92.0	60.0	95.0	60.0							
4.9		5812	2.2	286.02	94.0	60.0	95.0	60.0							
5.7		5008	2.6	246.45	95.0	60.0	95.0	60.0	<b>PKD 8390/52 - 100L/4B</b>	688	160-161				
3.0		9568	0.9	470.91	47.0	50.0	66.0	50.0	<b>PKD 7390/32 - 100L/4B</b>	385	158-159				
3.7		7818	1.1	384.74	54.0	50.0	66.0	50.0							
4.5		6301	1.3	310.09	59.0	50.0	66.0	50.0							
5.2		5475	1.6	269.43	60.0	50.0	66.0	50.0	<b>PKD 7390/42 - 100L/4B</b>	403	158-159				
7.2		3989	1.9	196.30	63.0	50.0	66.0	50.0							
9.0		3191	2.0	157.05	64.0	50.0	66.0	48.0							
10.5		2729	2.3	134.31	65.0	50.0	66.0	46.0							



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>3.00</b>	5.7	4989	1.7	245.55	61.0	50.0	66.0	50.0	<b>PKD 7390 - 100L/4B</b>	355	158-159
	6.8	4206	2.0	206.98	63.0	50.0	66.0	50.0			
	10.3	2777	2.4	136.65	65.0	50.0	66.0	49.0			
	12.8	2237	2.4	110.10	65.0	50.0	66.0	47.0			
	15.4	1858	2.6	91.45	65.0	50.0	66.0	45.0			
	3.1	9175	0.9	451.55	49.0	50.0	66.0	50.0	<b>PKD 6390/32 - 100L/4B</b>	385	156-157
	3.8	7496	1.1	368.93	55.0	50.0	66.0	50.0			
	4.7	6042	1.4	297.35	59.0	50.0	66.0	50.0			
	5.5	5250	1.6	258.36	61.0	50.0	66.0	50.0	<b>PKD 6390/42 - 100L/4B</b>	403	156-157
	7.5	3825	1.9	188.23	63.0	50.0	66.0	50.0			
	9.4	3060	2.0	150.60	64.0	50.0	66.0	50.0			
	6.0	4784	1.7	235.45	61.0	50.0	66.0	50.0	<b>PKD 6390 - 100L/4B</b>	355	156-157
	7.1	4028	2.0	198.23	63.0	50.0	66.0	50.0			
	10.9	2628	2.5	129.36	64.0	50.0	66.0	50.0			
	13.4	2145	2.4	105.58	65.0	50.0	66.0	50.0			
	4.9	5885	0.8	289.62	20.0	45.0	38.0	43.0	<b>PKD 5390 - 100L/4B</b>	212	152-153
	5.7	5026	1.0	247.36	26.0	45.0	38.0	43.0			
	7.1	4031	1.2	198.37	31.0	45.0	38.0	42.0			
	8.3	3443	1.4	169.43	34.0	45.0	38.0	41.0			
	9.7	2952	1.2	145.30	35.0	45.0	38.0	40.0			
	11.7	2439	1.9	120.01	36.0	45.0	38.0	38.0			
	13.8	2083	1.9	102.50	37.0	45.0	38.0	37.0			
	16.0	1791	2.2	88.12	37.0	45.0	38.0	36.0			
	19.5	1467	2.4	72.18	38.0	45.0	38.0	34.0			
	8.2	3496	0.8	172.07	17.0	40.0	28.0	20.0	<b>PKD 4490 - 100L/4B</b>	149	150-151
	8.8	3250	0.9	159.93	19.0	40.0	28.0	20.0	<b>PKD 4390 - 100L/4B</b>	137	148-149
	10.6	2700	1.0	132.86	23.0	40.0	28.0	20.0			
	12.0	2394	1.0	117.81	24.0	40.0	28.0	21.0			
	14.8	1942	1.4	95.57	25.0	40.0	28.0	21.0			
	16.3	1758	1.6	86.50	26.0	40.0	28.0	21.0			
	18.5	1546	1.8	76.08	27.0	40.0	28.0	20.0			
	20.6	1392	2.0	68.52	27.0	40.0	28.0	20.0			
	22.3	1284	2.0	63.21	27.0	40.0	28.0	20.0			
	25.3	1131	2.3	55.67	27.0	40.0	28.0	20.0			
	29.6	967	2.5	47.61	28.0	40.0	28.0	19.0			
	34.8	824	2.6	40.56	28.0	40.0	28.0	19.0			
	41.0	698	2.1	34.38	28.0	40.0	28.0	18.0			
	50.5	568	2.3	27.93	28.0	40.0	28.0	17.0			
	15.1	1903	0.8	93.67	1.0	14.0	13.0	10.0	<b>PKD 3390 - 100L/4B</b>	89	144-145
	16.8	1710	0.9	84.16	5.0	15.0	15.0	10.0			
	18.6	1543	1.0	75.92	8.0	15.0	15.0	10.0			
	22.0	1303	1.2	64.11	9.0	15.0	15.0	10.0			
	23.8	1202	1.3	59.15	9.0	15.0	15.0	10.0			
	28.2	1015	1.5	49.94	9.0	15.0	15.0	10.0			
	29.6	969	1.6	47.67	9.0	15.0	15.0	11.0			
	34.9	820	1.9	40.37	9.0	15.0	15.0	10.0			
	37.0	774	1.7	38.09	9.0	15.0	15.0	10.0			
	39.5	724	1.6	35.65	9.0	15.0	15.0	10.0			
	47.5	603	1.9	29.67	9.0	14.0	15.0	10.0			
	56.3	509	1.9	25.06	9.0	14.0	15.0	10.0			
	59.0	486	2.1	23.92	9.0	14.0	15.0	10.0			
	69.6	411	2.2	20.25	8.0	13.0	15.0	10.0			
	82.5	347	2.3	17.10	8.0	13.0	15.0	9.0			
	89.6	320	2.4	15.73	8.0	12.0	15.0	9.0			
	104.1	275	2.3	13.54	8.0	12.0	15.0	9.0			
	111.2	258	2.1	12.68	7.0	11.0	15.0	9.0			
	131.3	218	2.2	10.74	7.0	11.0	15.0	8.0			

# 3.00 kW

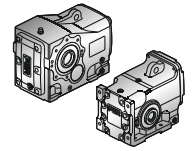


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm	
<b>3.00</b>	27.1	1059	0.8	52.11	0.3	12.0	6.0	10.0	<b>PKD 2390 - 100L/4B</b>	67	140-141	
	28.8	995	0.9	48.99	0.3	12.0	7.0	10.0				
	31.5	910	0.9	44.80	0.4	12.0	9.0	10.0				
	35.5	807	1.1	39.70	4.0	12.0	10.0	10.0				
	42.4	676	1.1	33.28	6.0	12.0	11.0	10.0				
	44.9	639	1.3	31.43	6.0	12.0	11.0	10.0				
	48.3	594	1.4	29.22	7.0	12.0	11.0	10.0				
	53.9	531	1.6	26.14	8.0	12.0	12.0	10.0				
	57.4	499	1.5	24.58	8.0	12.0	12.0	10.0				
	62.7	457	1.7	22.48	8.0	12.0	12.0	10.0				
	70.8	405	1.8	19.92	8.0	12.0	12.0	10.0				
	80.5	356	2.0	17.52	7.0	12.0	12.0	9.0				
	86.5	331	1.5	16.29	7.0	12.0	12.0	9.0				
	96.7	296	1.6	14.58	7.0	12.0	12.0	9.0				
	112.5	255	1.7	12.53	7.0	11.0	12.0	9.0				
	127.0	226	1.8	11.11	7.0	11.0	12.0	9.0				
	160.4	179	2.0	8.79	6.0	10.0	12.0	8.0				
		40.4	708	0.8	34.86	6.0	16.0	9.0	16.0	<b>PKD G 1390 - 100L/4B</b>	60	136-137
		46.3	618	1.0	30.44	7.0	16.0	9.0	16.0			
		53.6	534	1.1	26.30	8.0	16.0	9.0	16.0			
		60.9	471	1.1	23.16	8.0	16.0	9.0	16.0			
		68.8	417	1.4	20.51	9.0	16.0	9.0	16.0			
		80.6	355	1.5	17.49	9.0	15.0	9.0	15.0			
		92.3	310	1.7	15.27	9.0	15.0	9.0	15.0			
		112.9	254	1.8	12.49	9.0	15.0	9.0	15.0			
		57.4	499	0.8	24.55	3.0	16.0	8.0	16.0	<b>PKD 1390 - 100L/4B</b>	59	132-133
		67.4	425	0.9	20.93	5.0	16.0	8.0	16.0			
		80.6	355	1.1	17.49	6.0	15.0	9.0	15.0			
		92.3	310	1.2	15.27	6.0	15.0	9.0	15.0			
		114.9	249	0.9	12.27	7.0	14.0	9.0	14.0			
		129.8	221	0.9	10.86	7.0	14.0	9.0	14.0			
		152.2	188	1.0	9.26	7.0	14.0	9.0	14.0			
		174.3	164	1.1	8.09	7.0	13.0	9.0	13.0			
		39.0	744	0.9	36.59	3.2	12.0	-	-	<b>PKD H 5290 - 100L/4B</b>	67	130-131
		44.0	651	1.0	32.02	4.8	12.0	-	-			
		50.0	578	1.0	28.46	5.8	12.0	-	-			
	56.0	516	1.3	25.37	6.3	12.0	-	-				
	64.0	451	1.4	22.20	6.9	12.0	-	-				
	71.0	401	1.5	19.73	7.2	12.0	-	-				
	79.0	362	1.6	17.84	7.4	12.0	-	-				
	90.0	317	1.5	15.61	7.5	12.0	-	-				
	102.0	282	1.7	13.88	7.4	12.0	-	-				
	114.0	252	1.8	12.40	7.2	12.0	-	-				
	130.0	220	1.8	10.85	7.0	11.6	-	-				
	146.0	196	1.9	9.64	6.8	11.2	-	-				
	165.0	174	1.9	8.56	6.6	10.7	-	-				
	186.0	154	2.0	7.59	6.5	10.3	-	-				
	61.0	473	0.8	23.26	2.1	12.0	-	-	<b>PKD F 4290 - 100L/4B</b>	60	128-129	
	69.0	413	0.8	20.35	3.5	12.0	-	-				
	78.0	368	0.9	18.09	4.2	12.0	-	-				
	88.0	327	1.1	16.08	4.7	12.0	-	-				
	100.0	286	1.2	14.07	5.1	12.0	-	-				
	112.0	257	1.3	12.63	5.3	11.7	-	-				
	128.0	223	1.5	10.98	5.5	11.2	-	-				
	144.0	198	1.6	9.76	5.7	10.8	-	-				
	163.0	176	1.8	8.67	5.8	10.4	-	-				
	183.0	157	2.0	7.71	5.9	10.0	-	-				
	207.0	138	2.0	6.80	6.0	9.6	-	-				
	238.0	120	2.1	5.92	6.0	9.2	-	-				

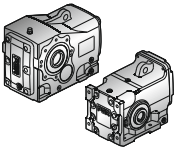


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>3.00</b>	124.0	231	0.8	11.37	3.3	8.2	-	-	<b>PKD C 1290 - 100L/4B</b>	43	126-127
	130.0	220	0.8	10.81	3.4	8.1	-	-			
	149.0	192	0.9	9.47	3.8	7.9	-	-			
	170.0	168	1.0	8.29	4.0	7.7	-	-			
	193.0	148	1.1	7.29	4.2	7.4	-	-			
	217.0	132	1.2	6.48	4.3	7.2	-	-			
	236.0	121	1.3	5.97	4.4	7.0	-	-			
266.0	108	1.3	5.31	4.3	6.8	-	-				
<b>4.00</b>	1.1	35791	1.4	1353.86	220.0	100.0	-	-	<b>PKD G 9390/62 - 112M/4B</b>	1909	166-167
	1.2	30804	1.6	1165.22	220.0	100.0	-	-			
	1.5	25889	1.9	979.31	220.0	100.0	-	-			
	1.8	21587	2.3	816.57	220.0	100.0	-	-			
	2.1	18579	2.7	702.80	220.0	100.0	-	-			
	1.0	38056	0.8	1424.59	102.0	70.0	160.0	70.0	<b>PKD 9390/52 - 112M/4B</b>	1514	164-165
	1.3	29901	1.1	1119.32	128.0	70.0	160.0	70.0			
	1.7	22599	1.4	846.00	142.0	70.0	160.0	70.0			
	2.0	18874	1.7	706.54	147.0	70.0	160.0	70.0			
	2.3	16289	2.0	609.75	150.0	70.0	160.0	70.0			
	3.2	11867	2.7	444.25	154.0	70.0	160.0	70.0			
	3.7	10318	3.0	386.23	155.0	70.0	160.0	70.0			
	1.6	24304	0.8	909.80	83.0	65.0	120.0	65.0	<b>PKD G 8390/52 - 112M/4B</b>	938	162-163
	2.0	19096	1.0	714.84	99.0	65.0	120.0	65.0			
	2.3	16660	1.2	623.65	106.0	65.0	120.0	65.0			
	3.3	11619	1.7	434.96	115.0	65.0	120.0	65.0			
	3.8	10137	2.0	379.47	117.0	65.0	120.0	65.0			
	5.3	7262	2.8	271.85	120.0	65.0	120.0	65.0			
	2.4	16106	0.8	602.92	76.0	60.0	95.0	60.0	<b>PKD 8390/42 - 112M/4B</b>	669	160-161
	3.2	11870	1.1	444.35	86.0	60.0	95.0	60.0			
	3.8	10151	1.3	379.99	89.0	60.0	95.0	60.0			
	5.0	7640	1.7	286.02	93.0	60.0	95.0	60.0			
	5.8	6584	2.0	246.45	94.0	60.0	95.0	60.0	<b>PKD 8390/52 - 112M/4B</b>	694	160-161
	7.8	4870	2.7	182.32	95.0	60.0	95.0	60.0			
	9.8	3910	3.3	146.35	95.0	60.0	95.0	60.0			
	11.6	3303	3.3	123.64	95.0	60.0	95.0	60.0			
	3.7	10278	0.8	384.74	44.0	50.0	66.0	50.0	<b>PKD 7390/32 - 112M/4B</b>	392	158-159
	4.6	8284	1.0	310.09	53.0	50.0	66.0	50.0			
	5.3	7197	1.2	269.43	56.0	50.0	66.0	50.0	<b>PKD 7390/42 - 112M/4B</b>	409	158-159
	7.3	5244	1.4	196.30	61.0	50.0	66.0	48.0			
	9.1	4195	1.5	157.05	63.0	50.0	66.0	46.0			
	5.8	6559	1.3	245.55	58.0	50.0	66.0	50.0	<b>PKD 7390 - 112M/4B</b>	363	158-159
	6.9	5529	1.5	206.98	60.0	50.0	66.0	50.0			
	10.5	3650	1.8	136.65	64.0	50.0	66.0	47.0			
	13.0	2941	2.7	110.10	64.0	50.0	66.0	46.0			
	15.6	2443	2.9	91.45	65.0	50.0	66.0	44.0			
	3.9	9855	0.8	368.93	47.0	50.0	66.0	50.0	<b>PKD 6390/32 - 112M/4B</b>	392	156-157
4.8	7943	1.0	297.35	54.0	50.0	66.0	50.0				
5.5	6902	1.2	258.36	57.0	50.0	66.0	50.0	<b>PKD 6390/42 - 112M/4B</b>	409	156-157	
7.6	5028	1.4	188.23	61.0	50.0	66.0	50.0				
9.5	4023	1.5	150.60	63.0	50.0	66.0	50.0				
6.1	6290	1.3	235.45	58.0	50.0	66.0	50.0	<b>PKD 6390 - 112M/4B</b>	363	156-157	
7.2	5295	1.5	198.23	61.0	50.0	66.0	50.0				
11.1	3456	1.9	129.36	63.0	50.0	66.0	50.0				
13.5	2820	2.7	105.58	64.0	50.0	66.0	50.0				

# 4.00 kW



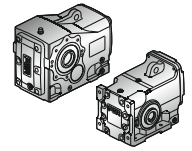
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>4.00</b>	6.2	6117	0.8	228.99	18.0	45.0	38.0	39.0	<b>PKD 5490 - 112M/4B</b>	236	154-155
	7.2	5299	0.9	198.37	25.0	45.0	38.0	39.0	<b>PKD 5390 - 112M/4B</b>	218	152-153
	8.4	4526	1.1	169.43	29.0	45.0	38.0	38.0			
	9.8	3881	0.9	145.30	32.0	45.0	38.0	37.0			
	11.9	3206	1.5	120.01	34.0	45.0	38.0	36.0			
	14.0	2738	1.8	102.50	36.0	45.0	38.0	35.0			
	16.2	2354	2.0	88.12	36.0	45.0	38.0	34.0			
	19.8	1928	2.5	72.18	37.0	45.0	38.0	33.0			
	22.9	1668	2.9	62.45	38.0	45.0	38.0	32.0			
	26.2	1457	3.0	54.55	38.0	45.0	38.0	31.0			
	10.8	3549	0.8	132.86	17.0	40.0	28.0	17.0	<b>PKD 4390 - 112M/4B</b>	143	148-149
	12.1	3147	0.8	117.81	19.0	40.0	28.0	18.0			
	15.0	2553	1.1	95.57	23.0	40.0	28.0	18.0			
	16.5	2311	1.2	86.50	24.0	40.0	28.0	18.0			
	18.8	2032	1.4	76.08	25.0	40.0	28.0	18.0			
	20.9	1830	1.5	68.52	26.0	40.0	28.0	18.0			
	22.6	1689	1.7	63.21	26.0	40.0	28.0	18.0			
	25.7	1487	1.9	55.67	27.0	40.0	28.0	18.0			
	30.0	1272	2.2	47.61	27.0	40.0	28.0	17.0			
	35.3	1084	2.6	40.56	27.0	40.0	28.0	17.0			
	41.6	918	2.4	34.38	28.0	40.0	28.0	17.0			
	51.2	746	2.6	27.93	28.0	40.0	28.0	16.0			
		18.8	2028	0.8	75.92	1.0	10.0	12.0			
22.3		1712	0.9	64.11	6.0	11.0	15.0	9.0			
24.2		1580	1.0	59.15	7.0	12.0	15.0	9.0			
28.6		1334	1.2	49.94	7.0	12.0	15.0	9.0			
30.0		1274	1.2	47.67	7.0	12.0	15.0	9.0			
35.4		1078	1.4	40.37	8.0	13.0	15.0	9.0			
37.5		1018	1.5	38.09	8.0	13.0	15.0	9.0			
40.1		952	1.6	35.65	8.0	13.0	15.0	9.0			
48.2		793	1.9	29.67	8.0	13.0	15.0	9.0			
57.1		669	2.1	25.06	8.0	12.0	15.0	9.0			
59.8		639	2.3	23.92	8.0	12.0	15.0	9.0			
70.6		541	2.5	20.25	8.0	12.0	15.0	9.0			
83.6		457	2.5	17.10	7.0	12.0	15.0	9.0			
90.9		420	2.6	15.73	7.0	11.0	15.0	9.0			
105.6		362	2.6	13.54	7.0	11.0	15.0	8.0			
112.8	339	2.4	12.68	7.0	10.0	15.0	8.0				
133.2	287	2.5	10.74	7.0	10.0	15.0	8.0				
	36.0	1061	0.8	39.70	0.3	11.0	6.0	9.0	<b>PKD 2390 - 112M/4B</b>	74	140-141
	43.0	889	0.8	33.28	0.4	11.0	8.0	9.0			
	45.5	840	1.0	31.43	3.0	11.0	9.0	9.0			
	48.9	781	1.1	29.22	4.0	12.0	10.0	9.0			
	54.7	698	1.2	26.14	6.0	12.0	11.0	9.0			
	58.2	657	1.3	24.58	6.0	11.0	11.0	9.0			
	63.6	600	1.3	22.48	7.0	12.0	11.0	9.0			
	71.8	532	1.4	19.92	7.0	11.0	12.0	9.0			
	81.6	468	1.5	17.52	7.0	11.0	12.0	8.0			
	87.8	435	1.4	16.29	7.0	11.0	12.0	8.0			
	98.1	389	1.5	14.58	6.0	11.0	12.0	8.0			
	114.1	335	1.6	12.53	6.0	10.0	12.0	8.0			
	128.8	297	1.8	11.11	6.0	10.0	12.0	8.0			
	162.6	235	2.0	8.79	6.0	9.0	12.0	8.0			
		54.4	702	0.9	26.30	6.0	14.0	9.0			
61.7		619	0.8	23.16	7.0	14.0	9.0	14.0			
69.7		548	1.1	20.51	8.0	14.0	9.0	14.0			
81.8		467	1.2	17.49	9.0	14.0	9.0	14.0			
93.6		408	1.3	15.27	9.0	14.0	9.0	14.0			
114.5		334	1.6	12.49	9.0	14.0	9.0	14.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔	
<b>4.00</b>	81.8	467	0.8	17.49	4.0	14.0	8.0	14.0	<b>PKD 1390 - 112M/4B</b>	66	132-133	
	93.6	408	0.9	15.27	5.0	14.0	9.0	14.0				
	154.4	247	0.8	9.26	7.0	13.0	9.0	13.0				
	176.8	216	0.8	8.09	7.0	13.0	9.0	13.0				
	50.0	760	0.8	28.46	2.8	12.0	-	-	<b>PKD H 5290 - 112M/4B</b>	75	130-131	
	56.0	678	1.0	25.37	4.5	12.0	-	-				
	64.0	593	1.0	22.20	5.6	12.0	-	-				
	72.0	527	1.1	19.73	6.2	12.0	-	-				
	80.0	477	1.2	17.84	6.7	12.0	-	-				
	92.0	417	1.4	15.61	6.9	11.9	-	-				
	103.0	371	1.4	13.88	6.9	11.6	-	-				
	115.0	331	1.6	12.40	6.8	11.3	-	-				
	132.0	290	1.8	10.85	6.6	10.9	-	-				
	148.0	257	1.9	9.64	6.4	10.5	-	-				
	167.0	229	2.0	8.56	6.3	10.2	-	-				
	188.0	203	2.1	7.59	6.1	9.8	-	-				
	223.0	172	2.3	6.42	5.9	9.3	-	-				
	89.0	429	0.9	16.08	3.3	11.4	-	-	<b>PKD F 4290 - 112M/4B</b>	68	128-129	
	102.0	376	0.9	14.07	4.2	11.0	-	-				
	113.0	337	1.0	12.63	4.6	10.7	-	-				
	130.0	293	1.1	10.98	5.0	10.4	-	-				
	146.0	261	1.2	9.76	5.3	10.0	-	-				
	165.0	232	1.4	8.67	5.5	9.8	-	-				
	186.0	206	1.5	7.71	5.7	9.4	-	-				
	210.0	182	1.6	6.80	5.8	9.1	-	-				
	242.0	158	1.8	5.92	5.7	8.7	-	-				
	<b>5.50</b>	1.1	49212	1.0	1353.86	220.0	100.0	-	-	<b>PKD G 9390/62 - 132S/4C</b>	1925	166-167
		1.2	42355	1.2	1165.22	220.0	100.0	-	-			
1.5		35597	1.4	979.31	220.0	100.0	-	-				
1.8		29682	1.7	816.57	220.0	100.0	-	-				
2.1		25546	2.0	702.80	220.0	100.0	-	-				
2.4		22087	2.3	607.63	220.0	100.0	-	-				
2.7		19568	2.6	538.33	220.0	100.0	-	-				
3.0		17238	2.9	474.22	220.0	100.0	-	-				
1.3		40687	0.8	1119.32	93.0	70.0	160.0	70.0	<b>PKD 9390/52 - 132S/4C</b>	1531	164-165	
1.7		30752	1.0	846.00	124.0	70.0	160.0	70.0				
2.0		25682	1.2	706.54	135.0	70.0	160.0	70.0				
2.4		22164	1.4	609.75	143.0	70.0	160.0	70.0				
3.3		16148	2.0	444.25	150.0	70.0	160.0	70.0				
3.7		14039	2.3	386.23	152.0	70.0	160.0	70.0				
5.1		10229	3.1	281.40	155.0	70.0	160.0	70.0				
2.0		25984	0.8	714.84	72.0	65.0	120.0	65.0	<b>PKD G 8390/52 -132S/4C</b>	953	162-163	
2.3		22669	0.9	623.65	87.0	65.0	120.0	65.0				
3.3		15810	1.3	434.96	107.0	65.0	120.0	65.0				
3.8		13794	1.4	379.47	111.0	65.0	120.0	65.0				
5.3		9882	2.0	271.85	117.0	65.0	120.0	65.0				
6.1		8591	2.3	236.35	118.0	65.0	120.0	65.0				
6.3		8385	2.4	230.68	119.0	65.0	120.0	65.0	<b>PKD G 8390 - 132S/4C</b>	888	162-163	
7.4		7053	2.8	194.04	120.0	65.0	120.0	65.0				
3.3		16152	0.8	444.35	76.0	60.0	95.0	60.0	<b>PKD 8390/42 - 132S/4C</b>	686	160-161	
3.8		13813	0.9	379.99	81.0	60.0	95.0	60.0				
4.9		10784	1.2	296.68	88.0	60.0	95.0	60.0	<b>PKD 8390 - 132S/4C</b>	638	160-161	
5.9		8878	1.5	244.25	91.0	60.0	95.0	60.0				
9.7		5410	2.4	148.84	95.0	60.0	95.0	60.0				
12.4		4237	3.1	116.55	95.0	60.0	95.0	60.0				
4.7		11272	0.8	310.09	37.0	50.0	66.0	48.0	<b>PKD 7390/32 - 132S/4C</b>	408	158-159	



# 5.50 kW

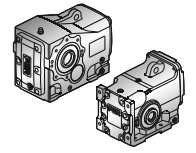


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>5.50</b>	5.4	9794	0.9	269.43	46.0	50.0	66.0	45.0	<b>PKD 7390/42 - 132S/4C</b>	426	158-159
	7.4	7135	1.0	196.30	56.0	50.0	66.0	44.0			
	9.2	5709	1.1	157.05	60.0	50.0	66.0	43.0			
	5.9	8925	1.0	245.55	50.0	50.0	66.0	48.0	<b>PKD 7390 - 132S/4C</b>	378	158-159
	7.0	7523	1.1	206.98	55.0	50.0	66.0	47.0			
	7.7	6789	1.3	186.78	57.0	50.0	66.0	47.0			
	9.2	5723	1.5	157.44	60.0	50.0	66.0	46.0			
	10.6	4967	1.3	136.65	61.0	50.0	66.0	44.0			
	13.1	4002	2.1	110.10	63.0	50.0	66.0	43.0			
	15.8	3324	2.6	91.45	64.0	50.0	66.0	42.0			
	18.2	2894	2.9	79.61	64.0	50.0	66.0	41.0			
	20.6	2547	3.3	70.08	65.0	50.0	66.0	40.0			
	4.9	10808	0.8	297.35	42.0	50.0	66.0	50.0	<b>PKD 6390/32 - 132S/4C</b>	408	156-157
	5.6	9391	0.9	258.36	48.0	50.0	66.0	50.0	<b>PKD 6390/42 - 132S/4C</b>	426	156-157
	6.1	8559	1.0	235.45	52.0	50.0	66.0	50.0	<b>PKD 6390 - 132S/4C</b>	378	156-157
	7.3	7206	1.1	198.23	56.0	50.0	66.0	50.0			
	8.1	6510	1.3	179.11	58.0	50.0	66.0	50.0			
	9.6	5481	1.5	150.79	60.0	50.0	66.0	50.0			
	11.2	4702	1.4	129.36	61.0	50.0	66.0	50.0			
	13.7	3838	2.1	105.58	63.0	50.0	66.0	48.0			
	16.5	3188	2.6	87.70	64.0	50.0	66.0	46.0			
	18.9	2775	3.0	76.33	64.0	50.0	66.0	45.0			
	21.5	2443	3.4	67.20	64.0	50.0	66.0	44.0			
	8.5	6159	0.8	169.43	16.0	45.0	38.0	34.0	<b>PKD 5390 - 132S/4C</b>	235	152-153
	12.0	4362	1.1	120.01	30.0	45.0	38.0	33.0			
	14.1	3726	1.3	102.50	32.0	45.0	38.0	33.0			
	16.4	3203	1.5	88.12	34.0	45.0	38.0	32.0			
	20.0	2624	1.8	72.18	36.0	45.0	38.0	31.0			
23.1	2270	2.1	62.45	37.0	45.0	38.0	31.0				
26.5	1983	2.4	54.55	37.0	45.0	38.0	30.0				
32.1	1636	2.9	45.00	38.0	45.0	38.0	29.0				
36.4	1445	3.3	39.74	38.0	45.0	38.0	28.0				
39.9	1316	2.9	36.21	38.0	45.0	38.0	27.0				
15.1	3474	0.8	95.57	17.0	40.0	28.0	15.0	<b>PKD 4390 - 132S/4C</b>	160	148-149	
16.7	3144	0.9	86.50	20.0	40.0	28.0	15.0				
19.0	2766	1.0	76.08	22.0	40.0	28.0	15.0				
21.1	2491	1.1	68.52	23.0	40.0	28.0	16.0				
22.9	2298	1.1	63.21	24.0	40.0	28.0	16.0				
26.0	2024	1.4	55.67	25.0	40.0	28.0	16.0				
30.4	1731	1.6	47.61	26.0	40.0	28.0	16.0				
35.6	1474	1.9	40.56	27.0	40.0	28.0	16.0				
42.0	1250	2.2	34.38	27.0	40.0	28.0	16.0				
51.7	1015	2.8	27.93	28.0	39.0	28.0	15.0				
60.5	868	2.9	23.88	28.0	38.0	28.0	15.0				
71.0	740	3.1	20.35	27.0	37.0	28.0	15.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔
<b>5.50</b>	28.9	1815	0.9	49.94	1.0	7.0	14.0	7.0	<b>PKD 3390 - 132S/4C</b>	112	144-145
	30.3	1733	0.9	47.67	4.0	8.0	15.0	7.0			
	35.8	1467	1.1	40.37	6.0	9.0	15.0	8.0			
	37.9	1385	0.9	38.09	6.0	9.0	15.0	8.0			
	40.5	1296	0.9	35.65	6.0	9.0	15.0	8.0			
	48.7	1079	1.4	29.67	6.0	10.0	15.0	8.0			
	57.7	911	1.6	25.06	7.0	10.0	15.0	8.0			
	60.4	869	1.8	23.92	7.0	10.0	15.0	8.0			
	71.4	736	2.0	20.25	7.0	10.0	15.0	8.0			
	84.5	622	2.3	17.10	7.0	10.0	15.0	8.0			
	91.9	572	2.4	15.73	7.0	10.0	15.0	8.0			
	106.7	492	2.7	13.54	7.0	10.0	15.0	8.0			
	114.0	461	2.2	12.68	6.0	9.0	15.0	8.0			
	134.6	390	2.3	10.74	6.0	9.0	15.0	7.0			
	169.9	309	2.8	8.50	6.0	9.0	15.0	7.0			
	65.0	807	0.8	22.20	-	10.7	-	-	<b>PKD H 5290 - 132S/4C</b>	91	130-131
	73.0	717	0.8	19.73	3.6	10.8	-	-			
	81.0	648	0.8	17.84	4.8	10.6	-	-			
	93.0	567	0.8	15.61	5.8	10.5	-	-			
	104.0	504	1.1	13.88	6.1	10.3	-	-			
	117.0	451	1.1	12.40	6.1	10.2	-	-			
	133.0	394	1.3	10.85	6.0	9.9	-	-			
	150.0	350	1.4	9.64	5.9	9.7	-	-			
	169.0	311	1.6	8.56	5.8	9.4	-	-			
	190.0	276	1.7	7.59	5.7	9.2	-	-			
	225.0	233	1.9	6.42	5.6	8.8	-	-			
	236.0	222	1.9	6.11	5.5	8.6	-	-			
	266.0	197	2.2	5.43	5.4	8.3	-	-			
	301.0	174	2.4	4.80	5.3	8.0	-	-			
	132.0	399	0.8	10.98	3.7	9.2	-	-	<b>PKD F4290 - 132S/4C</b>	84	128-129
	148.0	355	0.9	9.76	4.4	9.0	-	-			
	167.0	315	1.0	8.67	4.8	8.8	-	-			
	187.0	280	1.1	7.71	5.1	8.6	-	-			
213.0	247	1.2	6.80	5.4	8.4	-	-				
244.0	215	1.3	5.92	5.3	8.1	-	-				
265.0	198	1.3	5.45	5.3	8.0	-	-				
298.0	176	1.5	4.85	5.2	7.7	-	-				
<b>7.50</b>	1.2	57757	0.9	1165.22	220.0	100.0	-	-	<b>PKD G 9390/62 - 132M/4B</b>	1936	166-167
	1.5	48542	1.0	979.31	220.0	100.0	-	-			
	1.8	40475	1.2	816.57	220.0	100.0	-	-			
	2.1	34836	1.4	702.80	220.0	100.0	-	-			
	2.4	30119	1.7	607.63	220.0	100.0	-	-			
	2.7	26684	1.9	538.33	220.0	100.0	-	-			
	3.0	23506	2.1	474.22	220.0	100.0	-	-			
	3.4	21364	2.3	431.00	220.0	100.0	-	-			
	3.9	18387	2.7	370.95	220.0	100.0	-	-			
	4.5	15897	2.8	320.72	220.0	100.0	-	-			
	1.7	41789	0.8	846.00	85.0	70.0	160.0	70.0	<b>PKD 9390/52 - 132M/4B</b>	1542	164-165
	2.1	34901	0.9	706.54	110.0	70.0	160.0	70.0			
	2.4	30120	1.1	609.75	127.0	70.0	160.0	70.0			
	3.3	21944	1.5	444.25	143.0	70.0	160.0	70.0			
	3.8	19079	1.7	386.23	146.0	70.0	160.0	70.0			
	5.2	13900	2.3	281.40	152.0	70.0	160.0	70.0			
	3.3	21485	0.9	434.96	91.0	65.0	120.0	65.0	<b>PKD G 8390/52 -132M/4B</b>	964	162-163
	3.8	18745	1.1	379.47	100.0	65.0	120.0	65.0			
	5.3	13428	1.5	271.85	112.0	65.0	120.0	65.0			
	6.1	11675	1.7	236.35	115.0	65.0	120.0	65.0			
	8.4	8506	2.4	172.19	119.0	65.0	120.0	65.0			
	10.0	7155	2.5	144.85	120.0	65.0	120.0	65.0			

# 7.50 kW

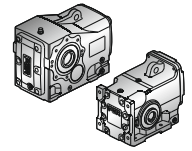


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔	
<b>7.50</b>	6.3 7.5	11395 9585	1.8 2.1	230.68 194.04	115.0 117.0	65.0 65.0	120.0 120.0	65.0 65.0	<b>PKD G 8390 - 132M/4B</b>	899	162-163	
	4.9 5.9 9.7 12.4 15.1 17.5	14655 12065 7352 5757 4740 4097	0.9 1.1 1.8 2.3 2.7 2.9	296.68 244.25 148.84 116.55 95.96 82.95	79.0 85.0 93.0 94.0 95.0 95.0	60.0 60.0 60.0 60.0 60.0 60.0	95.0 95.0 95.0 95.0 95.0 95.0	60.0 60.0 60.0 60.0 60.0 60.0	<b>PKD 8390 - 132M/4B</b>	649	160-161	
	7.4 9.2 10.8	9696 7758 6634	0.8 0.8 0.9	196.30 157.05 134.31	47.0 54.0 58.0	50.0 50.0 50.0	66.0 66.0 66.0	39.0 39.0 39.0	<b>PKD 7390/42 - 132M/4B</b>	437	158-159	
	7.8 9.2 13.2 15.9 18.2 20.7 24.8 28.8	9226 7777 5439 4518 3932 3462 2886 2484	0.9 1.1 1.6 1.9 2.2 2.5 2.7 2.8	186.78 157.44 110.10 91.45 79.61 70.08 58.44 50.29	49.0 54.0 60.0 62.0 63.0 64.0 64.0 65.0	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0	42.0 42.0 41.0 40.0 39.0 38.0 37.0 36.0	<b>PKD 7390 - 132M/4B</b>	389	158-159	
	7.7 11.3	9298 6362	0.8 0.9	188.23 128.79	49.0 58.0	50.0 50.0	66.0 66.0	45.0 44.0	<b>PKD 6390/42 - 132M/4B</b>	437	156-157	
	8.1 9.6 13.7 16.5 19.0 21.6 25.9 30.1	8847 7449 5215 4332 3771 3319 2768 2382	0.9 1.1 1.6 1.9 2.2 2.5 2.7 2.8	179.11 150.79 105.58 87.70 76.33 67.20 56.03 48.23	51.0 55.0 61.0 62.0 63.0 63.0 64.0 64.0	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0	48.0 47.0 45.0 44.0 43.0 42.0 41.0 39.0	<b>PKD 6390 - 132M/4B</b>	389	156-157	
	12.1 14.1 16.5 20.1 23.2 26.6 32.2 36.5 40.0 46.3	5928 5063 4353 3565 3085 2695 2223 1963 1789 1548	0.8 0.8 1.1 1.3 1.6 1.8 2.2 2.4 2.1 2.2	120.01 102.50 88.12 72.18 62.45 54.55 45.00 39.74 36.21 31.33	19.0 26.0 29.0 33.0 34.0 35.0 37.0 37.0 37.0 38.0	45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0	38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0	30.0 30.0 30.0 29.0 29.0 28.0 27.0 27.0 26.0 25.0	<b>PKD 5390 - 132M/4B</b>	246	152-153	
	21.2 22.9 26.0 30.5 35.7 42.2 51.9 60.7 71.3 79.5 92.4 108.0 126.8 141.4 154.0 164.1	3385 3122 2750 2352 2004 1698 1380 1180 1005 901 775 663 565 506 465 436	0.8 0.8 1.0 1.2 1.4 1.6 2.0 2.1 2.3 2.4 2.0 2.2 2.3 2.4 2.5 2.5	68.52 63.21 55.67 47.61 40.56 34.38 27.93 23.88 20.35 18.25 15.69 13.42 11.43 10.25 9.42 8.83	18.0 20.0 22.0 24.0 25.0 26.0 27.0 27.0 26.0 26.0 25.0 24.0 23.0 22.0 22.0 22.0	38.0 38.0 39.0 39.0 38.0 38.0 37.0 36.0 35.0 35.0 33.0 32.0 31.0 30.0 30.0 29.0	28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0	12.0 12.0 13.0 14.0 14.0 14.0 14.0 14.0 14.0 13.0 13.0 13.0 12.0 12.0 12.0 12.0	<b>PKD 4390 - 132M/4B</b>	171	148-149	



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔	
<b>7.50</b>	35.9	1994	0.8	40.37	1.0	4.0	13.0	5.0	<b>PKD 3390 - 132M/4B</b>	123	144-145	
	48.9	1466	1.0	29.67	4.0	6.0	15.0	6.0				
	57.9	1238	1.2	25.06	5.0	7.0	15.0	7.0				
	60.6	1181	1.3	23.92	5.0	7.0	15.0	7.0				
	71.6	1000	1.5	20.25	5.0	8.0	15.0	7.0				
	84.8	845	1.7	17.10	6.0	8.0	15.0	7.0				
	92.2	777	1.8	15.73	6.0	8.0	15.0	7.0				
	107.1	669	2.0	13.54	6.0	8.0	15.0	7.0				
	114.4	626	1.6	12.68	5.0	8.0	15.0	7.0				
	135.1	530	1.7	10.74	5.0	8.0	15.0	7.0				
	170.5	420	2.1	8.50	5.0	8.0	15.0	7.0				
	105.0	685	0.8	13.88	4.2	8.8	-	-	<b>PKD H 5290 - 132M/4B</b>	102	130-131	
	117.0	613	0.8	12.40	5.1	8.8	-	-				
	134.0	536	1.0	10.85	5.2	8.7	-	-				
	150.0	476	1.0	9.64	5.2	8.6	-	-				
	169.0	423	1.2	8.56	5.2	8.5	-	-				
	191.0	375	1.3	7.59	5.1	8.3	-	-				
	226.0	317	1.4	6.42	5.1	8.1	-	-				
	237.0	302	1.4	6.11	5.1	7.9	-	-				
	267.0	268	1.6	5.43	5.0	7.8	-	-				
	302.0	237	1.7	4.80	4.9	7.5	-	-				
	188.0	381	0.8	7.71	4.0	7.6	-	-	<b>PKD F 4290 - 132M/4B</b>	95	128-129	
	213.0	336	0.9	6.80	4.6	7.5	-	-				
	245.0	292	1.0	5.92	4.8	7.3	-	-				
	266.0	269	1.0	5.45	4.8	7.3	-	-				
	299.0	239	1.1	4.85	4.7	7.1	-	-				
	<b>9.20</b>	1.5	59339	0.8	979.31	220.0	100.0	-	-	<b>PKD G 9390/62 - 132M/4</b>	1928	166-167
		1.8	49479	1.0	816.57	220.0	100.0	-	-			
2.1		42585	1.2	702.80	220.0	100.0	-	-				
2.4		36818	1.4	607.63	220.0	100.0	-	-				
2.7		32619	1.5	538.33	220.0	100.0	-	-				
3.1		28734	1.7	474.22	220.0	100.0	-	-				
3.4		26116	1.9	431.00	220.0	100.0	-	-				
3.9		22477	2.2	370.95	220.0	100.0	-	-				
4.5		19433	2.6	320.72	220.0	100.0	-	-				
4.9		18006	2.8	297.17	220.0	100.0	-	-				
5.4		16366	3.1	270.09	220.0	100.0	-	-				
6.2		14149	3.5	233.51	220.0	100.0	-	-				
2.1		42811	0.7	706.54	86.0	70.0	160.0	70.0	<b>PKD 9390/52 - 132M/4</b>	1936	164-165	
2.4		36947	0.9	609.75	108.0	70.0	160.0	70.0				
3.3		26918	1.2	444.25	134.0	70.0	160.0	70.0				
3.8		23403	1.4	386.23	141.0	70.0	160.0	70.0				
5.2		17051	1.9	281.40	149.0	70.0	160.0	70.0				
6.5		13522	2.4	223.16	153.0	70.0	160.0	70.0				
7.6		11621	2.8	191.78	154.0	70.0	160.0	70.0				
3.3		26355	0.8	434.96	70.0	65.0	120.0	65.0	<b>PKD G 8390/52 -132M/4</b>	964	162-163	
3.8		22993	0.9	379.47	86.0	65.0	120.0	65.0				
5.3		16472	1.2	271.85	106.0	65.0	120.0	65.0				
6.1		14321	1.4	236.35	110.0	65.0	120.0	65.0				
8.4		10434	1.9	172.19	116.0	65.0	120.0	65.0				
10.0		8777	2.1	144.85	118.0	65.0	120.0	65.0				
6.3		13978	1.4	230.68	111.0	65.0	120.0	65.0	<b>PKD G 8390 - 132M/4</b>	899	162-163	
7.5		11758	1.7	194.04	115.0	65.0	120.0	65.0				
12.4		7066	2.8	116.62	120.0	65.0	120.0	65.0				
5.1	17331	0.8	286.02	71.0	60.0	95.0	60.0	<b>PKD 8390/42 - 132M/4</b>	697	160-161		

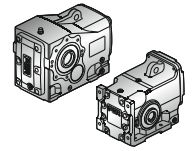
# 9.20 kW



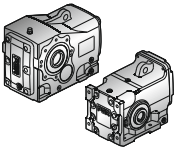
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>9.20</b>	5.9	14800	0.9	244.25	79.0	60.0	95.0	60.0	<b>PKD 8390 - 132M/4</b>	649	160-161
	9.7	9019	1.4	148.84	91.0	60.0	95.0	60.0			
	12.4	7062	1.8	116.55	93.0	60.0	95.0	60.0			
	15.1	5814	2.2	95.96	94.0	60.0	95.0	60.0			
	17.5	5026	2.6	82.95	95.0	60.0	95.0	60.0			
20.3	4336	3.0	71.56	95.0	60.0	95.0	60.0				
	7.8	11318	0.8	186.78	37.0	50.0	66.0	38.0	<b>PKD 7390 - 132M/4</b>	389	158-159
	9.2	9540	0.9	157.44	48.0	50.0	66.0	38.0			
	13.2	6671	1.3	110.10	58.0	50.0	66.0	38.0			
	15.9	5541	1.5	91.45	60.0	50.0	66.0	38.0			
	18.2	4824	1.8	79.61	62.0	50.0	66.0	37.0			
	20.7	4246	2.0	70.08	63.0	50.0	66.0	37.0			
	24.8	3541	2.4	58.44	64.0	50.0	66.0	35.0			
	28.8	3047	1.7	50.29	64.0	50.0	66.0	35.0			
35.3	2487	3.1	41.04	62.0	50.0	66.0	33.0				
	8.1	10853	0.8	179.11	41.0	50.0	66.0	44.0	<b>PKD 6390 - 132M/4</b>	389	156-157
	9.6	9137	0.9	150.79	49.0	50.0	66.0	44.0			
	13.7	6397	1.3	105.58	58.0	50.0	66.0	43.0			
	16.5	5314	1.5	87.70	61.0	50.0	66.0	42.0			
	19.0	4625	1.8	76.33	62.0	50.0	66.0	41.0			
	21.6	4072	2.0	67.20	63.0	50.0	66.0	41.0			
	25.9	3395	2.4	56.03	63.0	50.0	66.0	39.0			
	30.1	2922	2.7	48.23	64.0	50.0	66.0	38.0			
	16.5	5340	0.9	88.12	23.0	45.0	38.0	27.0	<b>PKD 5390 - 132M/4</b>	246	152-153
	20.1	4373	1.1	72.18	30.0	45.0	38.0	27.0			
	23.2	3784	1.3	62.45	32.0	45.0	38.0	27.0			
	26.6	3305	1.5	54.55	34.0	45.0	38.0	27.0			
	32.2	2727	1.8	45.00	35.0	45.0	38.0	26.0			
	36.5	2408	2.0	39.74	36.0	45.0	38.0	26.0			
	40.0	2194	2.2	36.21	37.0	45.0	38.0	25.0			
	46.3	1898	2.5	31.33	37.0	45.0	38.0	25.0			
	53.0	1658	2.8	27.37	38.0	45.0	38.0	24.0			
	62.0	1416	3.0	23.38	38.0	45.0	38.0	23.0			
64.2	1368	3.1	22.58	38.0	45.0	38.0	23.0				
	26.0	3373	0.8	55.67	18.0	35.0	28.0	11.0	<b>PKD 4390 - 132M/4</b>	171	148-149
	30.5	2885	1.0	47.61	21.0	35.0	28.0	12.0			
	35.7	2458	1.1	40.56	23.0	36.0	28.0	12.0			
	42.2	2083	1.3	34.38	25.0	35.0	28.0	13.0			
	51.9	1692	1.7	27.93	26.0	35.0	28.0	13.0			
	60.7	1447	1.9	23.88	26.0	34.0	28.0	13.0			
	71.3	1233	2.1	20.35	26.0	34.0	28.0	13.0			
	79.5	1106	2.2	18.25	25.0	33.0	28.0	13.0			
	92.4	951	2.1	15.69	24.0	32.0	28.0	12.0			
	108.0	813	2.5	13.42	23.0	31.0	28.0	12.0			
	126.8	693	2.2	11.43	22.0	30.0	28.0	12.0			
	141.4	621	2.4	10.25	22.0	30.0	28.0	12.0			
	154.0	571	2.6	9.42	21.0	29.0	28.0	11.0			
	164.1	535	2.6	8.83	21.0	29.0	28.0	11.0			
	48.9	1798	0.8	29.67	2.0	4.0	15.0	5.0	<b>PKD 3390 - 132M/4</b>	123	144-145
	57.9	1518	1.0	25.06	3.0	5.0	15.0	5.0			
	60.6	1449	1.1	23.92	4.0	5.0	15.0	6.0			
	71.6	1227	1.2	20.25	4.0	6.0	15.0	6.0			
	84.8	1036	1.4	17.10	5.0	6.0	15.0	6.0			
	92.2	953	1.5	15.73	5.0	7.0	15.0	6.0			
	107.1	821	1.6	13.54	5.0	7.0	15.0	6.0			
	114.4	768	1.3	12.68	5.0	6.0	15.0	6.0			
	135.1	651	1.4	10.74	5.0	6.0	15.0	6.0			
	170.5	515	1.7	8.50	5.0	7.0	15.0	6.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>9.20</b>	134.0	657	0.8	10.85	4.4	7.7	-	-	<b>PKD H 5290 - 132M/4</b>	102	130-131			
	150.0	584	0.8	9.64	4.6	7.7	-	-						
	169.0	519	1.0	8.56	4.6	7.7	-	-						
	191.0	460	1.0	7.59	4.7	7.6	-	-						
	226.0	389	1.2	6.42	4.7	7.5	-	-						
	237.0	370	1.1	6.11	4.7	7.4	-	-						
	267.0	329	1.3	5.43	4.6	7.2	-	-						
	302.0	291	1.4	4.80	4.6	7.1	-	-						
	245.0	359	0.8	5.92	4.3	6.7	-	-				<b>PKD F 4290 - 132M/4</b>	95	128-129
	266.0	330	0.8	5.45	4.4	6.7	-	-						
299.0	294	0.9	4.85	4.4	6.5	-	-							
<b>11.0</b>	1.8	58754	0.9	816.57	220.0	100.0	-	-	<b>PKD G 9390/62 - 160M/4B</b>	1963	166-167			
	2.1	50568	1.0	702.80	220.0	100.0	-	-						
	2.4	43720	1.1	607.63	220.0	100.0	-	-						
	2.7	38734	1.3	538.33	220.0	100.0	-	-						
	3.1	34121	1.5	474.22	220.0	100.0	-	-						
	3.4	31011	1.6	431.00	220.0	100.0	-	-						
	3.9	26691	1.9	370.95	220.0	100.0	-	-						
	4.6	23076	2.2	320.72	220.0	100.0	-	-						
	4.9	21382	2.3	297.17	220.0	100.0	-	-						
	5.4	19434	2.6	270.09	220.0	100.0	-	-						
	6.3	16802	3.0	233.51	220.0	100.0	-	-						
	7.3	14431	3.3	200.57	220.0	100.0	-	-	<b>PKD G 9390 - 160M/4B</b>	1832	166-167			
	3.3	32185	1.0	444.25	122.0	70.0	160.0	70.0	<b>PKD 9390/52 - 160M/4B</b>	1573	164-165			
	3.8	27982	1.1	386.23	132.0	70.0	160.0	70.0						
	4.9	21575	1.5	297.79	143.0	70.0	160.0	70.0	<b>PKD 9390 - 160M/4B</b>	1497	164-165			
	5.7	18348	1.7	253.26	148.0	70.0	160.0	70.0						
	7.3	14318	2.2	197.62	152.0	70.0	160.0	70.0						
	9.5	11093	2.9	153.11	155.0	70.0	160.0	70.0						
	5.3	19695	1.0	271.85	98.0	65.0	120.0	65.0	<b>PKD G 8390/52 -160M/4B</b>	991	162-163			
	6.1	17123	1.2	236.35	105.0	65.0	120.0	65.0						
	8.4	12475	1.6	172.19	114.0	65.0	120.0	65.0						
	10.0	10494	1.7	144.85	116.0	65.0	120.0	65.0						
	6.3	16713	1.2	230.68	105.0	65.0	120.0	65.0	<b>PKD G 8390 - 160M/4B</b>	927	162-163			
	7.5	14058	1.4	194.04	111.0	65.0	120.0	65.0						
	9.5	11003	1.8	151.87	116.0	65.0	120.0	65.0						
	11.4	9255	2.2	127.75	117.0	65.0	120.0	65.0						
	12.4	8449	2.4	116.62	119.0	65.0	120.0	65.0						
	16.0	6566	3.0	90.63	120.0	65.0	120.0	65.0						
	8.0	13209	1.0	182.32	83.0	60.0	95.0	60.0	<b>PKD 8390/52 - 160M/4B</b>	753	160-161			
	9.7	10783	1.2	148.84	88.0	60.0	95.0	60.0	<b>PKD 8390 - 160M/4B</b>	677	160-161			
11.8	8878	1.5	122.54	91.0	60.0	95.0	60.0							
12.4	8444	1.5	116.55	92.0	60.0	95.0	60.0							
15.1	6952	1.9	95.96	93.0	60.0	95.0	60.0							
17.5	6009	2.2	82.95	94.0	60.0	95.0	60.0							
20.3	5184	2.5	71.56	95.0	60.0	95.0	60.0							
23.2	4523	2.9	62.43	95.0	60.0	95.0	60.0							
9.2	11406	0.7	157.44	37.0	50.0	66.0	35.0	<b>PKD 7390 - 160M/4B</b>				417	158-159	
13.2	7977	1.1	110.10	54.0	50.0	66.0	36.0							
15.9	6626	1.3	91.45	58.0	50.0	66.0	36.0							
18.2	5767	1.5	79.61	60.0	50.0	66.0	35.0							
20.7	5077	1.7	70.08	61.0	50.0	66.0	35.0							
24.8	4234	2.0	58.44	63.0	50.0	66.0	34.0							
28.8	3644	3.6	50.29	63.0	50.0	66.0	33.0							
35.3	2973	2.6	41.04	61.0	50.0	66.0	32.0							
41.2	2547	2.8	35.16	59.0	50.0	66.0	31.0							

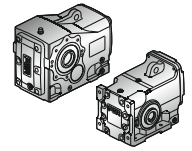


P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
11.0	9.6	10925	0.8	150.79	41.0	50.0	66.0	40.0	PKD 6390 - 160M/4B	417	156-157			
	13.7	7649	1.1	105.58	55.0	50.0	66.0	41.0						
	16.5	6353	1.3	87.70	59.0	50.0	66.0	40.0						
	19.0	5530	1.5	76.33	60.0	50.0	66.0	40.0						
	21.6	4869	1.7	67.20	61.0	50.0	66.0	39.0						
	25.9	4060	2.0	56.03	63.0	50.0	66.0	38.0						
	30.1	3494	3.6	48.23	63.0	50.0	66.0	37.0						
	36.8	2851	2.6	39.35	61.0	50.0	66.0	36.0						
	43.0	2443	2.8	33.71	59.0	50.0	66.0	35.0						
	16.5	6384	0.8	88.12	16.0	45.0	38.0	25.0				PKD 5390 - 160M/4B	277	152-153
	20.1	5229	0.9	72.18	25.0	45.0	38.0	25.0						
	23.2	4525	1.1	62.45	29.0	45.0	38.0	25.0						
	26.6	3952	1.2	54.55	32.0	45.0	38.0	25.0						
	32.2	3261	1.5	45.00	34.0	45.0	38.0	25.0						
	36.5	2879	1.7	39.74	35.0	45.0	38.0	25.0						
	40.0	2623	1.8	36.21	36.0	45.0	38.0	24.0						
	46.3	2270	2.1	31.33	37.0	45.0	38.0	24.0						
	53.0	1983	2.3	27.37	37.0	45.0	38.0	23.0						
	62.0	1693	2.5	23.38	38.0	45.0	38.0	23.0						
	64.2	1636	2.6	22.58	38.0	45.0	38.0	22.0						
	72.7	1445	2.9	19.94	38.0	45.0	38.0	22.0						
	80.8	1301	3.1	17.95	38.0	45.0	38.0	22.0						
	88.6	1186	2.6	16.37	38.0	45.0	38.0	21.0						
	107.4	978	2.8	13.50	36.0	45.0	38.0	20.0						
	121.6	864	3.0	11.92	35.0	44.0	38.0	19.0						
	135.1	778	3.1	10.74	34.0	43.0	38.0	19.0						
	30.5	3449	0.8	47.61	18.0	32.0	28.0	10.0	PKD 4390 - 160M/4B	202	148-149			
	35.7	2939	1.0	40.56	21.0	32.0	28.0	10.0						
	42.2	2490	1.1	34.38	23.0	33.0	28.0	11.0						
	51.9	2023	1.4	27.93	25.0	33.0	28.0	12.0						
	60.7	1730	1.6	23.88	25.0	33.0	28.0	12.0						
	71.3	1474	1.8	20.35	25.0	32.0	28.0	12.0						
	79.5	1322	1.9	18.25	24.0	32.0	28.0	12.0						
	92.4	1137	1.8	15.69	23.0	31.0	28.0	11.0						
	108.0	972	2.1	13.42	23.0	30.0	28.0	11.0						
	126.8	828	1.8	11.43	22.0	29.0	28.0	11.0						
141.4	743	2.0	10.25	21.0	29.0	28.0	11.0							
154.0	682	2.2	9.42	21.0	28.0	28.0	11.0							
164.1	640	2.2	8.83	21.0	28.0	28.0	11.0							
15.0	2.4	59618	0.8	607.63	220.0	100.0	-	-	PKD G 9390/62 - 160L/4A	1972	166-167			
	2.7	52819	0.9	538.33	220.0	100.0	-	-						
	3.1	46529	1.1	474.22	220.0	100.0	-	-						
	3.4	42288	1.2	431.00	220.0	100.0	-	-						
	3.9	36396	1.4	370.95	220.0	100.0	-	-						
	4.6	31468	1.6	320.72	220.0	100.0	-	-						
	4.9	29157	1.7	297.17	220.0	100.0	-	-						
	5.4	26500	1.9	270.09	220.0	100.0	-	-						
	6.3	22911	2.2	233.51	220.0	100.0	-	-						
	7.3	19679	2.4	200.57	220.0	100.0	-	-	PKD G 9390 - 160L/4A	1841	166-167			
	8.4	17014	2.4	173.41	220.0	100.0	-	-						
	3.8	38157	0.8	386.23	104.0	70.0	160.0	70.0	PKD 9390/52 - 160L/4A	1582	164-165			
	4.9	29420	1.1	297.79	128.0	70.0	160.0	70.0	PKD 9390 - 160L/4A	1506	164-165			
	5.7	25021	1.3	253.26	138.0	70.0	160.0	70.0						
	7.3	19524	1.6	197.62	146.0	70.0	160.0	70.0						
	9.5	15126	2.1	153.11	151.0	70.0	160.0	70.0						
	12.1	11879	2.4	120.24	154.0	70.0	160.0	70.0						
	14.2	10113	2.5	102.37	155.0	70.0	160.0	70.0						



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	$T$ [kg]	Sayfa Page mm ↔
<b>15.0</b>	5.3	26857	0.7	271.85	71.0	65.0	120.0	65.0	<b>PKD G 8390/52 -160L/4A</b>	1000	162-163
	6.3	22790	0.9	230.68	88.0	65.0	120.0	65.0	<b>PKD G 8390 - 160L/4A</b>	936	162-163
	7.5	19170	1.0	194.04	99.0	65.0	120.0	65.0			
	9.5	15004	1.3	151.87	109.0	65.0	120.0	65.0			
	11.4	12621	1.6	127.75	113.0	65.0	120.0	65.0			
	12.4	11521	1.7	116.62	116.0	65.0	120.0	65.0			
	16.0	8953	2.2	90.63	118.0	65.0	120.0	65.0			
	21.5	6677	2.4	67.58	120.0	65.0	120.0	65.0			
	9.7	14704	0.9	148.84	79.0	60.0	95.0	60.0	<b>PKD 8390 - 160L/4A</b>	686	160-161
	11.8	12106	1.1	122.54	86.0	60.0	95.0	60.0			
	12.4	11515	1.1	116.55	87.0	60.0	95.0	60.0			
	15.1	9480	1.4	95.96	90.0	60.0	95.0	60.0			
	17.5	8194	1.6	82.95	92.0	60.0	95.0	60.0			
	20.3	7070	1.8	71.56	93.0	60.0	95.0	60.0			
	23.2	6168	2.1	62.43	94.0	60.0	95.0	60.0			
	27.2	5275	2.5	53.39	94.0	60.0	95.0	60.0			
	32.4	4419	2.8	44.73	89.0	60.0	95.0	60.0			
	34.8	4111	2.3	41.61	88.0	60.0	95.0	60.0			
	40.4	3547	2.5	35.90	85.0	60.0	95.0	60.0			
	13.2	10877	0.8	110.10	41.0	50.0	66.0	30.0	<b>PKD 7390 - 160L/4A</b>	426	158-159
	15.9	9035	0.9	91.45	50.0	50.0	66.0	31.0			
	18.2	7864	1.1	79.61	54.0	50.0	66.0	31.0			
	20.7	6924	1.2	70.08	57.0	50.0	66.0	31.0			
	24.8	5773	1.5	58.44	60.0	50.0	66.0	31.0			
	28.8	4969	1.7	50.29	60.0	50.0	66.0	31.0			
	35.3	4055	1.9	41.04	58.0	50.0	66.0	30.0			
	41.2	3473	2.0	35.16	56.0	50.0	66.0	30.0			
	49.5	2896	2.2	29.32	54.0	50.0	66.0	29.0			
	57.5	2493	2.3	25.23	52.0	50.0	66.0	28.0			
	13.7	10430	0.8	105.58	44.0	50.0	66.0	36.0	<b>PKD 6390 - 160L/4A</b>	426	156-157
	16.5	8664	0.9	87.70	52.0	50.0	66.0	36.0			
	19.0	7541	1.1	76.33	55.0	50.0	66.0	36.0			
	21.6	6639	1.2	67.20	58.0	50.0	66.0	36.0			
	25.9	5536	1.5	56.03	60.0	50.0	66.0	35.0			
	30.1	4764	1.7	48.23	60.0	50.0	66.0	35.0			
	36.8	3888	1.9	39.35	59.0	50.0	66.0	34.0			
	43.0	3331	2.5	33.71	57.0	50.0	66.0	33.0			
	51.6	2777	3.0	28.11	55.0	50.0	66.0	32.0			
	59.9	2390	3.4	24.19	53.0	50.0	66.0	31.0			
	73.4	1951	4.2	19.74	51.0	50.0	66.0	30.0			
	82.3	1740	4.3	17.62	49.0	50.0	66.0	29.0			
	97.8	1465	4.9	14.83	47.0	50.0	66.0	28.0			
	23.2	6170	0.8	62.45	16.0	45.0	38.0	22.0	<b>PKD 5390 - 160L/4A</b>	286	152-153
	26.6	5389	0.9	54.55	24.0	45.0	38.0	22.0			
	32.2	4446	1.1	45.00	29.0	45.0	38.0	22.0			
	36.5	3926	1.2	39.74	32.0	45.0	38.0	22.0			
	40.0	3577	1.3	36.21	33.0	45.0	38.0	22.0			
	46.3	3095	1.6	31.33	35.0	45.0	38.0	22.0			
	53.0	2704	1.7	27.37	36.0	45.0	38.0	22.0			
	62.0	2309	1.9	23.38	37.0	45.0	38.0	21.0			
64.2	2231	1.9	22.58	37.0	45.0	38.0	21.0				
72.7	1970	2.2	19.94	37.0	45.0	38.0	21.0				
80.8	1774	2.3	17.95	37.0	45.0	38.0	20.0				
88.6	1617	1.9	16.37	37.0	45.0	38.0	20.0				
107.4	1334	2.1	13.50	35.0	44.0	38.0	19.0				
121.6	1178	2.2	11.92	34.0	43.0	38.0	19.0				
135.1	1061	2.3	10.74	33.0	42.0	38.0	18.0				
144.0	995	2.3	10.07	33.0	41.0	38.0	18.0				
153.3	934	2.4	9.46	32.0	41.0	38.0	18.0				
178.4	803	2.4	8.13	31.0	39.0	38.0	17.0				



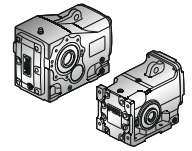


$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	$K_g$	Sayfa Page mm ↔
<b>15.0</b>	42.2	3396	0.8	34.38	18.0	27.0	23.0	8.0	<b>PKD 4390 - 160L/4A</b>	211	148-149
	51.9	2759	1.0	27.93	22.0	28.0	25.0	9.0			
	60.7	2360	1.1	23.88	23.0	29.0	26.0	9.0			
	71.3	2010	1.3	20.35	23.0	29.0	27.0	10.0			
	79.5	1803	1.4	18.25	23.0	29.0	27.0	10.0			
	92.4	1550	1.3	15.69	22.0	28.0	26.0	10.0			
	108.0	1326	1.5	13.42	21.0	27.0	26.0	10.0			
	126.8	1130	1.3	11.43	21.0	27.0	26.0	10.0			
	141.4	1013	1.5	10.25	20.0	27.0	26.0	10.0			
	154.0	930	1.6	9.42	20.0	26.0	26.0	10.0			
164.1	873	1.6	8.83	20.0	26.0	26.0	10.0				
<b>18.5</b>	2.7	65143	0.8	538.33	220.0	100.0	-	-	<b>PKD G 9390/62 - 180M/4B</b>	2005	166-167
	3.1	57385	0.9	474.22	220.0	100.0	-	-			
	3.4	52155	1.0	431.00	220.0	100.0	-	-			
	3.9	44889	1.1	370.95	220.0	100.0	-	-			
	4.6	38810	1.3	320.72	220.0	100.0	-	-			
	4.9	35961	1.4	297.17	220.0	100.0	-	-			
	5.4	32684	1.5	270.09	220.0	100.0	-	-			
	6.3	28257	1.8	233.51	220.0	100.0	-	-			
	7.0	25285	2.0	208.95	220.0	100.0	-	-			
	7.3	24271	2.1	200.57	220.0	100.0	-	-			
	8.4	20984	2.4	173.41	220.0	100.0	-	-			
	9.5	18671	2.7	154.29	220.0	100.0	-	-			
	11.0	16159	3.1	133.53	220.0	100.0	-	-			
	5.2	34287	0.9	281.40	116.0	70.0	160.0	70.0	<b>PKD 9390/52 - 180M/4B</b>	1618	164-165
	6.5	27191	1.2	223.16	134.0	70.0	160.0	70.0			
	7.3	24080	1.3	197.62	139.0	70.0	160.0	70.0	<b>PKD 9390 - 180M/4B</b>	1538	164-165
	9.5	18656	1.7	153.11	147.0	70.0	160.0	70.0			
	12.1	14651	2.2	120.24	152.0	70.0	160.0	70.0			
	14.2	12473	2.6	102.37	153.0	70.0	160.0	70.0			
	15.8	11176	2.9	91.73	155.0	70.0	160.0	70.0			
	18.1	9746	3.3	79.99	156.0	70.0	160.0	70.0			
	8.4	20981	1.0	172.19	94.0	65.0	120.0	65.0	<b>PKD G 8390/52 -180M/4B</b>	1033	162-163
	10.0	17649	1.0	144.85	103.0	65.0	120.0	65.0			
	9.5	18505	1.1	151.87	101.0	65.0	120.0	65.0	<b>PKD G 8390 - 180M/4B</b>	968	162-163
	11.4	15566	1.3	127.75	107.0	65.0	120.0	65.0			
	12.4	14209	1.4	116.62	112.0	65.0	120.0	65.0			
	16.0	11042	1.8	90.63	116.0	65.0	120.0	65.0			
	21.5	8235	2.4	67.58	119.0	65.0	120.0	65.0			
	24.6	7184	2.8	58.96	120.0	65.0	120.0	65.0			
	11.7	15065	0.8	123.64	79.0	60.0	95.0	60.0	<b>PKD 8390/52 - 180M/4B</b>	798	160-161
12.4	14201	0.9	116.55	82.0	60.0	95.0	60.0	<b>PKD 8390 - 180M/4B</b>	718	160-161	
15.1	11692	1.1	95.96	86.0	60.0	95.0	60.0				
17.5	10106	1.3	82.95	89.0	60.0	95.0	60.0				
20.3	8719	1.5	71.56	91.0	60.0	95.0	60.0				
23.2	7607	1.7	62.43	92.0	60.0	95.0	60.0				
27.2	6505	2.0	53.39	91.0	60.0	95.0	60.0				
32.4	5450	2.4	44.73	87.0	60.0	95.0	60.0				
34.8	5070	2.6	41.61	86.0	60.0	95.0	60.0				
40.4	4374	3.0	35.90	83.0	60.0	95.0	60.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔				
<b>18.5</b>	15.9	11143	0.8	91.45	39.0	50.0	66.0	27.0	<b>PKD 7390 - 180M/4B</b>	458	158-159				
	18.2	9699	0.9	79.61	47.0	50.0	66.0	28.0							
	20.7	8539	1.0	70.08	52.0	50.0	66.0	28.0							
	24.8	7120	1.2	58.44	57.0	50.0	66.0	28.0							
	28.8	6128	1.3	50.29	57.0	50.0	66.0	29.0							
	32.4	5460	1.4	44.81	56.0	50.0	66.0	29.0							
	35.3	5001	1.5	41.04	55.0	50.0	66.0	29.0							
	41.2	4284	2.0	35.16	54.0	50.0	66.0	28.0							
	49.5	3572	2.4	29.32	53.0	50.0	66.0	28.0							
	57.5	3074	2.8	25.23	51.0	50.0	66.0	27.0							
	64.5	2739	3.1	22.48	50.0	50.0	66.0	26.0							
	70.4	2509	3.4	20.59	49.0	50.0	66.0	26.0							
	78.9	2238	3.5	18.37	48.0	50.0	66.0	26.0							
	<b>18.5</b>	16.5	10685	0.8	87.70	44.0	50.0	66.0	33.0	<b>PKD 6390 - 180M/4B</b>	458	156-157			
		19.0	9301	0.9	76.33	49.0	50.0	66.0	33.0						
		21.6	8188	1.0	67.20	53.0	50.0	66.0	33.0						
		25.9	6827	1.2	56.03	57.0	50.0	66.0	33.0						
		30.1	5876	1.3	48.23	57.0	50.0	66.0	33.0						
		33.7	5236	1.4	42.97	57.0	50.0	66.0	32.0						
		36.8	4795	1.5	39.35	56.0	50.0	66.0	32.0						
		43.0	4108	2.0	33.71	55.0	50.0	66.0	32.0						
		51.6	3425	2.4	28.11	53.0	50.0	66.0	31.0						
		59.9	2948	2.8	24.19	52.0	50.0	66.0	30.0						
		67.3	2627	3.1	21.56	50.0	50.0	66.0	29.0						
		73.4	2406	3.4	19.74	50.0	50.0	66.0	29.0						
		<b>18.5</b>	32.2	5484	0.9	45.00	23.0	45.0	38.0	20.0	<b>PKD 5390 - 180M/4B</b>	322	152-153		
			36.5	4843	1.0	39.74	28.0	45.0	38.0	20.0					
			40.0	4412	1.1	36.21	30.0	45.0	38.0	20.0					
			46.3	3818	1.3	31.33	32.0	45.0	38.0	20.0					
			53.0	3335	1.4	27.37	34.0	45.0	38.0	20.0					
			62.0	2848	1.5	23.38	35.0	45.0	38.0	20.0					
	64.2		2751	1.6	22.58	36.0	45.0	38.0	20.0						
	72.7		2430	1.8	19.94	36.0	45.0	38.0	20.0						
	80.8		2188	2.0	17.95	37.0	45.0	38.0	20.0						
	88.6		1994	2.2	16.37	35.0	44.0	38.0	19.0						
	107.4		1645	2.6	13.50	34.0	42.0	38.0	18.0						
121.6	1453		2.7	11.92	33.0	41.0	38.0	18.0							
135.1	1308		2.2	10.74	33.0	41.0	38.0	18.0							
144.0	1227		2.3	10.07	32.0	40.0	38.0	17.0							
153.3	1152		2.3	9.46	32.0	40.0	38.0	17.0							
178.4	990		2.6	8.13	31.0	38.0	38.0	17.0							
<b>22.0</b>	3.4		62023	0.8	431.00	220.0	100.0	-	-	<b>PKD G 9390/62 - 180L/4B</b>				2013	166-167
	3.9		53381	0.9	370.95	220.0	100.0	-	-						
	4.6	46153	1.1	320.72	220.0	100.0	-	-							
	4.9	42764	1.2	297.17	220.0	100.0	-	-							
	5.4	38867	1.3	270.09	220.0	100.0	-	-							
	6.3	33603	1.5	233.51	220.0	100.0	-	-							
	7.0	30069	1.7	208.95	220.0	100.0	-	-							
	<b>22.0</b>	7.3	28863	1.7	200.57	220.0	100.0	-	-	<b>PKD G 9390 - 180L/4B</b>	1881	166-167			
		8.4	24954	2.0	173.41	220.0	100.0	-	-						
		9.5	22203	2.3	154.29	220.0	100.0	-	-						
		11.0	19216	2.6	133.53	220.0	100.0	-	-						
		12.0	17007	2.9	118.18	220.0	100.0	-	-						
	<b>22.0</b>	5.2	40634	0.8	281.40	93.0	70.0	160.0	70.0	<b>PKD 9390/52 - 180L/4B</b>	1626	164-165			
		6.5	32224	1.0	223.16	121.0	70.0	160.0	70.0						

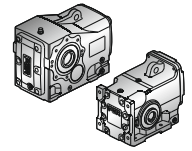
# 22.0 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>22.0</b>	7.4	28537	1.1	197.62	129.0	70.0	160.0	70.0	<b>PKD 9390 - 180L/4B</b>	1546	164-165
	9.5	22109	1.4	153.11	142.0	70.0	160.0	70.0			
	12.1	17363	1.8	120.24	149.0	70.0	160.0	70.0			
	14.2	14782	2.2	102.37	151.0	70.0	160.0	70.0			
	15.9	13245	2.4	91.73	153.0	70.0	160.0	70.0			
	18.2	11550	2.8	79.99	154.0	70.0	160.0	70.0			
	21.1	9968	3.2	69.03	155.0	70.0	160.0	70.0			
	8.4	24865	0.8	172.19	78.0	65.0	120.0	65.0	<b>PKD G 8390/52 -180L/4B</b>	1041	162-163
	9.6	21930	0.9	151.87	91.0	65.0	120.0	65.0	<b>PKD G 8390 - 180L/4B</b>	976	162-163
	11.4	18447	1.1	127.75	99.0	65.0	120.0	65.0			
	12.5	16840	1.2	116.62	103.0	65.0	120.0	65.0			
	16.1	13086	1.5	90.63	112.0	65.0	120.0	65.0			
	21.5	9759	2.0	67.58	117.0	65.0	120.0	65.0			
	24.7	8514	2.3	58.96	119.0	65.0	120.0	65.0			
	28.9	7281	2.7	50.42	116.0	65.0	120.0	65.0			
	15.2	13856	0.9	95.96	81.0	60.0	95.0	60.0	<b>PKD 8390 - 180L/4B</b>	726	160-161
	17.5	11977	1.1	82.95	85.0	60.0	95.0	60.0			
	20.3	10333	1.3	71.56	88.0	60.0	95.0	60.0			
	23.3	9015	1.4	62.43	90.0	60.0	95.0	60.0			
	27.3	7709	1.7	53.39	89.0	60.0	95.0	60.0			
	32.5	6458	2.0	44.73	86.0	60.0	95.0	60.0			
	35.0	6009	2.2	41.61	84.0	60.0	95.0	60.0			
	40.5	5184	2.5	35.90	82.0	60.0	95.0	60.0			
	46.5	4523	2.9	31.32	80.0	60.0	95.0	60.0			
	20.8	10120	0.8	70.08	45.0	50.0	66.0	25.0	<b>PKD 7390 - 180L/4B</b>	466	158-159
	24.9	8438	1.0	58.44	52.0	50.0	66.0	26.0			
	28.9	7262	1.1	50.29	54.0	50.0	66.0	27.0			
	32.5	6471	1.2	44.81	53.0	50.0	66.0	27.0			
35.5	5926	1.3	41.04	53.0	50.0	66.0	27.0				
41.4	5077	1.7	35.16	52.0	50.0	66.0	27.0				
49.6	4233	2.0	29.32	51.0	50.0	66.0	26.0				
57.7	3643	2.3	25.23	49.0	50.0	66.0	26.0				
64.7	3246	2.6	22.48	48.0	50.0	66.0	26.0				
70.7	2973	2.9	20.59	48.0	50.0	66.0	25.0				
79.2	2653	2.9	18.37	47.0	50.0	66.0	25.0				
88.5	2374	3.2	16.44	46.0	50.0	66.0	24.0				
94.0	2236	3.1	15.49	45.0	50.0	66.0	24.0				
103.6	2028	2.6	14.04	44.0	50.0	66.0	23.0				
21.7	9704	0.8	67.20	48.0	50.0	66.0	30.0	<b>PKD 6390 - 180L/4B</b>	466	156-157	
26.0	8091	1.0	56.03	53.0	50.0	66.0	30.0				
30.2	6964	1.1	48.23	54.0	50.0	66.0	31.0				
33.9	6205	1.2	42.97	54.0	50.0	66.0	31.0				
37.0	5683	1.3	39.35	53.0	50.0	66.0	30.0				
43.2	4868	1.7	33.71	53.0	50.0	66.0	30.0				
51.8	4059	2.0	28.11	51.0	50.0	66.0	29.0				
60.1	3494	2.3	24.19	50.0	50.0	66.0	29.0				
67.5	3113	2.6	21.56	49.0	50.0	66.0	28.0				
73.7	2851	2.9	19.74	48.0	50.0	66.0	28.0				
82.6	2544	2.9	17.62	47.0	50.0	66.0	27.0				
92.3	2276	3.2	15.76	46.0	50.0	66.0	27.0				
98.1	2142	3.4	14.83	45.0	50.0	66.0	26.0				
109.5	1919	2.6	13.29	44.0	50.0	66.0	26.0				
122.8	1710	2.8	11.84	43.0	50.0	66.0	25.0				
127.5	1648	2.9	11.42	42.0	50.0	66.0	25.0				
134.1	1566	3.1	10.85	42.0	50.0	66.0	25.0				
150.3	1398	3.2	9.68	41.0	50.0	66.0	24.0				
168.0	1251	3.6	8.66	40.0	50.0	66.0	23.0				



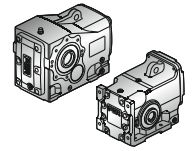
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	KG	Sayfa Page mm			
<b>22.0</b>	36.6	5739	0.8	39.74	21.0	44.0	38.0	18.0	<b>PKD 5390 - 180L/4B</b>	330	152-153			
	40.2	5229	0.9	36.21	25.0	45.0	38.0	18.0						
	46.4	4524	1.1	31.33	29.0	45.0	38.0	19.0						
	53.2	3952	1.2	27.37	32.0	45.0	38.0	19.0						
	62.2	3375	1.3	23.38	34.0	44.0	38.0	19.0						
	64.4	3260	1.3	22.58	34.0	44.0	38.0	19.0						
	73.0	2879	1.5	19.94	35.0	44.0	38.0	19.0						
	81.0	2592	1.7	17.95	35.0	43.0	38.0	19.0						
	88.9	2363	1.8	16.37	34.0	42.0	38.0	18.0						
	107.8	1950	2.2	13.50	33.0	41.0	38.0	18.0						
	122.0	1722	2.3	11.92	32.0	40.0	38.0	17.0						
	135.5	1550	1.9	10.74	32.0	39.0	38.0	17.0						
	144.5	1454	1.9	10.07	31.0	39.0	38.0	17.0						
	153.9	1365	1.9	9.46	31.0	39.0	38.0	17.0						
179.0	1173	2.2	8.13	30.0	38.0	38.0	16.0							
<b>30.0</b>	4.6	62721	0.8	320.72	220.0	100.0	-	-	<b>PKD G 9390/62 - 200L/4C</b>	2079	166-167			
	4.9	58116	0.9	297.17	220.0	100.0	-	-						
	5.4	52820	0.9	270.09	220.0	100.0	-	-						
	6.3	45666	1.1	233.51	220.0	100.0	-	-						
	7.0	40863	1.2	208.95	220.0	100.0	-	-						
	7.3	39224	1.3	200.57	220.0	100.0	-	-	<b>PKD G 9390 - 200L/4C</b>	1948	166-167			
	8.4	33913	1.5	173.41	220.0	100.0	-	-						
	9.5	30173	1.7	154.29	220.0	100.0	-	-						
	11.0	26114	1.9	133.53	220.0	100.0	-	-						
	12.0	23112	2.2	116.18	220.0	100.0	-	-						
	14.0	19983	2.5	102.18	220.0	100.0	-	-						
	16.0	17522	2.9	89.60	220.0	100.0	-	-						
	12.1	23595	1.4	120.24	139.0	70.0	160.0	70.0	<b>PKD 9390 - 200L/4C</b>	1612	164-165			
	14.3	20088	1.6	102.37	145.0	70.0	160.0	70.0						
	15.9	18000	1.8	91.73	148.0	70.0	160.0	70.0						
	18.3	15696	2.0	79.99	150.0	70.0	160.0	70.0						
	21.2	13546	2.4	69.03	153.0	70.0	160.0	70.0						
	24.9	11520	2.8	58.71	154.0	70.0	160.0	70.0						
	16.1	17784	1.1	90.63	102.0	65.0	120.0	65.0	<b>PKD G 8390 - 200L/4C</b>	1042	162-163			
	21.6	13262	1.5	67.58	113.0	65.0	120.0	65.0						
	24.8	11571	1.7	58.96	114.0	65.0	120.0	65.0						
	29.0	9895	2.0	50.42	111.0	65.0	120.0	65.0						
	34.6	8289	2.4	42.24	108.0	65.0	120.0	65.0						
	41.1	6972	2.6	35.53	104.0	65.0	120.0	65.0						
	17.6	16277	0.8	82.95	76.0	60.0	95.0	60.0	<b>PKD 8390 - 200L/4C</b>	792	160-161			
	20.4	14043	0.9	71.56	80.0	60.0	95.0	60.0						
	23.4	12251	1.1	62.43	84.0	60.0	95.0	60.0						
	27.3	10477	1.2	53.39	83.0	60.0	95.0	60.0						
	32.6	8777	1.5	44.73	81.0	60.0	95.0	60.0						
	35.1	8166	1.6	41.61	80.0	60.0	95.0	60.0						
	40.7	7045	1.8	35.90	78.0	60.0	95.0	60.0						
	46.6	6146	2.1	31.32	76.0	60.0	95.0	60.0						
54.5	5256	2.5	26.79	74.0	60.0	95.0	60.0							
65.1	4403	3.0	22.44	71.0	60.0	95.0	59.0							
84.2	3401	3.2	17.33	67.0	60.0	95.0	56.0							
99.8	2872	3.3	14.64	65.0	60.0	95.0	53.0							
118.2	2423	3.0	12.35	61.0	60.0	95.0	51.0							



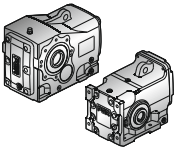
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>30.0</b>	29.0	9869	0.8	50.29	46.0	50.0	66.0	22.0	<b>PKD 7390 - 200L/4C</b>	532	158-159
	32.6	8794	0.9	44.81	47.0	50.0	66.0	22.0			
	35.6	8054	1.0	41.04	47.0	50.0	66.0	23.0			
	41.5	6899	1.2	35.16	47.0	50.0	66.0	23.0			
	49.8	5753	1.5	29.32	47.0	50.0	66.0	23.0			
	57.9	4951	1.7	25.23	46.0	50.0	66.0	23.0			
	64.9	4412	1.9	22.48	45.0	50.0	66.0	23.0			
	70.9	4040	2.1	20.59	45.0	50.0	66.0	23.0			
	79.5	3605	2.2	18.37	44.0	50.0	66.0	23.0			
	88.8	3226	2.3	16.44	43.0	50.0	66.0	23.0			
	94.3	3039	2.5	15.49	43.0	50.0	65.0	22.0			
	104.0	2755	1.9	14.04	41.0	50.0	63.0	22.0			
	116.7	2455	2.0	12.51	41.0	50.0	62.0	21.0			
	121.1	2366	2.1	12.06	40.0	50.0	62.0	21.0			
	127.4	2249	2.2	11.46	40.0	50.0	61.0	21.0			
	142.8	2006	2.4	10.22	39.0	50.0	60.0	21.0			
	159.6	1795	2.6	9.15	38.0	50.0	59.0	21.0			
	30.3	9464	0.8	48.23	47.0	50.0	66.0	26.0			
	34.0	8432	0.9	42.97	47.0	50.0	66.0	26.0			
	37.1	7723	1.0	39.35	48.0	50.0	66.0	26.0			
	43.3	6616	1.2	33.71	48.0	50.0	66.0	27.0			
	51.9	5516	1.5	28.11	47.0	50.0	66.0	27.0			
	60.3	4748	1.7	24.19	46.0	50.0	66.0	26.0			
	67.7	4230	1.9	21.56	46.0	50.0	66.0	26.0			
	73.9	3874	2.1	19.74	45.0	50.0	66.0	26.0			
	82.9	3457	2.2	17.62	45.0	50.0	66.0	26.0			
	92.6	3093	2.3	15.76	44.0	50.0	66.0	25.0			
	98.4	2910	2.5	14.83	43.0	50.0	66.0	25.0			
	109.8	2608	1.9	13.29	42.0	50.0	66.0	24.0			
	123.3	2324	2.1	11.84	41.0	50.0	66.0	24.0			
	127.9	2240	2.1	11.42	41.0	50.0	66.0	24.0			
	134.6	2129	2.3	10.85	40.0	50.0	66.0	23.0			
	150.9	1899	2.4	9.68	39.0	49.0	66.0	23.0			
	168.6	1699	2.6	8.66	38.0	48.0	66.0	23.0			
<b>37.0</b>	5.4	64923	0.8	270.09	220.0	100.0	-	-	<b>PKD G 9390/62 - 225S/4A</b>	2134	166-167
	6.3	56130	0.9	233.51	220.0	100.0	-	-			
	7.0	50226	1.0	208.95	220.0	100.0	-	-			
	7.3	48212	1.0	200.57	220.0	100.0	-	-	<b>PKD G 9390 - 225S/4A</b>	2003	166-167
	8.5	41683	1.2	173.41	220.0	100.0	-	-			
	9.5	37087	1.3	154.29	220.0	100.0	-	-			
	11.0	32097	1.6	133.53	220.0	100.0	-	-			
	12.0	28407	1.8	118.18	220.0	100.0	-	-			
	14.0	24561	2.0	102.18	220.0	100.0	-	-			
	16.0	21538	2.3	89.60	220.0	100.0	-	-			
	18.0	19574	2.6	81.43	220.0	100.0	-	-			
	21.0	16925	2.7	70.41	220.0	100.0	-	-			
	12.1	29101	1.1	120.24	128.0	70.0	160.0	70.0	<b>PKD 9390 - 225S/4A</b>	1677	164-165
	14.3	24775	1.3	102.37	137.0	70.0	160.0	70.0			
	15.9	22200	1.4	91.73	142.0	70.0	160.0	70.0			
	18.3	19358	1.7	79.99	146.0	70.0	160.0	70.0			
	21.2	16706	1.9	69.03	149.0	70.0	160.0	70.0			
	24.9	14208	2.3	58.71	152.0	70.0	160.0	70.0			
	29.3	12040	2.4	49.75	154.0	70.0	160.0	70.0			
	16.1	21933	0.9	90.63	90.0	65.0	120.0	65.0			
	21.6	16357	1.2	67.58	107.0	65.0	120.0	65.0			
	24.8	14270	1.4	58.96	109.0	65.0	120.0	65.0			
	29.0	12204	1.6	50.42	107.0	65.0	120.0	65.0			
	34.6	10223	2.0	42.24	104.0	65.0	120.0	65.0			
41.1	8599	2.1	35.53	100.0	65.0	120.0	65.0				
49.4	7159	2.1	29.58	97.0	65.0	120.0	65.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	KG	Sayfa Page mm			
<b>37.0</b>	20.4	17319	0.8	71.56	73.0	60.0	95.0	60.0	<b>PKD 8390 - 225S/4A</b>	847	160-161			
	23.4	15110	0.9	62.43	78.0	60.0	95.0	60.0						
	27.3	12921	1.0	53.39	78.0	60.0	95.0	60.0						
	32.6	10824	1.2	44.73	77.0	60.0	95.0	60.0						
	35.1	10071	1.3	41.61	76.0	60.0	95.0	60.0						
	40.7	8689	1.5	35.90	75.0	60.0	95.0	60.0						
	46.6	7580	1.7	31.32	73.0	60.0	95.0	60.0						
	54.5	6483	2.0	26.79	71.0	60.0	95.0	59.0						
	65.1	5431	2.4	22.44	69.0	60.0	95.0	57.0						
	84.2	4195	2.6	17.33	66.0	60.0	95.0	54.0						
	99.8	3542	2.7	14.64	63.0	60.0	95.0	52.0						
	118.2	2988	2.4	12.35	60.0	60.0	95.0	50.0						
	181.3	1949	2.7	8.05	54.0	60.0	95.0	45.0						
	35.6	9933	0.8	41.04	42.0	50.0	58.0	19.0				<b>PKD 7390 - 225S/4A</b>	587	158-159
	41.5	8509	1.0	35.16	43.0	50.0	61.0	20.0						
	49.8	7095	1.2	29.32	43.0	50.0	62.0	21.0						
	57.9	6107	1.4	25.23	43.0	50.0	63.0	21.0						
	64.9	5441	1.6	22.48	43.0	50.0	63.0	21.0						
	70.9	4983	1.7	20.59	42.0	50.0	63.0	21.0						
	79.5	4446	1.8	18.37	42.0	50.0	63.0	21.0						
	88.8	3978	1.9	16.44	41.0	50.0	62.0	21.0						
	94.3	3748	2.0	15.49	41.0	50.0	61.0	21.0						
	104.0	3398	1.5	14.04	40.0	50.0	59.0	20.0						
	116.7	3028	1.7	12.51	39.0	50.0	59.0	20.0						
	121.1	2919	1.7	12.06	39.0	50.0	58.0	20.0						
	127.4	2773	1.8	11.46	38.0	50.0	58.0	20.0						
	142.8	2474	1.9	10.22	38.0	50.0	57.0	20.0						
	159.6	2214	2.1	9.15	37.0	50.0	57.0	19.0						
	37.1	9525	0.8	39.35	42.0	50.0	66.0	23.0	<b>PKD 6390 - 225S/4A</b>	587	156-157			
	43.3	8159	1.0	33.71	43.0	50.0	66.0	24.0						
	51.9	6804	1.2	28.11	43.0	50.0	66.0	24.0						
	60.3	5856	1.4	24.19	43.0	50.0	66.0	24.0						
	67.7	5218	1.6	21.56	43.0	50.0	66.0	24.0						
73.9	4778	1.7	19.74	43.0	50.0	66.0	24.0							
82.9	4263	1.8	17.62	42.0	50.0	66.0	24.0							
92.6	3815	1.9	15.76	42.0	50.0	66.0	24.0							
98.4	3589	2.0	14.83	41.0	50.0	66.0	24.0							
109.8	3217	1.6	13.29	40.0	49.0	66.0	23.0							
123.3	2867	1.7	11.84	39.0	48.0	66.0	23.0							
127.9	2763	1.7	11.42	39.0	48.0	66.0	22.0							
134.6	2625	1.8	10.85	39.0	47.0	66.0	22.0							
150.9	2342	1.9	9.68	38.0	47.0	66.0	22.0							
168.6	2096	2.1	8.66	37.0	46.0	65.0	22.0							
<b>45.0</b>	7.0	61086	0.8	208.95	220.0	100.0	-	-	<b>PKD G 9390/62 - 225M/4A</b>	2179	166-167			
	9.5	45106	1.1	154.29	220.0	100.0	-	-	<b>PKD G 9390 - 225M/4A</b>	2048	166-167			
	11.0	39037	1.3	133.53	220.0	100.0	-	-						
	12.0	34550	1.4	118.18	220.0	100.0	-	-						
	14.0	29872	1.7	102.18	220.0	100.0	-	-						
	16.0	26197	1.9	89.60	220.0	100.0	-	-						
	18.0	23806	2.1	81.43	220.0	100.0	-	-						
	21.0	20584	2.4	70.41	220.0	100.0	-	-						
	23.0	19023	2.6	65.07	220.0	100.0	-	-						
	26.0	16447	3.0	56.26	220.0	100.0	-	-						



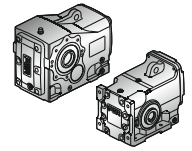
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>45.0</b>	14.3	30132	1.1	102.37	125.0	70.0	160.0	70.0	<b>PKD 9390 - 225M/4C</b>	1712	164-165			
	15.9	27000	1.2	91.73	134.0	70.0	160.0	70.0						
	18.3	23544	1.4	79.99	139.0	70.0	160.0	70.0						
	21.2	20319	1.6	69.03	145.0	70.0	160.0	70.0						
	24.9	17280	1.9	58.71	149.0	70.0	160.0	70.0						
	29.3	14643	2.2	49.75	152.0	70.0	160.0	70.0						
	35.8	11999	2.7	40.77	154.0	70.0	160.0	70.0						
	37.3	11520	2.8	39.14	155.0	70.0	160.0	70.0						
	42.8	10045	3.1	34.13	155.0	70.0	160.0	70.0						
	21.6	19894	1.0	67.58	98.0	65.0	120.0	65.0				<b>PKD G 8390 - 225M/4C</b>	1142	162-163
	24.8	17356	1.2	58.96	103.0	65.0	120.0	65.0						
	29.0	14842	1.3	50.42	102.0	65.0	120.0	65.0						
	34.6	12433	1.6	42.24	100.0	65.0	120.0	65.0						
	41.1	10459	1.7	35.53	97.0	65.0	120.0	65.0						
	49.4	8707	2.3	29.58	94.0	65.0	120.0	65.0						
	57.7	7446	2.7	25.30	92.0	65.0	120.0	65.0						
	27.3	15715	0.8	53.39	72.0	60.0	95.0	60.0	<b>PKD 8390 - 225M/4C</b>	892	160-161			
	32.6	13165	1.0	44.73	72.0	60.0	95.0	60.0						
	35.1	12249	1.1	41.61	72.0	60.0	95.0	60.0						
	40.7	10567	1.2	35.90	71.0	60.0	95.0	59.0						
	46.6	9219	1.4	31.32	70.0	60.0	95.0	58.0						
	54.5	7884	1.6	26.79	69.0	60.0	95.0	57.0						
	65.1	6605	2.0	22.44	67.0	60.0	95.0	55.0						
	72.3	5940	2.2	20.18	66.0	60.0	95.0	54.0						
	84.2	5102	2.5	17.33	64.0	60.0	95.0	53.0						
	99.8	4308	3.0	14.64	62.0	60.0	95.0	51.0						
	118.2	3634	2.3	12.35	59.0	60.0	95.0	49.0						
	181.3	2371	3.0	8.05	53.0	60.0	95.0	44.0						
	49.8	8629	1.0	29.32	39.0	50.0	55.0	18.0	<b>PKD 7390 - 225M/4C</b>	632	158-159			
	57.9	7427	1.1	25.23	39.0	50.0	56.0	19.0						
	64.9	6618	1.3	22.48	40.0	50.0	57.0	19.0						
	70.9	6061	1.4	20.59	40.0	50.0	57.0	19.0						
	79.5	5407	1.5	18.37	39.0	50.0	58.0	20.0						
	88.8	4839	1.6	16.44	39.0	50.0	58.0	20.0						
	94.3	4558	1.7	15.49	39.0	50.0	57.0	19.0						
	104.0	4133	1.3	14.04	37.0	50.0	55.0	19.0						
	116.7	3683	1.4	12.51	37.0	50.0	55.0	19.0						
	121.1	3550	1.4	12.06	37.0	50.0	55.0	19.0						
	127.4	3373	1.5	11.46	37.0	49.0	55.0	19.0						
	142.8	3009	1.6	10.22	36.0	49.0	54.0	19.0						
	159.6	2693	1.8	9.15	36.0	48.0	54.0	18.0						
	51.9	8275	1.0	28.11	39.0	47.0	66.0	21.0				<b>PKD 6390 - 225M/4C</b>	632	156-157
	60.3	7122	1.2	24.19	40.0	48.0	66.0	22.0						
	67.7	6346	1.3	21.56	40.0	48.0	66.0	22.0						
	73.9	5812	1.4	19.74	40.0	48.0	66.0	22.0						
	82.9	5185	1.4	17.62	40.0	48.0	66.0	22.0						
	92.6	4640	1.6	15.76	40.0	48.0	66.0	22.0						
	98.4	4366	1.6	14.83	39.0	47.0	66.0	22.0						
109.8	3913	1.3	13.29	38.0	46.0	66.0	21.0							
123.3	3486	1.4	11.84	37.0	45.0	65.0	21.0							
127.9	3360	1.4	11.42	37.0	45.0	65.0	21.0							
134.6	3193	1.5	10.85	37.0	45.0	65.0	21.0							
150.9	2849	1.6	9.68	36.0	44.0	64.0	21.0							
168.6	2549	1.8	8.66	36.0	44.0	63.0	21.0							



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔			
<b>55.0</b>	9.6	54757	0.9	154.29	220.0	100.0	-	-	<b>PKD G 9390 - 250M/4C</b>	2200	166-167			
	11.0	47390	1.1	133.53	220.0	100.0	-	-						
	13.0	41942	1.2	118.18	220.0	100.0	-	-						
	14.0	36264	1.4	102.18	220.0	100.0	-	-						
	17.0	31799	1.6	89.60	220.0	100.0	-	-						
	18.0	28899	1.7	81.43	220.0	100.0	-	-						
	21.0	24988	2.0	70.41	220.0	100.0	-	-						
	23.0	23093	2.2	65.07	220.0	100.0	-	-						
	26.0	19967	2.5	56.26	218.4	100.0	-	-						
	31.0	16961	2.7	47.79	210.9	100.0	-	-						
	14.3	36702	0.9	102.37	104.0	70.0	160.0	70.0	<b>PKD 9390 - 250M/4C</b>	1865	164-165			
	16.0	32887	1.0	91.73	119.0	70.0	160.0	70.0						
	18.3	28677	1.1	79.99	132.0	70.0	160.0	70.0						
	21.2	24749	1.3	69.03	137.0	70.0	160.0	70.0						
	25.0	21048	1.5	58.71	144.0	70.0	160.0	70.0						
	29.4	17836	1.8	49.75	149.0	70.0	160.0	70.0						
	35.9	14616	2.2	40.77	152.0	70.0	160.0	70.0						
	37.4	14032	2.3	39.14	152.0	70.0	160.0	70.0						
	42.9	12236	2.5	34.13	154.0	70.0	160.0	70.0						
	49.9	10522	2.8	29.35	155.0	70.0	160.0	70.0						
	21.7	24231	0.8	67.58	83.0	65.0	120.0	65.0	<b>PKD G 8390 - 250M/4C</b>	1295	162-163			
	24.8	21140	1.9	58.96	94.0	65.0	120.0	65.0						
	29.1	18079	1.1	50.42	95.0	65.0	120.0	65.0						
	34.7	15145	1.3	42.24	94.0	65.0	120.0	65.0						
	41.2	12739	1.4	35.53	92.0	65.0	120.0	65.0						
	49.5	10606	1.9	29.58	90.0	65.0	120.0	65.0						
	57.9	9070	2.2	25.30	88.0	65.0	120.0	65.0						
	69.1	7598	2.6	21.19	86.0	65.0	120.0	63.0						
	82.2	6391	2.8	17.83	82.0	65.0	120.0	61.0						
	89.5	5869	3.0	16.37	81.0	65.0	120.0	60.0						
	99.3	5289	2.6	14.75	78.0	65.0	120.0	58.0						
	118.6	4430	2.8	12.36	76.0	65.0	120.0	56.0						
	126.0	4169	3.1	11.63	75.0	65.0	120.0	56.0						
	153.5	3422	3.0	9.54	71.0	65.0	120.0	53.0						
	32.8	16035	0.8	44.73	66.0	60.0	95.0	55.0	<b>PKD 8390 - 250M/4C</b>	1045	160-161			
	35.2	14919	0.9	41.61	66.0	60.0	95.0	55.0						
	40.8	12872	1.0	35.90	66.0	60.0	95.0	55.0						
	46.8	11230	1.2	31.32	66.0	60.0	95.0	55.0						
	54.7	9603	1.4	26.79	65.0	60.0	95.0	54.0						
	65.3	8045	1.6	22.44	64.0	60.0	95.0	53.0						
	72.6	7235	1.8	20.18	63.0	60.0	95.0	52.0						
	84.5	6214	2.1	17.33	61.0	60.0	95.0	51.0						
100.1	5247	2.5	14.64	60.0	60.0	95.0	49.0							
118.7	4427	1.9	12.35	57.0	60.0	95.0	47.0							
181.9	2887	2.5	8.05	52.0	60.0	95.0	43.0							
<b>75.0</b>	11.0	64405	0.8	133.53	220.0	100.0	-	-				<b>PKD G 9390 - 280M/4A</b>	2380	166-167
	13.0	57001	0.9	118.18	220.0	100.0	-	-						
	15.0	49284	1.0	102.18	220.0	100.0	-	-						
	17.0	43216	1.2	89.60	220.0	100.0	-	-						
	18.0	39276	1.3	81.43	220.0	100.0	-	-						
	21.0	33960	1.5	70.41	216.8	100.0	-	-						
	23.0	31385	1.6	65.07	214.5	100.0	-	-						
	26.0	27136	1.8	56.26	208.7	100.0	-	-						
	31.0	23050	2.0	47.79	202.7	100.0	-	-						
	36.0	19930	2.0	41.32	196.5	100.0	-	-						
	41.0	17479	2.2	36.24	191.5	100.0	-	-						
	45.0	15883	2.3	32.93	187.5	100.0	-	-						



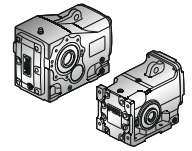
**75.0 kW**  
**90.0 kW**



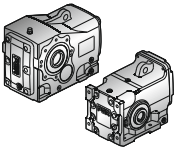
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>75.0</b>	18.4	38840	0.8	79.99	104.0	70.0	160.0	70.0	<b>PKD 9390 - 280M/4A</b>	2045	164-165			
	21.4	33520	1.0	69.03	120.0	70.0	160.0	70.0						
	25.1	28507	1.1	58.71	130.0	70.0	160.0	70.0						
	29.6	24157	1.3	49.75	139.0	70.0	160.0	70.0						
	36.2	19796	1.6	40.77	146.0	70.0	160.0	70.0						
	37.7	19004	1.7	39.14	147.0	70.0	160.0	70.0						
	43.2	16572	1.8	34.13	150.0	70.0	160.0	70.0						
	50.3	14250	2.1	29.35	152.0	70.0	160.0	70.0						
	59.1	12119	2.1	24.96	154.0	70.0	160.0	70.0						
	72.3	9910	2.2	20.41	156.0	70.0	160.0	70.0						
	85.3	8398	2.1	17.29	156.0	70.0	160.0	70.0						
	104.1	6882	2.2	14.17	157.0	70.0	160.0	70.0						
	127.6	5613	2.3	11.56	158.0	70.0	160.0	70.0						
	29.3	24485	0.8	50.42	82.0	65.0	120.0	61.0				<b>PKD G 8390 - 280M/4A</b>	1475	162-163
	34.9	20512	1.0	42.24	84.0	65.0	120.0	62.0						
	41.5	17254	1.0	35.53	82.0	65.0	120.0	61.0						
	49.9	14364	1.4	29.58	83.0	65.0	120.0	62.0						
	58.3	12284	1.6	25.30	82.0	65.0	120.0	61.0						
	69.6	10291	1.9	21.19	80.0	65.0	120.0	59.0						
	82.7	8656	2.0	17.83	78.0	65.0	120.0	58.0						
	90.1	7949	2.2	16.37	77.0	65.0	120.0	57.0						
	100.0	7163	1.9	14.75	75.0	65.0	120.0	55.0						
	119.4	6000	2.0	12.36	72.0	65.0	120.0	54.0						
	126.9	5646	2.2	11.63	72.0	65.0	120.0	54.0						
	154.5	4635	2.2	9.54	69.0	65.0	120.0	51.0						
	183.0	3914	2.2	8.06	66.0	65.0	120.0	49.0						
	47.1	15209	0.9	31.32	57.0	60.0	95.0	48.0	<b>PKD 8390 - 280M/4A</b>	1225	160-161			
	55.1	13007	1.0	26.79	58.0	60.0	95.0	48.0						
	65.7	10896	1.2	22.44	58.0	60.0	95.0	48.0						
	73.1	9800	1.3	20.18	57.0	60.0	95.0	48.0						
85.1	8416	1.5	17.33	57.0	60.0	95.0	47.0							
100.8	7107	1.8	14.64	56.0	60.0	95.0	46.0							
119.5	5996	1.4	12.35	53.0	60.0	95.0	44.0							
183.1	3911	1.8	8.05	50.0	60.0	95.0	41.0							
<b>90.0</b>	15.0	59141	0.8	102.18	213.2	100.0	-	-	<b>PKD G 9390 - 280M/4B</b>	2430	166-167			
	17.0	51859	1.0	89.60	212.6	100.0	-	-						
	18.0	47131	1.1	81.43	211.3	100.0	-	-						
	21.0	40752	1.2	70.41	207.5	100.0	-	-						
	23.0	37662	1.3	65.07	206.2	100.0	-	-						
	26.0	32563	1.5	56.26	201.3	100.0	-	-						
	31.0	27660	1.8	47.79	196.8	100.0	-	-						
	36.0	23916	2.1	41.32	191.4	100.0	-	-						
	41.0	20975	2.4	36.24	187.0	100.0	-	-						
	45.0	19059	2.6	32.93	183.3	100.0	-	-						
	52.0	16478	2.6	28.47	178.0	100.0	-	-						
	56.0	15228	2.7	26.31	174.8	100.0	-	-						
	21.4	40088	0.8	69.03	98.0	70.0	160.0	70.0	<b>PKD 9390 - 280M/4</b>	2095	164-165			
	25.2	34093	0.9	58.71	115.0	70.0	160.0	70.0						
	29.8	28891	1.1	49.75	130.0	70.0	160.0	70.0						
	36.3	23674	1.4	40.77	140.0	70.0	160.0	70.0						
	37.8	22728	1.4	39.14	141.0	70.0	160.0	70.0						
	43.4	19819	1.6	34.13	145.0	70.0	160.0	70.0						
	50.4	17043	1.9	29.35	149.0	70.0	160.0	70.0						
	59.3	14494	2.2	24.96	152.0	70.0	160.0	70.0						
	72.5	11852	2.5	20.41	154.0	70.0	160.0	70.0						
	85.6	10044	2.1	17.29	155.0	70.0	160.0	70.0						
	104.4	8230	2.4	14.17	157.0	70.0	160.0	70.0						





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔			
<b>90.0</b>	35.0	24531	0.8	42.24	75.0	65.0	120.0	56.0	<b>PKD G 8390 - 280M/4</b>	1525	162-163			
	41.7	20635	0.9	35.53	76.0	65.0	120.0	56.0						
	50.0	17179	1.2	29.58	77.0	65.0	120.0	57.0						
	58.5	14691	1.4	25.30	77.0	65.0	120.0	57.0						
	69.8	12307	1.6	21.19	76.0	65.0	120.0	56.0						
	83.0	10352	1.8	17.83	74.0	65.0	120.0	55.0						
	90.4	9506	2.0	16.37	74.0	65.0	120.0	55.0						
	100.3	8566	1.8	14.75	71.0	65.0	120.0	53.0						
	119.8	7176	2.0	12.36	70.0	65.0	120.0	52.0						
	127.3	6753	2.5	11.63	70.0	65.0	120.0	52.0						
	155.1	5543	2.3	9.54	67.0	65.0	120.0	50.0						
	183.6	4681	2.6	8.06	65.0	65.0	120.0	48.0						
	55.3	15555	0.8	26.79	52.0	60.0	95.0	44.0				<b>PKD 8390 - 280M/4</b>	1275	160-161
	66.0	13031	1.0	22.44	53.0	60.0	95.0	44.0						
	73.3	11720	1.1	20.18	53.0	60.0	95.0	45.0						
	85.4	10065	1.3	17.33	53.0	60.0	95.0	44.0						
	101.1	8500	1.5	14.64	53.0	60.0	95.0	44.0						
	119.9	7170	1.2	12.35	50.0	60.0	95.0	42.0						
	183.8	4677	1.5	8.05	48.0	60.0	94.0	40.0						
<b>110</b>	17.0	63256	0.8	89.60	196.8	100.0	-	-	<b>PKD G 9390 - 315S/4</b>	2610	166-167			
	18.0	57488	0.9	81.43	197.2	100.0	-	-						
	21.0	49708	1.0	70.41	195.2	100.0	-	-						
	23.0	45938	1.1	65.07	194.8	100.0	-	-						
	26.0	39719	1.3	56.26	191.5	100.0	-	-						
	31.0	33719	1.5	47.79	188.4	100.0	-	-						
	36.0	29171	1.7	41.32	184.1	100.0	-	-						
	41.0	25585	2.0	36.24	180.8	100.0	-	-						
	45.0	23248	2.1	32.93	177.7	100.0	-	-						
	52.0	20099	2.1	28.47	172.5	100.0	-	-						
	57.0	18574	2.2	26.31	170.7	100.0	-	-						
	65.0	16061	2.2	22.75	165.2	100.0	-	-						
	25.2	41670	0.8	58.71	85.0	70.0	160.0	70.0				<b>PKD 9390 - 315S/4</b>	2275	164-165
	29.8	35311	0.9	49.75	113.0	70.0	160.0	70.0						
	36.3	28935	1.1	40.77	130.0	70.0	160.0	70.0						
	37.8	27779	1.2	39.14	132.0	70.0	160.0	70.0						
	43.4	24223	1.3	34.13	139.0	70.0	160.0	70.0						
	50.4	20830	1.5	29.35	144.0	70.0	160.0	70.0						
	59.3	17715	1.8	24.96	149.0	70.0	160.0	70.0						
	72.5	14486	2.0	20.41	152.0	70.0	160.0	70.0						
	85.6	12275	1.7	17.29	154.0	70.0	160.0	70.0						
	104.4	10059	2.0	14.17	155.0	70.0	160.0	70.0						
	128.0	8205	2.2	11.56	157.0	70.0	160.0	70.0						
	138.2	7602	2.2	10.71	157.0	70.0	160.0	70.0						
	50.0	20997	1.0	29.58	70.0	65.0	120.0	52.0	<b>PKD G 8390 - 315S/4</b>	1705	162-163			
	58.5	17956	1.1	25.30	71.0	65.0	120.0	53.0						
	69.8	15042	1.3	21.19	71.0	65.0	120.0	53.0						
	83.0	12653	1.5	17.83	70.0	65.0	120.0	52.0						
	90.4	11618	1.6	16.37	70.0	65.0	120.0	52.0						
	100.3	10470	1.4	14.75	67.0	65.0	120.0	50.0						
	119.8	8771	1.6	12.36	66.0	65.0	120.0	49.0						
	127.3	8253	2.1	11.63	67.0	65.0	120.0	50.0						
	155.1	6775	1.9	9.54	64.0	65.0	120.0	48.0						
183.6	5721	2.1	8.06	63.0	65.0	118.0	46.0							



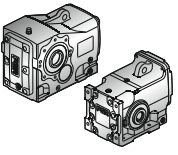
P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm ↔	
<b>132</b>	21.0	59650	0.8	70.41	180.9	100.0	-	-	<b>PKD G 9390 - 315M/4</b>	2690	166-167	
	23.0	55126	0.9	65.07	182.1	100.0	-	-				
	26.0	47662	1.0	56.26	181.2	100.0	-	-				
	31.0	40487	1.2	47.79	179.5	100.0	-	-				
	36.0	35005	1.4	41.32	176.5	100.0	-	-				
	41.0	30702	1.6	36.24	174.4	100.0	-	-				
	45.0	27898	1.8	32.93	171.9	100.0	-	-				
	52.0	24119	2.1	28.47	167.3	100.0	-	-				
	57.0	22289	2.2	26.31	165.3	100.0	-	-				
	65.0	19273	2.4	22.75	160.7	100.0	-	-				
	77.0	16444	2.8	19.41	156.1	100.0	-	-				
	89.0	14216	2.8	16.78	151.2	100.0	-	-				
	29.7	42375	0.8	49.75	85.0	70.0	160.0	70.0	<b>PKD 9390 - 315M/4</b>	2280	164-165	
	36.3	34726	0.9	40.77	116.0	70.0	160.0	70.0				
	50.4	24999	1.3	29.35	138.0	70.0	160.0	70.0				
	59.3	21260	1.5	24.96	144.0	70.0	160.0	70.0				
	72.5	17384	1.8	20.41	149.0	70.0	160.0	70.0				
	85.6	14727	1.4	17.29	152.0	70.0	160.0	70.0				
	104.4	12069	1.6	14.17	154.0	70.0	160.0	70.0				
	128.0	9846	1.9	11.56	156.0	70.0	160.0	69.0				
	138.2	9122	2.0	10.71	156.0	69.0	160.0	68.0				
	58.5	21547	0.9	25.30	64.0	65.0	120.0	47.0	<b>PKD G 8390 - 315M/4</b>	1705	162-163	
	69.8	18050	1.1	21.19	65.0	65.0	120.0	48.0				
	83.0	15183	1.3	17.83	65.0	65.0	120.0	48.0				
	90.4	13942	1.4	16.37	66.0	65.0	120.0	49.0				
	100.3	12564	1.2	14.75	63.0	65.0	120.0	47.0				
	119.8	10525	1.3	12.36	62.0	65.0	119.0	46.0				
	127.3	9904	1.7	11.63	64.0	65.0	120.0	47.0				
	155.1	8130	1.6	9.54	61.0	65.0	117.0	45.0				
	183.6	6865	1.7	8.06	60.0	65.0	114.0	45.0				
	<b>160</b>	26.0	57850	0.9	56.26	166.4	100.0	-	-	<b>PKD G 9390 - 315M/4</b>	2840	166-167
		31.0	49141	1.0	47.79	168.0	100.0	-	-			
		36.0	42488	1.2	41.32	166.4	100.0	-	-			
41.0		37264	1.3	36.24	165.2	100.0	-	-				
45.0		33861	1.5	32.93	163.5	100.0	-	-				
52.0		29275	1.7	28.47	160.3	100.0	-	-				
56.0		27054	1.8	26.31	159.2	100.0	-	-				
65.0		23393	2.0	22.75	155.3	100.0	-	-				
77.0		19959	2.3	19.41	151.6	100.0	-	-				
89.0		17254	2.3	16.78	147.2	100.0	-	-				
36.4		41946	0.8	40.77	89.0	70.0	160.0	70.0	<b>PKD 9390 - 315M/4</b>	2505	164-165	
50.6		30196	1.1	29.35	127.0	70.0	160.0	70.0				
59.5		25681	1.2	24.96	136.0	70.0	160.0	70.0				
72.8		21000	1.5	20.41	144.0	70.0	160.0	70.0				
85.9		17795	1.2	17.29	148.0	70.0	160.0	70.0				
104.8		14582	1.3	14.17	152.0	69.0	160.0	68.0				
128.5		11894	1.6	11.56	154.0	67.0	160.0	67.0				
138.7		11020	1.6	10.71	155.0	67.0	160.0	66.0				
58.7		26030	0.8	25.30	54.0	57.0	107.0	41.0	<b>PKD G 8390 - 315M/4</b>	1935	162-163	
70.1		21805	0.9	21.19	57.0	62.0	112.0	43.0				
83.3		18342	1.0	17.83	58.0	63.0	113.0	43.0				
90.7		16843	1.1	16.37	60.0	65.0	116.0	44.0				
100.7		15178	1.0	14.75	57.0	62.0	110.0	42.0				
120.2		12714	1.1	12.36	58.0	64.0	110.0	43.0				
127.7	11964	1.4	11.63	60.0	65.0	114.0	44.0					
155.6	9821	1.3	9.54	58.0	65.0	110.0	43.0					
184.2	8293	1.4	8.06	57.0	65.0	108.0	42.0					



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	 Kg	Sayfa Page mm 
<b>200</b>	41.0	46580	1.1	36.24	152.4	100.0	-	-	<b>PKD G 9390 - 315L/4</b>	2980	166-167
	45.0	42326	1.2	32.93	152.1	100.0	-	-			
	52.0	36593	1.4	28.47	150.3	100.0	-	-			
	56.0	33817	1.5	26.31	150.5	100.0	-	-			
	65.0	29241	1.6	22.75	147.3	100.0	-	-			
	77.0	24948	1.9	19.41	145.3	100.0	-	-			
	89.0	21568	1.9	16.78	141.6	100.0	-	-			



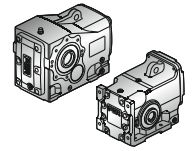
**PGR<sup>®</sup>**  
Drive Technologies



## MOTORLU ÖLÇÜ TABLOLARI DIMENSION TABLES OF GEARMOTORS

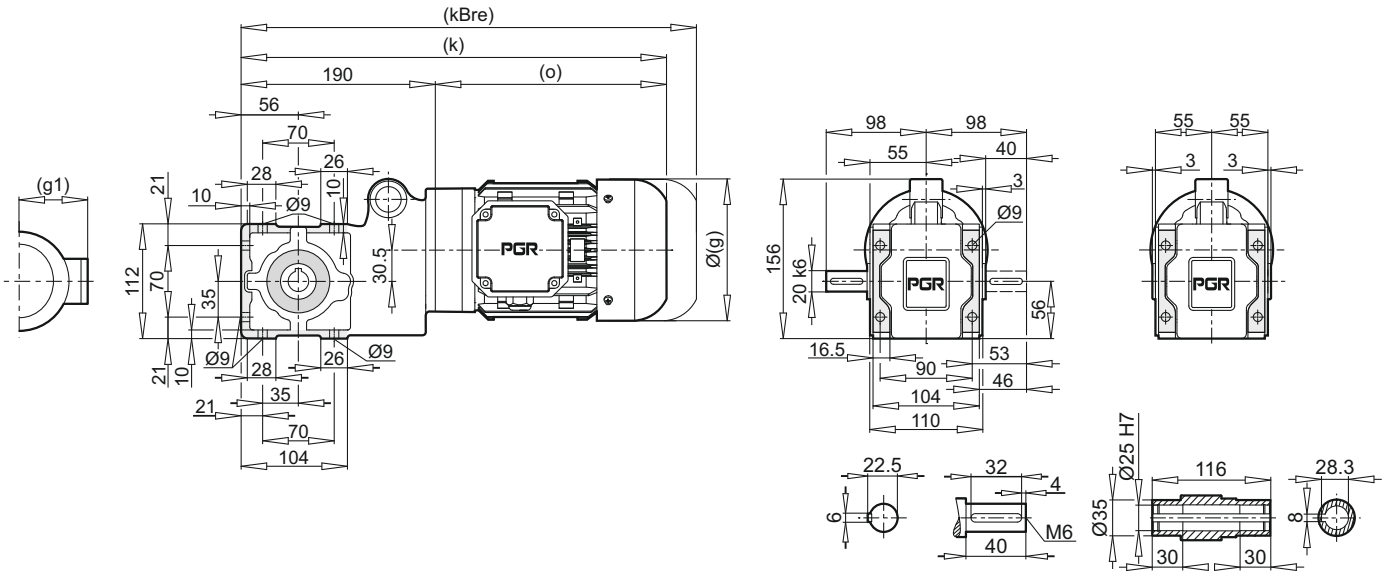


# PKD A 0290



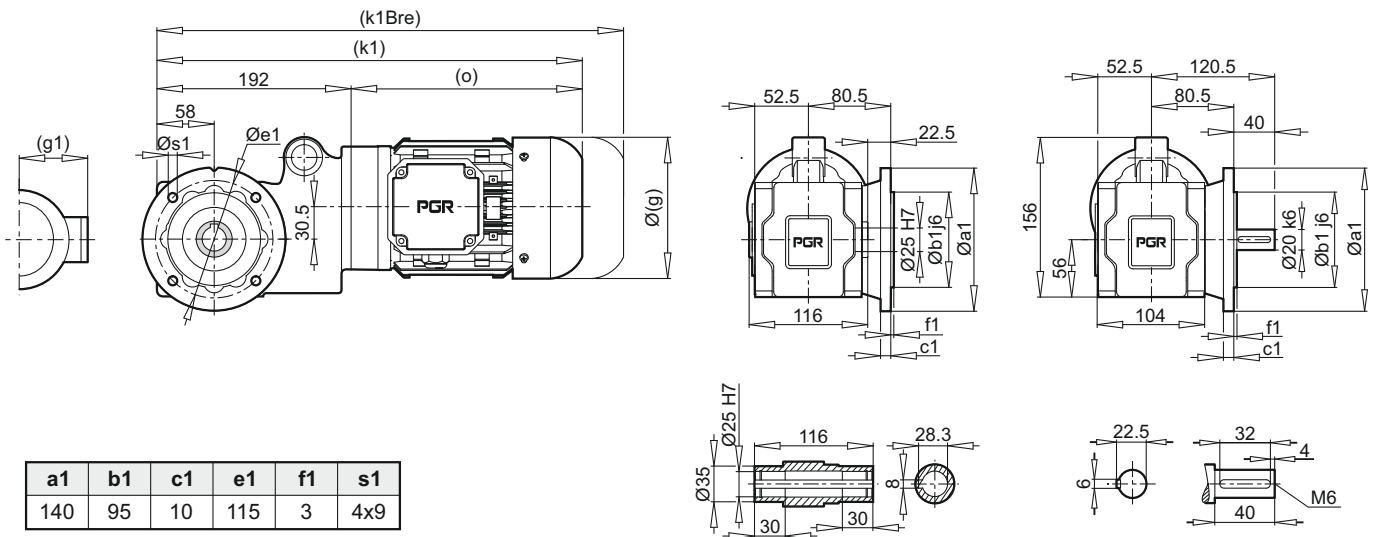
## PKD A 0290 TMA ...

## PKD A 0290 DA ...



## PKD A 0290 DG / B5 ...

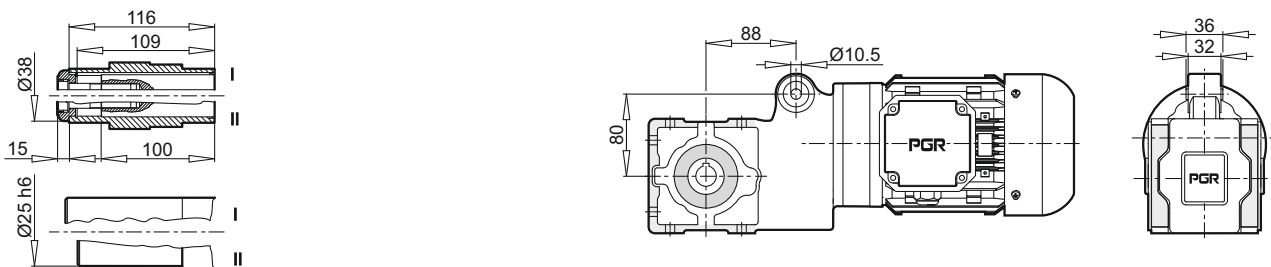
## PKD A 0290 TMG / B5 ...



## PKD A 0290 DA / Ç ...

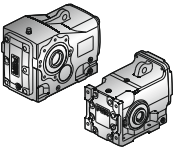
68 - 69

## PKD A 0290 TK ...

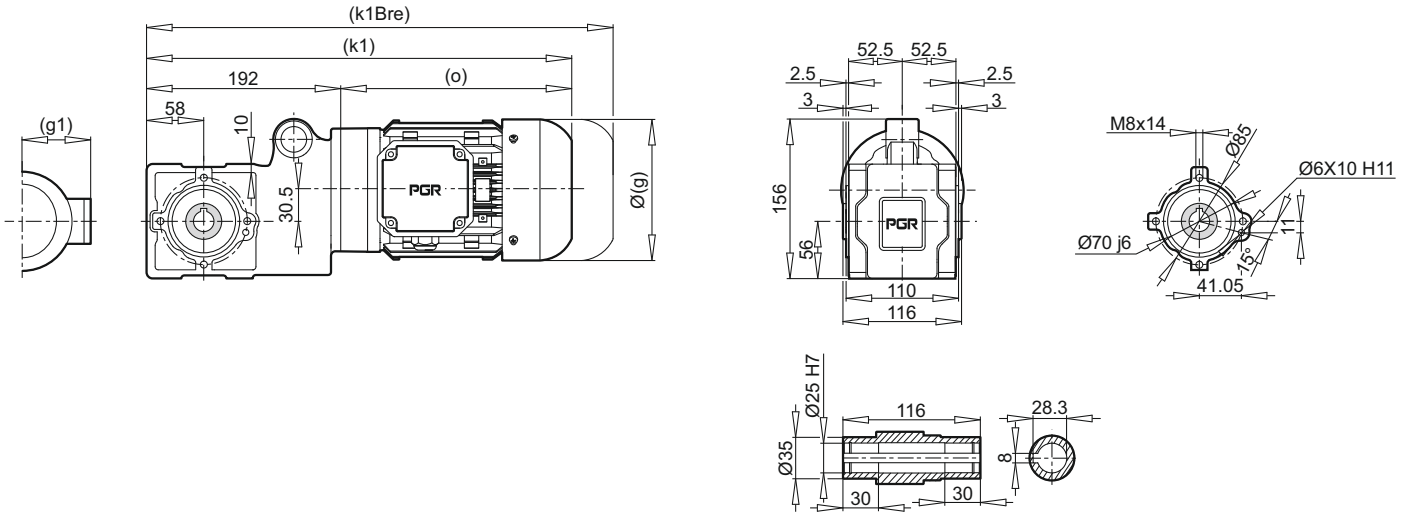


	63 M	71 M	80 M	90 S	90 L
<b>g</b>	124	140	159	193	193
<b>g1</b>	111	119	127	151	151
<b>k/ k1</b>	388/390	417/419	444/446	470/472	490/492
<b>kBre/ k1Bre</b>	440/442	477/479	506/508	543/545	563/565
<b>o</b>	198	227	254	280	300

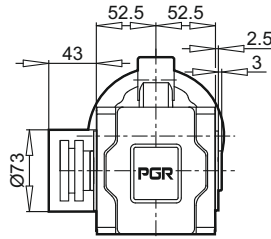
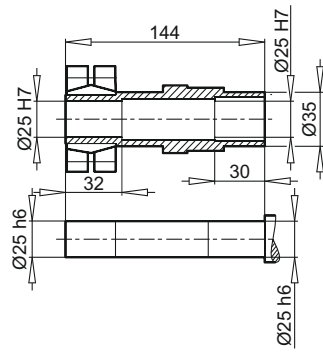
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



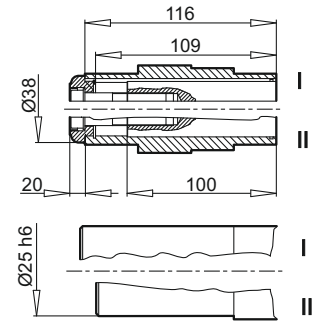
**PKD A 0290 DG / B14 ...**



**PKD A 0290 DG / KS ...**



**PKD A 0290 DG / Ç ...**



68 - 69

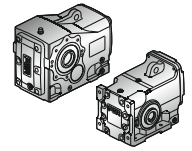
Konik sıkırtırma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 25/34	90	4.19	3.28	M5x25	6	7

	63 M	71 M	80 M	90 S	90 L			
<b>g</b>	124	140	159	193	193			
<b>g1</b>	111	119	127	151	151			
<b>k1</b>	390	419	446	472	492			
<b>k1Bre</b>	442	479	508	545	565			
<b>o</b>	198	227	254	280	300			

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

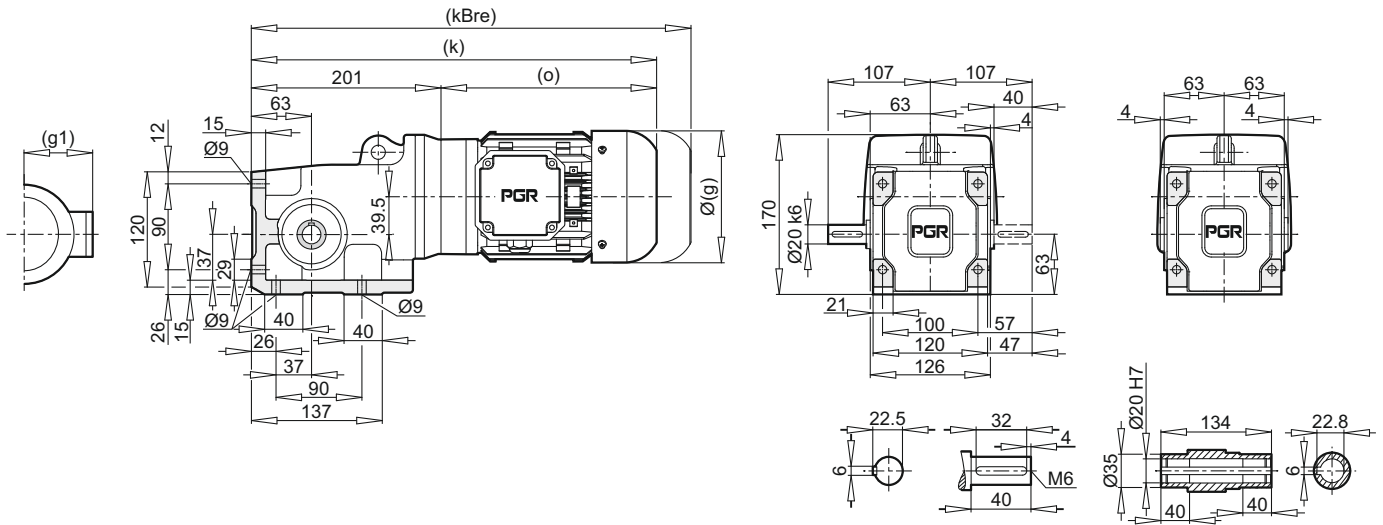


# PKD B 0290



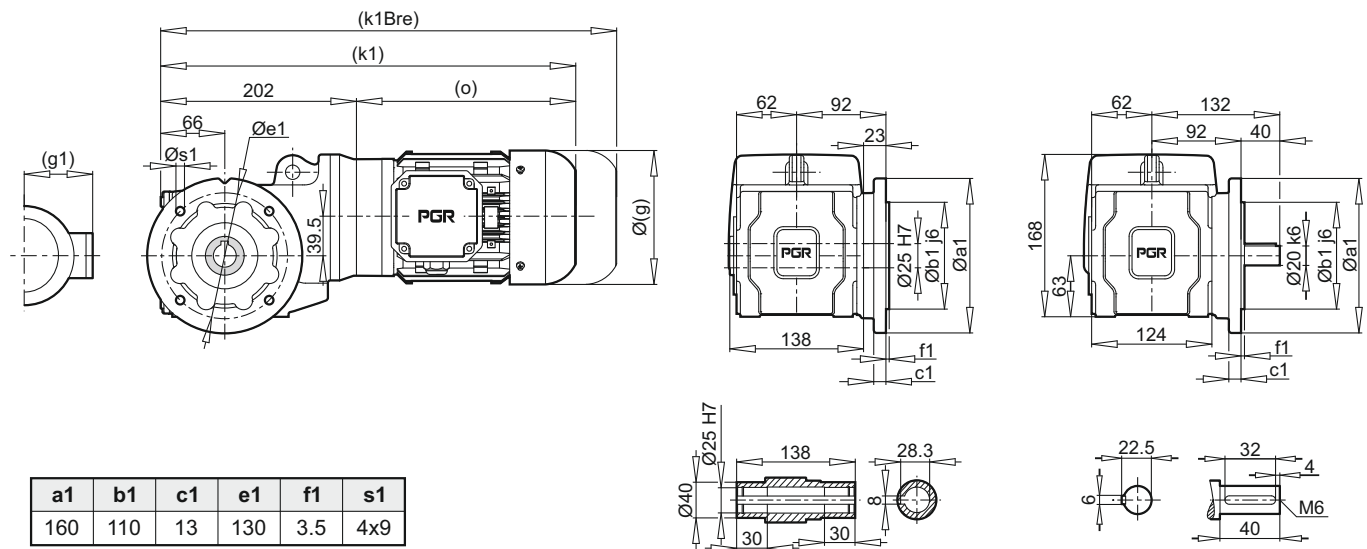
## PKD B 0290 TMA ...

## PKD B 0290 DA ...

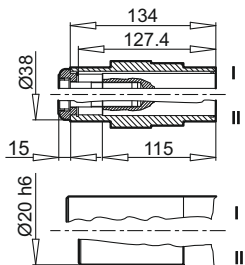


## PKD B 0290 DG / B5 ...

## PKD B 0290 TMG / B5 ...

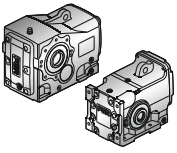


## PKD B 0290 DA / Ç ... 68 - 69

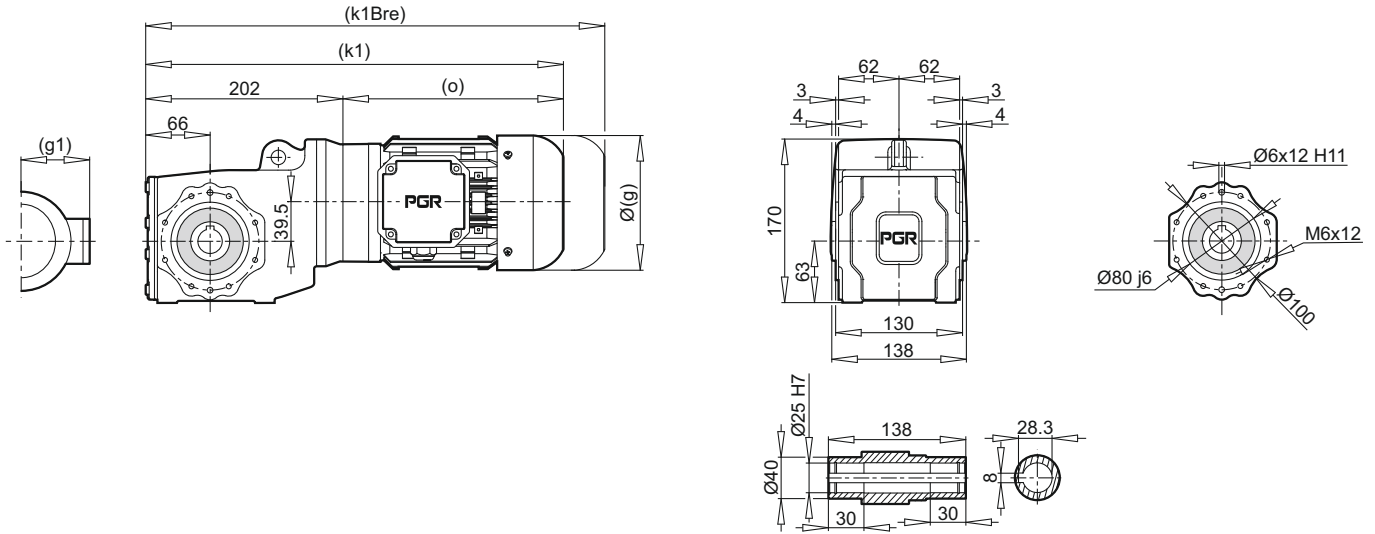


	63 M	71 M	80 M	90 S	90 L		
<b>g</b>	124	140	159	193	193		
<b>g1</b>	111	119	127	151	151		
<b>k/ k1</b>	399/400	428/429	455/456	481/482	501/502		
<b>kBre/ k1Bre</b>	451/452	488/489	517/518	554/555	574/575		
<b>o</b>	198	227	254	280	300		

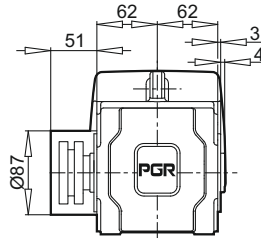
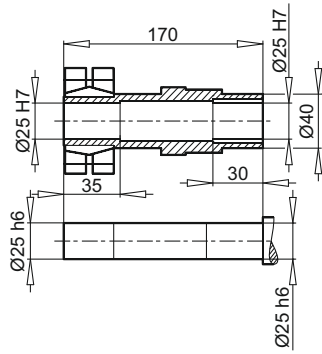
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



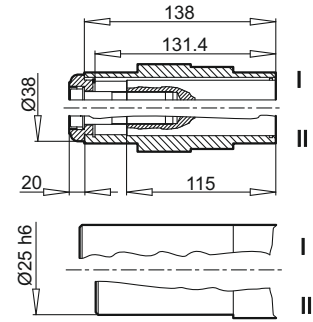
**PKD B 0290 DG / B14 ...**



**PKD B 0290 DG / KS ...**



**PKD B 0290 DG / Ç ...**



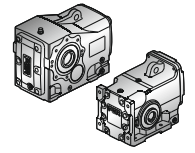
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 25/35	120	4.23	3.43	M5x25	8	7

	63 M	71 M	80 M	90 S	90 L		
<b>g</b>	124	140	159	193	193		
<b>g1</b>	111	119	127	151	151		
<b>k1</b>	400	429	456	482	502		
<b>k1Bre</b>	452	489	518	555	575		
<b>o</b>	198	227	254	280	300		

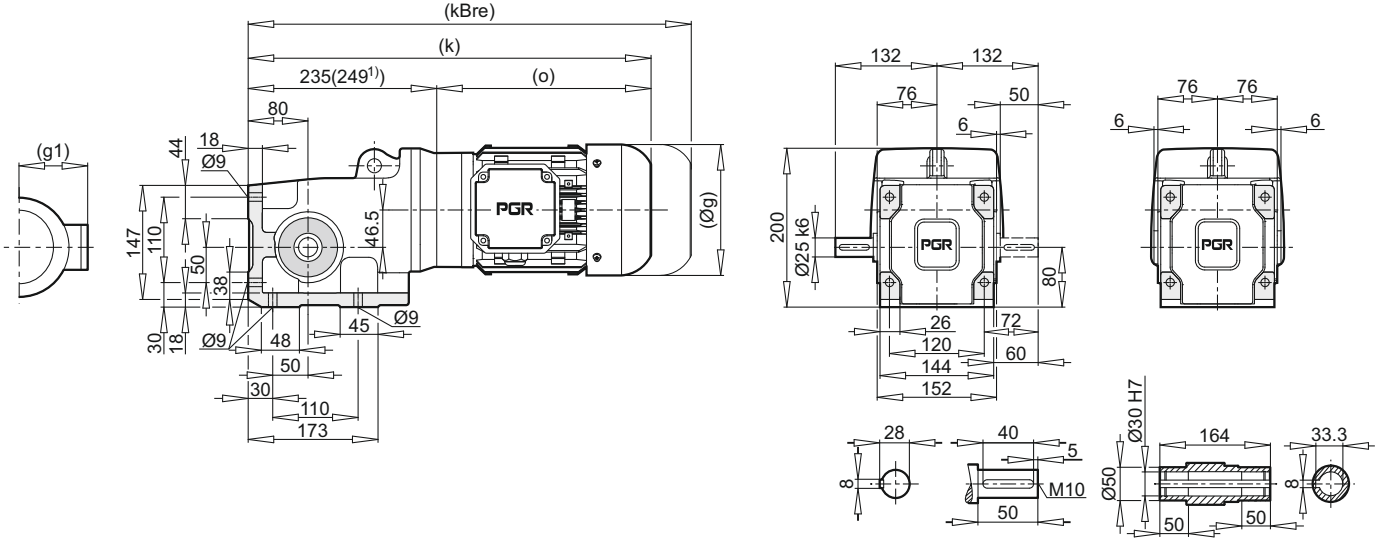
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD C 1290



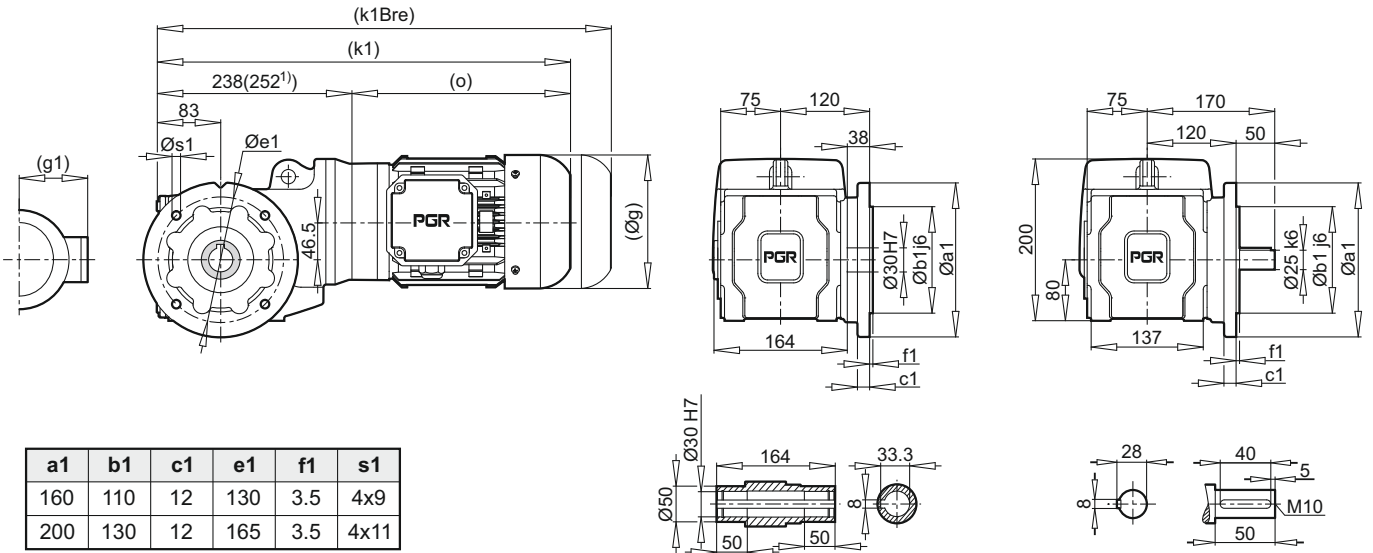
## PKD C 1290 TMA ...

## PKD C 1290 DA ...

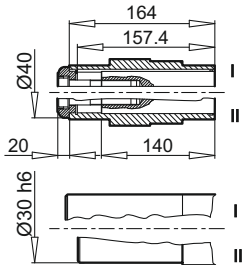


## PKD C 1290 DG / B5 ...

## PKD C 1290 TMG / B5 ...

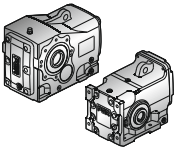


## PKD C 1290 DA / Ç ... 68 - 69

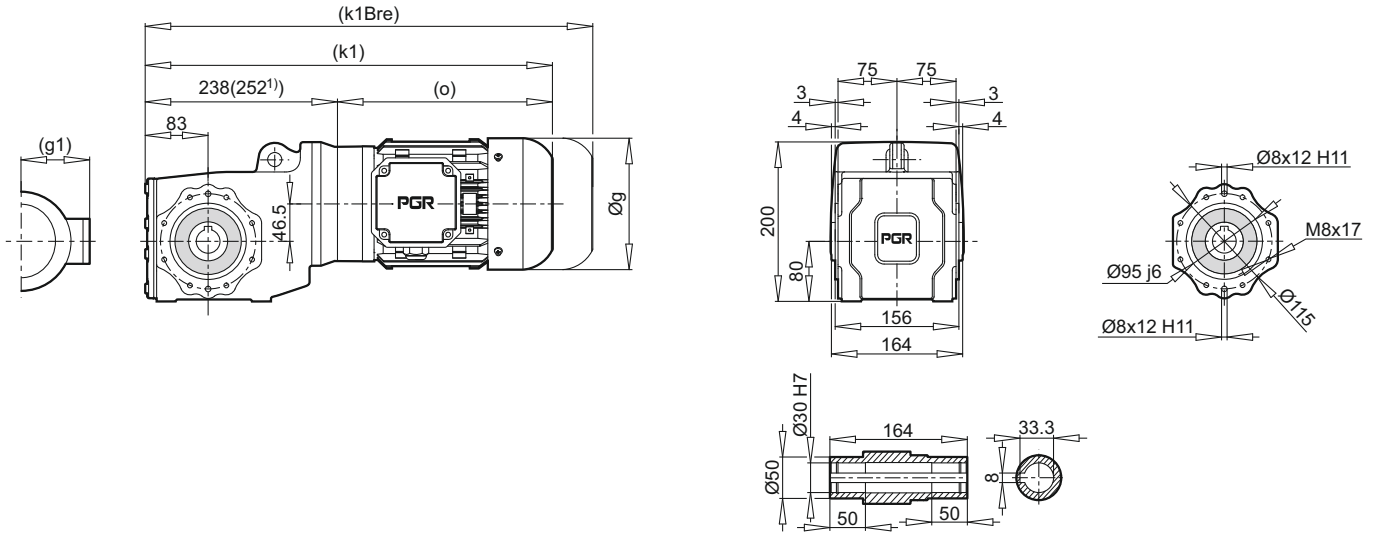


	63 M	71 M	80 M	90 S	90 L	100 L <sup>(1)</sup>
<b>g</b>	124	140	159	193	193	217
<b>g1</b>	111	119	127	151	151	160
<b>k/ k1</b>	433/436	462/465	489/492	529/532	549/552	560/563
<b>kBre/ k1Bre</b>	485/488	522/525	551/554	602/605	622/625	641/644
<b>o</b>	198	227	254	280	300	311

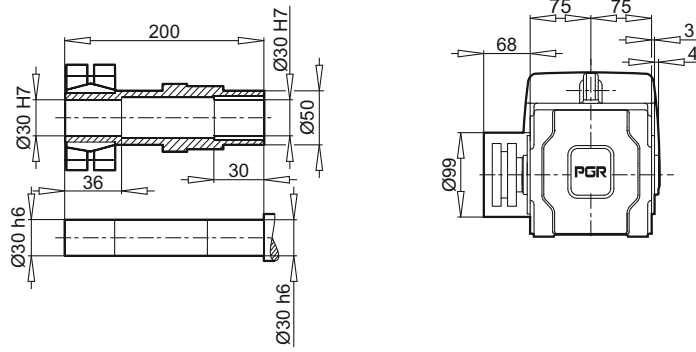
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



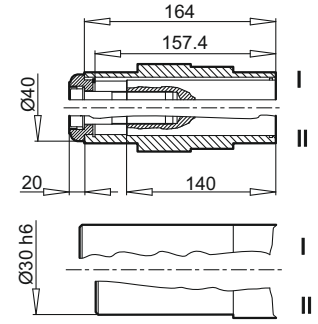
**PKD C 1290 DG / B14 ...**



**PKD C 1290 DG / KS ...**



**PKD C 1290 DG / Ç ...**



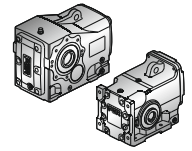
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 30/40	230	4.26	3.73	M6x35*	8	12

	63 M	71 M	80 M	90 S	90 L	100 L <sup>(1)</sup>		
<b>g</b>	124	140	159	193	193	217		
<b>g1</b>	111	119	127	151	151	160		
<b>k1</b>	436	465	492	532	552	563		
<b>k1Bre</b>	488	525	554	605	625	644		
<b>o</b>	198	227	254	280	300	311		

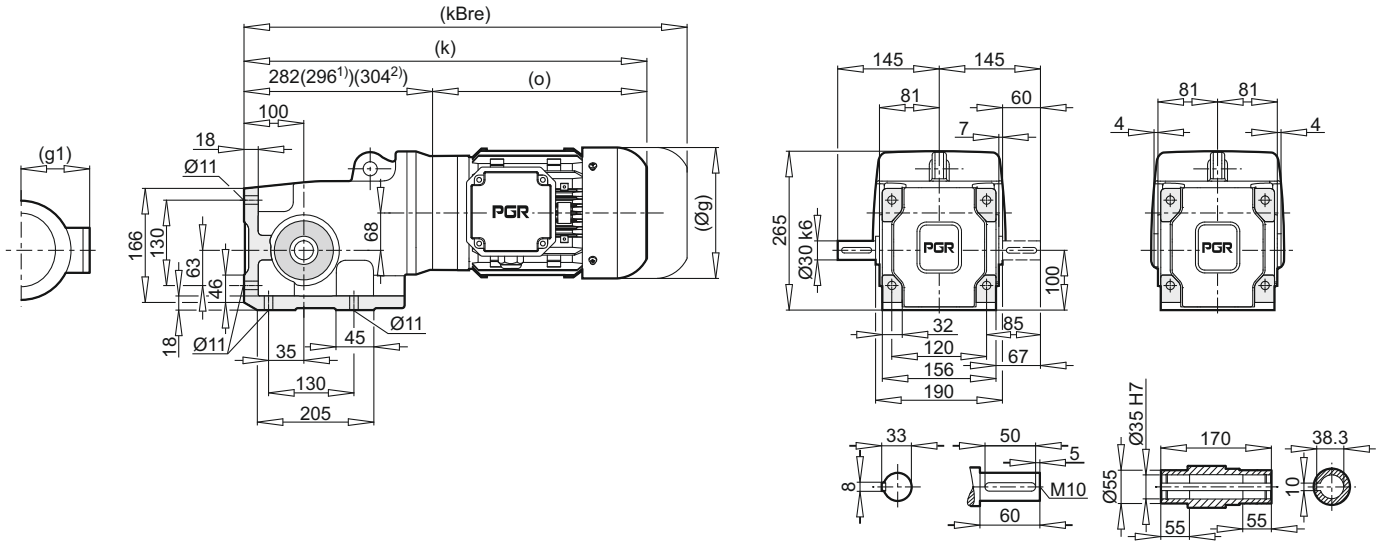
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD F 4290



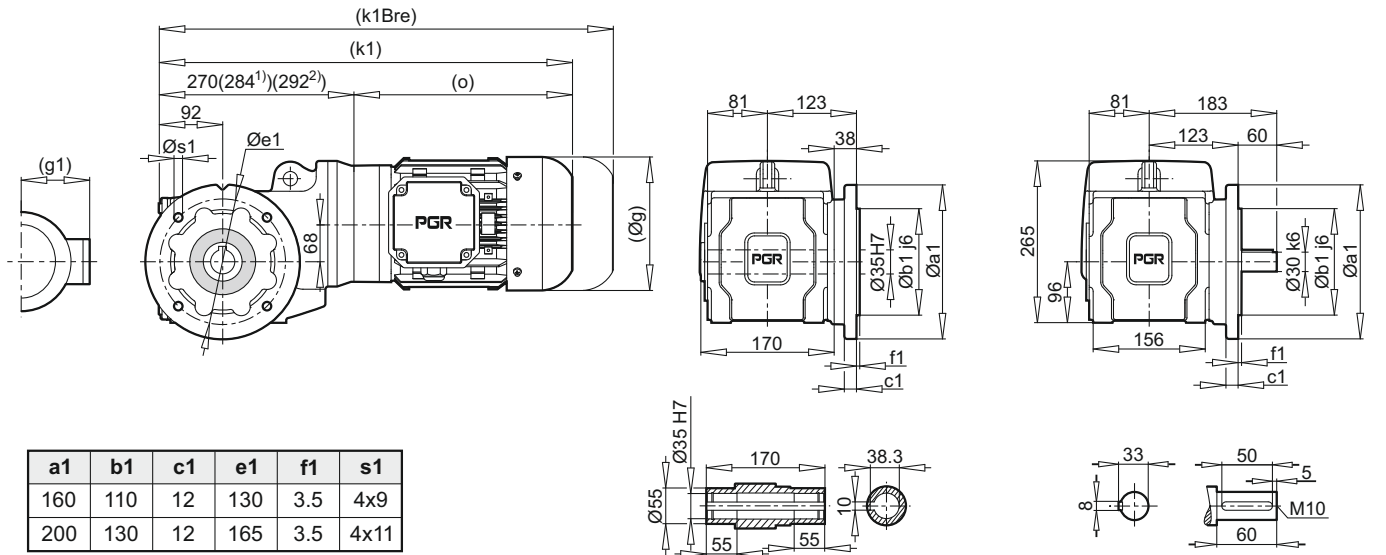
## PKD F 4290 TMA ...

## PKD F 4290 DA ...

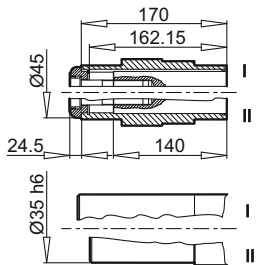


## PKD F 4290 DG / B5 ...

## PKD F 4290 TMG / B5 ...

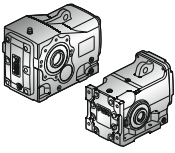


## PKD F 4290 DA / Ç ... 68 - 69

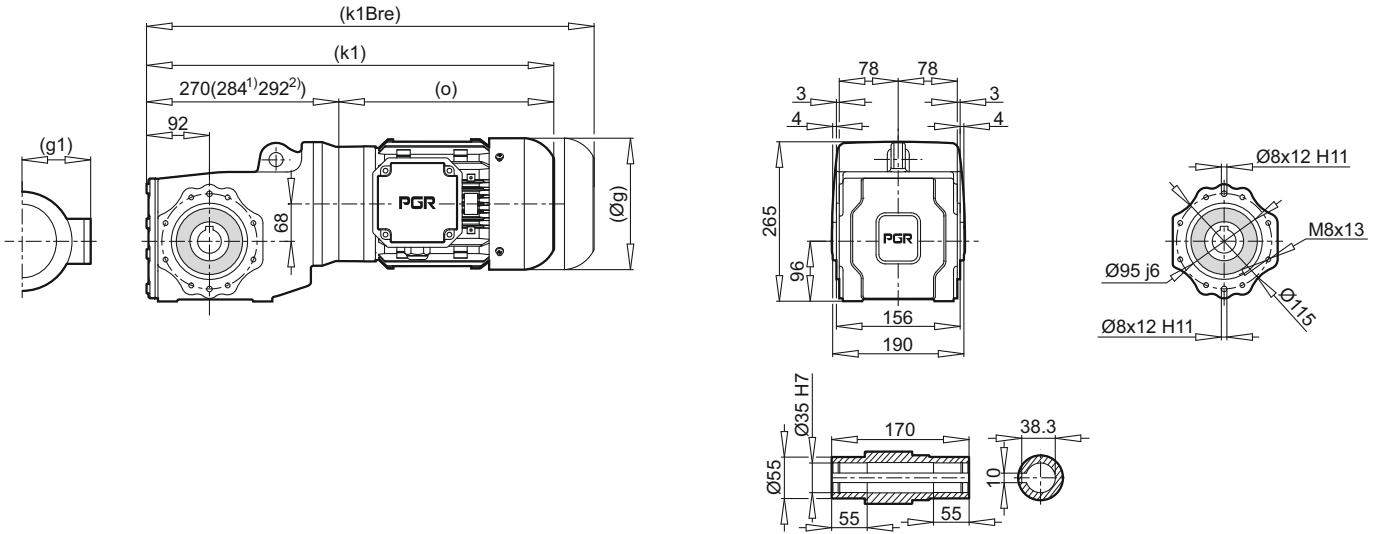


	63 M	71 M	80 M	90 S	90 L	100 L <sup>(1)</sup>	112 M <sup>(2)</sup>	132 S <sup>(2)</sup>	132 M <sup>(2)</sup>
<b>g</b>	124	140	159	193	193	217	232	279	279
<b>g1</b>	111	119	127	151	151	160	168	182	182
<b>k/ k1</b>	480/468	509/497	536/524	576/564	596/584	607/595	672/660	677/665	712/700
<b>kBre/ k1Bre</b>	532/520	569/557	598/586	649/637	669/657	688/676	752/740	785/773	853/841
<b>o</b>	198	227	254	280	300	311	368	373	408

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

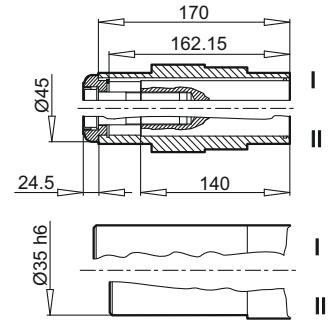
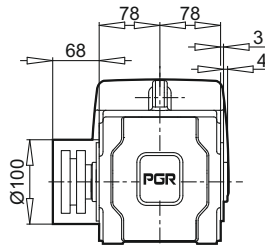
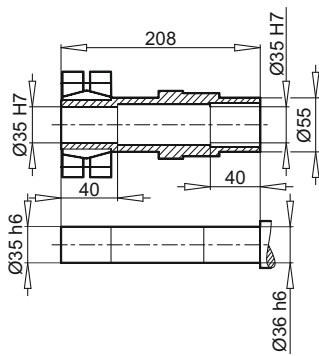


**PKD F 4290 DG / B14 ...**



**PKD F 4290 DG / KS ...**

**PKD F 4290 DG / Ç ...**



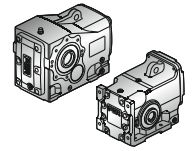
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 35/46	380	3.77	3.27	M6x35*	10	12

	63 M	71 M	80 M	90 S	90 L	100 L <sup>(1)</sup>	112 M <sup>(2)</sup>	132 S <sup>(2)</sup>	132 M <sup>(2)</sup>
<b>g</b>	124	140	159	193	193	217	232	279	279
<b>g1</b>	111	119	127	151	151	160	168	182	182
<b>k1</b>	468	497	524	564	584	595	660	665	700
<b>k1Bre</b>	520	557	586	637	657	676	740	773	841
<b>o</b>	198	227	254	280	300	311	368	373	408

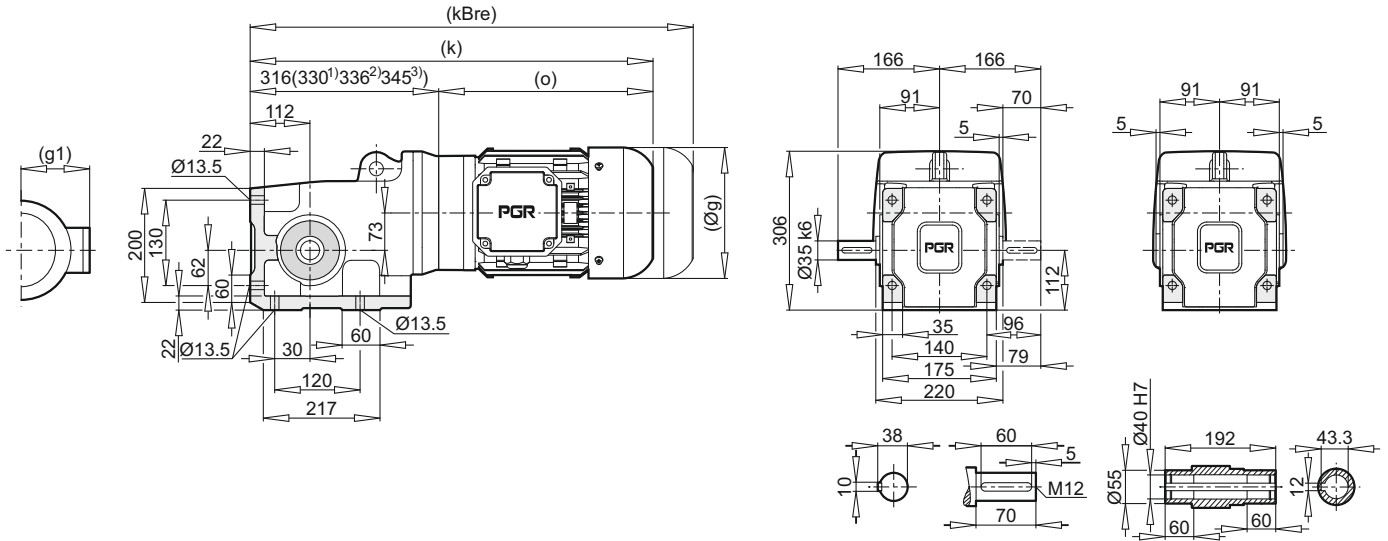
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD H 5290



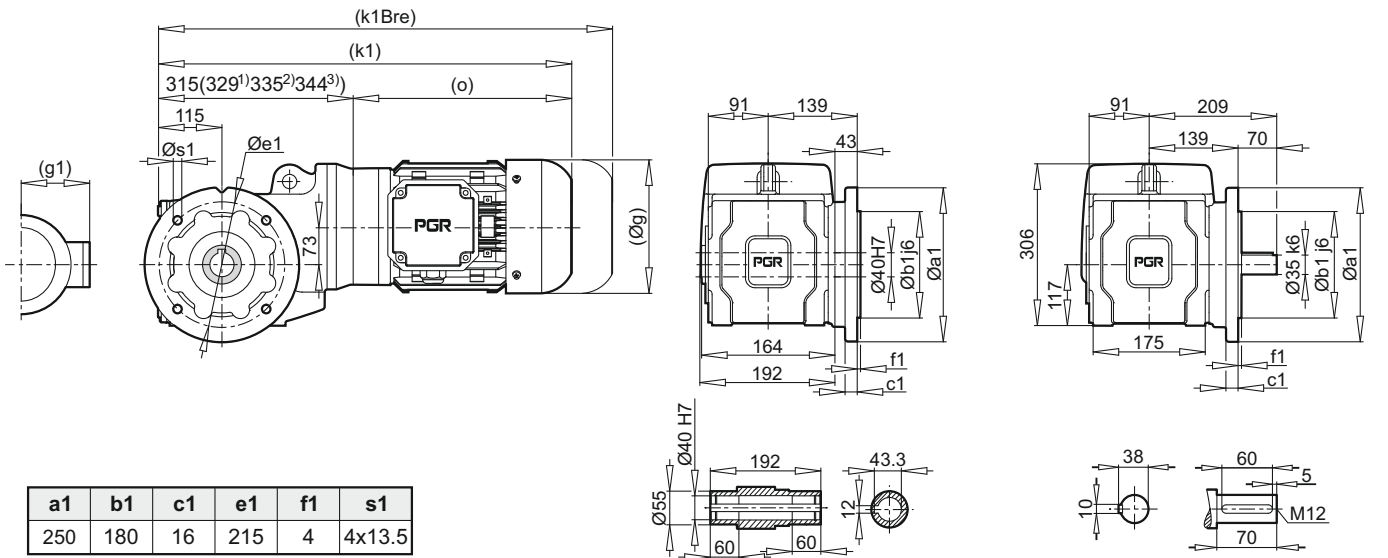
## PKD H 5290 TMA ...

## PKD H 5290 DA ...



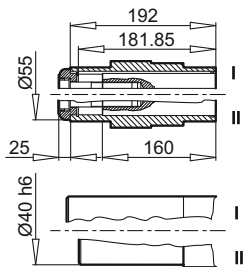
## PKD H 5290 DG / B5 ...

## PKD H 5290 TMG / B5 ...



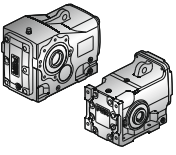
## PKD H 5290 DA / Ç ...

68 - 69

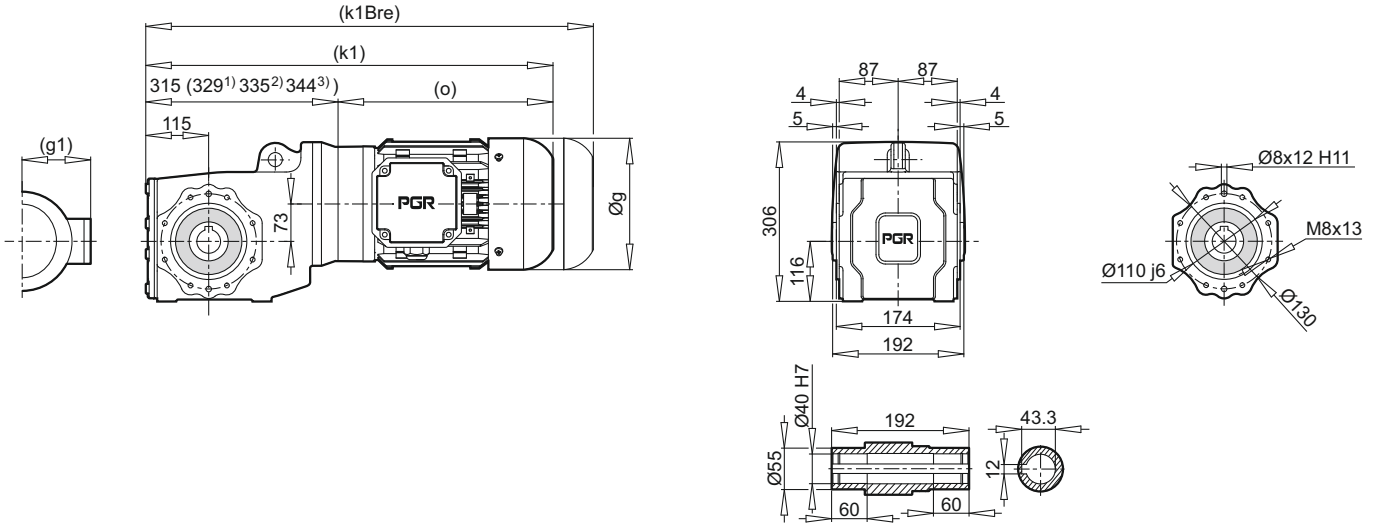


	80 M	90 S	90 L	100 L <sup>(1)</sup>	112 M <sup>(2)</sup>	132 S <sup>(3)</sup>	132 M <sup>(3)</sup>
<b>g</b>	159	193	193	217	232	279	279
<b>g1</b>	127	151	151	160	168	182	182
<b>k/ k1</b>	570/569	610/609	630/629	641/640	706/705	718/717	753/752
<b>kBre/ k1Bre</b>	632/631	683/682	703/702	722/721	786/785	826/825	894/893
<b>o</b>	254	280	300	311	368	373	408

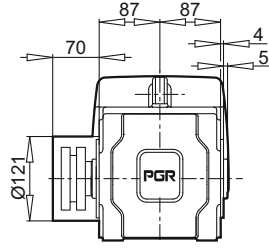
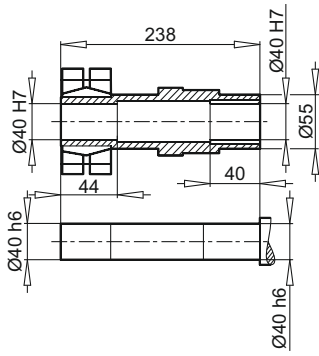
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



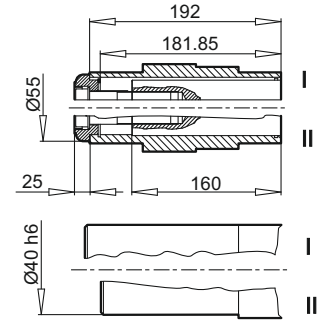
**PKD H 5290 DG / B14 ...**



**PKD H 5290 DG / KS ...**



**PKD H 5290 DG / Ç ...**



68 - 69

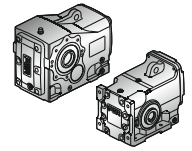
Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 40/55	660	3.53	3.09	M8x40	8	30

	80 M	90 S	90 L	100 L <sup>(1)</sup>	112 M <sup>(2)</sup>	132 S <sup>(3)</sup>	132 M <sup>(3)</sup>
<b>g</b>	159	193	193	217	232	279	279
<b>g1</b>	127	151	151	160	168	182	182
<b>k1</b>	569	609	629	640	705	717	752
<b>k1Bre</b>	631	682	702	721	785	825	893
<b>o</b>	254	280	300	311	368	373	408

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

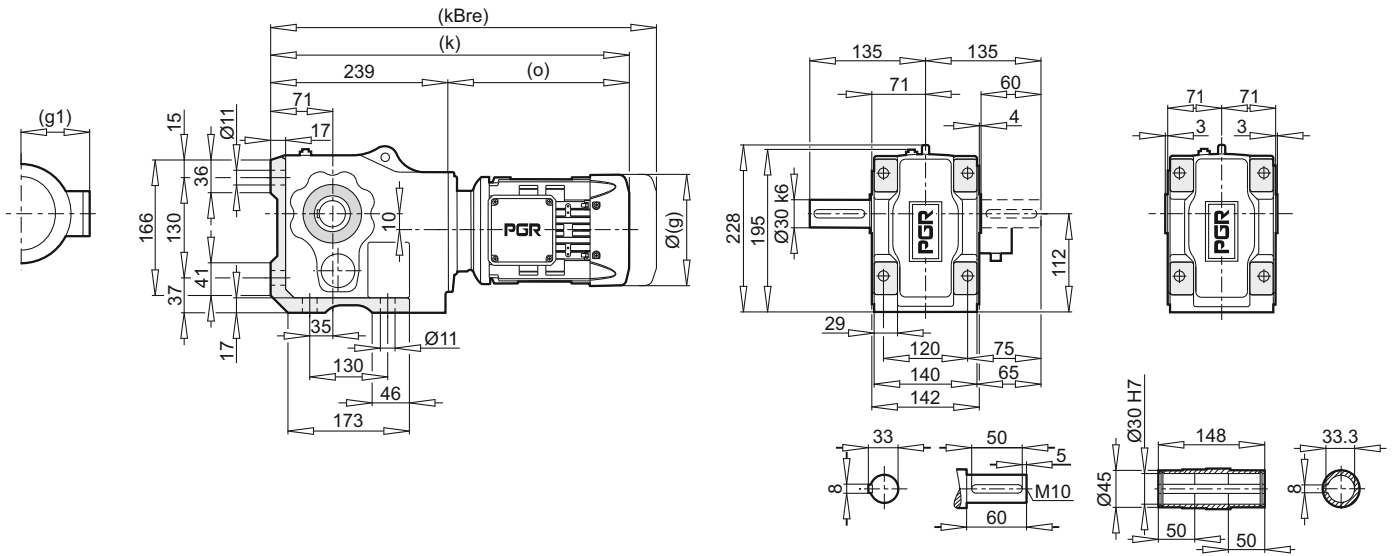


# PKD 1390



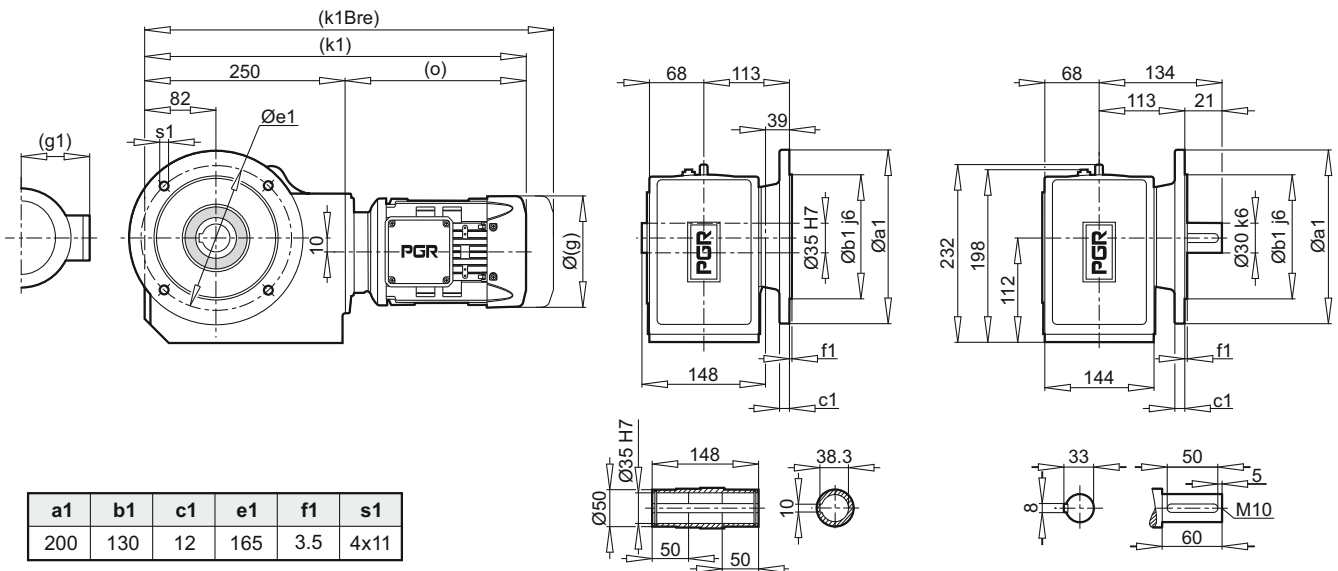
## PKD 1390 TMA ...

## PKD 1390 DA ...

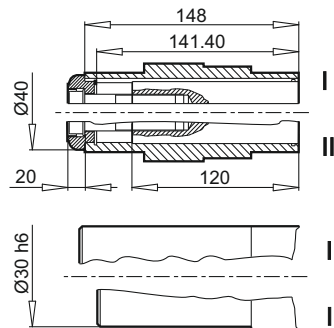


## PKD 1390 DG / B5 ...

## PKD 1390 TMG / B5 ...

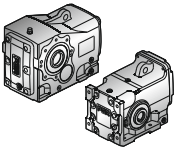


## PKD 1390 DA / Ç ... 68 - 69

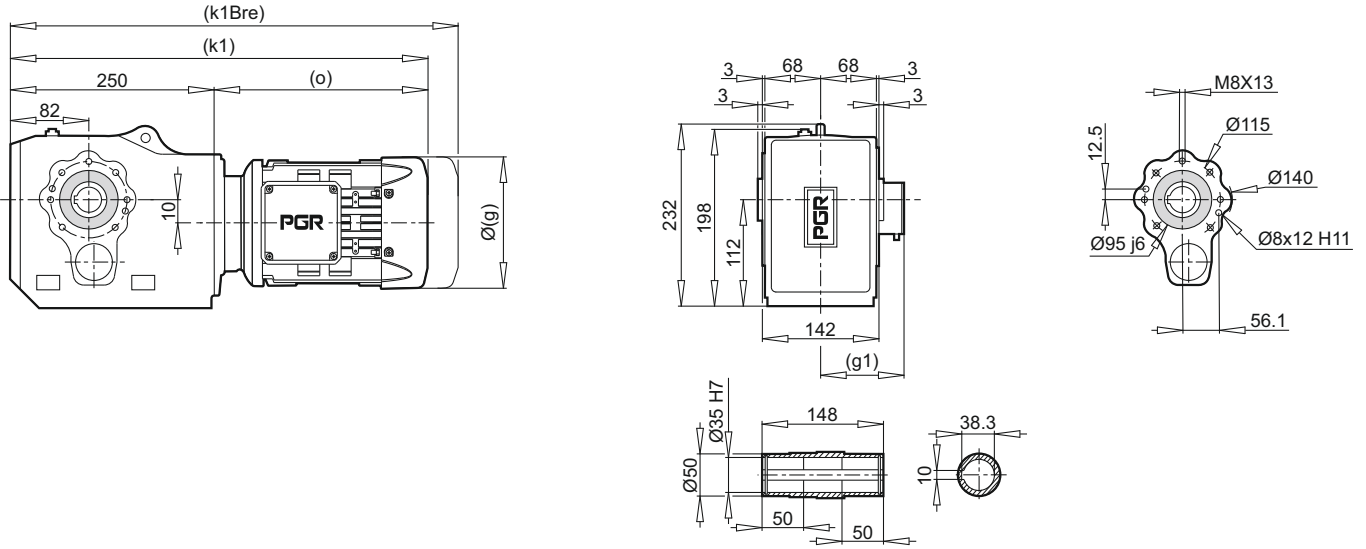


	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k</b>	437	479	506	529/549	577	622		
<b>kBre</b>	489	539	568	602/622	658	702		
<b>o</b>	198	240	267	290/310	338	383		

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



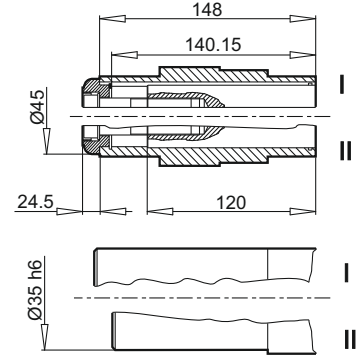
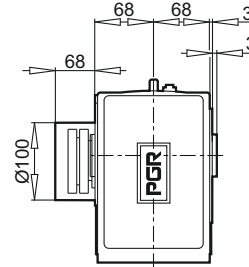
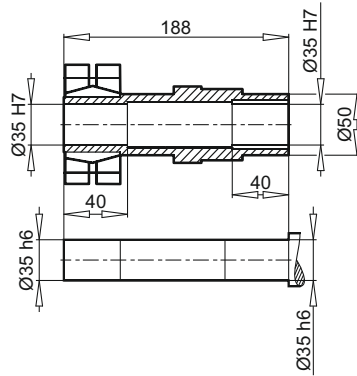
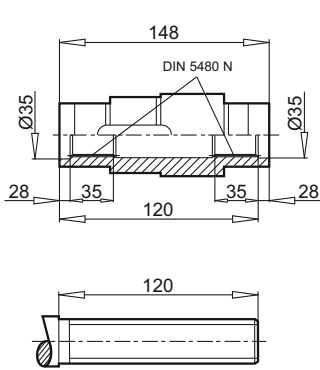
**PKD 1390 DG / B14 ...**



**PKD 1390 DG / DIN 5480 ...**

**PKD 1390 DG / KS ...**

**PKD 1390 DG / Ç ...**



N30 x 1.25 x 30 x 22 x 9H

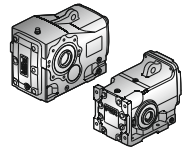
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Z <sub>s</sub>	MA (Nm)
KS 35/46	400	3.58	3.11	M6x35*	10	12

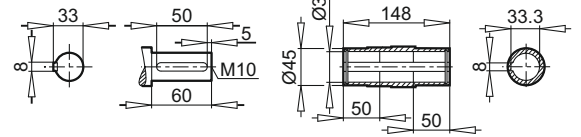
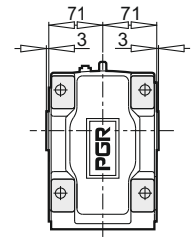
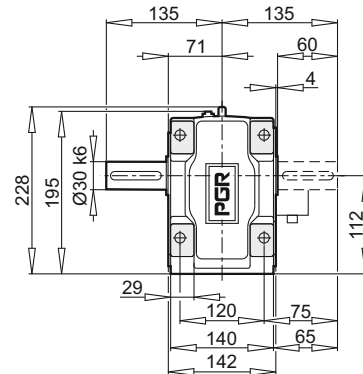
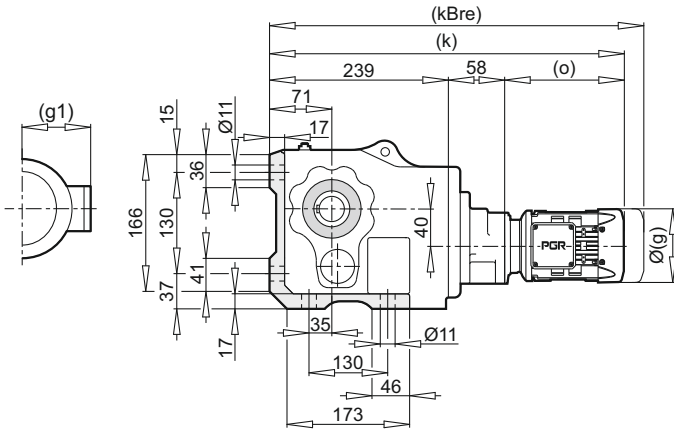
	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k1</b>	448	490	517	540/560	588	633		
<b>k1Bre</b>	500	550	579	613/633	669	713		
<b>o</b>	198	240	267	290/310	338	383		

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

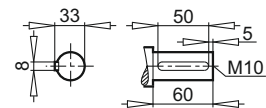
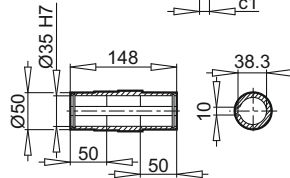
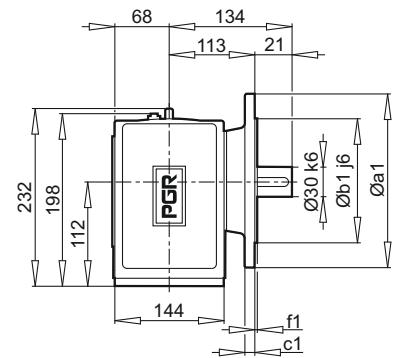
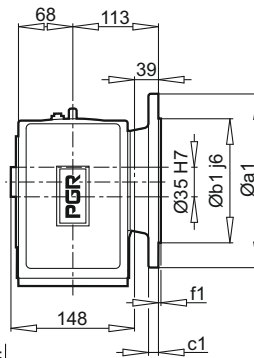
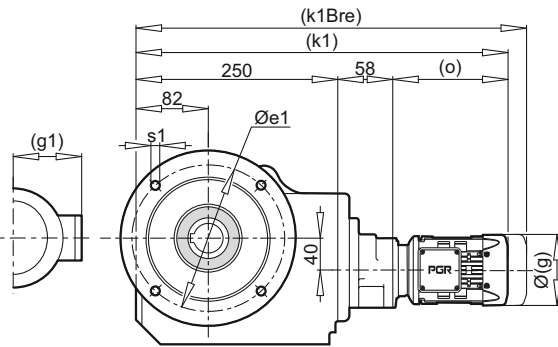
# PKD 1490



## PKD 1490 TMA ...



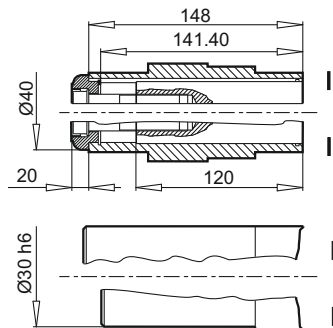
## PKD 1490 DG / B5 ...



a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4x11

## PKD 1490 TMG / B5 ...

## PKD 1490 DA / Ç ... 68 - 69

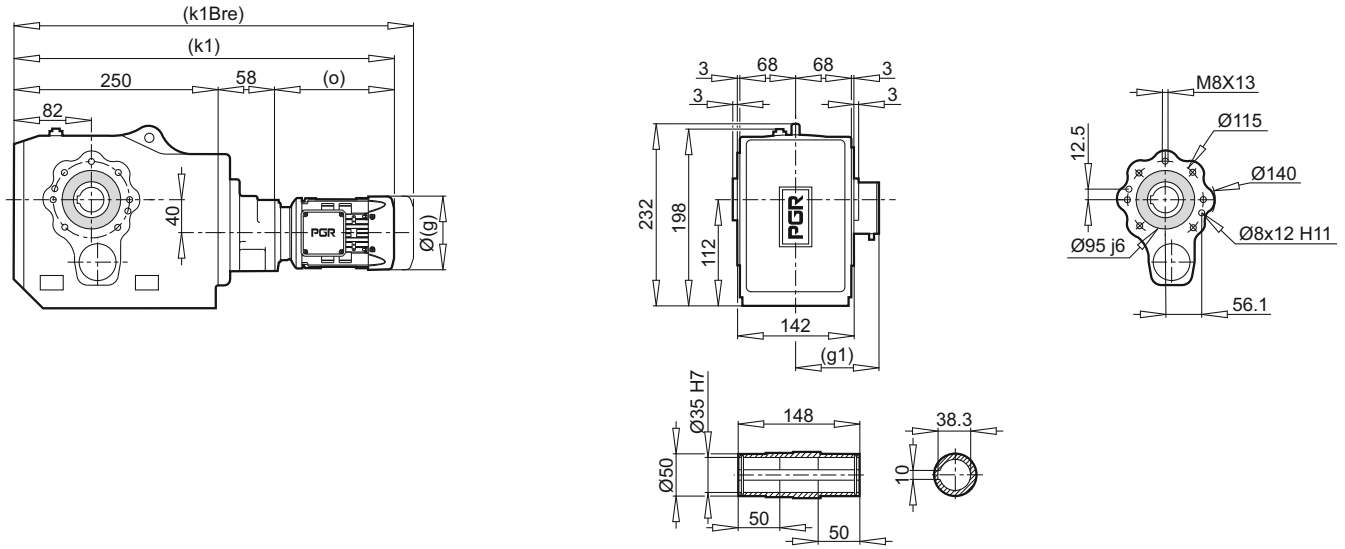


	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k</b>	495	537					
<b>kBre</b>	547	597					
<b>o</b>	198	240					

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



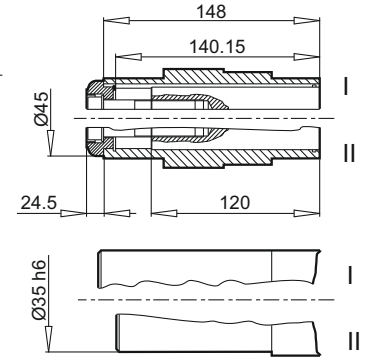
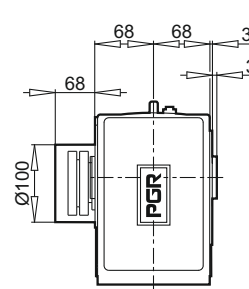
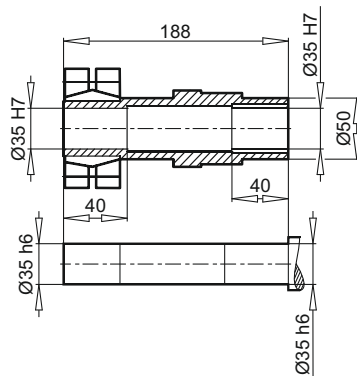
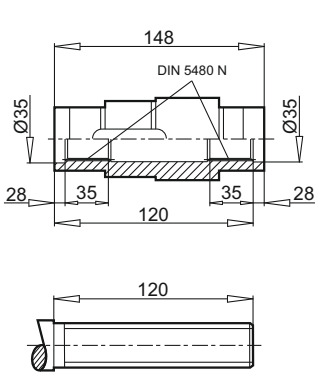
**PKD 1490 DG / B14 ...**



**PKD 1490 DG / DIN 5480 ...**

**PKD 1490 DG / KS ...**

**PKD 1490 DG / Ç ...**



N30 x 1.25 x 30 x 22 x 9H

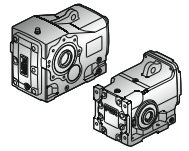
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 35/46	400	3.58	3.11	M6x35*	10	12

	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k1</b>	506	548					
<b>k1Bre</b>	558	608					
<b>o</b>	198	240					

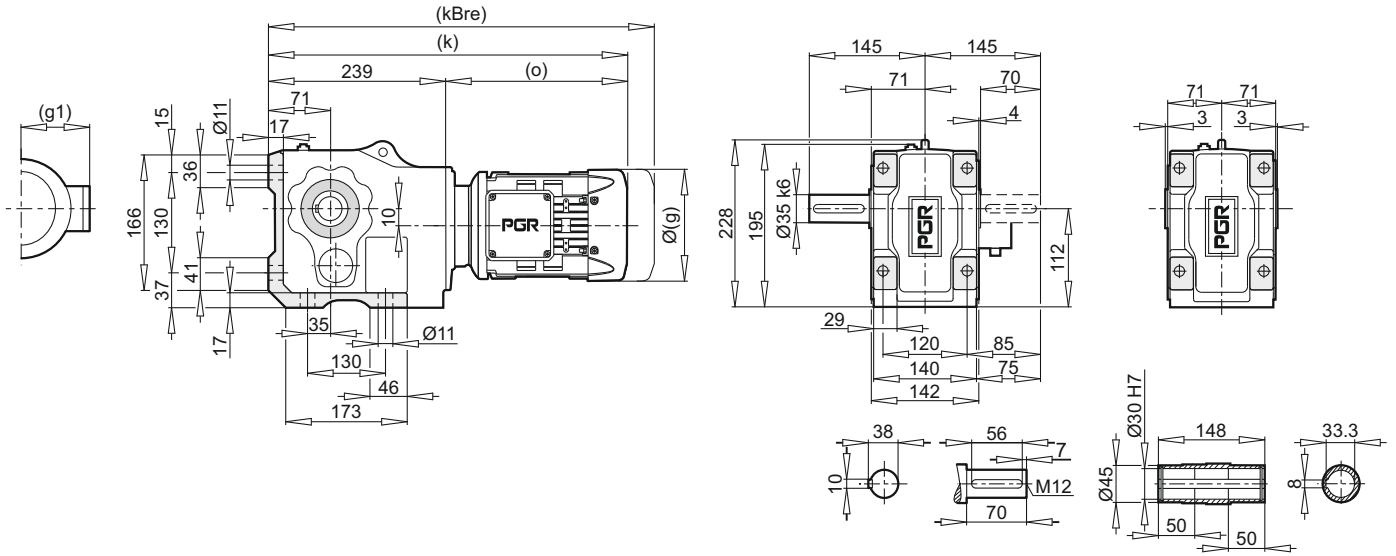
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD G 1390



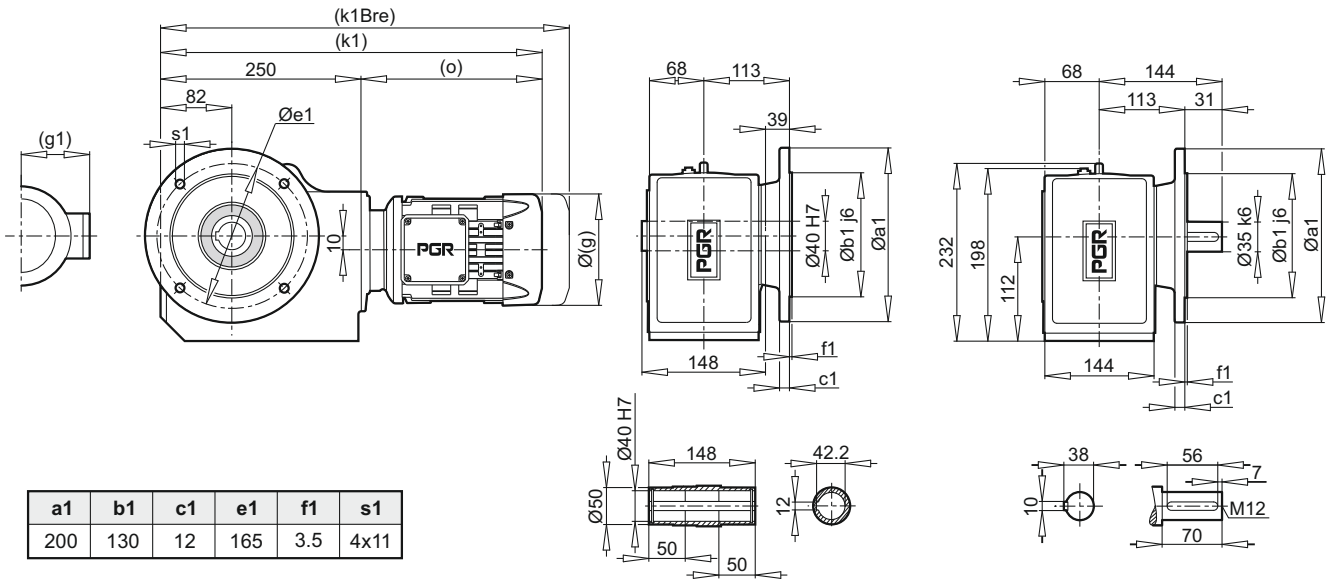
## PKD G 1390 TMA ...

## PKD G 1390 DA ...

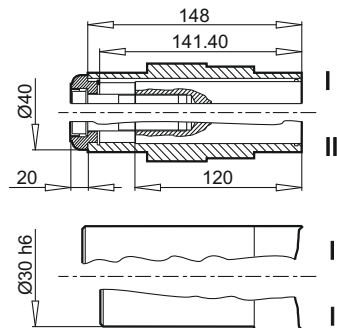


## PKD G 1390 DG / B5 ...

## PKD G 1390 TMG / B5 ...



## PKD G 1390 DA / Ç ... 68 - 69

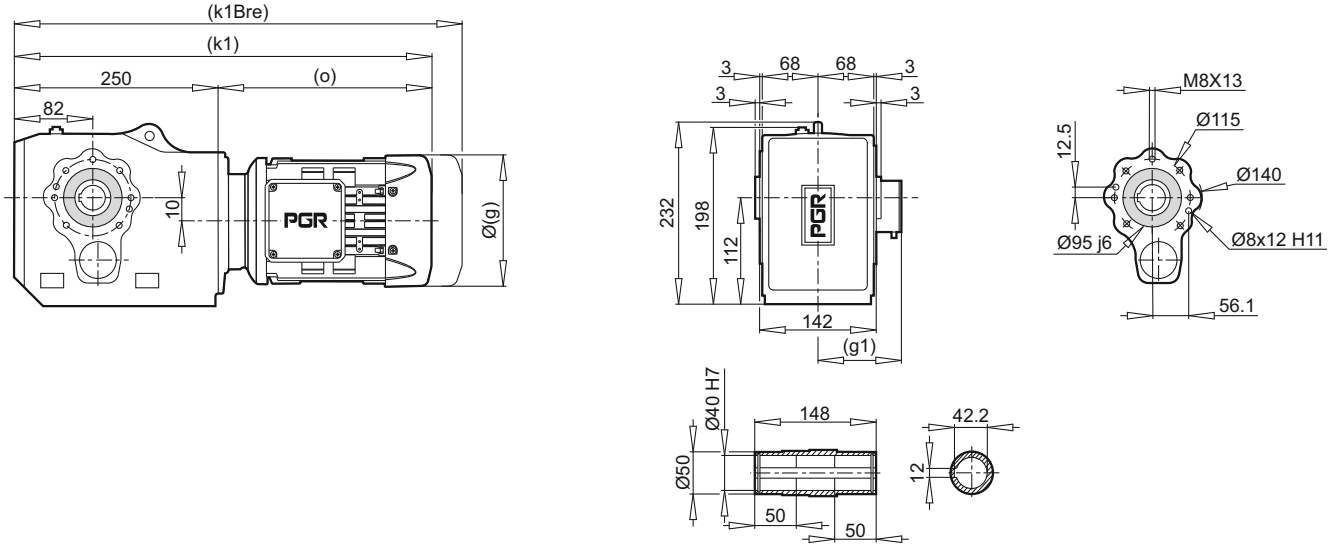


	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k</b>	437	479	506	529/549	577	622		
<b>kBre</b>	489	539	568	602/622	658	702		
<b>o</b>	198	240	267	290/310	338	383		

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



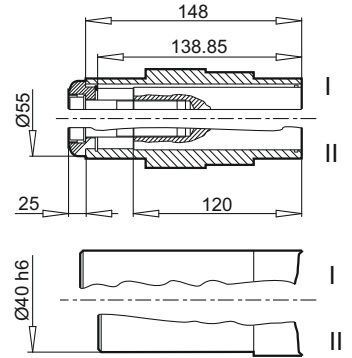
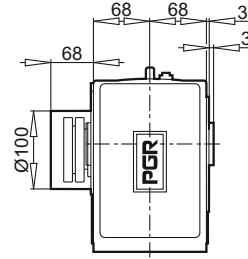
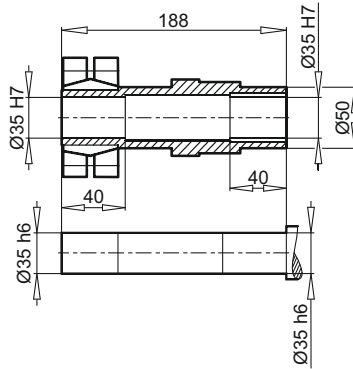
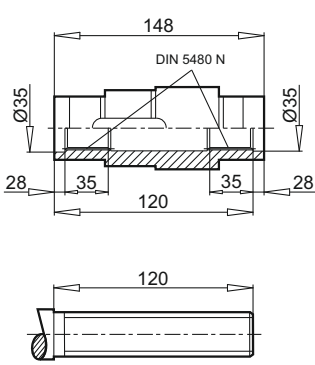
**PKD G 1390 DG / B14 ...**



**PKD G 1390 DG / DIN 5480 ...**

**PKD G 1390 DG / KS ...**

**PKD G 1390 DG / Ç ...**



N30 x 1.25 x 30 x 22 x 9H

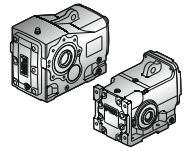
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 35/46	400	3.58	3.11	M6x35*	10	12

	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k1</b>	448	490	517	540/560	588	633		
<b>k1Bre</b>	500	550	579	613/633	669	713		
<b>o</b>	198	240	267	290/310	338	383		

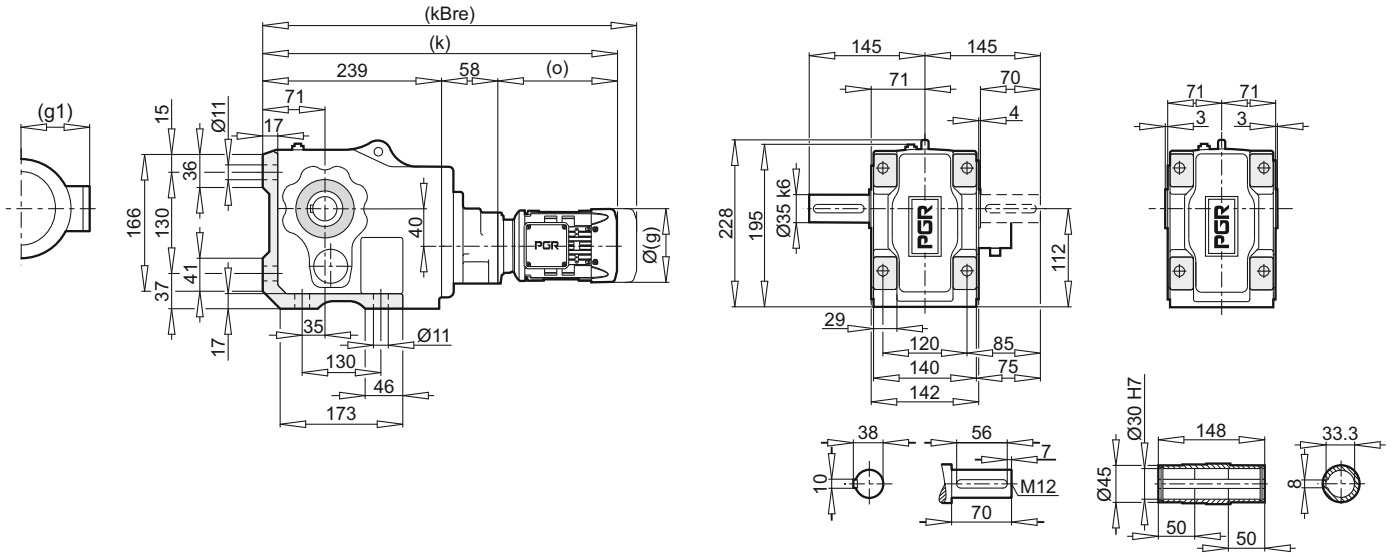
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD G 1490



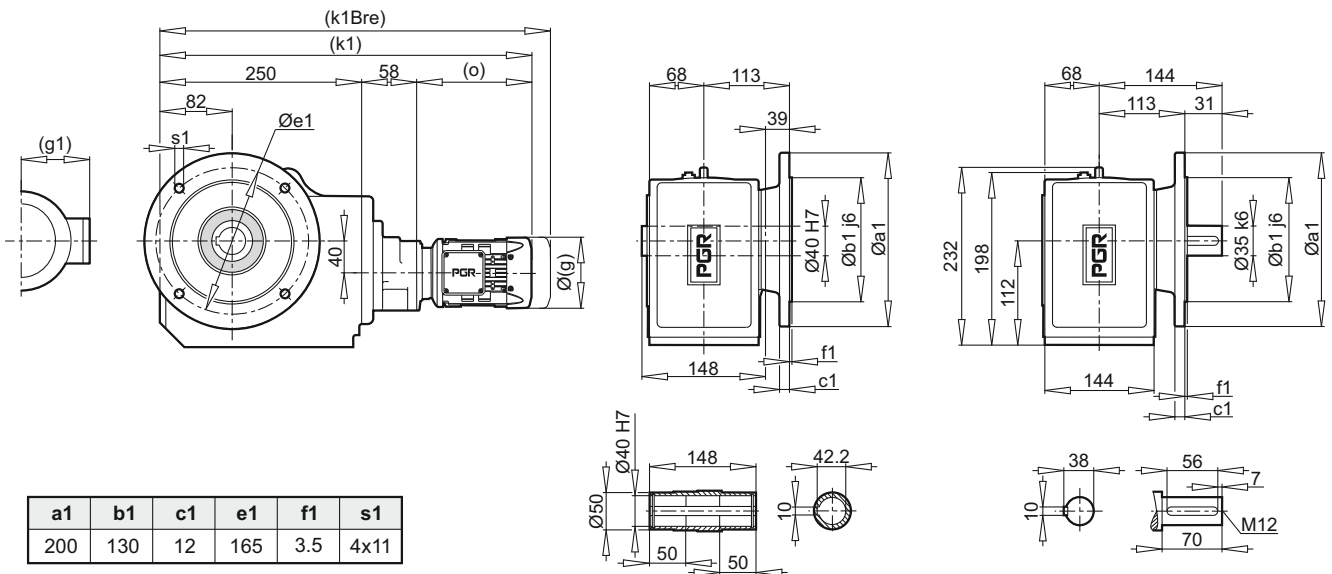
## PKD G 1490 TMA ...

## PKD G 1490 DA ...



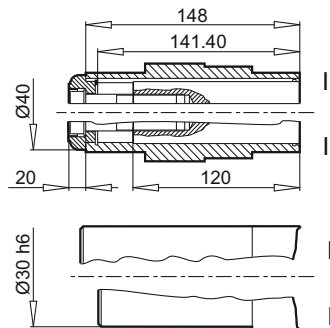
## PKD G 1490 DG / B5 ...

## PKD G 1490 TMG / B5 ...



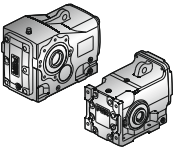
## PKD G 1490 DA / Ç ...

68 - 69

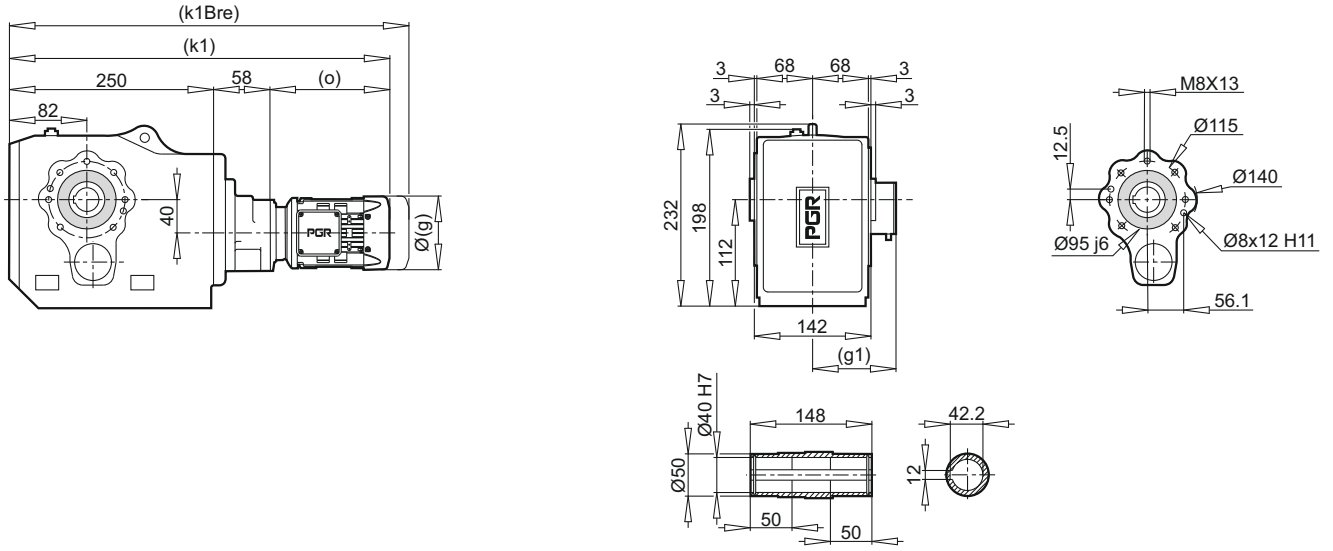


	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k</b>	495	537					
<b>kBre</b>	547	597					
<b>o</b>	198	240					

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



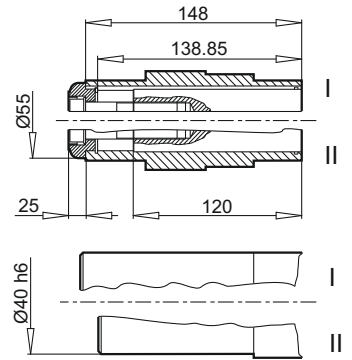
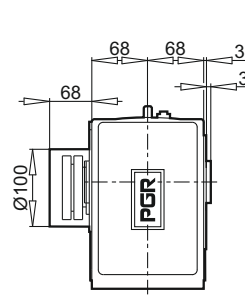
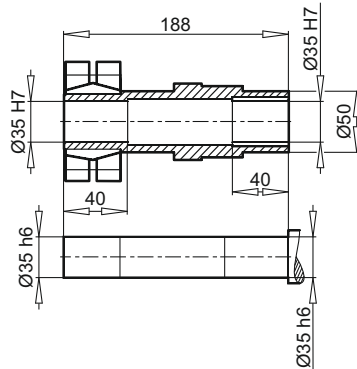
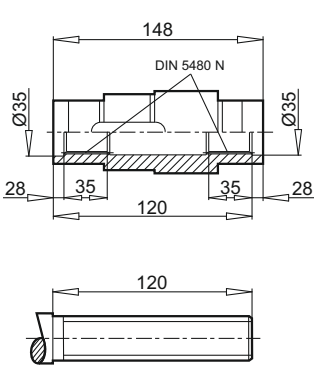
**PKD G 1490 DG / B14 ...**



**PKD G 1490 DG / DIN 5480 ...**

**PKD G 1490 DG / KS ...**

**PKD G 1490 DG / Ç ...**



N30 x 1.25 x 30 x 22 x 9H

68 - 69

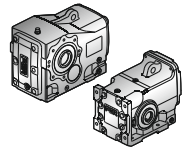
Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 35/46	400	3.58	3.11	M6x35*	10	12

	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k1</b>	506	548					
<b>k1Bre</b>	558	608					
<b>o</b>	198	240					

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

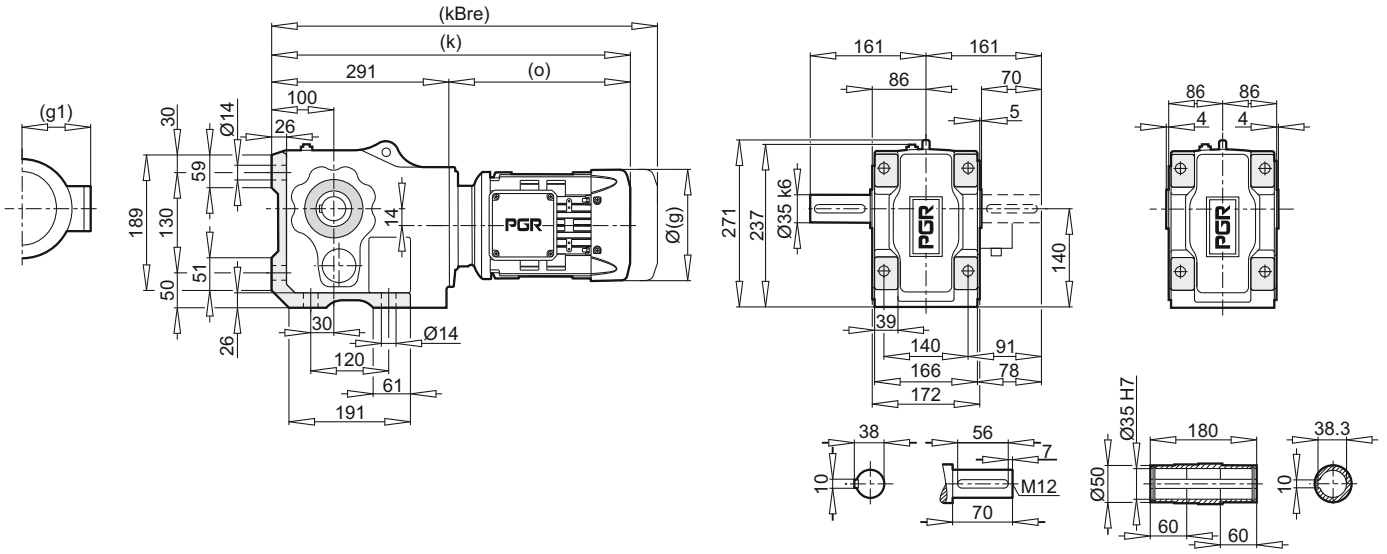


# PKD 2390



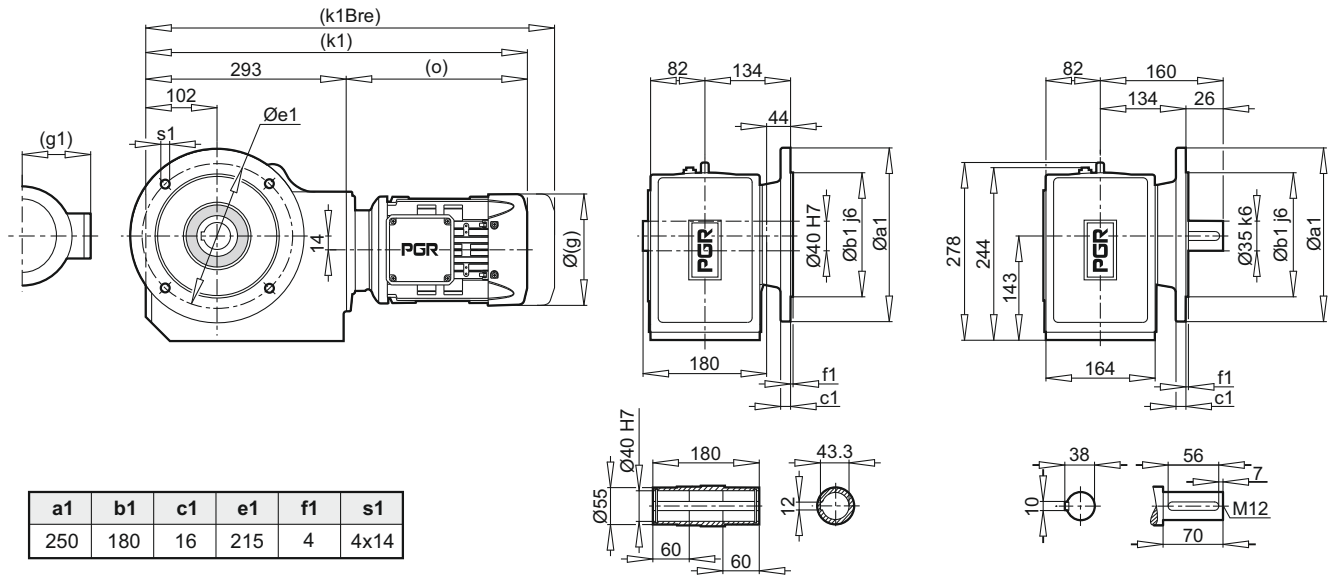
## PKD 2390 TMA ...

## PKD 2390 DA ...



## PKD 2390 DG / B5 ...

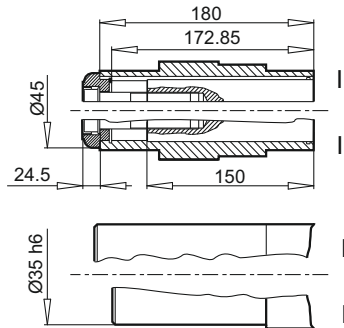
## PKD 2390 TMG / B5 ...



## PKD 2390 DA / Ç ...



68 - 69

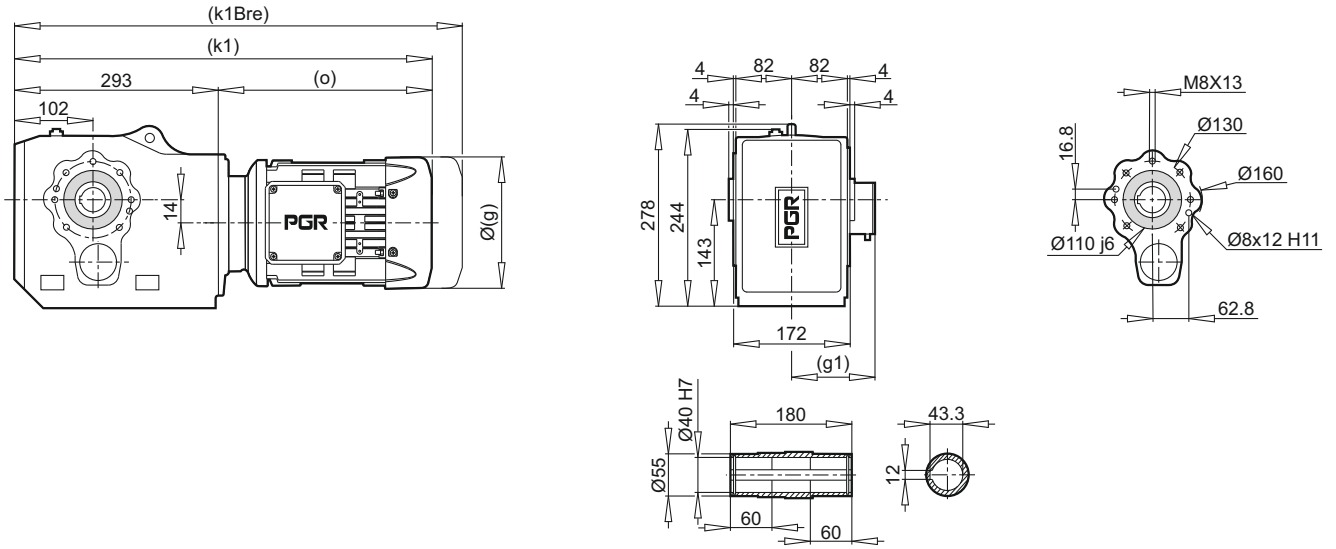


	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k</b>	489	531	558	581/601	629	674		
<b>kBre</b>	541	591	620	654/674	710	754		
<b>o</b>	198	240	267	290/310	338	383		

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



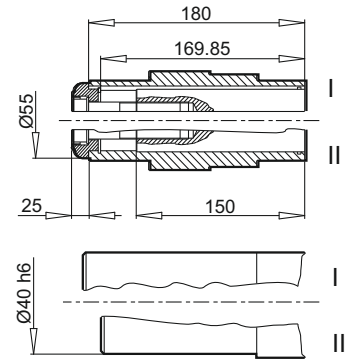
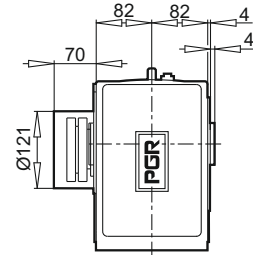
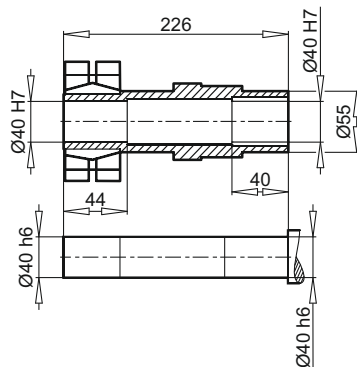
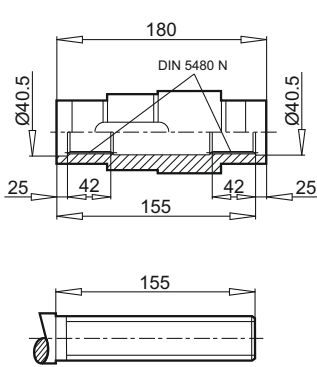
**PKD 2390 DG / B14 ...**



**PKD 2390 DG / DIN 5480 ...**

**PKD 2390 DG / KS ...**

**PKD 2390 DG / Ç ...**



N40 x 2 x 30 x 18 x 9H

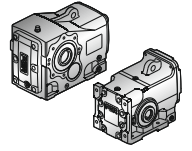
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 40/55	860	2.71	2.37	M8x40	8	30

	63 M	71 M	80 M	90 S/L	100 L	112 M		
<b>g</b>	124	140	159	193	217	232		
<b>g1</b>	111	119	127	151	160	168		
<b>k1</b>	491	533	560	583/603	631	676		
<b>k1Bre</b>	543	593	622	656/676	712	756		
<b>o</b>	198	240	267	290/310	338	383		

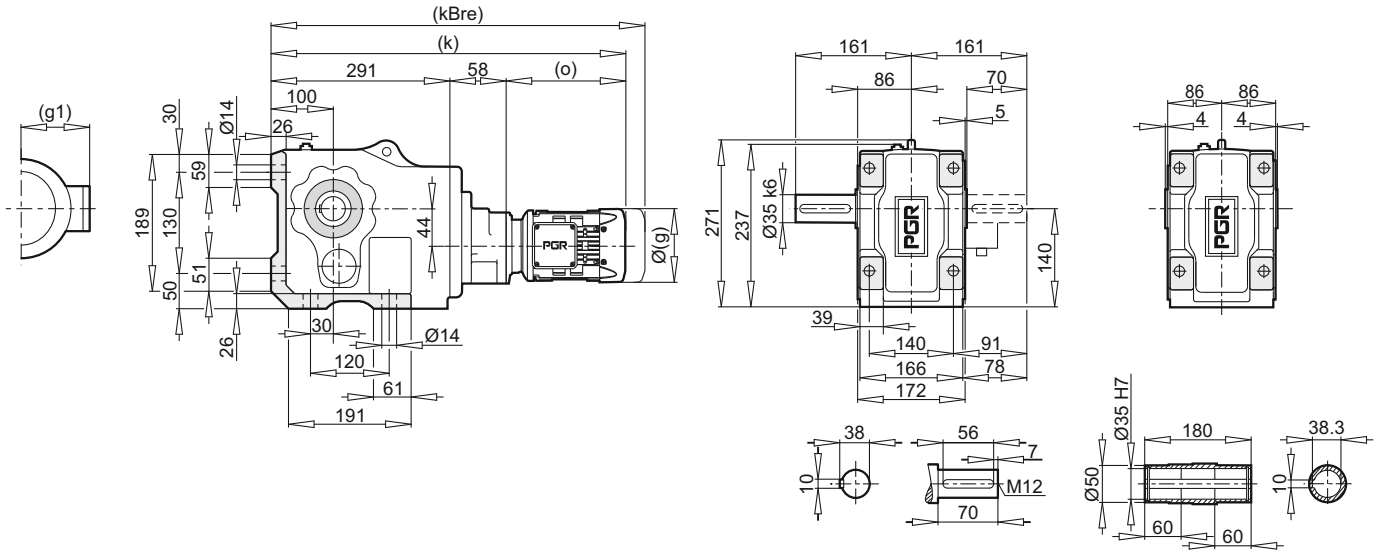
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 2490



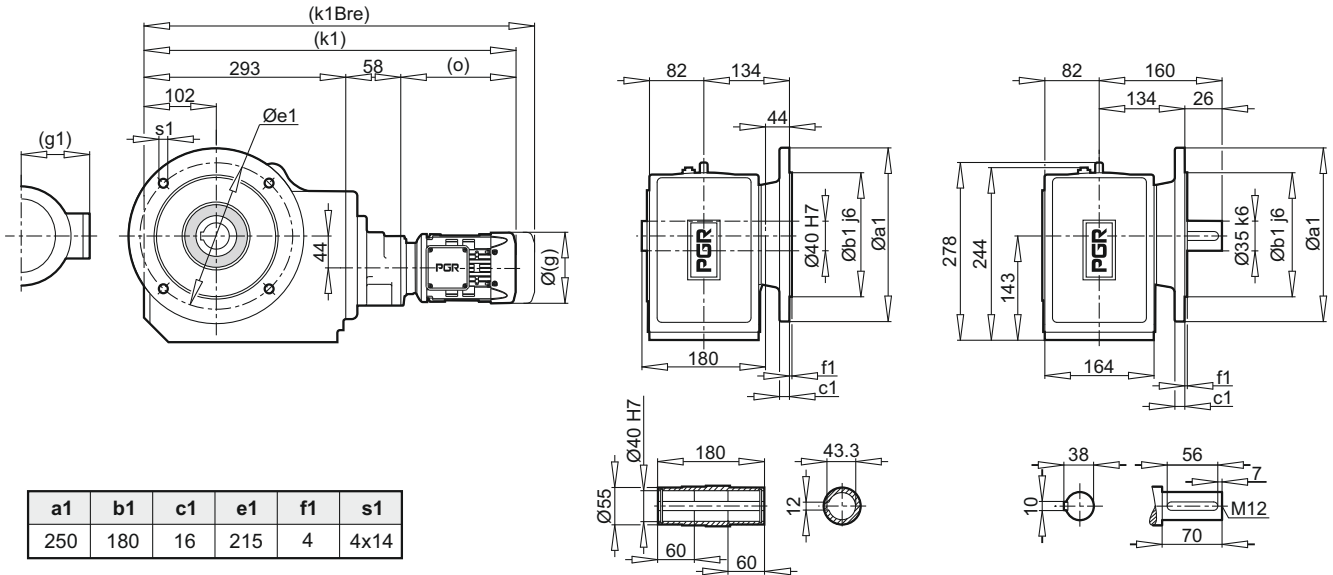
## PKD 2490 TMA ...

## PKD 2490 DA ...

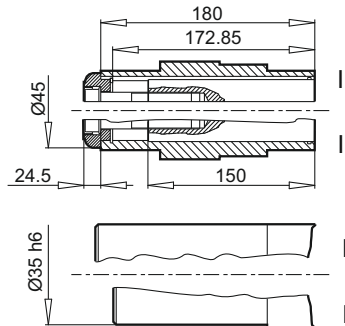


## PKD 2490 DG / B5 ...

## PKD 2490 TMG / B5 ...



## PKD 2490 DA / Ç ... 68 - 69

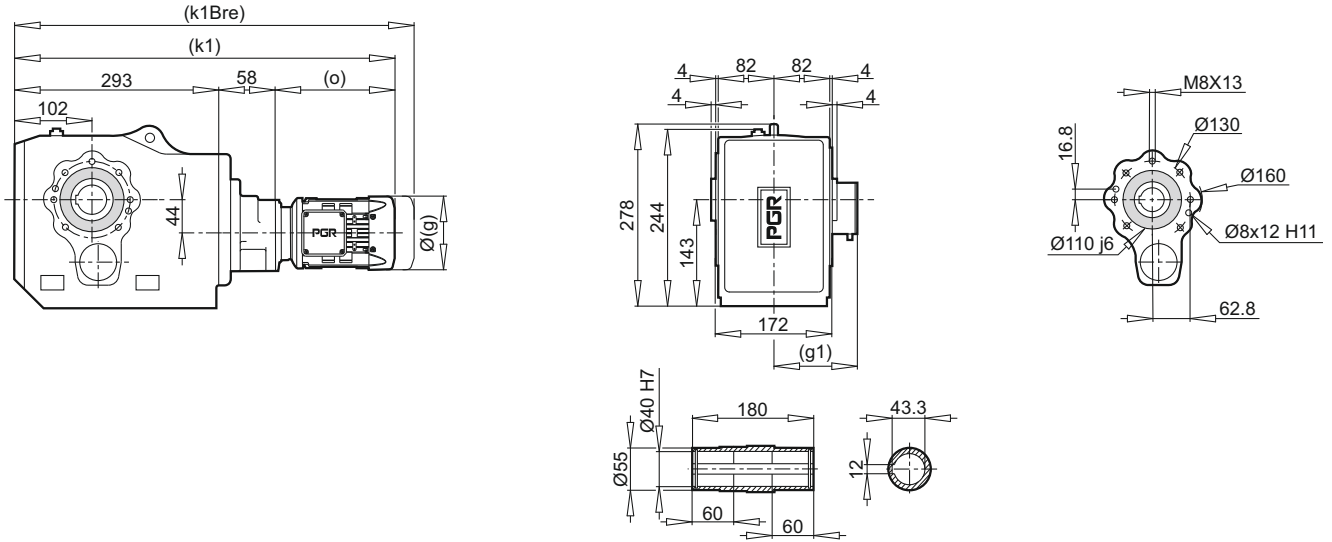


	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k</b>	547	589					
<b>kBre</b>	599	649					
<b>o</b>	198	240					

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



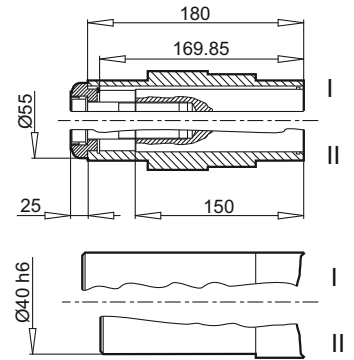
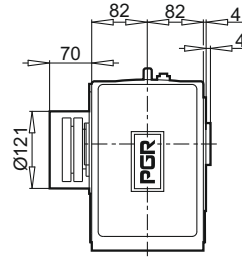
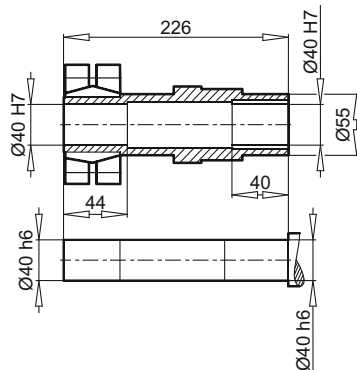
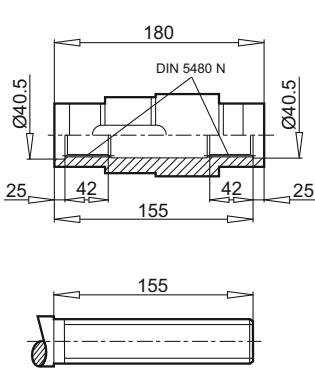
**PKD 2490 DG / B14 ...**



**PKD 2490 DG / DIN 5480 ...**

**PKD 2490 DG / KS ...**

**PKD 2490 DG / Ç ...**



N40 x 2 x 30 x 18 x 9H

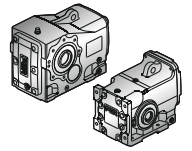
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 40/55	860	2.71	2.37	M8x40	8	30

	63 M	71 M					
<b>g</b>	124	140					
<b>g1</b>	111	119					
<b>k1</b>	549	591					
<b>k1Bre</b>	601	651					
<b>o</b>	198	240					

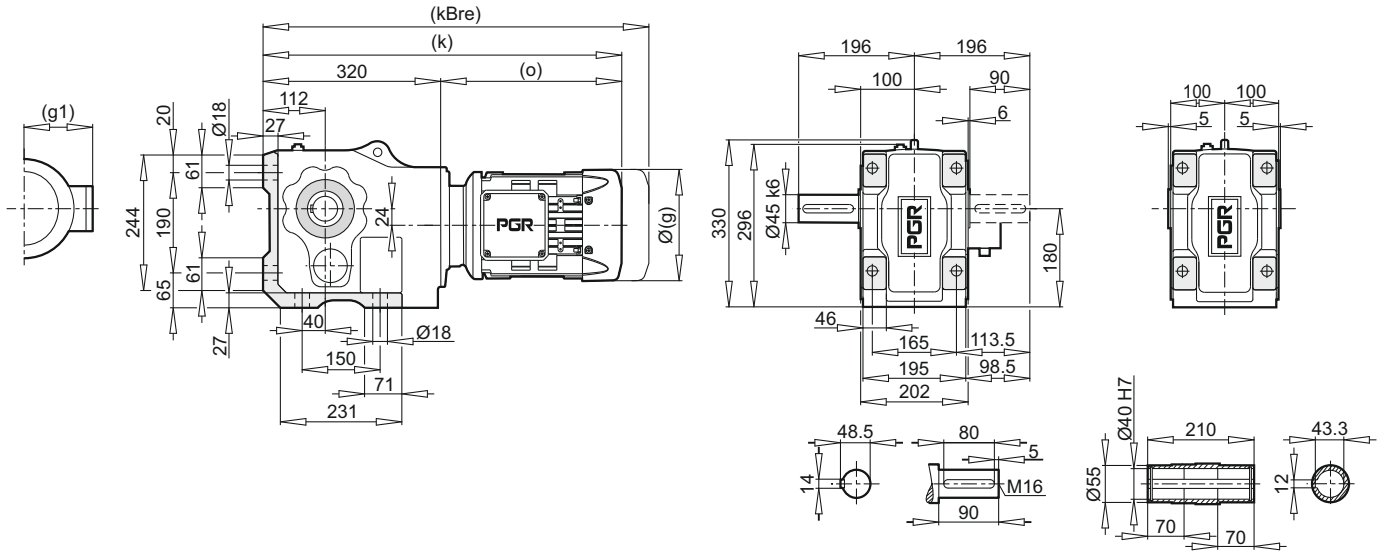
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 3390



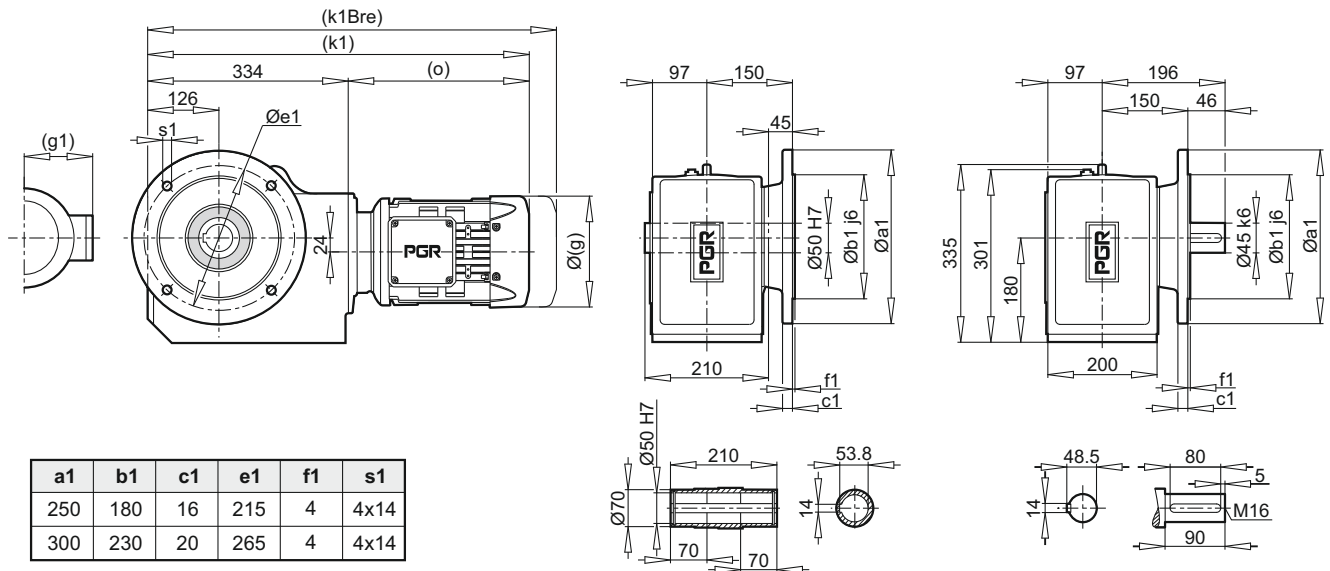
## PKD 3390 TMA ...

## PKD 3390 DA ...

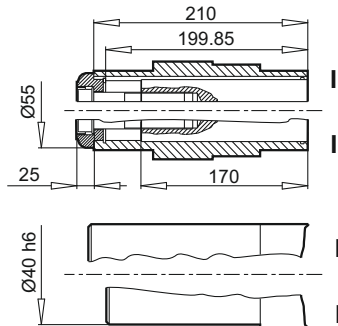


## PKD 3390 DG / B5 ...

## PKD 3390 TMG / B5 ...



## PKD 3390 DA / Ç ... 68 - 69

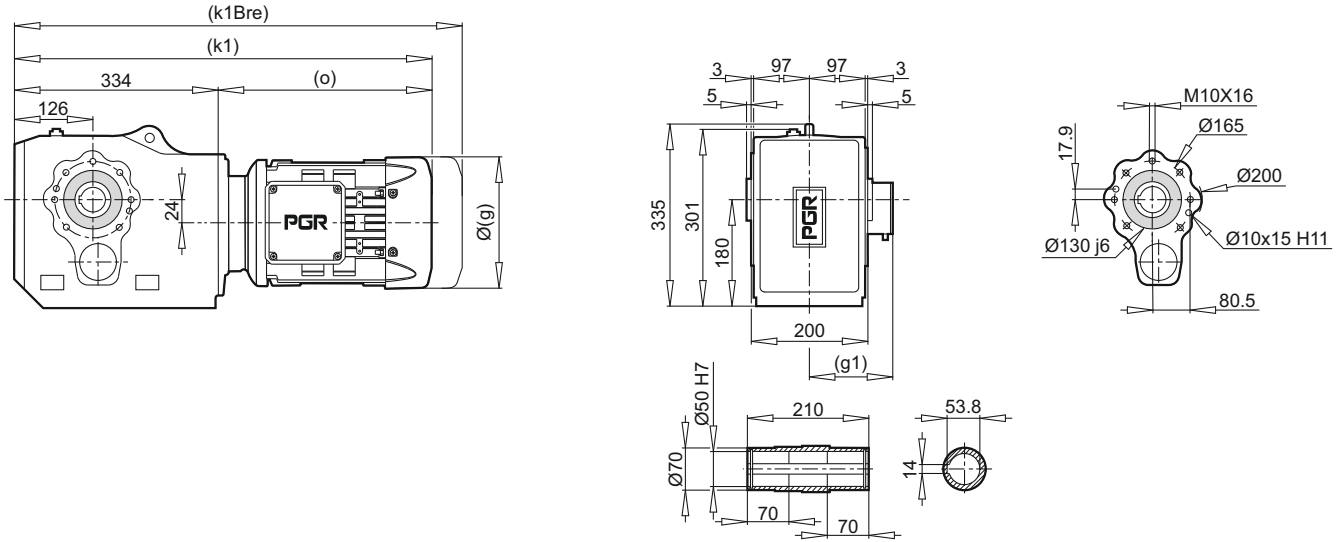


	71 M	80 M	90 S/L	100 L	112 M	132 S/M		
<b>g</b>	140	159	193	217	232	279		
<b>g1</b>	119	127	151	160	168	182		
<b>k</b>	556	582	605/625	653	698	705/740		
<b>kBre</b>	616	644	678/698	734	778	813/881		
<b>o</b>	236	262	285/305	333	378	385/420		

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



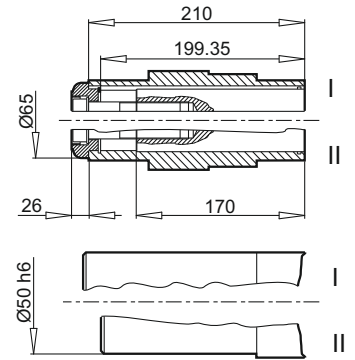
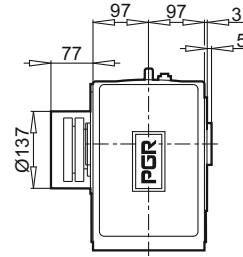
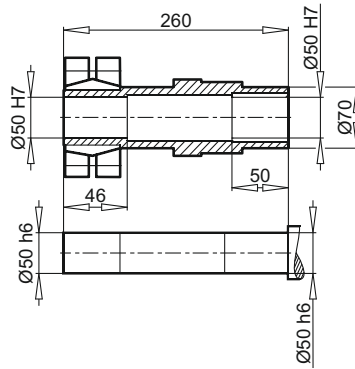
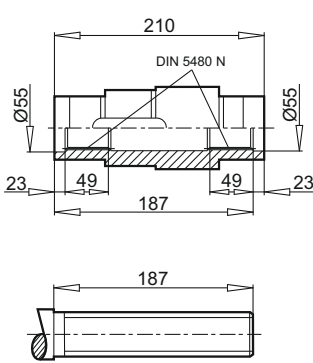
**PKD 3390 DG / B14 ...**



**PKD 3390 DG / DIN 5480 ...**

**PKD 3390 DG / KS ...**

**PKD 3390 DG / Ç ...**



N50 x 2 x 30 x 24 x 9H

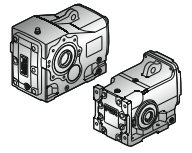
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 50/62	1550	2.83	2.63	M8x40	10	30

	71 M	80 M	90 S/L	100 L	112 M	132 S/M		
<b>g</b>	140	159	193	217	232	279		
<b>g1</b>	119	127	151	160	168	182		
<b>k1</b>	570	596	619/639	667	712	719/754		
<b>k1Bre</b>	630	658	692/712	748	792	827/895		
<b>o</b>	236	262	285/305	333	378	385/420		

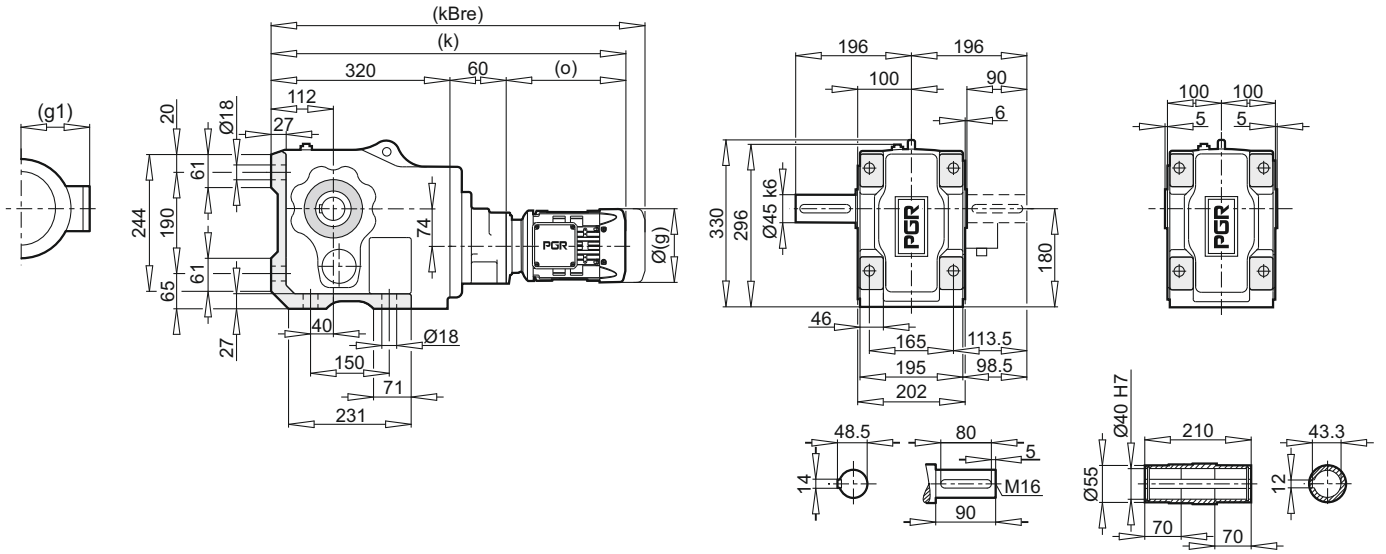
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 3490



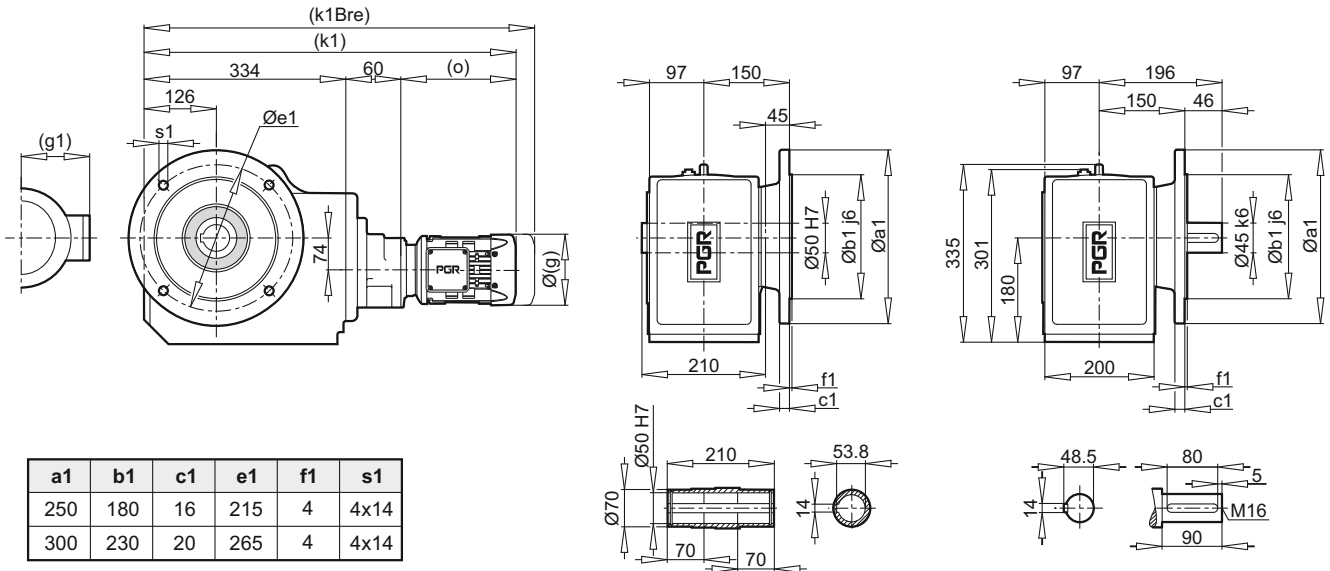
## PKD 3490 TMA ...

## PKD 3490 DA ...

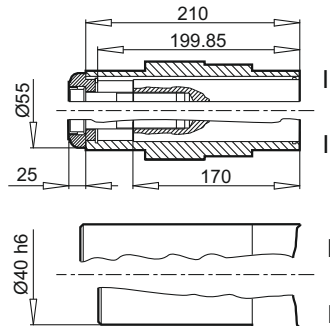


## PKD 3490 DG / B5 ...

## PKD 3490 TMG / B5 ...

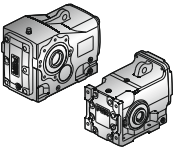


## PKD 3490 DA / Ç ... 68 - 69

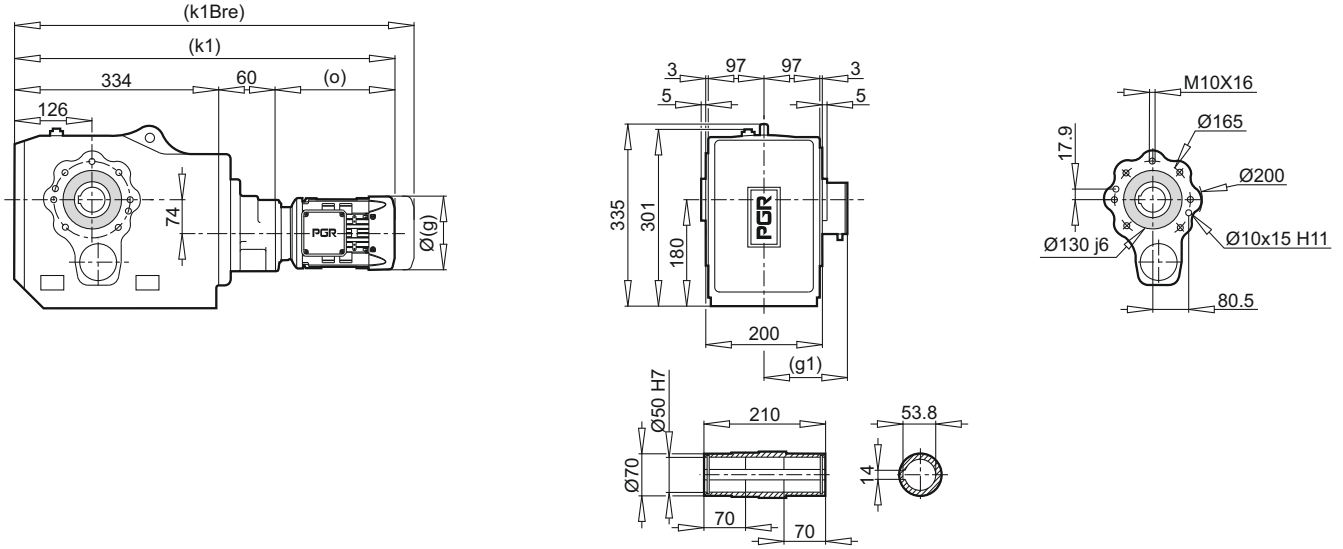


	63 M	71 M	80 M	90 S/L				
<b>g</b>	124	140	159	193				
<b>g1</b>	111	119	127	151				
<b>k</b>	578	620	647	670/690				
<b>kBre</b>	630	680	709	743/763				
<b>o</b>	198	240	267	290/310				

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



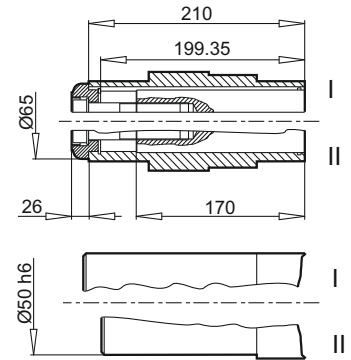
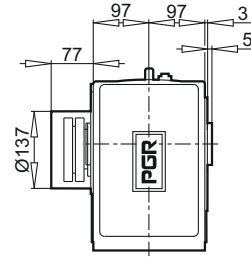
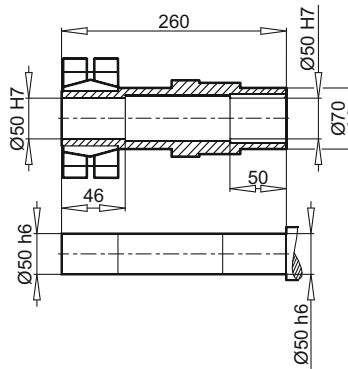
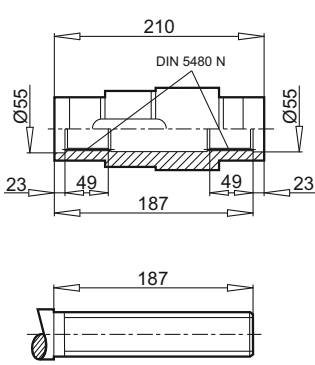
**PKD 3490 DG / B14 ...**



**PKD 3490 DG / DIN 5480 ...**

**PKD 3490 DG / KS ...**

**PKD 3490 DG / Ç ...**



N50 x 2 x 30 x 24 x 9H

68 - 69

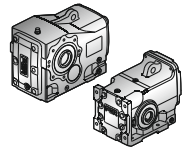
Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 50/62	1550	2.83	2.63	M8x40	10	30

	63 M	71 M	80 M	90 S/L			
<b>g</b>	124	140	159	193			
<b>g1</b>	111	119	127	151			
<b>k1</b>	592	634	661	684/704			
<b>k1Bre</b>	644	694	723	757/777			
<b>o</b>	198	240	267	290/310			

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

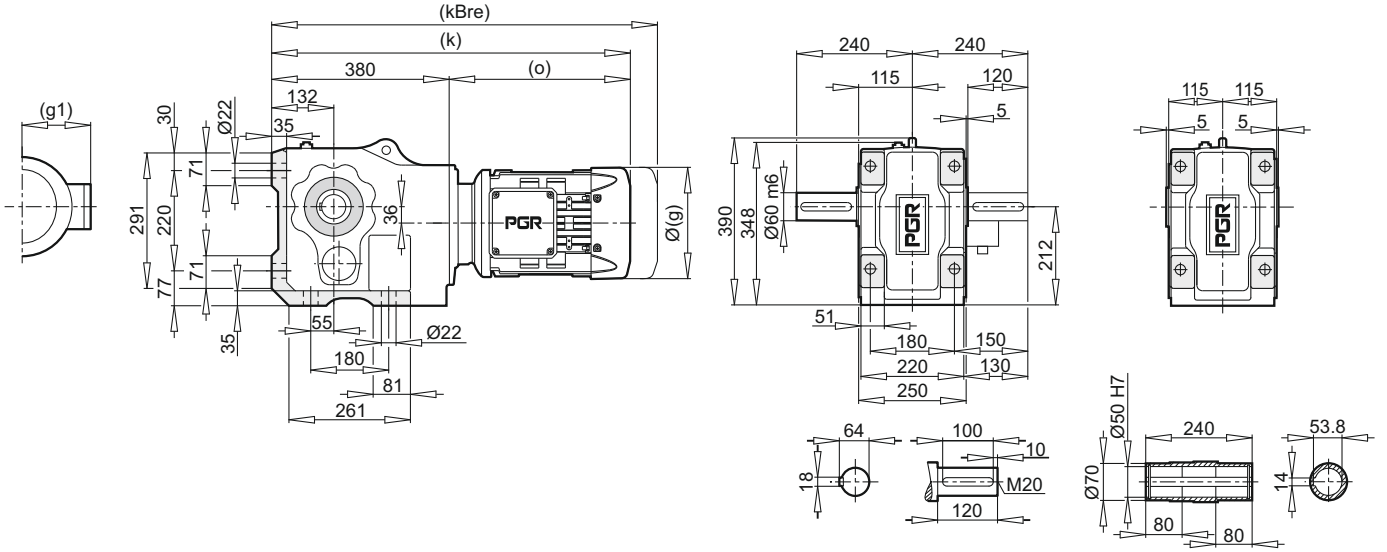


# PKD 4390



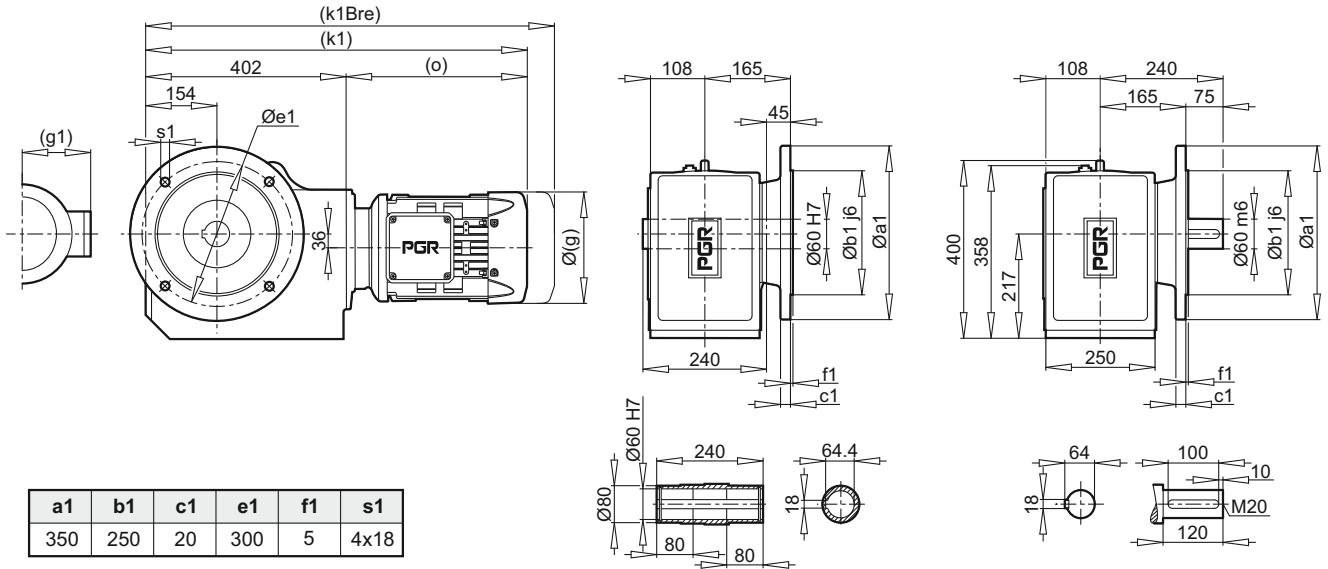
## PKD 4390 TMA ...

## PKD 4390 DA ...



## PKD 4390 DG / B5 ...

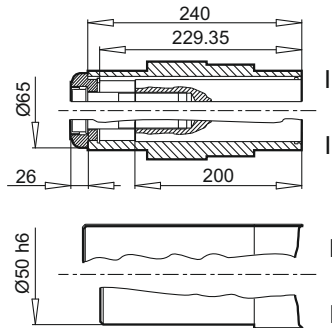
## PKD 4390 TMG / B5 ...



## PKD 4390 DA / Ç ...



68 - 69

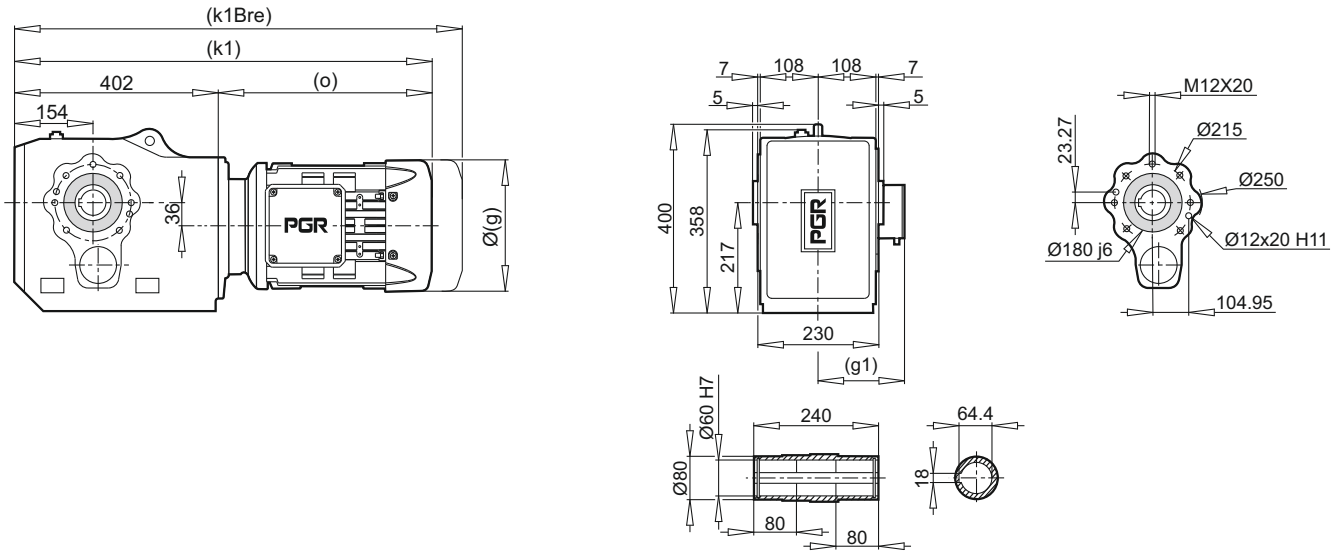


	90 S/L	100 L	112 M	132 S/M	160 M/L			
<b>g</b>	193	217	232	279	323			
<b>g1</b>	151	160	168	182	200			
<b>k</b>	645/665	693	738	745/780	885			
<b>kBre</b>	718/738	774	818	853/921	1037			
<b>o</b>	265/285	313	358	365/400	505			

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



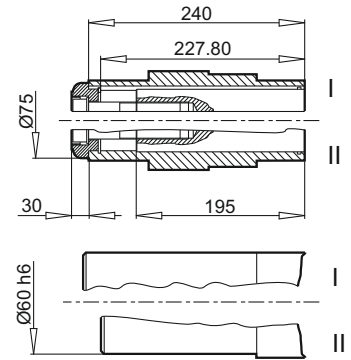
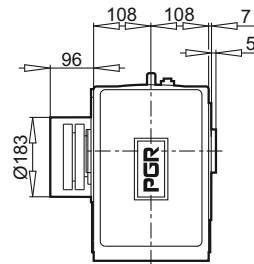
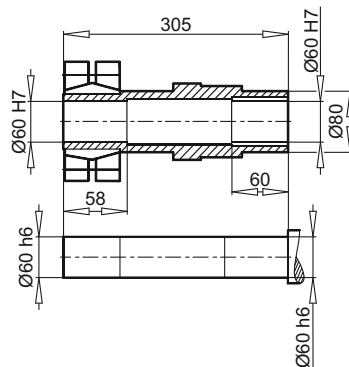
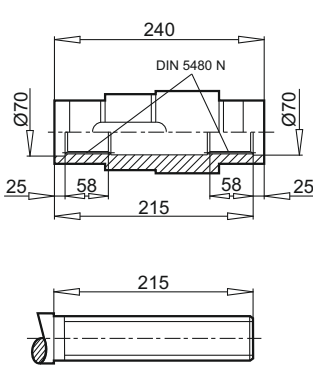
**PKD 4390 DG / B14 ...**



**PKD 4390 DG / DIN 5480 ...**

**PKD 4390 DG / KS ...**

**PKD 4390 DG / Ç ...**



N65 x 2 x 30 x 31 x 9H

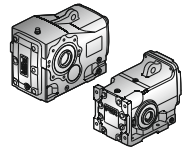
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 60/76	2800	2.90	2.69	M10x50	10	59

	90 S/L	100 L	112 M	132 S/M	160 M/L			
<b>g</b>	193	217	232	279	323			
<b>g1</b>	151	160	168	182	200			
<b>k1</b>	667/687	715	760	767/802	907			
<b>k1Bre</b>	740/760	796	840	875/943	1059			
<b>o</b>	265/285	313	358	365/400	505			

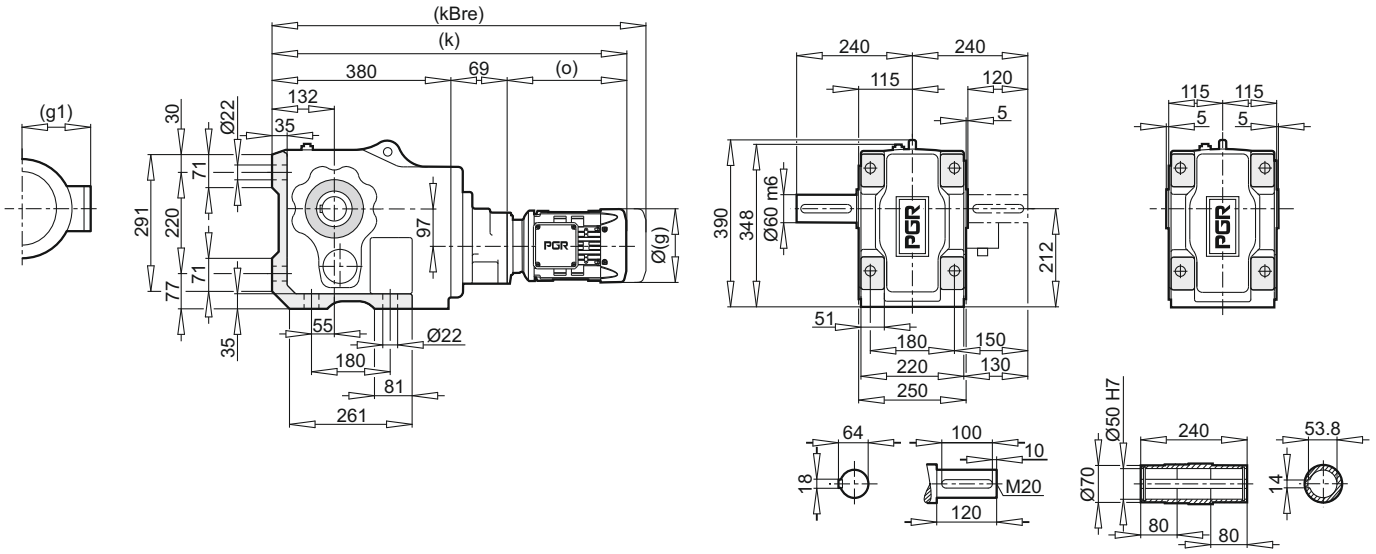
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 4490



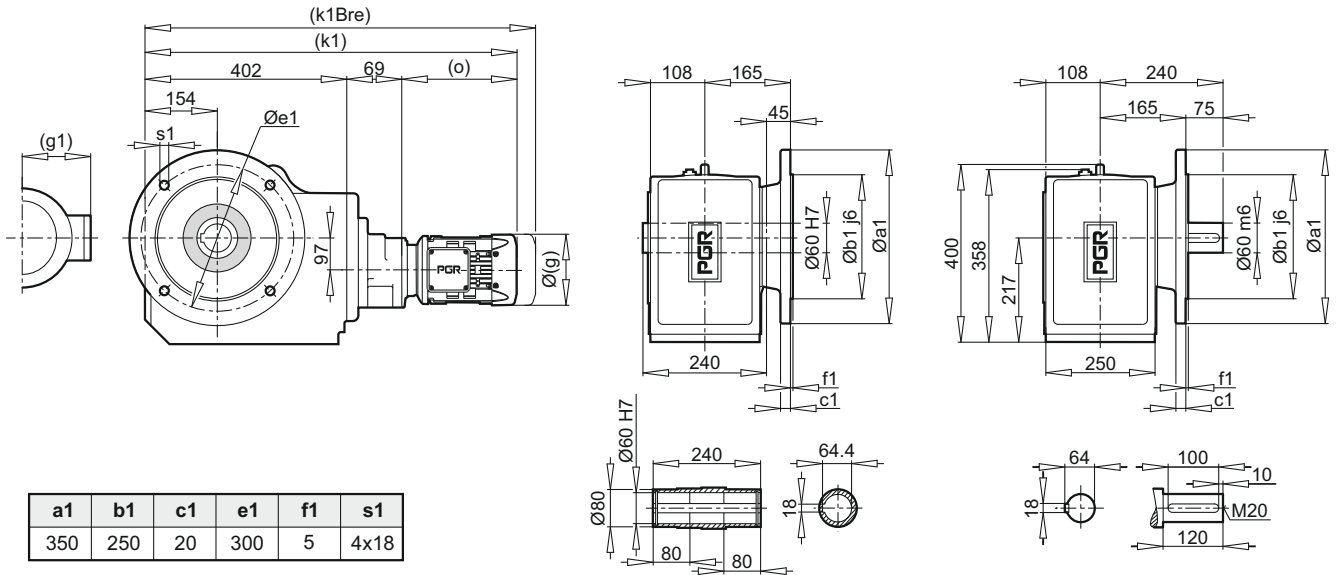
## PKD 4490 TMA ...

## PKD 4490 DA ...



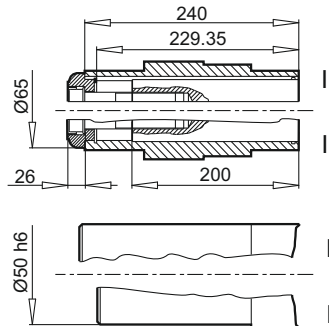
## PKD 4490 DG / B5 ...

## PKD 4490 TMG / B5 ...



## PKD 4490 DA / Ç ...

68 - 69

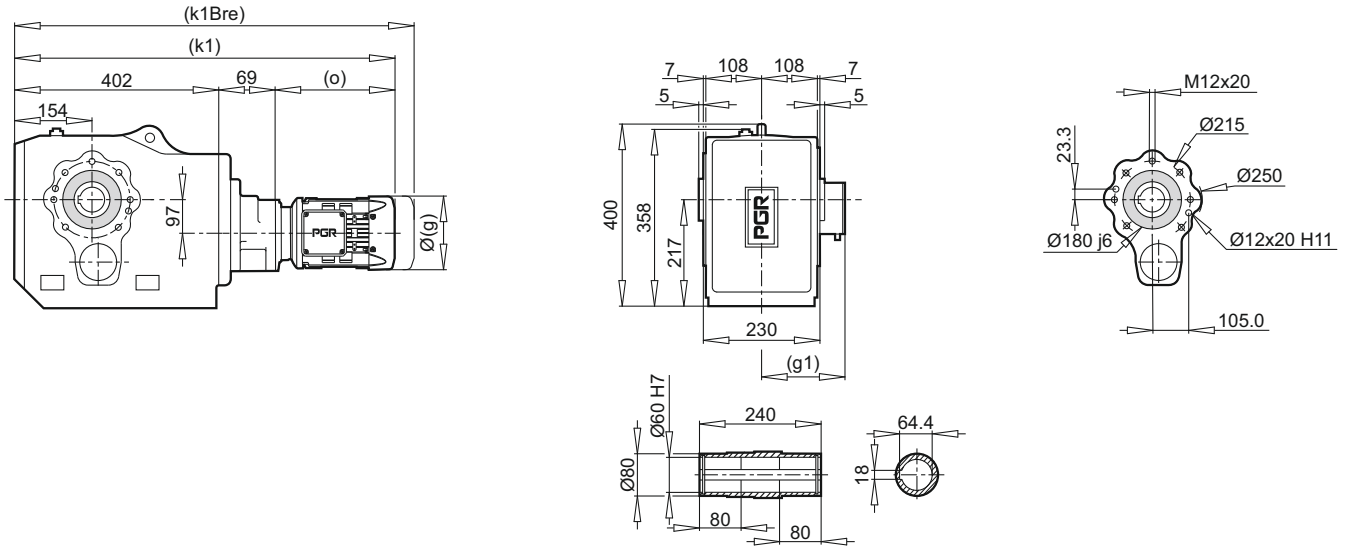


	71 M	80 M	90 S/L	100L				
<b>g</b>	140	159	193	217				
<b>g1</b>	119	127	151	160				
<b>k</b>	685	711	734/754	782				
<b>kBre</b>	745	773	807/827	863				
<b>o</b>	236	262	285/305	333				

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



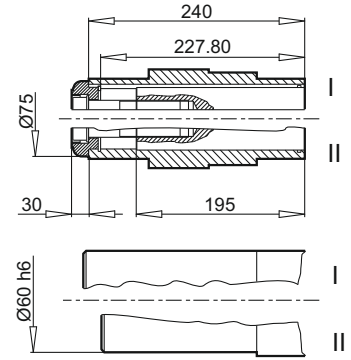
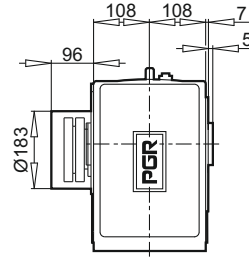
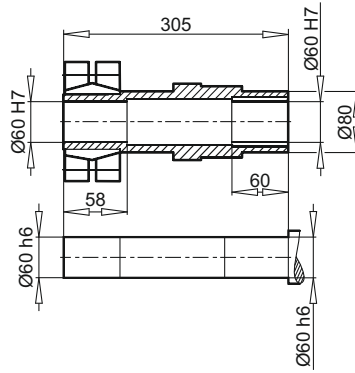
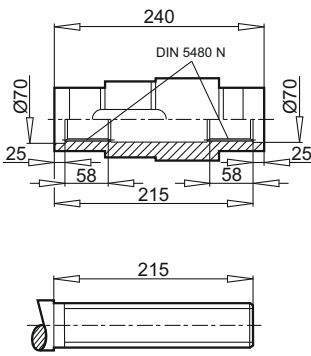
**PKD 4490 DG / B14 ...**



**PKD 4490 DG / DIN 5480 ...**

**PKD 4490 DG / KS ...**

**PKD 4490 DG / Ç ...**



N65 x 2 x 30 x 31 x 9H

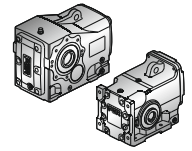
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 60/76	2800	2.90	2.69	M10x50	10	59

	71 M	80 M	90 S/L	100L				
<b>g</b>	140	159	193	217				
<b>g1</b>	119	127	151	160				
<b>k1</b>	707	733	756/776	804				
<b>k1Bre</b>	767	795	829/849	885				
<b>o</b>	236	262	285/305	333				

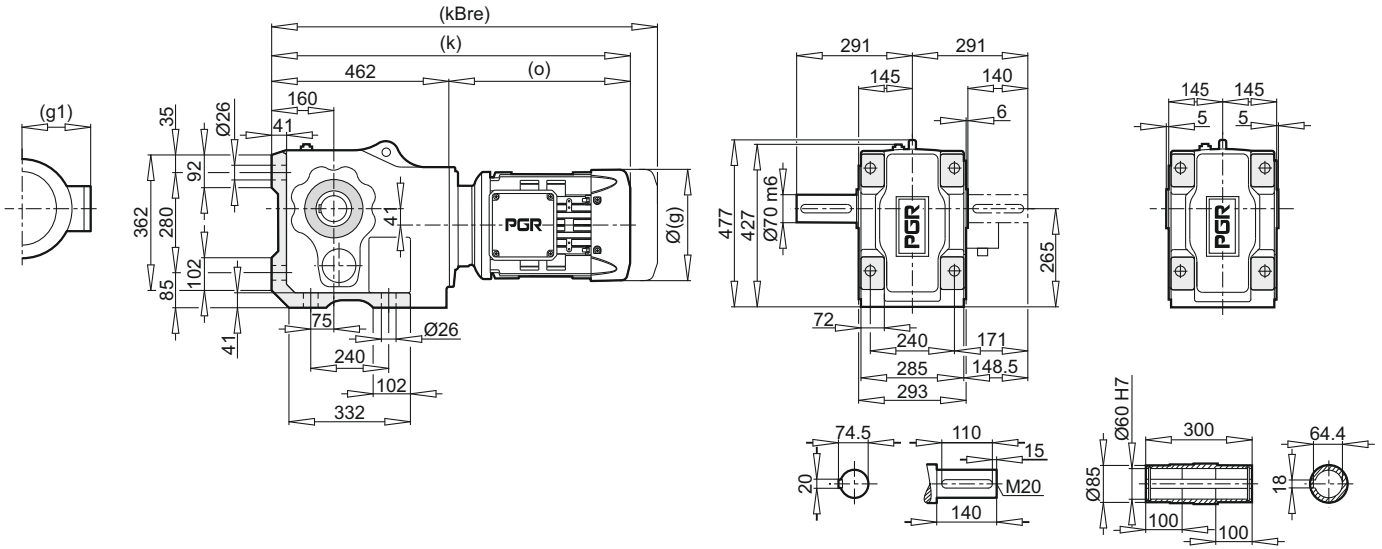
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 5390



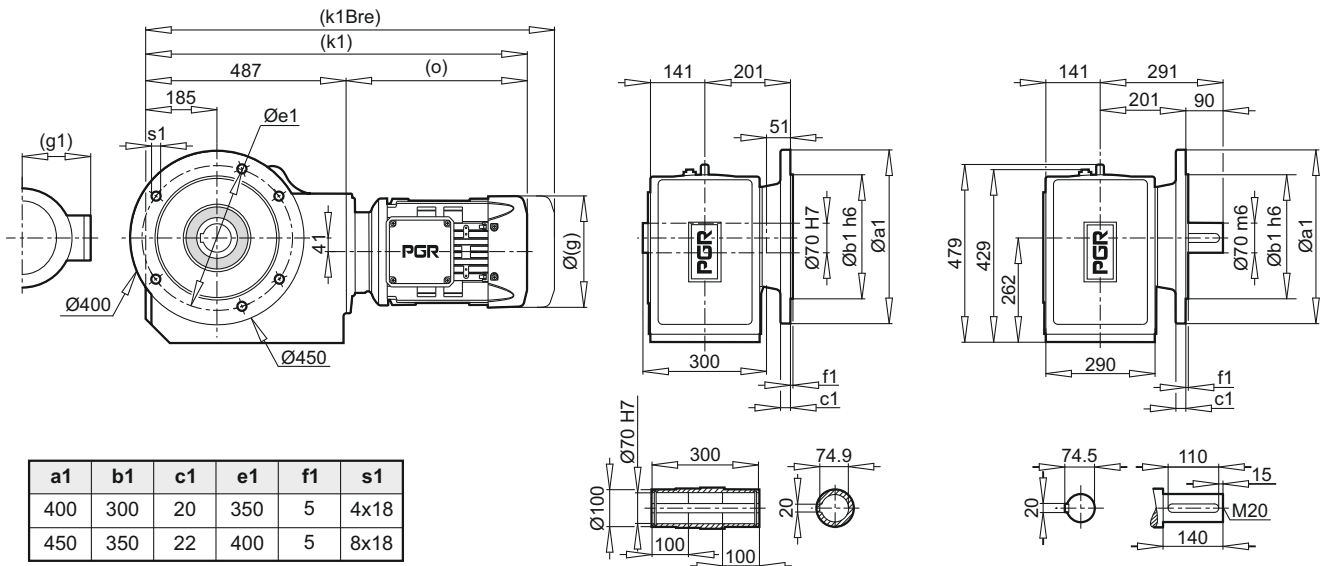
## PKD 5390 TMA ...

## PKD 5390 DA ...



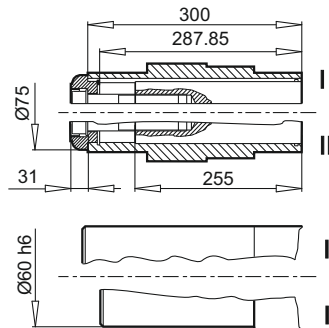
## PKD 5390 DG / B5 ...

## PKD 5390 TMG / B5 ...



## PKD 5390 DA / Ç ...

68 - 69

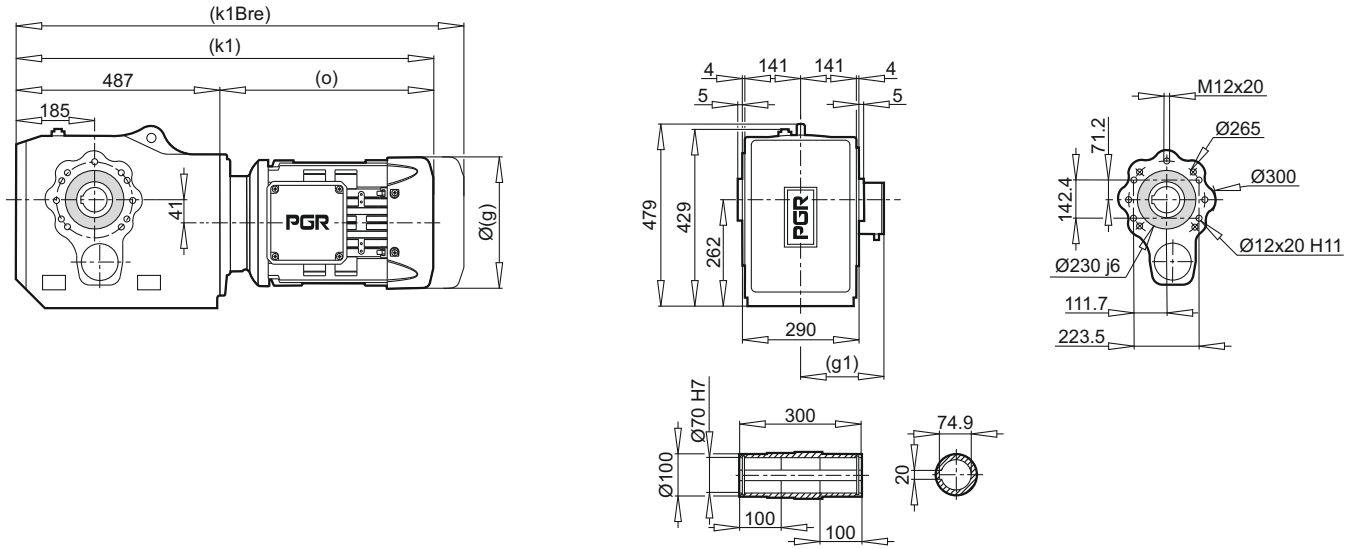


	90 S/L	100 L	112 M	132 S/M	160 M/L	180 M/L		
<b>g</b>	193	217	232	279	323	370		
<b>g1</b>	151	160	168	182	200	248		
<b>k</b>	727/747	775	820	827/862	967	1041		
<b>kBre</b>	800/820	856	900	935/1003	1119	1203		
<b>o</b>	265/285	313	358	365/400	505	579		

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



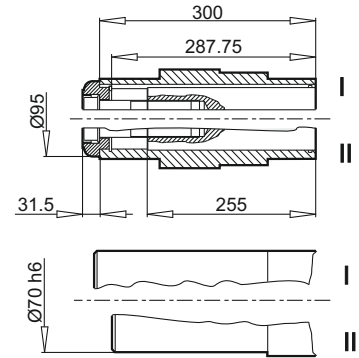
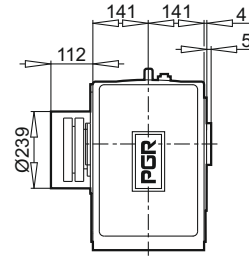
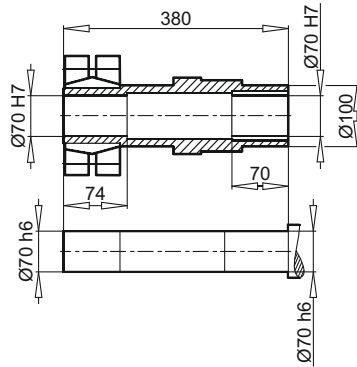
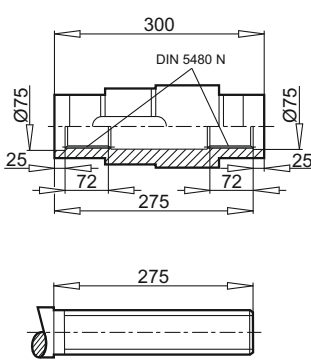
**PKD 5390 DG / B14 ...**



**PKD 5390 DG / DIN 5480 ...**

**PKD 5390 DG / KS ...**

**PKD 5390 DG / Ç ...**



N70 x 2 x 30 x 34 x 9H

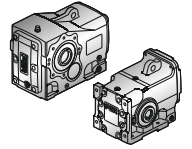
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>2max</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 70/90	4800	2.87	2.69	M12x70*	10	100

	90 S/L	100 L	112 M	132 S/M	160 M/L	180 M/L		
<b>g</b>	193	217	232	279	323	370		
<b>g1</b>	151	160	168	182	200	248		
<b>k1</b>	752/772	800	845	852/887	992	1066		
<b>k1Bre</b>	825/845	881	925	960/1028	1144	1228		
<b>o</b>	265/285	313	358	365/400	505	579		

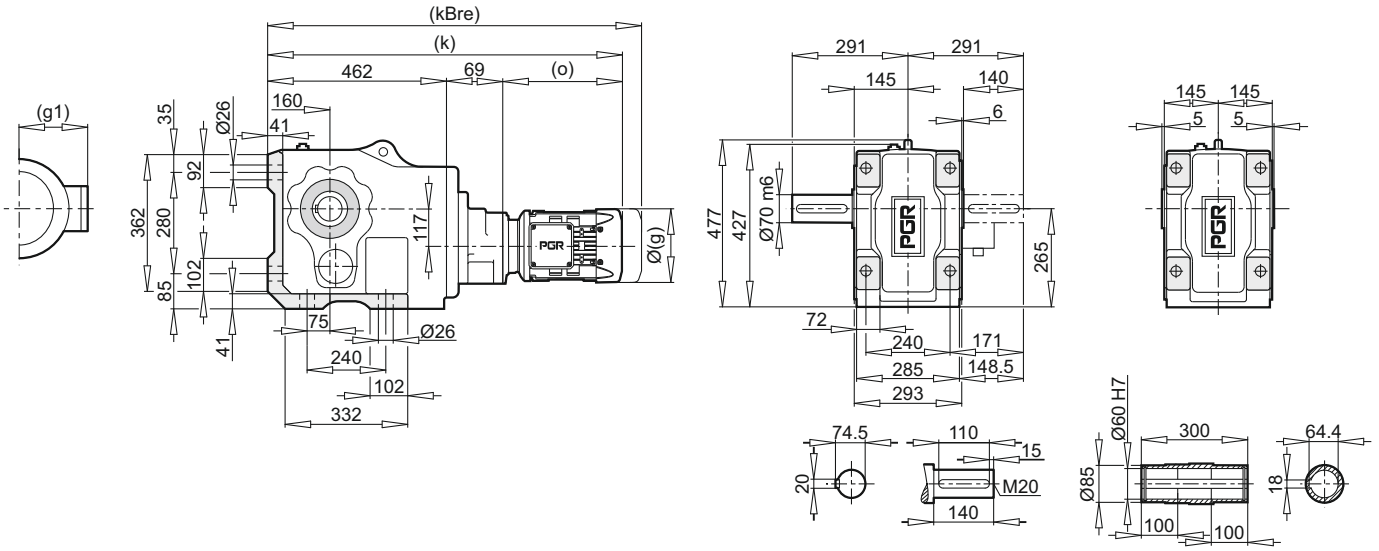
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 5490



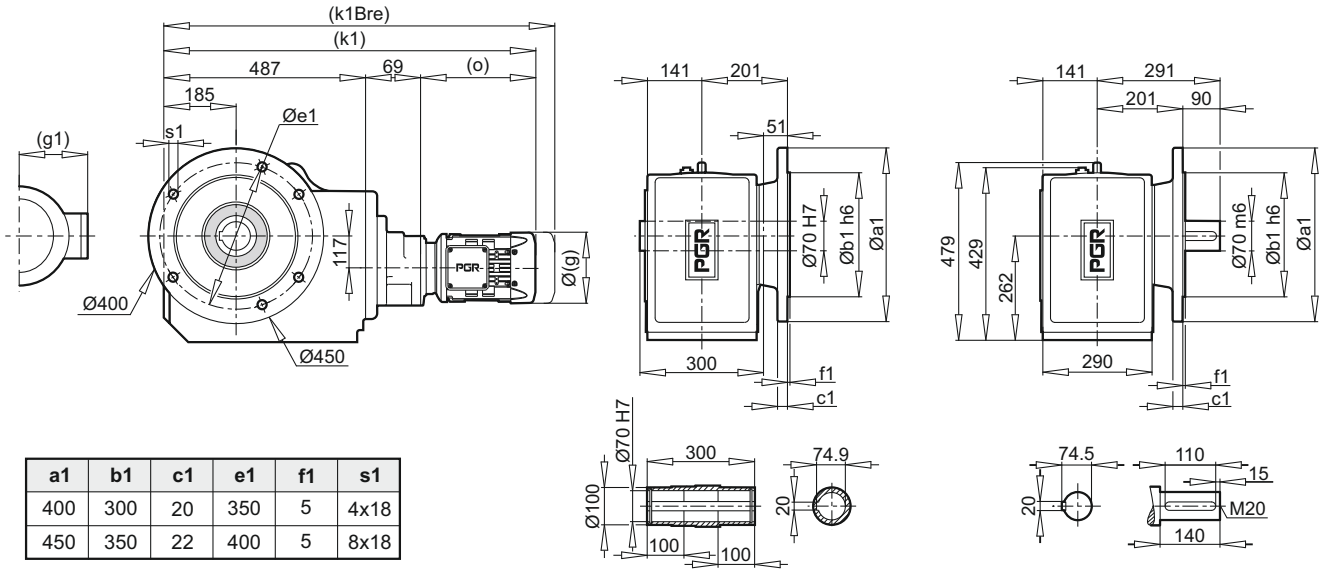
## PKD 5490 TMA ...

## PKD 5490 DA ...



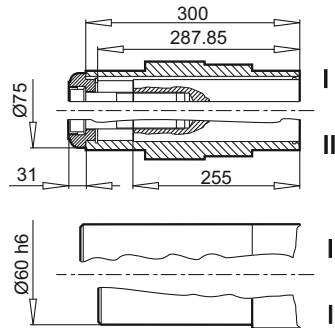
## PKD 5490 DG / B5 ...

## PKD 5490 TMG / B5 ...



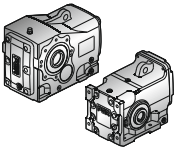
## PKD 5490 DA / Ç ...

68 - 69

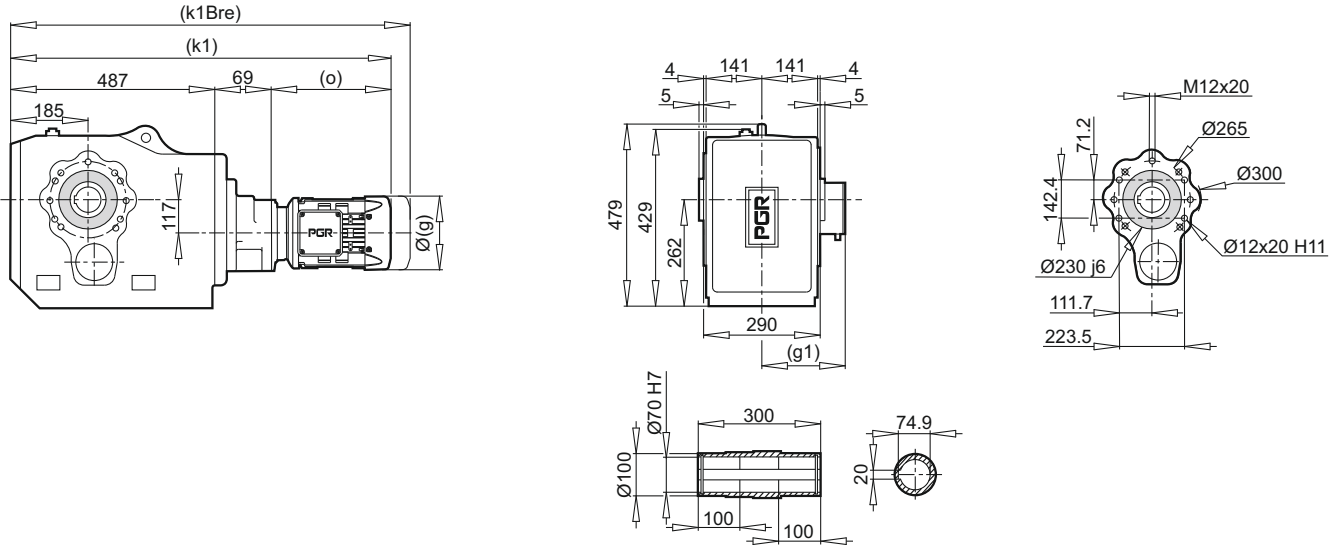


	71 M	80 M	90 S/L	100L	112M			
<b>g</b>	140	159	193	217	232			
<b>g1</b>	119	127	151	160	168			
<b>k</b>	767	793	816/836	864	909			
<b>kBre</b>	827	855	889/909	945	989			
<b>o</b>	236	262	285/305	333	378			

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



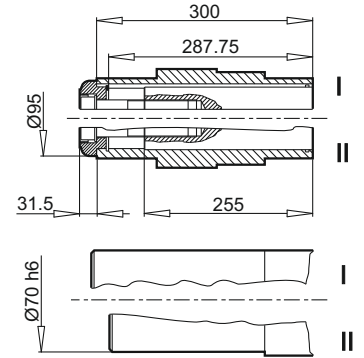
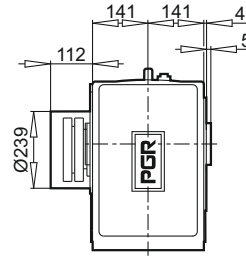
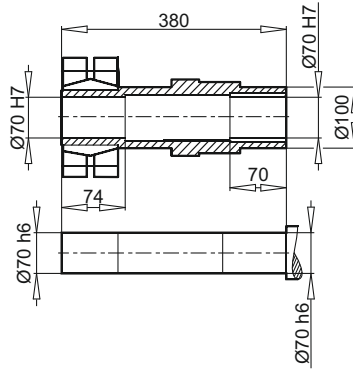
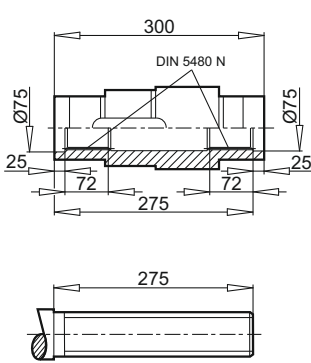
**PKD 5490 DG / B14 ...**



**PKD 5490 DG / DIN 5480 ...**

**PKD 5490 DG / KS ...**

**PKD 5490 DG / Ç ...**



N70 x 2 x 30 x 34 x 9H

68 - 69

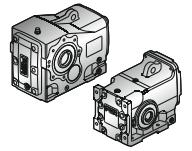
Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 70/90	4800	2.87	2.69	M12x70*	10	100

	71 M	80 M	90 S/L	100L	112M			
<b>g</b>	140	159	193	217	232			
<b>g1</b>	119	127	151	160	168			
<b>k1</b>	792	818	841/861	889	934			
<b>k1Bre</b>	852	880	914/934	970	1014			
<b>o</b>	236	262	285/305	333	378			

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

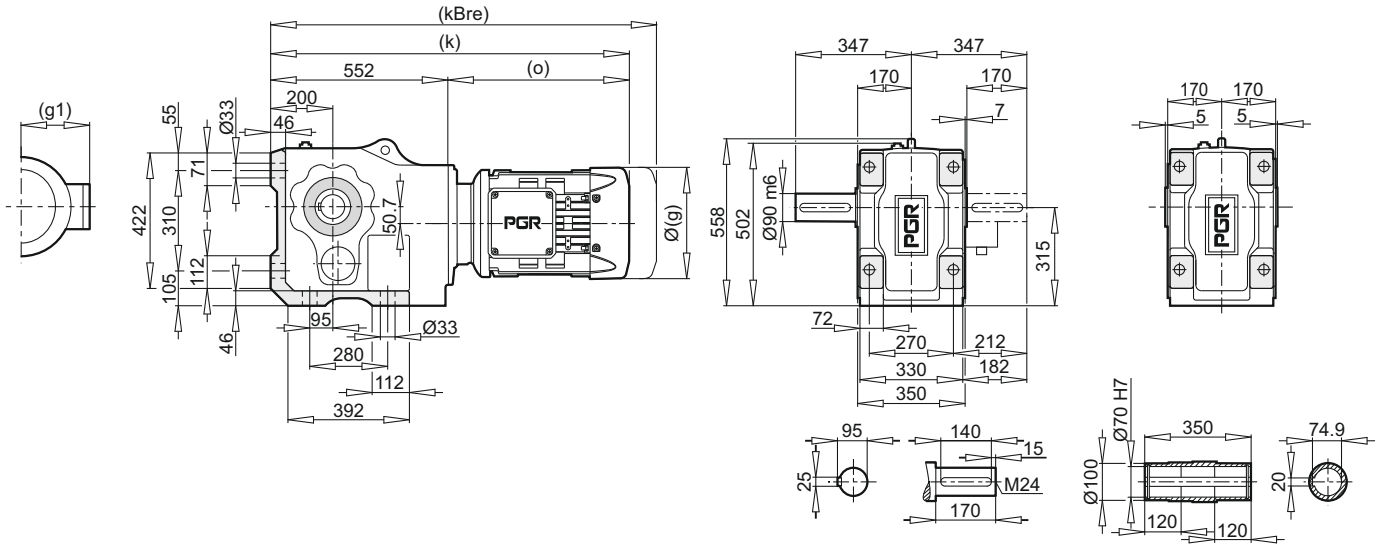


# PKD 6390



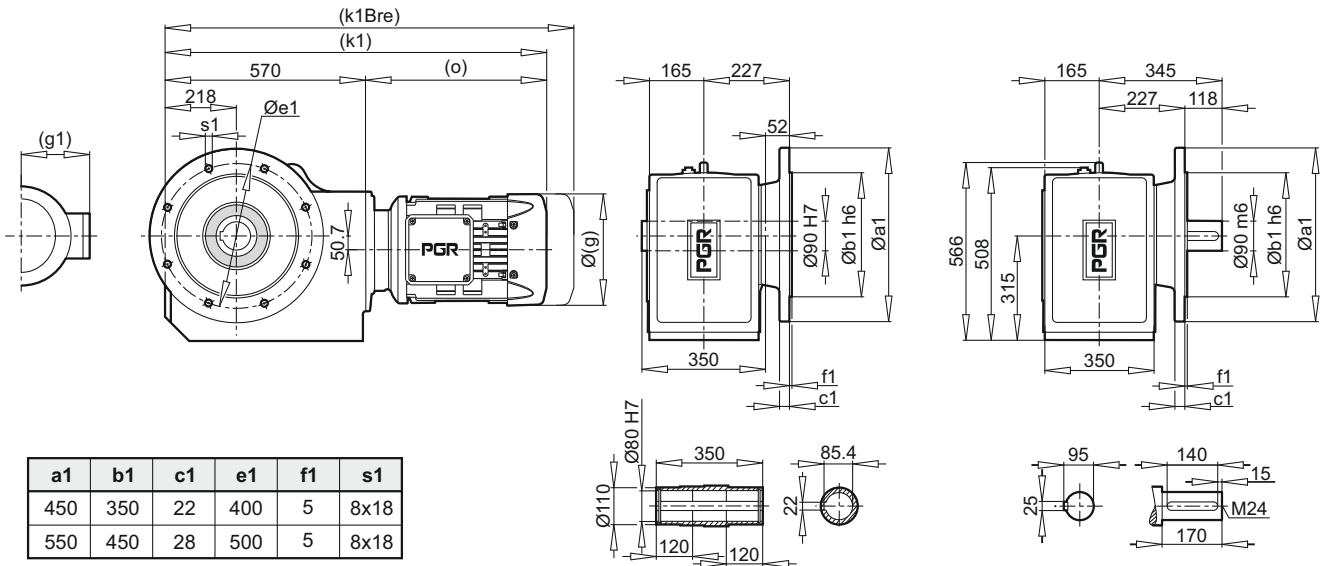
## PKD 6390 TMA ...

## PKD 6390 DA ...

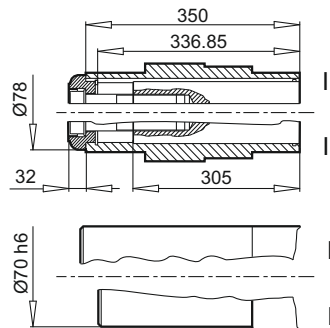


## PKD 6390 DG / B5 ...

## PKD 6390 TMG / B5 ...



## PKD 6390 DA / Ç ... 68 - 69

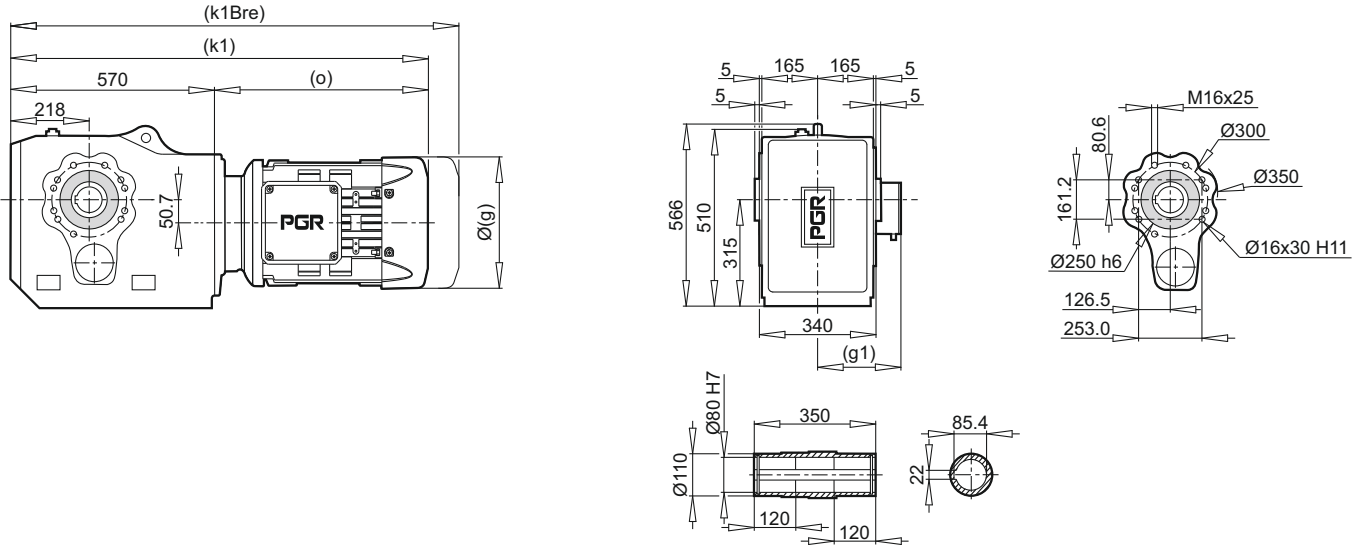


	100 L	112 M	132 S/M	160 M/L	180 M/L	200 L	225 S/M
<b>g</b>	217	232	279	323	370	415	456
<b>g1</b>	160	168	182	200	248	260	260
<b>k</b>	864	912	915/950	1016	1075	1170	1252
<b>kBre</b>	945	992	1023/1091	1168	1237	1317	1424
<b>o</b>	312	360	363/398	464	523	618	700

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



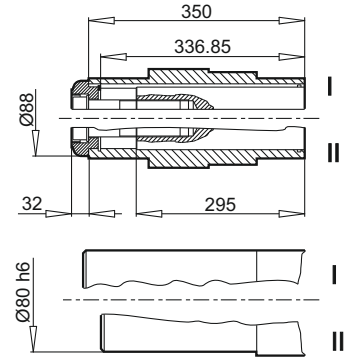
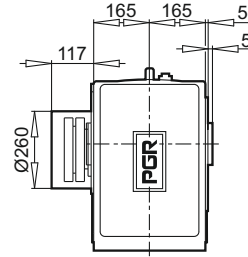
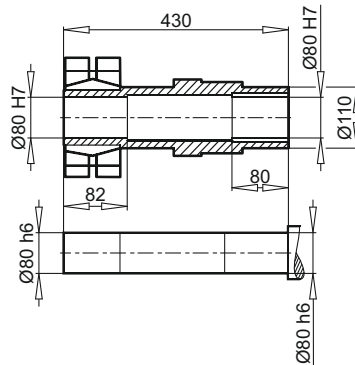
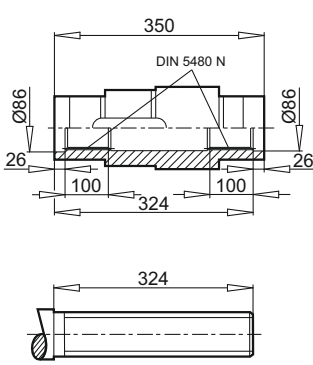
**PKD 6390 DG / B14 ...**



**PKD 6390 DG / DIN 5480 ...**

**PKD 6390 DG / KS ...**

**PKD 6390 DG / Ç ...**



N85 x 3 x 30 x 27 x 9H

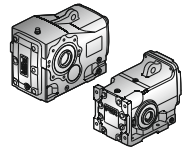
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 80/108	8500	3.70	3.56	M12x70*	14	100

	100 L	112 M	132 S/M	160 M/L	180 M/L	200 L	225 S/M
<b>g</b>	217	232	279	323	370	415	456
<b>g1</b>	160	168	182	200	248	260	260
<b>k1</b>	882	930	933/968	1034	1093	1188	1270
<b>k1Bre</b>	963	1010	1041/1109	1186	1255	1335	1442
<b>o</b>	312	360	363/398	464	523	618	700

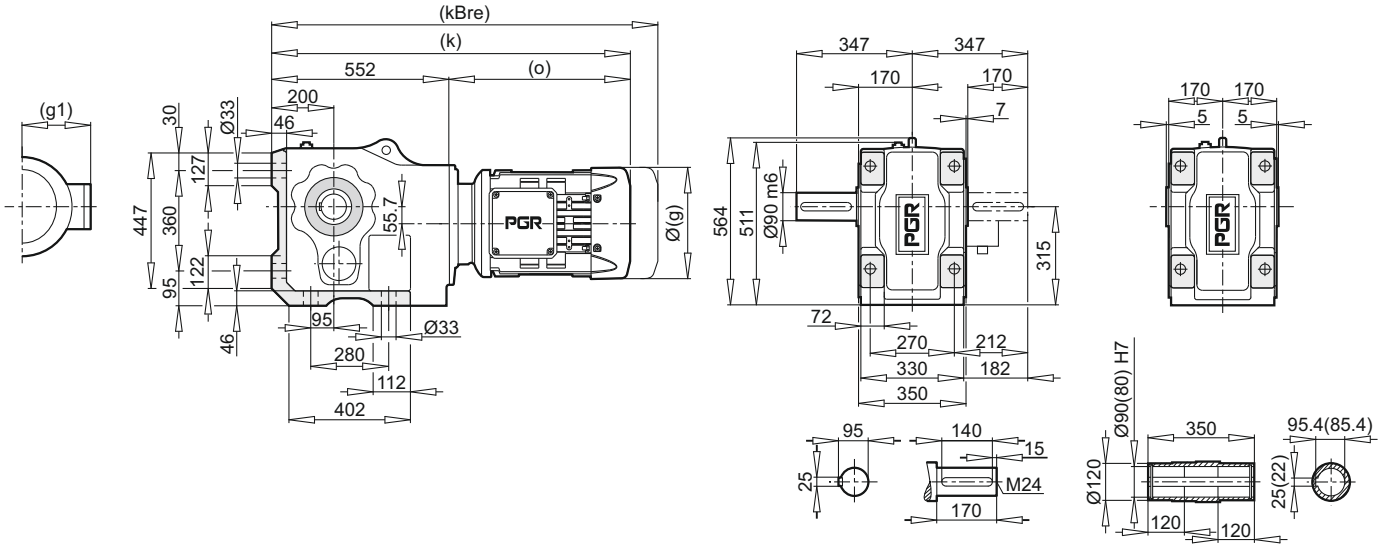
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 7390



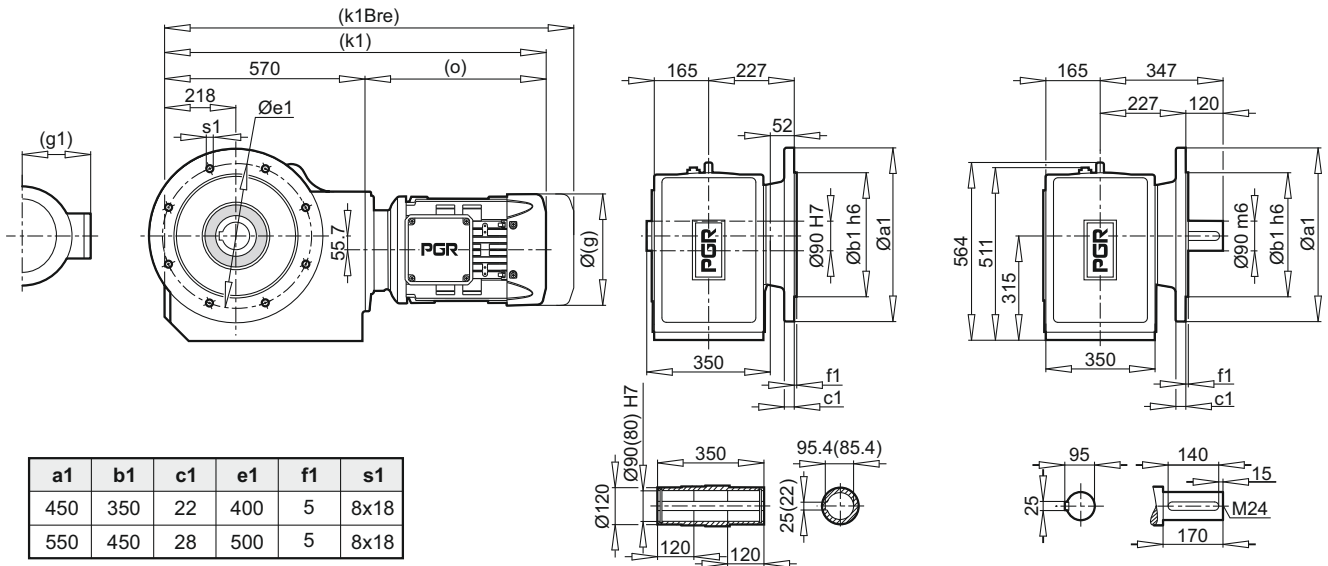
## PKD 7390 TMA ...

## PKD 7390 DA ...



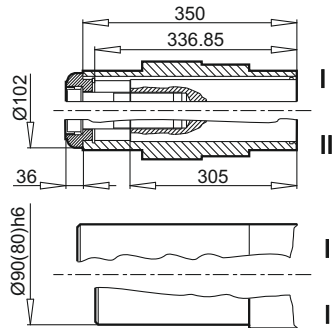
## PKD 7390 DG / B5 ...

## PKD 7390 TMG / B5 ...



## PKD 7390 DA / Ç ...

68 - 69

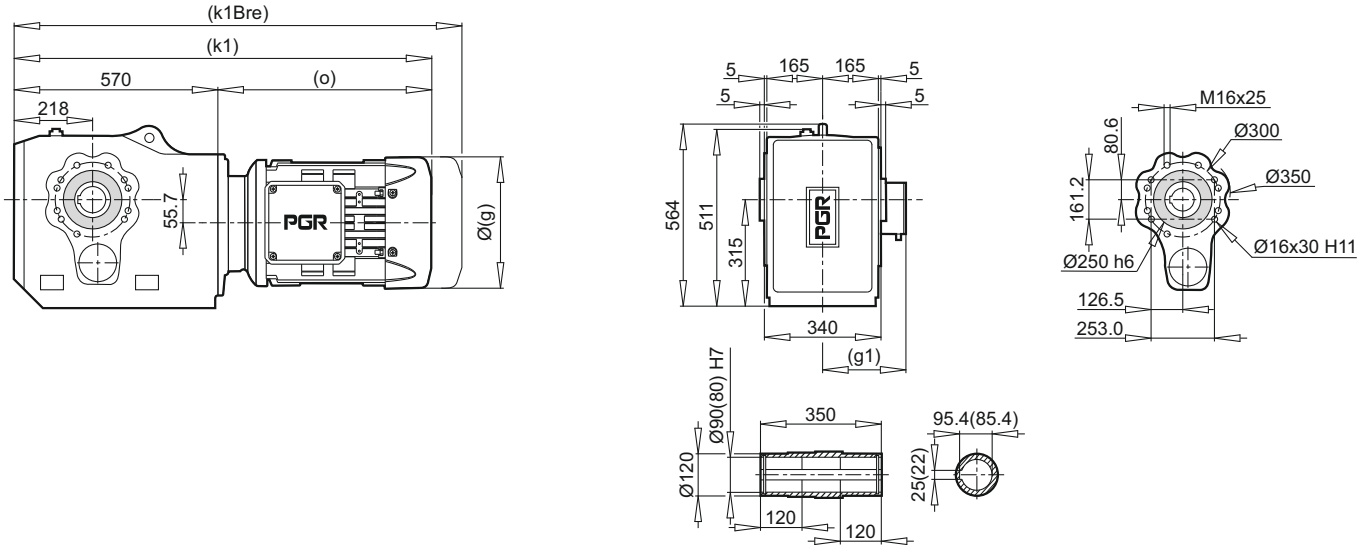


	100 L	112 M	132 S/M	160 M/L	180 M/L	200 L	225 S/M
<b>g</b>	217	232	279	323	370	415	456
<b>g1</b>	160	168	182	200	248	260	260
<b>k</b>	864	912	915/950	1016	1075	1170	1252
<b>kBre</b>	945	992	1023/1091	1168	1237	1317	1424
<b>o</b>	312	360	363/398	464	523	618	700

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



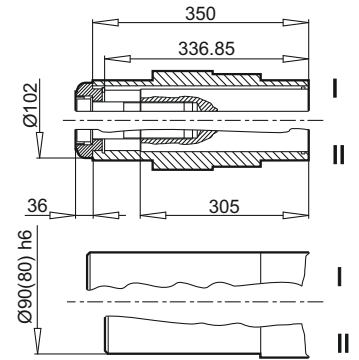
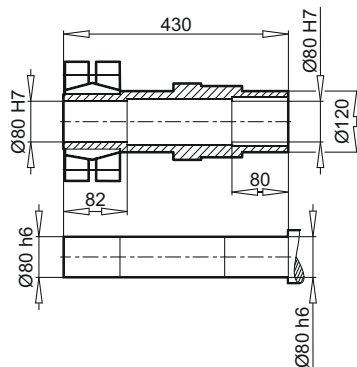
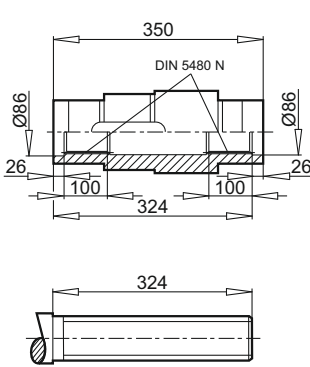
**PKD 7390 DG / B14 ...**



**PKD 7390 DG / DIN 5480 ...**

**PKD 7390 DG / KS ...**

**PKD 7390 DG / Ç ...**



N85 x 3 x 30 x 27 x 9H

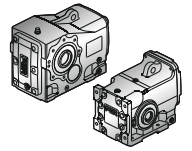
68 - 69

Konik sıkırtırma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 80/108	8500	3.70	3.56	M12x70*	14	100

	100 L	112 M	132 S/M	160 M/L	180 M/L	200 L	225 S/M
<b>g</b>	217	232	279	323	370	415	456
<b>g1</b>	160	168	182	200	248	260	260
<b>k1</b>	882	930	933/968	1034	1093	1188	1270
<b>k1Bre</b>	963	1010	1041/1109	1186	1255	1335	1442
<b>o</b>	312	360	363/398	464	523	618	700

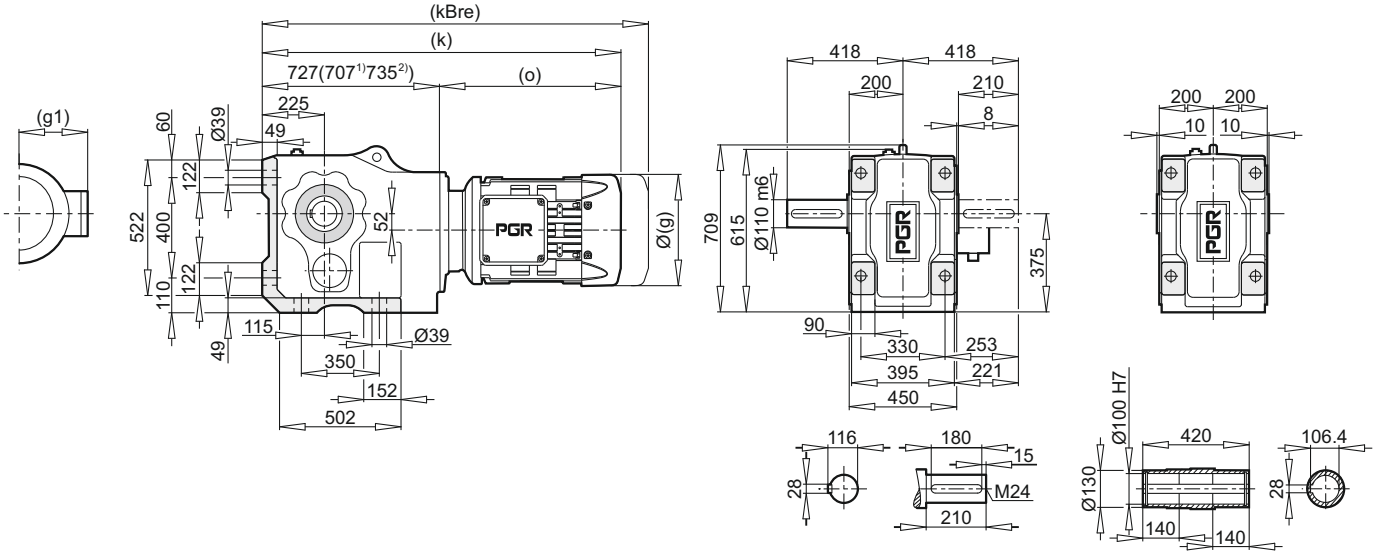
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD 8390



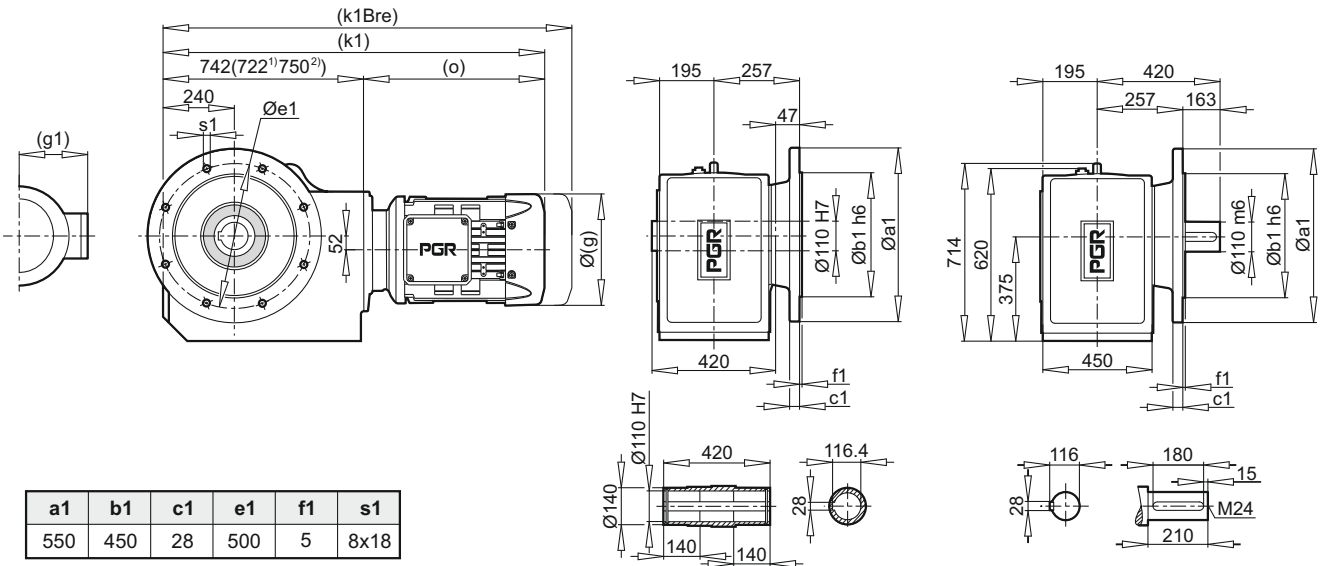
## PKD 8390 TMA ...

## PKD 8390 DA ...



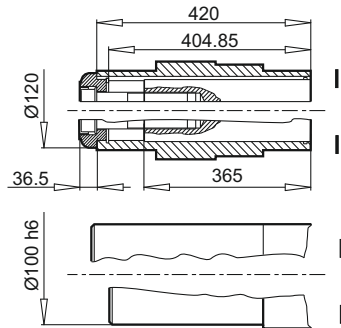
## PKD 8390 DG / B5 ...

## PKD 8390 TMG / B5 ...



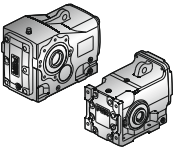
## PKD 8390 DA / Ç ...

68 - 69

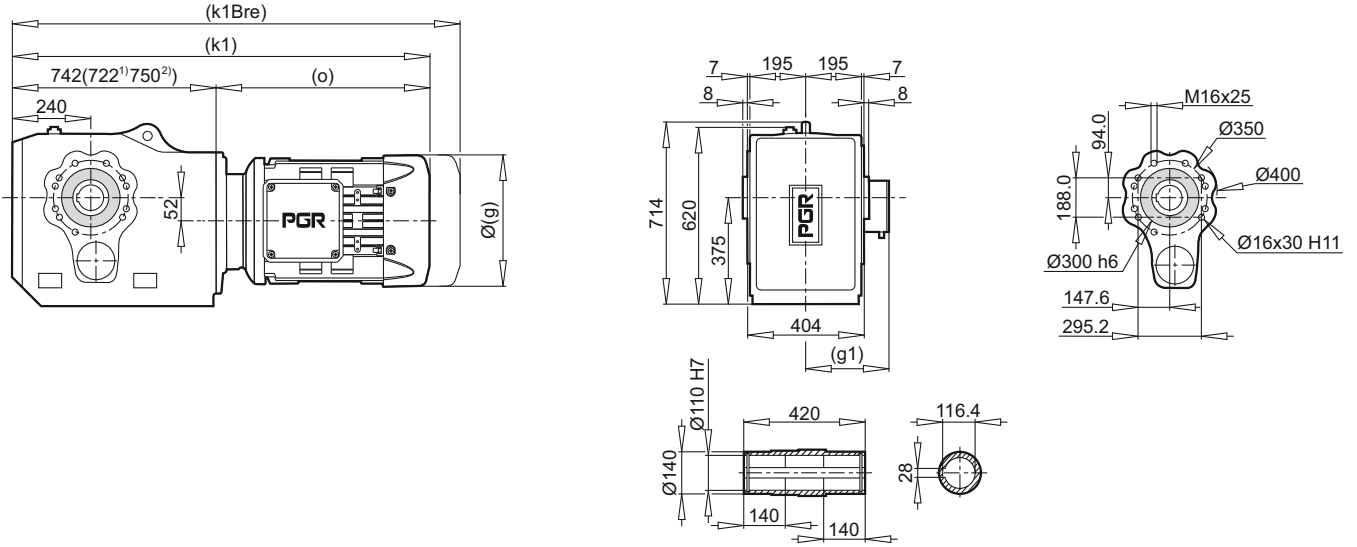


	132 S/M	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1)</sup>	280 M <sup>2)</sup>
<b>g</b>	279	323	370	415	456	495	527
<b>g1</b>	182	200	248	260	260	392	367
<b>k</b>	1090/1125	1191	1250	1345	1427	1351	1653
<b>kBre</b>	1198/1266	1343	1412	1492	1599	1481	-
<b>o</b>	363/398	464	523	618	700	644	888

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



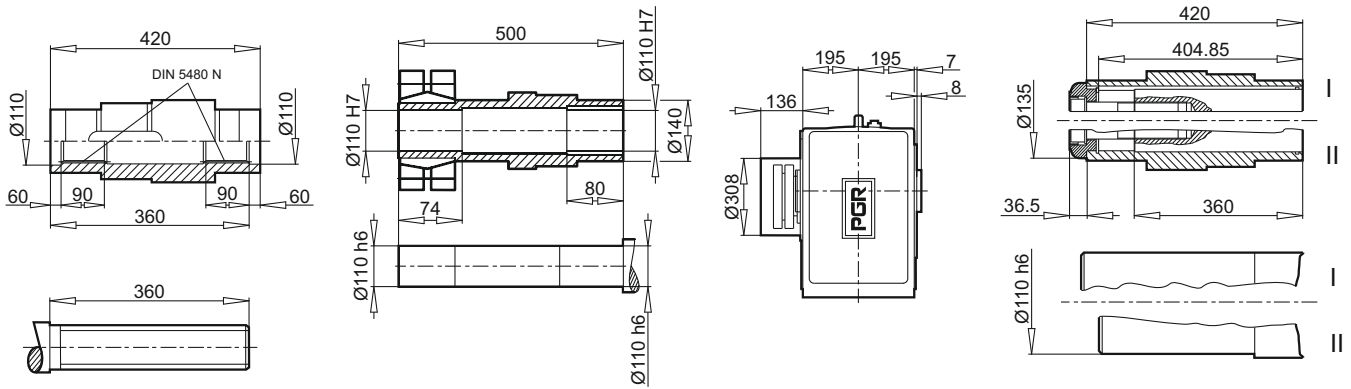
**PKD 8390 DG / B14 ...**



**PKD 8390 DG / DIN 5480 ...**

**PKD 8390 DG / KS ...**

**PKD 8390 DG / Ç ...**



N105 x 3 x 30 x 34 x 9H

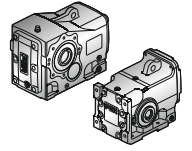
68 - 69

Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 110/138	13000	2.66	2.54	M16x70	8	250

	132 S/M	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1)</sup>	280 M <sup>2)</sup>
<b>g</b>	279	323	370	415	456	495	527
<b>g1</b>	182	200	248	260	260	392	367
<b>k1</b>	1105/1140	1206	1265	1360	1442	1366	1638
<b>k1Bre</b>	1213/1281	1358	1427	1507	1614	1496	-
<b>o</b>	363/398	464	523	618	700	644	888

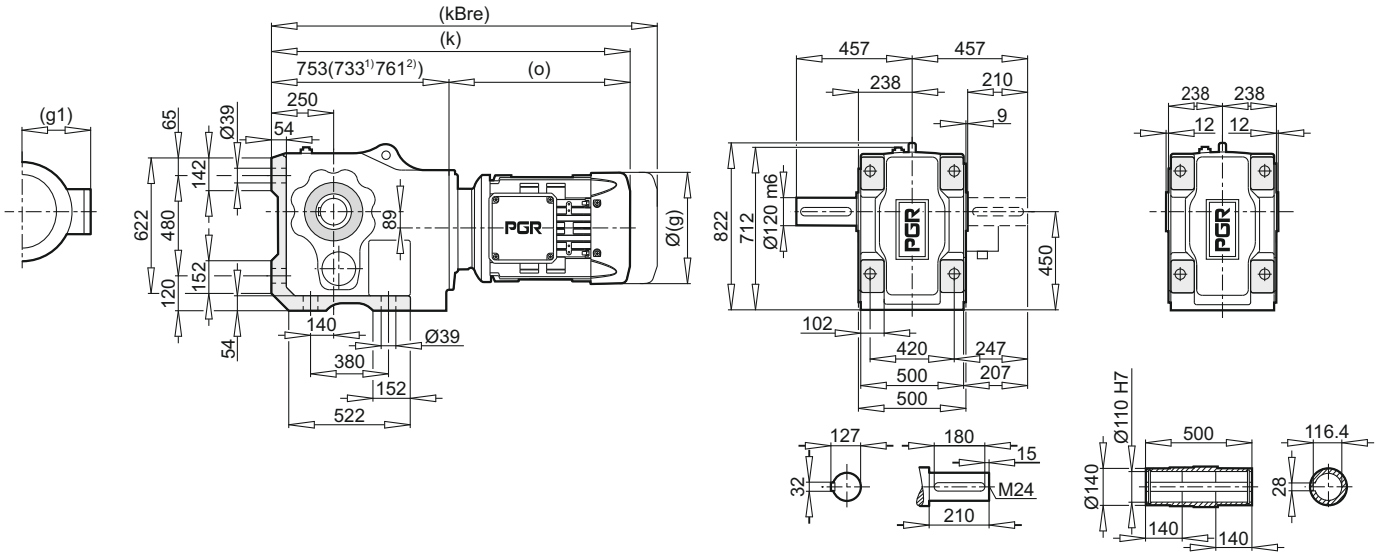
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD G 8390



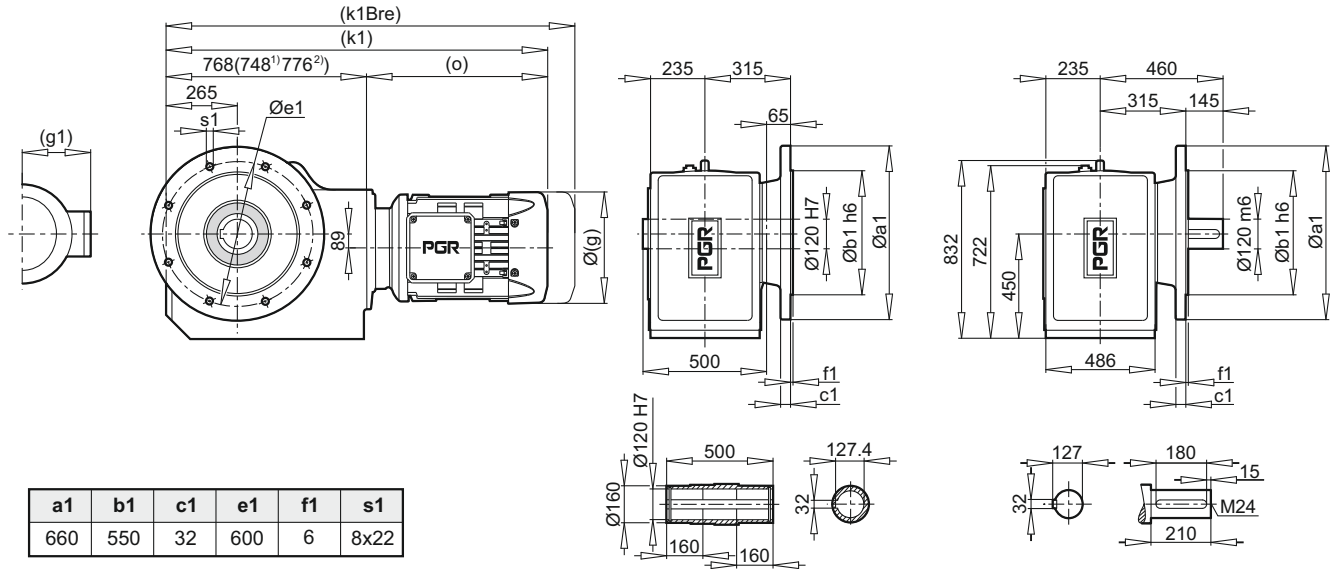
## PKD G 8390 TMA ...

## PKD G 8390 DA ...

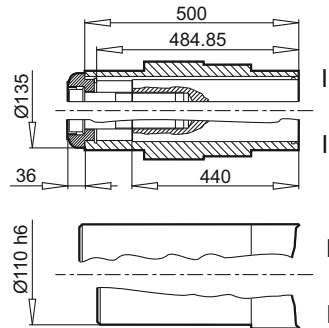


## PKD G 8390 DG / B5 ...

## PKD G 8390 TMG / B5 ...

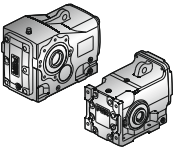


## PKD G 8390 DA / Ç ... 68 - 69

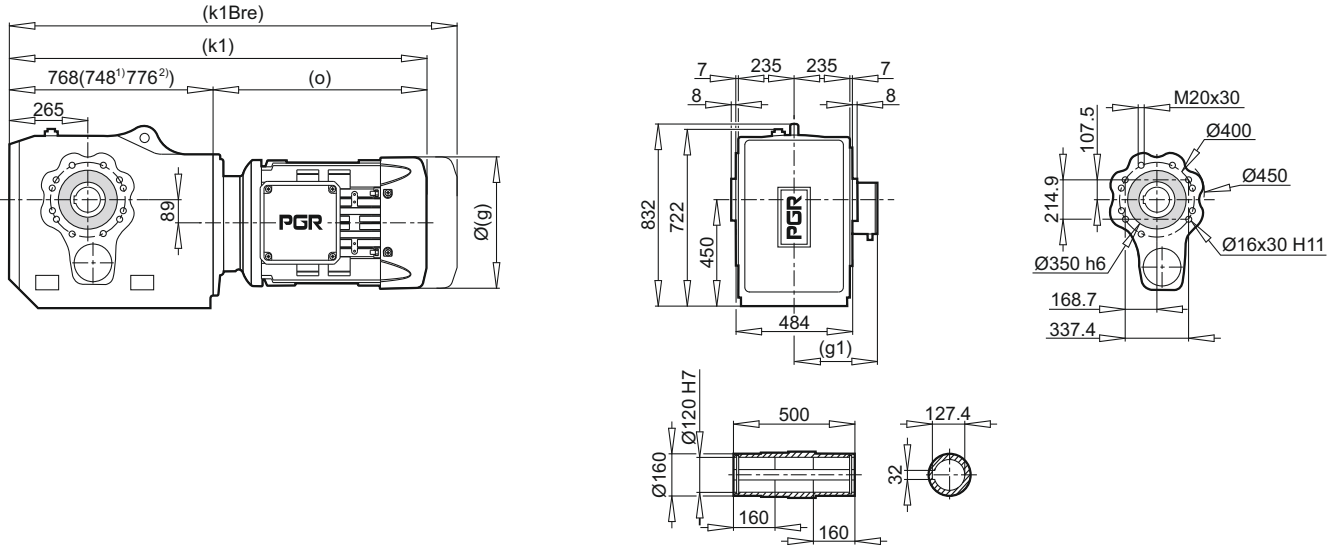


	132 S/M	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1)</sup>	280 M <sup>2)</sup>	315 S <sup>2)</sup>	315 M <sup>2)</sup>
<b>g</b>	279	323	370	415	456	495	527	-	-
<b>g1</b>	182	200	248	260	260	392	367	-	-
<b>k</b>	1116/1151	1217	1276	1371	1453	1377	1649	-	-
<b>kBre</b>	1224/1292	1369	1438	1518	1625	1507	-	-	-
<b>o</b>	363/398	464	523	618	700	644	888	-	-

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



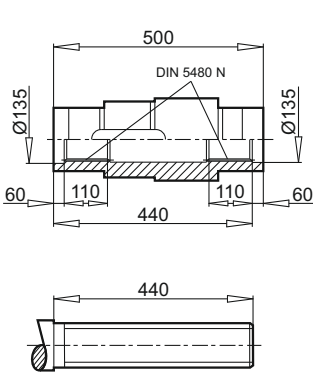
**PKD G 8390 DG / B14 ...**



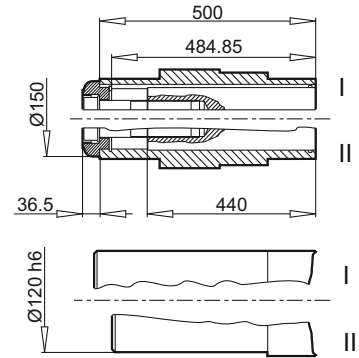
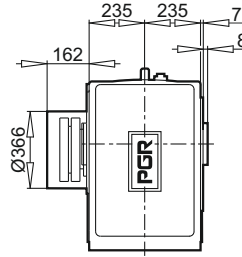
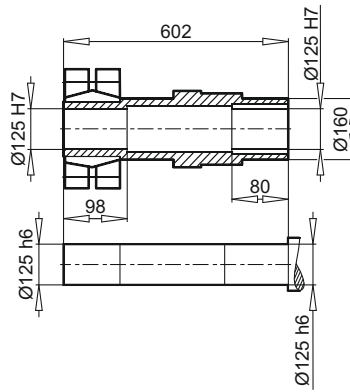
**PKD G 8390 DG / DIN 5480 ...**

**PKD G 8390 DG / KS ...**

**PKD G 8390 DG / Ç ...**



N130 x 5 x 30 x 24 x 9H



68 - 69

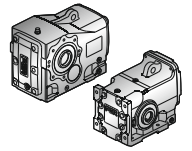
Konik sıkırtma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>amax</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	d <sub>xl</sub>	Zs	MA (Nm)
KS 125/158	20000	2.91	2.77	M16x80*	12	250

	132 S/M	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1</sup>	280 M <sup>2</sup>	315 S <sup>2</sup>	315 M <sup>2</sup>
<b>g</b>	279	323	370	415	456	495	527	-	-
<b>g1</b>	182	200	248	260	260	392	367	-	-
<b>k1</b>	1131/1166	1232	1291	1386	1468	1392	1664	-	-
<b>k1Bre</b>	1239/1307	1384	1453	1533	1640	1522	-	-	-
<b>o</b>	363/398	464	523	618	700	644	888	-	-

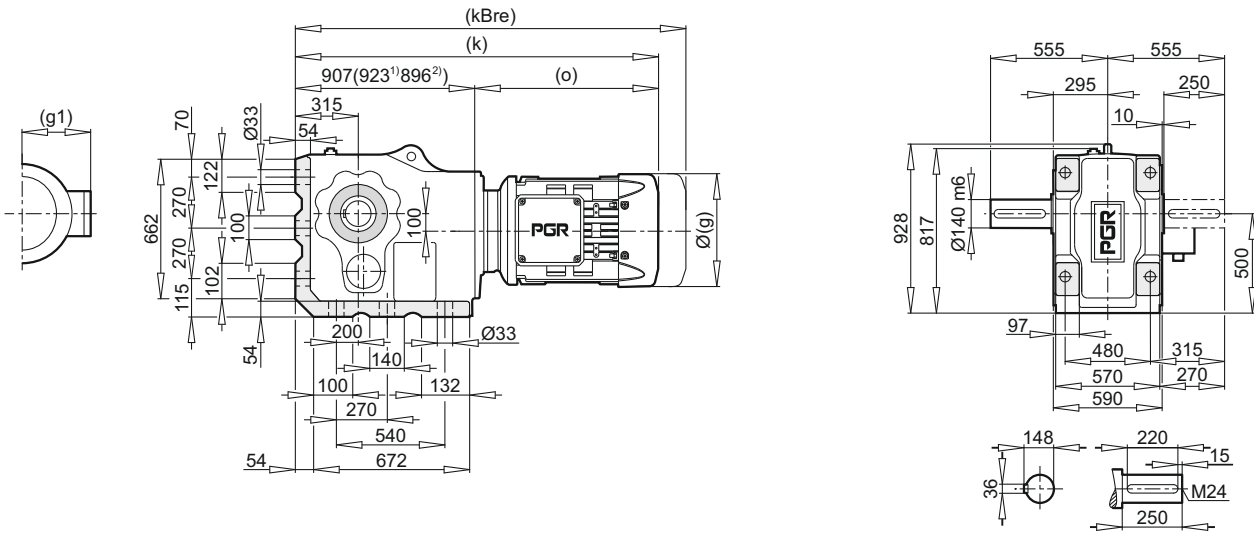
Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



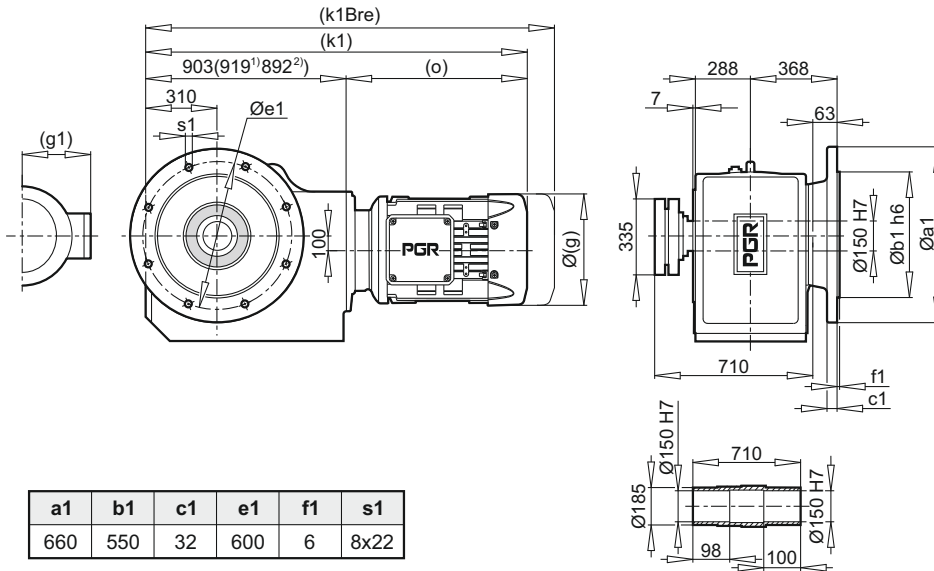
# PKD 9390



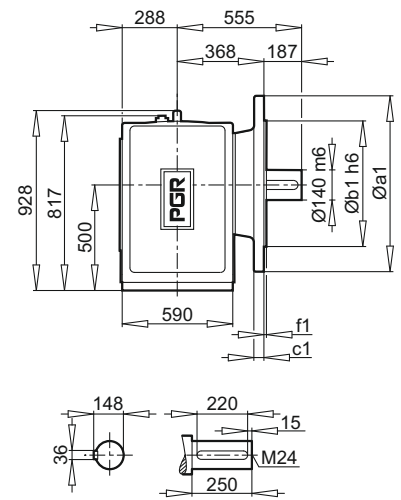
## PKD 9390 TMA ...



## PKD 9390 DG/ KS-B5 ...



## PKD 9390 TMG / B5 ...



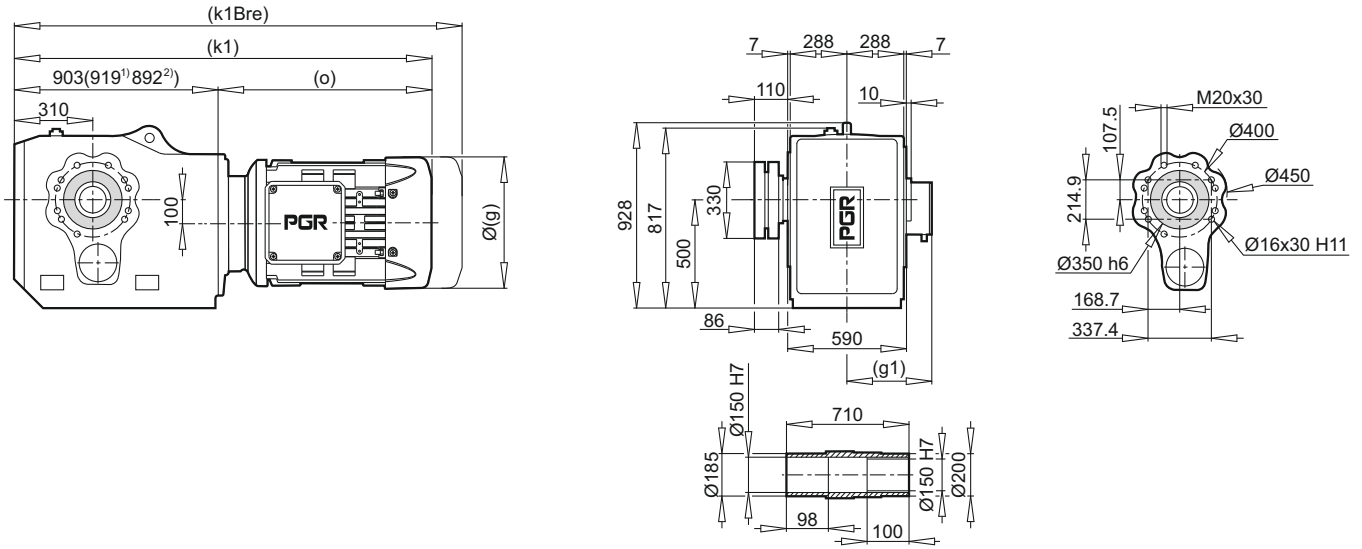
a1	b1	c1	e1	f1	s1
660	550	32	600	6	8x22

	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1</sup>	280 M <sup>2</sup>	315 S <sup>2</sup>	315 M <sup>2</sup>
<b>g</b>	323	370	415	456	495	527	-	-
<b>g1</b>	200	248	260	260	392	367	-	-
<b>k</b>	1371	1430	1525	1607	1567	1784	-	-
<b>kBre</b>	1523	1592	1672	1779	1697	-	-	-
<b>o</b>	464	523	618	700	644	888	-	-

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

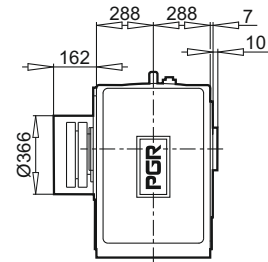
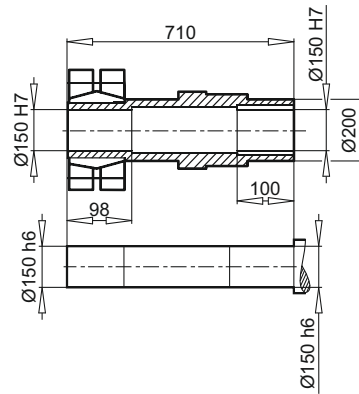
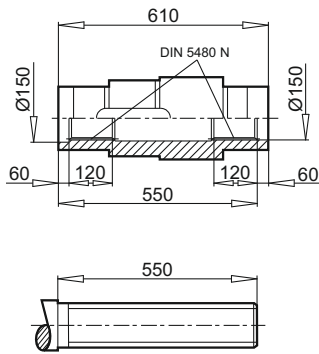


**PKD 9390 DG / KS-B14 ...**



**PKD 9390 DG / DIN 5480 ...**

**PKD 9390 DG / KS ...**



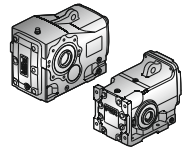
N140 x 3 x 30 x 45 x 9H

Konik sıkırtırma / Shrink disc				Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
Tip/Type	M <sub>2max</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 150/185	32000	2.66	2.56	M16x80*	14	250

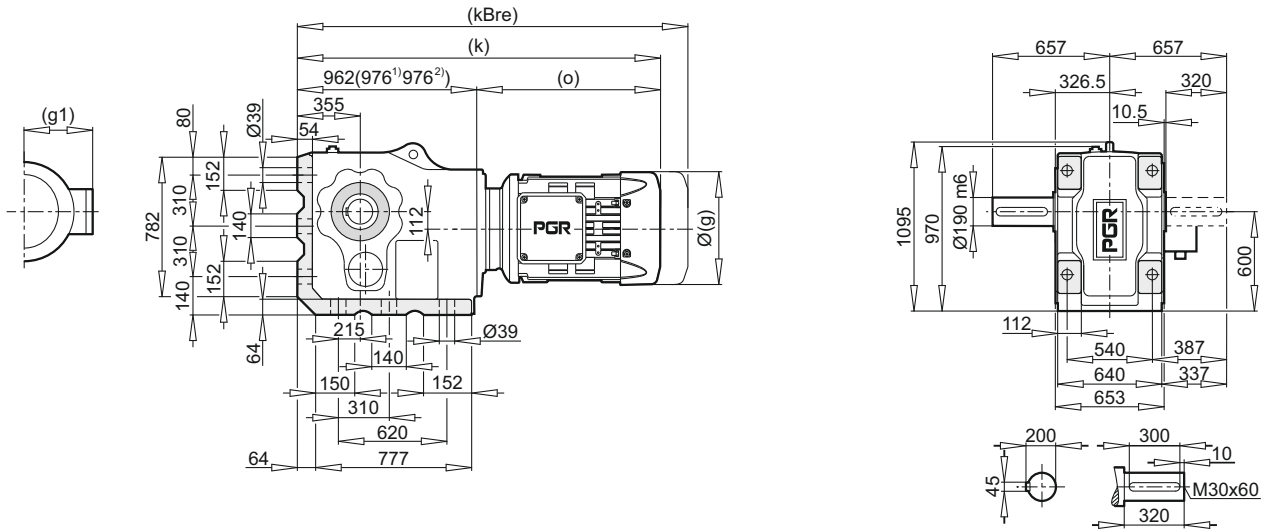
	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1)</sup>	280 M <sup>2)</sup>	315 S <sup>2)</sup>	315 M <sup>2)</sup>
<b>g</b>	323	370	415	456	495	527	-	-
<b>g1</b>	200	248	260	260	392	367	-	-
<b>k1</b>	1367	1426	1521	1603	1563	1780	-	-
<b>k1Bre</b>	1519	1588	1668	1775	1693	-	-	-
<b>o</b>	464	523	618	700	644	888	-	-

Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.

# PKD G 9390

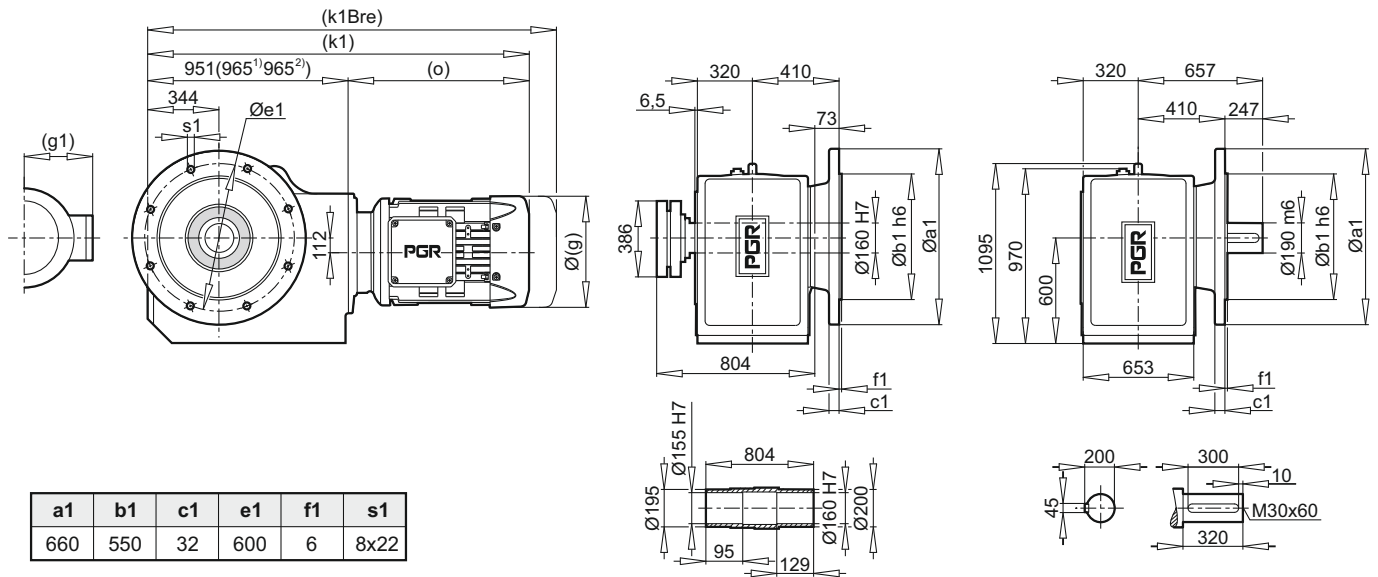


## PKD G 9390 TMA ...



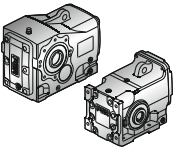
## PKD G 9390 DG/ KS-B5 ...

## PKD G 9390 TMG / B5 ...

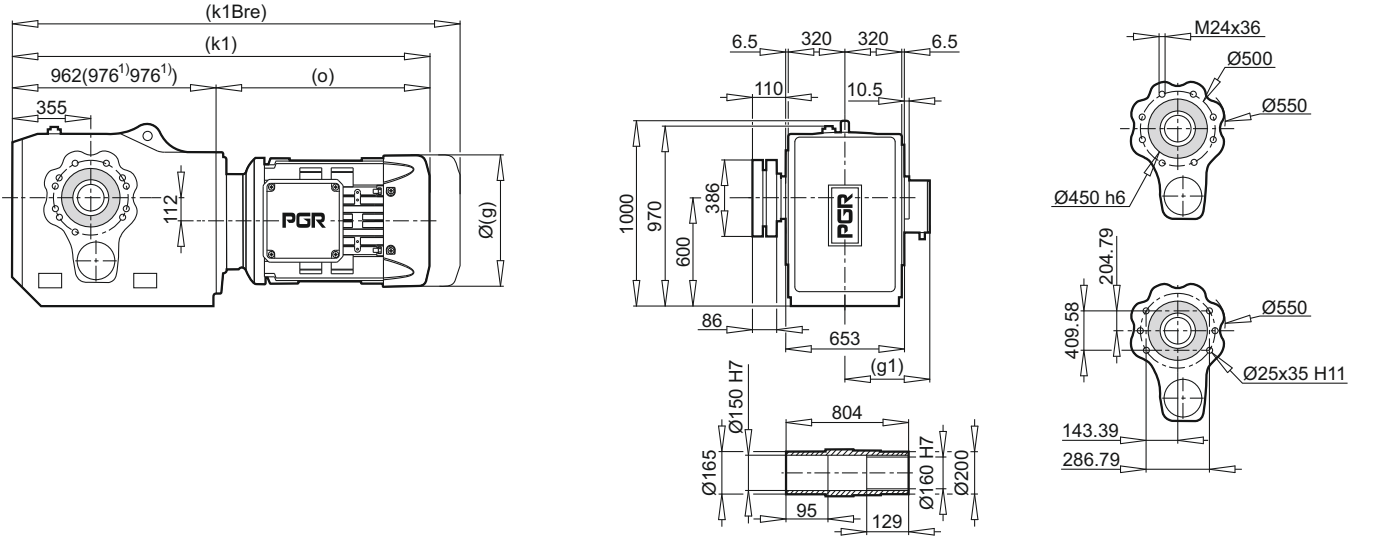


	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1)</sup>	280 M <sup>2)</sup>	315 S <sup>2)</sup>	315 M <sup>2)</sup>
<b>g</b>	323	370	415	456	495	527	-	-
<b>g1</b>	200	248	260	260	392	367	-	-
<b>k</b>	1426	1485	1580	1662	1623	1864	-	-
<b>kBre</b>	1578	1647	1727	1834	1753	-	-	-
<b>o</b>	464	523	618	700	647	888	-	-

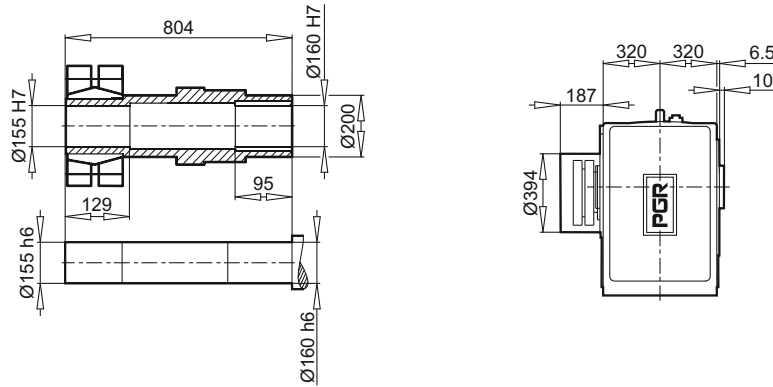
Not : (...) İşaretli olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



**PKD G 9390 DG / KS-B14 ...**



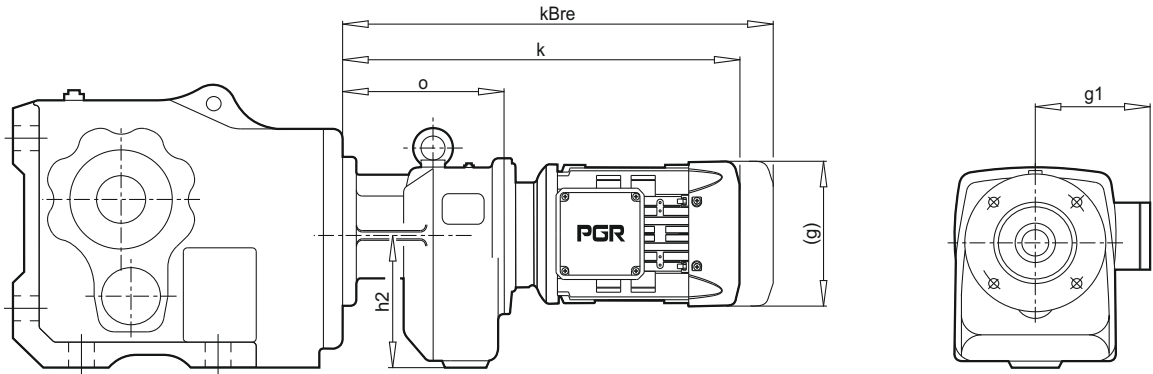
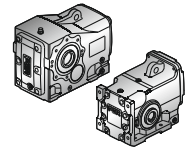
**PKD G 9390 DG / KS ...**



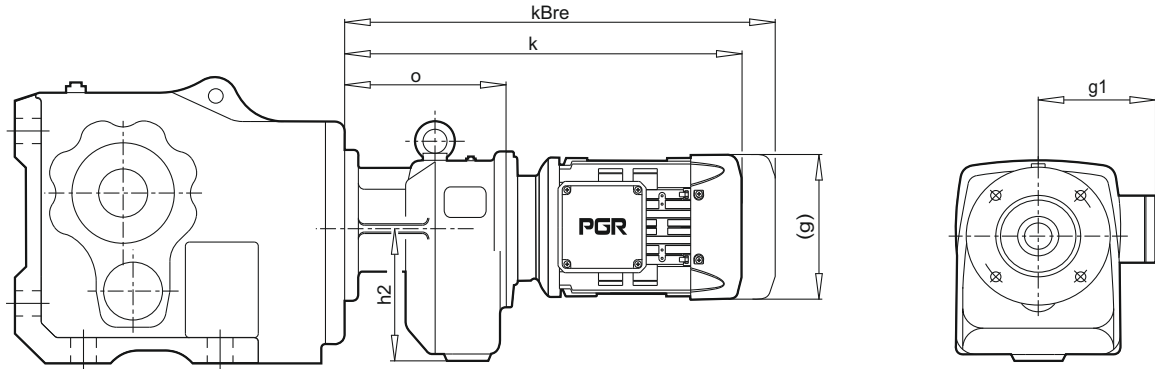
Tip/Type	Konik sıkırtma / Shrink disc			Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
	M <sub>2max</sub> (Nm)	s <sup>h6</sup>	s <sup>f6</sup>	dxl	Zs	MA (Nm)
KS 150/195	50000	2.71	2.61	M20x100*	14	490

	160 M/L	180 M/L	200 L	225 S/M	250 M <sup>1</sup>	280 M <sup>2</sup>	315 S <sup>2</sup>	315 M <sup>2</sup>
<b>g</b>	323	370	415	456	495	527	-	-
<b>g1</b>	200	248	260	260	392	367	-	-
<b>k1</b>	1426	1485	1580	1662	1623	1864	-	-
<b>k1Bre</b>	1578	1647	1727	1834	1753	-	-	-
<b>o</b>	464	523	618	700	647	888	-	-

Not : (...) İşaretili olan ölçüler Motor markasına göre farklılık gösterir / Note : Dimension which is designated by (...) depends on marks of motor.



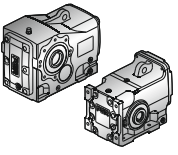
Tip / Type		g	g1	h2	o	k	kBre
<b>PKD 6390/32</b>	71 M	140	119	159	220	456	516
	80 M	159	127			544	
	90 S/L	193	151			505/525	578/598
	100 L	217	160			553	634
	112 M	232	168			598	678
	132 S/M	279	182			605/640	713/781
<b>PKD 6390/42</b>	90 S/L	193	151	179	262	527/547	600/620
	100 L	217	160			656	
	112 M	232	168			620	700
	132 S/M	279	182			627/662	735/803
<b>PKD 7390/32</b>	71 M	140	119	159	220	456	516
	80 M	159	127			544	
	90 S/L	193	151			505/525	578/598
	100 L	217	160			553	634
	112 M	232	168			598	678
	132 S/M	279	182			605/640	713/781
<b>PKD 7390/42</b>	90 S/L	193	151	179	262	527/547	600/620
	100 L	217	160			656	
	112 M	232	168			620	700
	132 S/M	279	182			627/62	735/803



Tip / Type		g	g1	h2	o	k	kBre
<b>PKD 8390/42</b>	90 S/L	193	151	179	262	527/547	600/620
	100 L	217	160			656	
	112 M	232	168			700	
	132 S/M	279	182			735/803	
	160 M/L	323	200			919	
<b>PKD 8390/52</b> <b>PKD G 8390/52</b>	90 S/L	193	151	218	301	566/586	639/659
	100 L	217	160			695	
	112 M	232	168			739	
	132 S/M	279	182			774	
	160 M/L	323	200			842	
	180 M/L	370	248			958	
<b>PKD 9390/52</b>	90 S/L	193	151	218	301	566/586	639/659
	100 L	217	160			695	
	112 M	232	168			739	
	132 S/M	279	182			774	
	160 M/L	323	200			842	
	180 M/L	370	248			958	
<b>PKD G9390/62</b>	100 L	217	160	245	402	714	795
	112 M	232	168			842	
	132 S/M	279	182			873/941	
	160 M/L	323	200			1018	
	180 M/L	370	248			1087	
	200 L	415	260			1167	
	225 S/M	456	260			1274	
<b>PKD G9390/63</b>	90 S/L	193	151	245	376	641/661	714/734
	100 L	217	160			770	
	112 M	232	168			814	
	132 S/M	279	182			849/917	
	160 M/L	323	200			1033	
	180 M/L	370	248			1117	
						955	

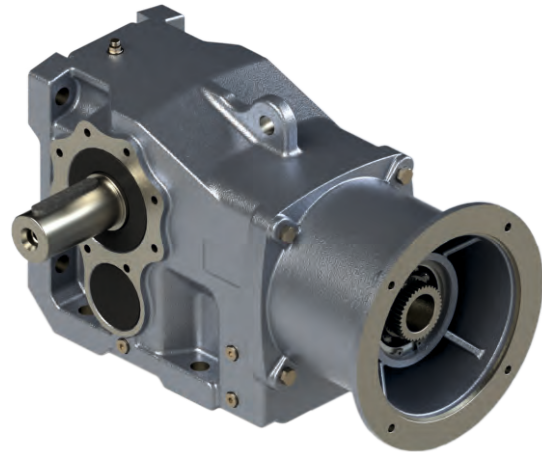
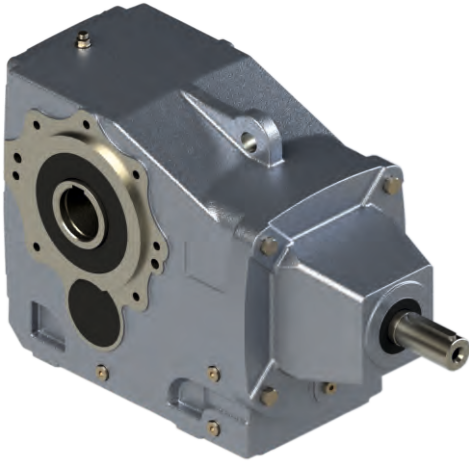
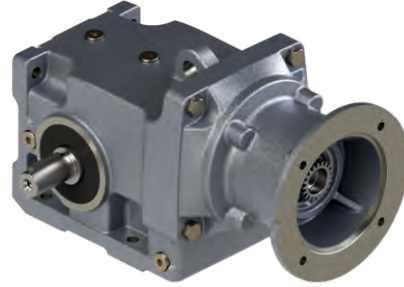


**PGR<sup>®</sup>**  
Drive Technologies

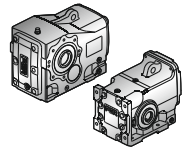


## W ve IEC Adaptörü Seçim Tabloları

### Selection Table of W and IEC Adapter







## W ve IEC adaptörü için yapısal performans tabloları

Structure of the performance tables : Type W and IEC

### PKD 3390 → Redüktör Tipi / Gear unit type

Motor gövde büyüklüğü ile IEC gövde büyüklüğü aynı olan IEC montajlı redüktörler için Servis faktörü  $f_B$  motor seçim sayfalarından alınabilir.

Operating factors  $f_B$  with the IEC version are identical to the those of the same motor output with direct motor mounting. The  $f_B$  values are listed on the pages specified.

IEC motor büyüklükleri ve IEC standart çıkışları DIN 50347' e göredir.

IEC motor sizes and IEC standart outputs as per DIN EN 50347

Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	$M_{amax}$ $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power $P_{1max}$ W $f_B \geq 1$				IEC $f_B \Rightarrow$ 73 - 120	DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu IEC Motor Frame Sizes And Rated Powers According to DIN 42677						
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]								
PKD 3390	296.10	4.70	1550	0.77	0.51	0.38	0.25	71	80	90*					
	250.01	5.60	1550	0.91	0.60	0.45	0.30	71	80	90*					
	234.13	6.00	1550	0.97	0.64	0.49	0.32		80	90*					
	197.69	7.10	1550	1.15	0.76	0.57	0.38		80	90*					
	188.22	7.40	1550	1.21	0.80	0.60	0.40			90*	100*	112*			
	158.92	8.80	1550	1.43	0.95	0.71	0.47			90*	100*	112*			
	139.49	10.00	1550	1.63	1.08	0.81	0.54								
					9.20	6.07	4.60	3.04							
					9.20	6.07	4.60	3.04							

Tip W azami tahrik gücü hesaplanırken *italik* olmayan değerler alınmıştır.  $P_{1max}$  ile  $f_B = 1$

Max. drive power type W non *italic* indicates: with  $P_{1max}$  the operating factor  $f_B = 1$

$P_{1max}$  hesaplanırken *italik* olan değerlerde  $f_B > 1$  alınmıştır.

*Italic* indicates: with  $P_{1max}$  the operating factor  $f_B > 1$

Max. çıkış momenti  
Max. output torque type W with  $f_B = 1$

Çıkış Devri  
Output speed

Redüktör Tahvili  
Reduction ratio

Redüktör Tipi  
Gear unit type

Yıldız işareti : Dikkat  
Tip W sütunundaki  $P_{1max}$  değerlerini aşmamalıdır.





Asterix indicates: caution, don't exceed the max. driver power  $P_{1max}$  as per Type W column

71	80
71	80
	80
	80

Rakamlı alanlar IEC adaptörünün, IEC motor büyüklüğü ve tahvil oranına uygun olduğunu belirtir.

Shaded field indicates IEC adapter is available for this IEC motor size and this reduction ratio

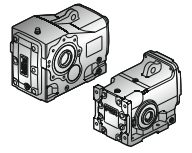


Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC			DIN 42677' ye Göre IEC Adaptöre Bağlanacak Motor Boyutu										
				$P_{1max}$ W $f_B \geq 1$				$f_B \Rightarrow$	73 - 120		IEC Motor Frame Sizes And Rated Powers According to DIN 42677										
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]														
<b>PKD A 0290</b> <b>W</b>   191-192-193 194 + IEC 231-232-233 234-235	54.62	25.6	50	0.13	0.09	0.07	0.04	63*													
	47.79	29.3	45	0.14	0.09	0.07	0.05	63*													
	39.64	35.3	80	0.30	0.20	0.15	0.10	63	71*												
	34.69	40.4	75	0.32	0.21	0.16	0.11	63	71*												
	30.13	46.5	70	0.34	0.23	0.17	0.11	63	71*	80*											
	26.36	53.1	90	0.50	0.33	0.25	0.17	63	71	80*											
	23.26	60.2	90	0.57	0.38	0.28	0.19	63	71	80*											
	20.35	68.8	90	0.65	0.43	0.32	0.22	63	71	80*											
	17.58	79.7	60	0.50	0.33	0.25	0.17	63	71	80*											
	13.57	103.2	75	0.81	0.54	0.41	0.27	63	71	80											
	11.05	126.7	90	1.19	0.79	0.60	0.40	63	71	80											
	9.67	144.8	90	1.36	0.91	0.68	0.45	63	71	80											
	8.99	155.8	90	1.47	0.98	0.73	0.49	63	71	80											
	7.86	178.1	90	1.50	0.99	0.75	0.50	63	71	80											
	6.45	217.2	85	1.50	0.99	0.75	0.50	63	71	80											
	5.78	242.2	80	1.50	0.99	0.75	0.50	63	71	80											
	5.24	267.1	80	1.50	0.99	0.75	0.50	63	71	80											
	3.85	363.2	80	1.50	0.99	0.75	0.50	63	71	80											
<b>PKD B 0290</b> <b>W</b>   195-196-197 198-199 + IEC 236-237-238 239-240	72.24	19.4	55	0.11	0.07	0.06	0.04	63*													
	63.21	22.1	50	0.12	0.08	0.06	0.04	63*													
	53.52	26.2	90	0.25	0.16	0.12	0.08	63	71*												
	46.83	29.9	75	0.23	0.16	0.12	0.08	63	71*												
	41.23	34.0	115	0.41	0.27	0.20	0.14	63	71	80*											
	36.08	38.8	100	0.41	0.27	0.20	0.13	63	71	80*											
	32.24	43.4	120	0.55	0.36	0.27	0.18	63	71	80*											
	28.21	49.6	120	0.62	0.41	0.31	0.21	63	71	80*											
	25.99	53.9	120	0.68	0.45	0.34	0.22			80*	90*										
	22.74	61.6	120	0.77	0.51	0.39	0.26			80	90*										
	18.81	74.4	85	0.66	0.44	0.33	0.22	63	71	80*											
	15.62	89.6	120	1.13	0.75	0.56	0.37	63	71	80	90*										
	13.48	103.9	120	1.31	0.87	0.65	0.43	63	71	80	90*										
	11.79	118.7	115	1.43	0.95	0.71	0.47	63	71	80	90*										
	10.35	135.3	110	1.50	0.99	0.75	0.50	63	71	80	90										
	9.06	154.6	105	1.50	0.99	0.75	0.50	63	71	80	90										
	8.00	174.9	100	1.50	0.99	0.75	0.50	63	71	80	90										
	7.05	198.6	95	1.50	0.99	0.75	0.50	63	71	80	90										
6.04	231.9	90	1.50	0.99	0.75	0.50	63	71	80	90											
5.34	262.3	85	1.50	0.99	0.75	0.50	63	71	80	90											
4.77	293.8	80	1.50	0.99	0.75	0.50	63	71	80	90											
4.11	340.5	75	1.50	0.99	0.75	0.50	63	71	80	90											

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk



Tip Type	Tahvil Reduction  i <sub>ges</sub>	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>amax</sub> f <sub>B=1</sub> 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC				DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu							
				P <sub>1max</sub>		W		f <sub>B</sub> ≥ 1		f <sub>B</sub> ⇨ 73 - 120				IEC Motor Frame Sizes And Rated Powers According to DIN 42677					
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]												
<b>PKD C 1290</b>	62.77	22.3	125	0.29	0.19	0.15	0.10	63	71*										
	54.92	25.5	110	0.29	0.20	0.15	0.10	63	71*										
	49.69	28.2	170	0.50	0.33	0.25	0.17	63	71	80*									
	W ↔ mm	43.48	32.2	150	0.51	0.34	0.25	0.17	63	71	80*								
	↔ mm	38.59	36.3	190	0.72	0.48	0.36	0.24	63	71	80*								
	↔ mm	33.76	41.5	185	0.80	0.53	0.40	0.27	63	71	80								
	↔ mm	31.27	44.8	190	0.89	0.59	0.45	0.30			80	90*							
	↔ mm	27.36	51.2	230	1.23	0.82	0.62	0.41			80	90*							
	↔ mm	24.32	57.6	210	1.27	0.84	0.63	0.42			80	90*							
	↔ mm	21.94	63.8	195	1.30	0.87	0.65	0.43			80	90*	100*						
	↔ mm	19.19	72.9	230	1.76	1.17	0.88	0.58			80	90	100*						
	↔ mm	17.06	82.1	230	1.98	1.31	0.99	0.66			80	90	100*						
	↔ mm	14.66	95.5	190	1.90	1.26	0.95	0.63	63	71	80	90							
	↔ mm	12.99	107.7	195	2.20	1.46	1.10	0.73	63	71	80	90	100*						
	↔ mm	11.37	123.1	195	2.51	1.67	1.26	0.84	63	71	80	90	100*						
	↔ mm	10.81	129.5	180	2.44	1.62	1.22	0.81	63	71	80	90	100*						
	↔ mm	9.47	147.8	175	2.71	1.80	1.35	0.90	63	71	80	90	100*						
	↔ mm	8.29	169.0	175	3.00	1.98	1.50	0.99	63	71	80	90	100						
	↔ mm	7.29	192.0	165	3.00	1.98	1.50	0.99	63	71	80	90	100						
	↔ mm	6.48	216.0	160	3.00	1.98	1.50	0.99	63	71	80	90	100						
↔ mm	5.97	234.4	155	3.00	1.98	1.50	0.99			80	90	100							
↔ mm	5.31	263.6	145	3.00	1.98	1.50	0.99			80	90	100							
<b>PKD F 4290</b>	59.20	23.6	375	0.93	0.62	0.46	0.31	63	71	80									
	51.80	27.0	345	0.98	0.65	0.49	0.32	63	71	80									
	48.01	29.2	375	1.15	0.76	0.57	0.38			80	90*								
	42.01	33.3	340	1.19	0.79	0.59	0.39			80	90*								
	W ↔ mm	37.34	37.5	330	1.30	0.86	0.65	0.43			80	90*							
	↔ mm	34.15	41.0	380	1.63	1.08	0.82	0.54			80	90	100*	112*					
	↔ mm	29.88	46.8	340	1.67	1.11	0.83	0.55			80	90	100*	112*					
	↔ mm	26.56	52.7	330	1.82	1.21	0.91	0.60			80	90	100*	112*					
	↔ mm	23.26	60.2	370	2.33	1.55	1.17	0.77					100*	112*	132*				
	↔ mm	20.35	68.8	340	2.45	1.63	1.22	0.81					100*	112*	132*				
	↔ mm	18.09	77.4	320	2.59	1.72	1.30	0.86					100*	112*	132*				
	↔ mm	16.08	87.1	370	3.37	2.24	1.69	1.12	63	71	80	90	100	112*	132*				
	↔ mm	14.07	99.5	340	3.54	2.35	1.77	1.18	63	71	80	90	100	112*	132*				
	↔ mm	12.63	110.8	340	3.95	2.62	1.97	1.31	63	71	80	90	100	112*	132*				
	↔ mm	10.98	127.5	335	4.47	2.97	2.24	1.48			80	90	100	112	132*				
	↔ mm	9.76	143.4	320	4.80	3.19	2.40	1.60			80	90	100	112	132*				
	↔ mm	8.67	161.4	320	5.41	3.59	2.70	1.80			80	90	100	112	132*				
	↔ mm	7.71	181.6	310	5.90	3.92	2.95	1.96					100	112	132*				
	↔ mm	6.80	205.9	295	6.36	4.23	3.18	2.11					100	112	132*				
	↔ mm	5.92	236.5	280	6.93	4.61	3.47	2.30					100	112	132*				
↔ mm	5.45	256.8	265	7.13	4.73	3.56	2.37							132*					
↔ mm	4.85	288.9	265	8.02	5.33	4.01	2.66							132*					

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılırsa P<sub>1max</sub> değerleri aşılmamalıdır - Do not exceed the P<sub>1max</sub> values indicated on fields with asterisk



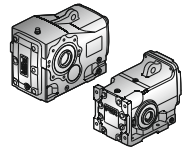
Tip Type	Tahvil Reduction  i <sub>ges</sub>	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>amax</sub> f <sub>B=1</sub> 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC f <sub>B</sub> ⇨ 73 - 120							DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu IEC Motor Frame Sizes And Rated Powers According to DIN 42677					
				P <sub>1max</sub> W f <sub>B</sub> ≥ 1				f <sub>B</sub> ⇨												
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]	63*	71*											
<b>PKD 1490</b>  W mm 207-212-215 220-227 + IEC mm 250-259-265 273-282	1690.91	0.83	400	0.03	0.02	0.02	0.01	63*	71*											
	1412.66	1.00	400	0.04	0.03	0.02	0.01	63*	71*											
	1255.89	1.10	400	0.05	0.03	0.02	0.02	63*	71*											
	848.31	1.70	400	0.07	0.05	0.03	0.02	63*	71*											
	668.11	2.10	400	0.09	0.06	0.04	0.03	63*	71*											
	590.51	2.40	400	0.10	0.07	0.05	0.03	63*	71*											
	440.14	3.20	400	0.13	0.09	0.07	0.04	63*	71*											
	320.68	4.40	400	0.18	0.12	0.09	0.06	63	71*											
	282.43	5.00	400	0.21	0.14	0.10	0.07	63	71*											
	213.26	6.60	400	0.27	0.18	0.14	0.09	63	71*											
	178.17	7.90	400	0.33	0.22	0.16	0.11	63	71*											
	141.69	9.90	400	0.41	0.27	0.21	0.14	63	71											
	<b>PKD 1390</b>  W mm 205-211-214 218-224 + IEC mm 246-255-262 269-278	332.51	4.20	400	0.18	0.11	0.09	0.06	63	71*										
280.80		5.00	400	0.21	0.14	0.10	0.07	63	71*											
246.59		5.70	400	0.24	0.16	0.12	0.08	63	71*											
206.01		6.80	400	0.28	0.19	0.14	0.09	63	71*											
183.15		7.60	400	0.32	0.21	0.16	0.11		71*	80*										
166.82		8.40	400	0.35	0.23	0.18	0.12	63	71*											
140.87		9.90	400	0.42	0.28	0.21	0.14	63	71											
123.71		11.30	400	0.47	0.31	0.24	0.16	63	71											
109.98		12.70	400	0.53	0.35	0.27	0.18		71	80*										
<b>97.43</b>		<b>14.40</b>	400	0.60	0.40	0.30	0.20	63	71	80*	90*									
<b>86.12</b>		<b>16.30</b>	400	0.68	0.45	0.34	0.23	63	71	80*	90*									
<b>76.68</b>		<b>18.30</b>	400	0.76	0.51	0.38	0.25	63	71	80	90*	100*	112*							
<b>62.74</b>		<b>22.30</b>	400	0.93	0.62	0.47	0.31	63	71	80	90*	100*	112*							
<b>55.26</b>		<b>25.30</b>	400	1.06	0.70	0.53	0.35	63	71	80	90*	100*	112*							
<b>48.92</b>		<b>28.60</b>	400	1.20	0.80	0.60	0.40	63	71	80	90*	100*	112*							
<b>41.72</b>		<b>33.60</b>	400	1.41	0.93	0.70	0.47	63	71	80	90*	100*	112*							
<b>34.86</b>		<b>40.20</b>	400	1.68	1.12	0.84	0.56	63	71	80	90	100*	112*							
<b>31.48</b>		<b>44.50</b>	400	1.86	1.24	0.93	0.62	63	71	80	90	100*	112*							
<b>27.72</b>		<b>50.50</b>	400	2.12	1.41	1.06	0.70	63	71	80	90	100*	112*							
<b>24.55</b>		<b>57.00</b>	400	2.39	1.59	1.19	0.79	63	71	80	90	100*	112*							
<b>20.93</b>		<b>66.90</b>	400	2.80	1.86	1.40	0.93	63	71	80	90	100*	112*							
<b>17.49</b>		<b>80.00</b>	380	3.19	2.12	1.59	1.06	63	71	80	90	100*	112*							
<b>15.27</b>		<b>91.70</b>	380	3.65	2.42	1.82	1.21	63	71	80	90	100*	112*							
<b>12.27</b>	<b>114.10</b>	220	2.63	1.75	1.31	0.87	63	71	80	90	100*	112*								
<b>10.86</b>	<b>128.90</b>	200	2.70	1.79	1.35	0.90	63	71	80	90	100*	112*								
<b>9.26</b>	<b>151.20</b>	195	3.09	2.05	1.54	1.03	63	71	80	90	100	112*								
<b>8.09</b>	<b>173.10</b>	180	3.26	2.17	1.63	1.08	63	71	80	90	100	112*								







IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılırsa P<sub>1max</sub> değerleri aşılmamalıdır - Do not exceed the P<sub>1max</sub> values indicated on fields with asterisk

PKD G 1490  
PKD G 1390



Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC		DIN 42677' ye Göre IEC Adaptöre Bağlanacak Motor Boyutu									
				$P_{1max}$ W $f_B \geq 1$				$f_B \Rightarrow$ 73 - 120		IEC Motor Frame Sizes And Rated Powers According to DIN 42677									
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]	$f_B$											
<b>PKD G 1490</b> <b>W</b>   207-212-215 220-227 + <b>IEC</b>  250-259-265 273-282	1412.66	1.00	610	0.06	0.04	0.03	0.02	63*	71*										
	1255.89	1.10	610	0.07	0.05	0.04	0.02	63*	71*										
	630.06	2.20	610	0.14	0.09	0.07	0.05	63*	71*										
	558.17	2.50	610	0.16	0.11	0.08	0.05	63*	71*										
	493.33	2.80	610	0.18	0.12	0.09	0.06	63	71*										
	367.72	3.80	610	0.24	0.16	0.12	0.08	63	71*										
	267.91	5.20	610	0.33	0.22	0.17	0.11	63	71*										
	235.95	5.90	610	0.37	0.24	0.19	0.12	63	71										
	178.17	7.90	570	0.37	0.24	0.19	0.12	63	71										
	134.41	10.40	430	0.37	0.24	0.19	0.12	63	71										
<b>PKD G 1390</b> <b>W</b>   205-211-214 218-224 + <b>IEC</b>  246-255-262 269-278	277.79	5.00	590	0.31	0.21	0.16	0.10	63	71										
	234.59	6.00	590	0.37	0.24	0.18	0.12	63	71										
	206.01	6.80	610	0.43	0.29	0.22	0.14	63	71										
	183.15	7.60	610	0.49	0.32	0.24	0.16		71	80*									
	149.85	9.30	610	0.60	0.40	0.30	0.20		71	80*									
	142.45	9.80	610	0.63	0.42	0.31	0.21		71	80*									
	116.55	12.00	610	0.77	0.51	0.38	0.25		71	80									
	91.88	15.20	500	0.80	0.53	0.40	0.26		71	80									
	<b>81.40</b>	<b>17.20</b>	600	1.08	0.72	0.54	0.36	63	71	80	90*								
	<b>71.94</b>	<b>19.50</b>	600	1.22	0.81	0.61	0.41	63	71	80	90*								
	<b>64.06</b>	<b>21.90</b>	610	1.40	0.93	0.70	0.46	63	71	80	90*	100*	112						
	<b>52.42</b>	<b>26.70</b>	610	1.71	1.13	0.85	0.57	63	71	80	90	100*	112*						
	<b>46.16</b>	<b>30.30</b>	610	1.94	1.29	0.97	0.64	63	71	80	90	100*	112*						
	<b>40.87</b>	<b>34.30</b>	600	2.15	1.43	1.08	0.71	63	71	80	90	100*	112*						
	<b>34.86</b>	<b>40.20</b>	600	2.52	1.68	1.26	0.84	63	71	80	90	100*	112*						
	<b>30.44</b>	<b>46.00</b>	600	2.89	1.92	1.44	0.96	63	71	80	90	100*	112*						
	<b>26.30</b>	<b>53.20</b>	600	3.34	2.22	1.67	1.11	63	71	80	90	100	112*						
	<b>23.16</b>	<b>60.40</b>	520	3.29	2.19	1.65	1.09	63	71	80	90	100	112*						
	<b>20.51</b>	<b>68.30</b>	580	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>17.49</b>	<b>80.00</b>	540	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
<b>15.27</b>	<b>91.70</b>	520	4.00	2.64	2.00	1.32	63	71	80	90	100	112							
<b>12.49</b>	<b>112.10</b>	520	4.00	2.64	2.00	1.32	63	71	80	90	100	112							

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılırsa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk

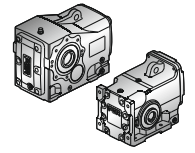


Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power $P_{1max}$ W $f_B \geq 1$				IEC $f_B \Rightarrow$ 73 - 120 DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu IEC Motor Frame Sizes And Rated Powers According to DIN 42677											
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]												
<b>PKD H 5290</b>	63.96	21.9	460	1.05	0.70	0.53	0.35	63	71	80									
	55.96	25.0	400	1.05	0.70	0.52	0.35	63	71	80									
	52.42	26.7	575	1.61	1.07	0.80	0.53			80	90								
	<b>W</b> 45.86	30.5	505	1.61	1.07	0.81	0.54			80	90								
	40.77	34.3	450	1.62	1.07	0.81	0.54			80	90								
	36.59	38.3	660	2.64	1.76	1.32	0.88			80	90	100*	112*						
	32.02	43.7	630	2.88	1.92	1.44	0.96			80	90	100*	112*						
	<b>+</b> 28.46	49.2	600	3.09	2.05	1.55	1.03			80	90	100	112*						
	<b>IEC</b> 25.37	55.2	650	3.76	2.49	1.88	1.25					100	112*	132*					
	22.20	63.1	620	4.09	2.72	2.05	1.36					100	112	132*					
	19.73	70.9	600	4.46	2.96	2.23	1.48					100	112	132*					
	17.84	78.5	585	4.81	3.19	2.40	1.60	63	71	80	90	100	112	132*					
	15.61	89.7	585	5.49	3.65	2.75	1.82	63	71	80	90	100	112	132*					
	13.88	100.9	535	5.65	3.75	2.83	1.88			80	90	100	112	132*					
	12.40	112.9	515	6.09	4.04	3.04	2.02			80	90	100	112	132*					
	10.85	129.0	515	6.96	4.62	3.48	2.31			80	90	100	112	132*					
	9.64	145.3	495	7.53	5.00	3.77	2.50					100	112	132*					
	8.56	163.5	495	8.47	5.63	4.24	2.81					100	112	132*					
	7.59	184.5	475	9.20	6.07	4.60	3.04					100	112	132*					
	6.42	217.9	450	9.20	6.07	4.60	3.04					100	112	132					
6.11	229.1	420	9.20	6.07	4.60	3.04							132						
5.43	257.7	425	9.20	6.07	4.60	3.04								132					
4.80	291.9	410	9.20	6.07	4.60	3.04									132				

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk

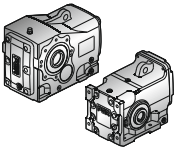


Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC		DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu									
				$P_{1max}$ W $f_B \geq 1$				$f_B \Rightarrow$ 73 - 120		According to DIN 42677 IEC motor power depend on pole number of motor.									
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]												
<b>PKD 2490</b>  W $\leftarrow \text{mm} \rightarrow$  + IEC $\leftarrow \text{mm} \rightarrow$ 	1898.52	0.74	860	0.07	0.04	0.03	0.02	63*	71*										
	1504.07	0.93	860	0.08	0.06	0.04	0.03	63*	71*										
	1121.09	1.20	860	0.11	0.07	0.06	0.04	63*	71*										
	952.47	1.50	860	0.13	0.09	0.07	0.04	63*	71*										
	754.58	1.90	860	0.17	0.11	0.08	0.06	63*	71*										
	678.31	2.10	860	0.19	0.12	0.09	0.06	63	71*										
	562.44	2.50	860	0.22	0.15	0.11	0.07	63	71*										
	473.11	3.00	860	0.27	0.18	0.13	0.09	63	71*										
	339.72	4.10	860	0.37	0.24	0.19	0.12	63	71										
	297.67	4.70	860	0.37	0.24	0.19	0.12	63	71										
228.98	6.10	650	0.37	0.24	0.19	0.12	63	71											
<b>PKD 2390</b>  W $\leftarrow \text{mm} \rightarrow$  + IEC $\leftarrow \text{mm} \rightarrow$ 	276.87	5.10	800	0.42	0.28	0.21	0.14	63	71										
	232.89	6.00	700	0.44	0.29	0.22	0.15	63	71										
	219.34	6.40	860	0.57	0.38	0.29	0.19		71	80*									
	184.51	7.60	860	0.68	0.45	0.34	0.23		71	80*									
	169.88	8.20	860	0.74	0.49	0.37	0.25		71	80*									
	137.63	10.20	860	0.92	0.61	0.46	0.30			80									
	115.77	12.10	860	1.09	0.72	0.54	0.36			80									
	<b>98.92</b>	<b>14.20</b>	860	1.27	0.85	0.64	0.42	63	71	80	90*								
	85.23	16.40	860	1.48	0.98	0.74	0.49		71	80									
	<b>78.85</b>	<b>17.80</b>	860	1.60	1.06	0.80	0.53	63	71	80	90	100*	112*						
	<b>66.47</b>	<b>21.10</b>	860	1.90	1.26	0.95	0.63	63	71	80	90	100*	112*						
	<b>58.24</b>	<b>24.00</b>	860	2.16	1.44	1.08	0.72	63	71	80	90	100*	112*						
	<b>52.11</b>	<b>26.90</b>	860	2.42	1.61	1.21	0.80	63	71	80	90	100*	112*						
	<b>48.99</b>	<b>28.60</b>	860	2.57	1.71	1.29	0.85	63	71	80	90	100*	112*						
	<b>44.80</b>	<b>31.20</b>	860	2.81	1.87	1.41	0.93	63	71	80	90	100*	112*						
	<b>39.70</b>	<b>35.30</b>	860	3.18	2.11	1.59	1.05	63	71	80	90	100	112*						
	<b>33.28</b>	<b>42.10</b>	860	3.79	2.52	1.89	1.26	63	71	80	90	100	112*						
	<b>31.43</b>	<b>44.50</b>	820	3.82	2.54	1.91	1.27				90	100	112*						
	<b>29.22</b>	<b>47.90</b>	860	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>26.14</b>	<b>53.60</b>	860	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>24.58</b>	<b>57.00</b>	860	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>22.48</b>	<b>62.30</b>	780	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>19.92</b>	<b>70.30</b>	760	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>17.52</b>	<b>79.90</b>	720	4.00	2.64	2.00	1.32				90	100	112						
	<b>16.29</b>	<b>85.90</b>	620	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>14.58</b>	<b>96.00</b>	580	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>12.53</b>	<b>111.70</b>	540	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
	<b>11.11</b>	<b>126.00</b>	520	4.00	2.64	2.00	1.32	63	71	80	90	100	112						
<b>8.79</b>	<b>159.30</b>	480	4.00	2.64	2.00	1.32				90	100	112							

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılırsa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk



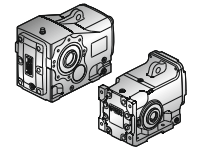
Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC				DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu According to DIN 42677 IEC motor power depend on pole number of motor.								
				$P_{1max}$ W $f_B \geq 1$				$f_B \Rightarrow$ 73 - 120												
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]													
<b>PKD 3490</b>  W $\leftarrow \text{mm} \rightarrow$ 207-212-215 220-227  + IEC $\leftarrow \text{mm} \rightarrow$ 250-259-265 273-282	3637.83	0.38	1550	0.06	0.04	0.03	0.02	63*	71*											
	2429.08	0.58	1550	0.09	0.06	0.05	0.03	63*	71*											
	1825.06	0.77	1550	0.12	0.08	0.06	0.04	63*	71*											
	1363.01	1.00	1550	0.17	0.11	0.08	0.06	63*	71*											
	1151.03	1.20	1550	0.20	0.13	0.10	0.07	63	71*											
	873.20	1.60	1550	0.26	0.17	0.13	0.09	63	71*											
	691.75	2.00	1550	0.33	0.22	0.16	0.11	63	71*											
	538.92	2.60	1550	0.42	0.28	0.21	0.14	63	71											
	<b>399.39</b>	<b>3.50</b>	1550	0.57	0.38	0.28	0.19	63	71	80*	90*									
	$\leftarrow \text{mm} \rightarrow$ <b>353.00</b>	<b>4.00</b>	1550	0.64	0.43	0.32	0.21	63	71	80*	90*									
	250-259-265 273-282 <b>267.79</b>	<b>5.20</b>	1550	0.85	0.56	0.42	0.28	63	71	80	90*									
	<b>215.12</b>	<b>6.50</b>	1550	1.06	0.70	0.53	0.35	63	71	80	90*									
	<b>167.59</b>	<b>8.40</b>	1550	1.10	0.73	0.55	0.37	63	71	80	90									
	<b>PKD 3390</b>  W $\leftarrow \text{mm} \rightarrow$ 205-211-214 218-224  + IEC $\leftarrow \text{mm} \rightarrow$ 246-255-262 269-278	296.10	4.70	1550	0.77	0.51	0.38	0.25	71	80	90*									
250.01		5.60	1550	0.91	0.60	0.45	0.30	71	80	90*										
234.13		6.00	1550	0.97	0.64	0.49	0.32		80	90*										
197.69		7.10	1550	1.15	0.76	0.57	0.38		80	90*										
188.22		7.40	1550	1.21	0.80	0.60	0.40			90*	100*	112*								
158.92		8.80	1550	1.43	0.95	0.71	0.47			90*	100*	112*								
139.49		10.00	1550	1.63	1.08	0.81	0.54			90										
117.78		11.90	1550	1.93	1.28	0.96	0.64			90										
<b>110.94</b>		<b>12.60</b>	1550	2.05	1.36	1.02	0.68	71	80	90	100*	112*								
246-255-262 269-278 <b>93.67</b>		<b>14.90</b>	1550	2.43	1.61	1.21	0.81	71	80	90	100*	112*								
<b>84.16</b>		<b>16.60</b>	1550	2.70	1.79	1.35	0.90	71	80	90	100*	112*								
<b>75.92</b>		<b>18.40</b>	1550	2.99	1.99	1.50	0.99	71	80	90	100*	112*								
<b>64.11</b>		<b>21.80</b>	1550	3.54	2.35	1.77	1.18	71	80	90	100	112*								
<b>59.15</b>		<b>23.70</b>	1550	3.84	2.55	1.92	1.28	71	80	90	100	112*	132*							
<b>49.94</b>		<b>28.00</b>	1550	4.55	3.02	2.27	1.51	71	80	90	100	112	132*							
<b>47.67</b>		<b>29.40</b>	1550	4.77	3.17	2.38	1.58			90	100	112	132*							
<b>40.37</b>		<b>34.70</b>	1550	5.63	3.74	2.81	1.87			90	100	112	132*							
<b>38.09</b>		<b>36.80</b>	1550	5.97	3.96	2.98	1.98	71	80	90	100	112								
<b>35.65</b>		<b>39.30</b>	1550	6.37	4.23	3.19	2.12	71	80	90	100	112								
<b>29.67</b>		<b>47.20</b>	1500	7.41	4.92	3.71	2.46	71	80	90	100	112	132*							
<b>25.06</b>		<b>55.90</b>	1500	8.77	5.83	4.39	2.91	71	80	90	100	112	132*							
<b>23.92</b>		<b>58.50</b>	1550	9.20	6.07	4.60	3.04			90	100	112	132							
<b>20.25</b>		<b>69.10</b>	1500	9.20	6.07	4.60	3.04			90	100	112	132							
<b>17.10</b>		<b>81.90</b>	1450	9.20	6.07	4.60	3.04			90	100	112	132							
<b>15.73</b>		<b>89.00</b>	1400	9.20	6.07	4.60	3.04			90	100	112	132							
<b>13.54</b>		<b>103.40</b>	1350	9.20	6.07	4.60	3.04			90	100	112	132							
<b>12.68</b>		<b>110.40</b>	1000	9.20	6.07	4.60	3.04			90	100	112	132							
<b>10.74</b>	<b>130.40</b>	900	9.20	6.07	4.60	3.04			90	100	112	132								
<b>8.50</b>	<b>164.70</b>	880	9.20	6.07	4.60	3.04			90	100	112	132								

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

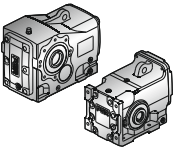
80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk





Tip Type	Tahvil Reduction <i>i</i> <sub>ges</sub>	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm <i>n</i> <sub>2</sub> [min <sup>-1</sup> ]	<i>M</i> <sub>amax</sub> <i>f</i> <sub>B</sub> =1 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power <i>P</i> <sub>1max</sub> W <i>f</i> <sub>B</sub> ≥ 1				IEC <i>f</i> <sub>B</sub> ⇨ 73 - 120					DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu According to DIN 42677 IEC motor power depend on pole number of motor.		
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]	<i>f</i> <sub>B</sub>							
<b>PKD 4490</b>  W $\leftarrow$ mm 207-212-215 220-227  + IEC $\leftarrow$ mm 250-259-265 273-282	4243.27	0.33	2800	0.10	0.06	0.05	0.03	71*	80*						
	3361.66	0.42	2800	0.12	0.08	0.06	0.04	71*	80*	90*					
	3023.46	0.46	2800	0.14	0.09	0.07	0.05	71*	80*						
	2395.28	0.58	2800	0.17	0.11	0.09	0.06	71*	80*	90*					
	2128.80	0.66	2800	0.19	0.13	0.10	0.06	71*	80*						
	1516.84	0.92	2800	0.27	0.18	0.14	0.09	71*	80*						
	1113.75	1.30	2800	0.37	0.24	0.18	0.12	71	80*						
	882.35	1.60	2800	0.47	0.31	0.23	0.15	71	80*	90*					
	644.73	2.20	2800	0.64	0.42	0.32	0.21	71	80*	90*					
	567.85	2.50	2800	0.72	0.48	0.36	0.24	71	80*	90*					
	404.53	3.50	2800	1.01	0.67	0.51	0.34			90*	100*	112*			
	<b>350.42</b>	<b>4.00</b>	2800	1.17	0.78	0.59	0.39	71	80	90*	100*	112*			
	<b>278.98</b>	<b>5.00</b>	2800	1.47	0.98	0.74	0.49	71	80	90*	100*	112*			
	<b>204.13</b>	<b>6.90</b>	2800	2.01	1.34	1.01	0.67	71	80	90	100*	112*			
	<b>172.07</b>	<b>8.10</b>	2800	2.20	1.45	1.10	0.73	71	80	90	100*	112*			
<b>PKD 4390</b>  W $\leftarrow$ mm 205-211-214 218-224  + IEC $\leftarrow$ mm 247-256-262 270-278	329.57	4.20	2800	1.25	0.83	0.62	0.41	90*							
	273.80	5.10	2800	1.50	1.00	0.75	0.50	90							
	234.83	6.00	2800	1.75	1.16	0.87	0.58	90	100*	112*					
	195.09	7.20	2800	2.10	1.40	1.05	0.70	90	100*	112*					
	165.34	8.50	1500	1.33	0.88	0.66	0.44	90							
	159.93	8.80	2800	2.57	1.70	1.28	0.85		100*	112*	132*				
	132.86	10.50	2800	3.09	2.05	1.54	1.03		100	112*	132*				
	117.81	11.90	2400	2.99	1.98	1.49	0.99	90	100	112*					
	<b>95.57</b>	<b>14.60</b>	2800	4.29	2.85	2.15	1.43	90	100	112	132*				
	<b>86.50</b>	<b>16.20</b>	2800	4.75	3.15	2.37	1.58	90	100	112	132*				
	<b>76.08</b>	<b>18.40</b>	2800	5.40	3.58	2.70	1.79	90	100	112	132*				
	<b>68.52</b>	<b>20.40</b>	2800	5.99	3.98	3.00	1.99	90	100	112	132	160*			
	<b>63.21</b>	<b>22.10</b>	2800	6.49	4.31	3.25	2.16	90	100	112	132*				
	<b>55.67</b>	<b>25.10</b>	2800	7.37	4.90	3.69	2.45	90	100	112	132	160*			
	<b>47.61</b>	<b>29.40</b>	2800	8.62	5.73	4.31	2.86	90	100	112	132	160*			
	<b>40.56</b>	<b>34.50</b>	2800	10.12	6.72	5.06	3.36	90	100	112	132	160*			
	<b>34.38</b>	<b>40.70</b>	2800	11.94	7.93	5.97	3.97	90	100	112	132	160*			
	<b>27.93</b>	<b>50.10</b>	2800	14.70	9.76	7.35	4.88	90	100	112	132	160*			
	<b>23.88</b>	<b>58.60</b>	2700	15.00	9.90	7.50	4.95	90	100	112	132	160			
	<b>20.35</b>	<b>68.80</b>	2600	15.00	9.90	7.50	4.95	90	100	112	132	160			
	<b>18.25</b>	<b>76.70</b>	2450	15.00	9.90	7.50	4.95				132	160			
	<b>15.69</b>	<b>89.20</b>	2000	15.00	9.90	7.50	4.95	90	100	112	132	160			
	<b>13.42</b>	<b>104.30</b>	2000	15.00	9.90	7.50	4.95	90	100	112	132	160			
<b>11.43</b>	<b>122.50</b>	1500	15.00	9.90	7.50	4.95	90	100	112	132	160				
<b>10.25</b>	<b>136.60</b>	1500	15.00	9.90	7.50	4.95				132	160				
<b>9.42</b>	<b>148.60</b>	1500	15.00	9.90	7.50	4.95				132	160				
<b>8.83</b>	<b>158.60</b>	1400	15.00	9.90	7.50	4.95				132	160				

- IEC bağlantısı yoktur - No IEC assembling on empty fields
- 63 IEC bağlantısı yapılır - IEC assembling available on numbered fields
- 80\* IEC bağlantısı yapılıncaksa ***P*<sub>1max</sub>** değerleri aşılmamalıdır - Do not exceed the *P*<sub>1max</sub> values indicated on fields with asterisk



Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC $f_B \Rightarrow$ 73 - 120	DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu According to DIN 42677 IEC motor power depend on pole number of motor.								
				$P_{1max}$ W $f_B \geq 1$													
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]										
<b>PKD 5490</b>	3736.07	0.37	4800	0.19	0.13	0.09	0.06	71*	80*	90*							
	2954.10	0.47	4800	0.24	0.16	0.12	0.08		80*	90*							
	2023.36	0.69	4800	0.35	0.23	0.17	0.12		80*	90*							
	1874.35	0.75	4800	0.38	0.25	0.19	0.12	71	80*	90*							
	<b>1399.82</b>	<b>1.00</b>	4800	0.50	0.33	0.25	0.17	71	80*	90*	100*	112*					
	<b>1061.93</b>	<b>1.30</b>	4800	0.66	0.44	0.33	0.22	71	80*	90*	100*	112*					
	931.06	1.50	4800	0.76	0.50	0.38	0.25	71	80	90*							
	703.71	2.00	4000	0.83	0.55	0.42	0.28	71	80	90*							
	580.56	2.40	4800	1.21	0.81	0.61	0.40	71	80	90*							
	459.05	3.00	4800	1.53	1.02	0.77	0.51		80	90							
	<b>348.85</b>	<b>4.00</b>	4800	2.02	1.34	1.01	0.67	71	80	90	100*	112*					
	<b>264.64</b>	<b>5.30</b>	4800	2.66	1.77	1.33	0.88	71	80	90	100*	112*					
	<b>228.99</b>	<b>6.10</b>	4800	3.07	2.04	1.54	1.02	71	80	90	100	112*					
	<b>165.02</b>	<b>8.50</b>	4800	4.00	2.64	2.00	1.32	71	80	90	100	112					
	<b>PKD 5390</b>	289.62	4.80	4800	2.43	1.64	1.21	0.82	90	100*	112*						
		247.36	5.70	4800	2.84	1.89	1.42	0.94	90	100*	112*						
198.37		7.10	4800	3.55	2.36	1.77	1.18		100	112*	132*						
169.43		8.30	4800	4.15	2.76	2.08	1.38		100	112	132*						
145.30		9.60	3600	3.63	2.41	1.82	1.21	90	100	112*							
<b>120.01</b>		<b>11.70</b>	4800	5.86	3.89	2.93	1.95	90	100	112	132						
<b>102.50</b>		<b>13.70</b>	4800	6.87	4.56	3.43	2.28	90	100	112	132						
<b>88.12</b>		<b>15.90</b>	4800	7.99	5.30	3.99	2.65	90	100	112	132*	160*					
<b>72.18</b>		<b>19.40</b>	4800	9.75	6.48	4.87	3.24	90	100	112	132	160*					
<b>62.45</b>		<b>22.40</b>	4800	11.27	7.48	5.63	3.74	90	100	112	132	160*					
<b>54.55</b>		<b>25.70</b>	4800	12.90	8.57	6.45	4.28	90	100	112	132	160*	180*				
<b>45.00</b>		<b>31.10</b>	4800	15.64	10.39	7.82	5.19		100	112	132	160	180*				
<b>39.74</b>		<b>35.20</b>	4800	17.71	11.76	8.85	5.88	90	100	112	132	160	180*				
<b>36.21</b>		<b>38.70</b>	4800	19.43	12.91	9.72	6.45	90	100	112	132	160					
<b>31.33</b>		<b>44.70</b>	4800	22.00	14.52	11.00	7.26	90	100	112	132	160					
<b>27.37</b>		<b>51.20</b>	4600	22.00	14.52	11.00	7.26	90	100	112	132	160	180				
<b>23.38</b>		<b>59.90</b>	4300	22.00	14.52	11.00	7.26		100	112	132	160	180				
<b>22.58</b>		<b>62.00</b>	4300	22.00	14.52	11.00	7.26		100	112	132	160	180				
<b>19.94</b>		<b>70.20</b>	4300	22.00	14.52	11.00	7.26				132	160	180				
<b>17.95</b>		<b>78.00</b>	4300	22.00	14.52	11.00	7.26	90	100	112	132	160	180				
<b>16.37</b>		<b>85.50</b>	4300	22.00	14.52	11.00	7.26		100	112	132	160	180				
<b>13.50</b>		<b>103.50</b>	4300	22.00	14.52	11.00	7.26		100	112	132	160	180				
<b>11.92</b>		<b>117.40</b>	3900	22.00	14.52	11.00	7.26					160	180				
<b>10.74</b>		<b>130.40</b>	2900	22.00	14.52	11.00	7.26					160	180				
<b>10.07</b>		<b>139.00</b>	2800	22.00	14.52	11.00	7.26					160	180				
<b>9.46</b>		<b>148.00</b>	2600	22.00	14.52	11.00	7.26					160	180				
<b>8.13</b>		<b>172.20</b>	2600	22.00	14.52	11.00	7.26					160	180				

IEC bağlantısı yoktur - No IEC assembling on empty fields

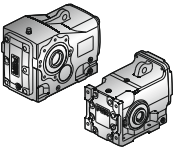
63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk







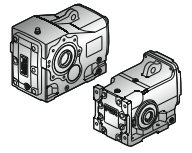


Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	M <sub>amax</sub> $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC		DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu													
				$P_{1max}$ W $f_B \geq 1$				$f_B \Rightarrow$ 73 - 120		According to DIN 42677 IEC motor power depend on pole number of motor.													
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]																
<b>PKD G 8390/52</b>	4830.19	0.29	20000	0.61	0.40	0.30	0.20	90*	100*	112*													
	3603.72	0.39	20000	0.81	0.54	0.41	0.27	90*	100*	112*													
	3018.87	0.46	20000	0.97	0.65	0.49	0.32	90	100*	112*													
	2114.13	0.66	20000	1.39	0.92	0.69	0.46	90	100*	112*													
	<b>W</b>	<b>1786.51</b>	<b>0.78</b>	20000	1.64	1.09	0.82	0.55	90	100*	112*	132*	160*										
	$\leftarrow mm \rightarrow$	<b>1463.24</b>	<b>0.96</b>	20000	2.00	1.33	1.00	0.67	90	100*	112*	132*	160*										
	208-213-216 221-228	<b>1203.73</b>	<b>1.20</b>	20000	2.44	1.62	1.22	0.81	90	100*	112*	132*	160*										
	<b>+ IEC</b>	<b>714.84</b>	<b>2.00</b>	20000	4.10	2.72	2.05	1.36	90	100	112	132*	160*	180*									
	$\leftarrow mm \rightarrow$	<b>623.65</b>	<b>2.20</b>	20000	4.70	3.12	2.35	1.56	90	100	112	132*	160*	180*									
	$\leftarrow mm \rightarrow$	<b>434.96</b>	<b>3.20</b>	20000	6.74	4.48	3.37	2.24		100	112	132*	160*	180*									
	252-261-267 275-284	<b>379.47</b>	<b>3.70</b>	20000	7.73	5.13	3.86	2.57		100	112	132	160*	180*									
	<b>+ IEC</b>	<b>271.85</b>	<b>5.10</b>	20000	10.79	7.16	5.39	3.58		100	112	132	160*	180*									
	$\leftarrow mm \rightarrow$	<b>236.35</b>	<b>5.90</b>	20000	12.41	8.24	6.20	4.12		100	112	132	160*	180*									
	$\leftarrow mm \rightarrow$	<b>172.19</b>	<b>8.10</b>	20000	17.03	11.31	8.51	5.66		100	112	132	160	180*									
	$\leftarrow mm \rightarrow$	<b>144.85</b>	<b>9.70</b>	18000	18.22	12.10	9.11	6.05		100	112	132	160	180*									
	<b>PKD G 8390</b>	230.68	6.10	20000	12.71	8.44	6.35	4.22	132	160*	180*												
194.04		7.20	20000	15.11	10.04	7.55	5.02	132	160	180*													
151.87		9.20	20000	19.31	12.82	9.65	6.41		160	180*	200*												
127.75		11.00	20000	22.95	15.25	11.48	7.62		160	180	200*												
<b>W</b>		<b>116.62</b>	<b>12.00</b>	20000	25.14	16.70	12.57	8.35	132	160	180												
$\leftarrow mm \rightarrow$		<b>90.63</b>	<b>15.40</b>	20000	32.35	21.49	16.18	10.75	132	160	180	200	225*										
205-211-214 218-225		<b>78.34</b>	<b>17.90</b>	20000	37.43	24.86	18.71	12.43	132	160	180	200	225*	250*									
<b>+ IEC</b>		<b>67.58</b>	<b>20.70</b>	20000	43.38	28.82	21.69	14.41	132	160	180	200	225*	250*	280*								
$\leftarrow mm \rightarrow$		<b>58.96</b>	<b>23.70</b>	20000	49.73	33.03	24.86	16.52	132	160	180	200	225	250*	280*	315*							
$\leftarrow mm \rightarrow$		<b>50.42</b>	<b>27.80</b>	20000	58.15	38.63	29.08	19.31	132	160	180	200	225	250	280*	315*							
248-258-263 271-280		<b>42.24</b>	<b>33.10</b>	20000	69.41	46.11	34.71	23.05	132	160	180	200	225	250	280*	315*							
$\leftarrow mm \rightarrow$		<b>35.53</b>	<b>39.40</b>	18000	74.27	49.34	37.13	24.67	132	160	180	200	225	250	280*	315*							
$\leftarrow mm \rightarrow$		<b>29.58</b>	<b>47.30</b>	20000	99.12	65.84	49.56	32.92	132	160	180	200	225	250	280	315*							
$\leftarrow mm \rightarrow$		<b>25.30</b>	<b>55.30</b>	20000	115.89	76.98	57.94	38.49	132	160	180	200	225	250	280	315*							
$\leftarrow mm \rightarrow$		<b>21.19</b>	<b>66.10</b>	20000	138.36	91.91	69.18	45.96	132	160	180	200	225	250	280	315*							
$\leftarrow mm \rightarrow$		<b>17.83</b>	<b>78.50</b>	19000	156.22	103.77	78.11	51.89	132	160	180	200	225	250	280	315*							
$\leftarrow mm \rightarrow$		<b>16.37</b>	<b>85.50</b>	19000	160.00	105.60	80.00	52.80					225	250	280	315*							
$\leftarrow mm \rightarrow$	<b>14.75</b>	<b>94.90</b>	15000	149.08	99.03	74.54	49.52	132	160	180	200	225	250	280	315*								
$\leftarrow mm \rightarrow$	<b>12.36</b>	<b>113.30</b>	14000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*								
$\leftarrow mm \rightarrow$	<b>11.63</b>	<b>120.40</b>	17000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*								
$\leftarrow mm \rightarrow$	<b>9.54</b>	<b>146.80</b>	13000	160.00	105.60	80.00	52.80			180	200	225	250	280	315*								
$\leftarrow mm \rightarrow$	<b>8.06</b>	<b>173.70</b>	12000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*								

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk

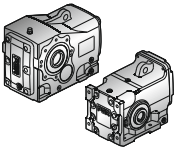


Tip Type	Tahvil Reduction i <sub>ges</sub>	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>amax</sub> f <sub>B</sub> =1 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power P <sub>1max</sub> W f <sub>B</sub> ≥ 1				IEC f <sub>B</sub> ⇨ 73 - 120										
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]	DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu According to DIN 42677 IEC motor power depend on pole number of motor.										
<b>PKD 9390/52</b>  W ↔ mm 209-216-222 229  + IEC ↔ mm 253-267-276 285	4933.39	0.28	32000	0.95	0.63	0.48	0.32	90*	100*	112*								
	3555.41	0.39	26000	1.07	0.71	0.54	0.36	90*	100*	112*								
	2913.46	0.48	26000	1.31	0.87	0.65	0.43	90	100*	112*								
	<b>2114.30</b>	<b>0.66</b>	32000	2.22	1.47	1.11	0.74	90	100*	112*	132*	160*						
	<b>1795.13</b>	<b>0.78</b>	32000	2.61	1.74	1.31	0.87	90	100*	112*	132*	160*						
	<b>1424.59</b>	<b>0.98</b>	32000	3.29	2.19	1.65	1.09	90	100	112*	132*	160*						
	<b>1119.32</b>	<b>1.30</b>	32000	4.19	2.78	2.10	1.39	90	100	112	132*	160*						
	<b>846.00</b>	<b>1.70</b>	32000	5.55	3.68	2.77	1.84	90	100	112	132*	160*	180*					
	<b>706.54</b>	<b>2.00</b>	32000	6.64	4.41	3.32	2.21	90	100	112	132*	160*	180*					
	<b>609.75</b>	<b>2.30</b>	32000	7.69	5.11	3.85	2.56	90	100	112	132*	160*	180*					
	<b>444.25</b>	<b>3.20</b>	32000	10.56	7.01	5.28	3.51	90	100	112	132	160*						
	<b>386.23</b>	<b>3.60</b>	32000	12.15	8.07	6.07	4.03	90	100	112	132	160*	180*					
	<b>281.40</b>	<b>5.00</b>	32000	16.67	11.07	8.34	5.54		100	112	132	160	180*					
	<b>223.16</b>	<b>6.30</b>	32000	21.02	13.96	10.51	6.98					160	180*					
	<b>191.78</b>	<b>7.30</b>	32000	22.00	14.52	11.00	7.26					160	180					
<b>PKD 9390</b>  W ↔ mm 206-214-219 226  + IEC ↔ mm 249-264-272 281	297.79	4.70	32000	15.75	10.46	7.88	5.23	132	160	180*								
	253.26	5.50	32000	18.52	12.30	9.26	6.15	132	160	180*								
	197.62	7.10	32000	23.74	15.77	11.87	7.88		160	180	200*							
	<b>153.11</b>	<b>9.10</b>	32000	30.64	20.35	15.32	10.18	132	160	180								
	<b>120.24</b>	<b>11.60</b>	32000	39.01	25.92	19.51	12.96	132	160	180	200	225*						
	<b>102.37</b>	<b>13.70</b>	32000	45.82	30.44	22.91	15.22	132	160	180	200	225	250*					
	<b>91.73</b>	<b>15.30</b>	32000	51.14	33.97	25.57	16.99	132	160	180	200	225	250*	280*				
	<b>79.99</b>	<b>17.50</b>	32000	58.65	38.96	29.32	19.48	132	160	180	200	225	250	280*	315*			
	<b>69.03</b>	<b>20.30</b>	32000	67.96	45.14	33.98	22.57	132	160	180	200	225	250	280*	315*			
	<b>58.71</b>	<b>23.80</b>	32000	79.90	53.08	39.95	26.54	132	160	180	200	225	250	280	315*			
	<b>49.75</b>	<b>28.10</b>	32000	94.29	62.64	47.15	31.32	132	160	180	200	225	250	280	315*			
	<b>40.77</b>	<b>34.30</b>	32000	115.06	76.43	57.53	38.22	132	160	180	200	225	250	280	315*			
	<b>39.14</b>	<b>35.80</b>	32000	119.85	79.62	59.93	39.81	132	160	180	200	225	250	280				
	<b>34.13</b>	<b>41.00</b>	32000	137.45	91.30	68.72	45.65	132	160	180	200	225	250	280	315*			
	<b>29.35</b>	<b>47.70</b>	32000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>24.96</b>	<b>56.10</b>	32000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>20.41</b>	<b>68.60</b>	32000	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>17.29</b>	<b>81.00</b>	20500	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>14.17</b>	<b>98.80</b>	19400	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>11.56</b>	<b>121.10</b>	18400	160.00	105.60	80.00	52.80	132	160	180	200	225	250	280	315*			
	<b>10.71</b>	<b>130.70</b>	18000	160.00	105.60	80.00	52.80						250	280	315*			

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa P<sub>1max</sub> değerleri aşılmamalıdır - Do not exceed the P<sub>1max</sub> values indicated on fields with asterisk



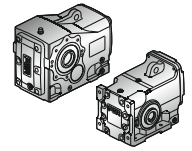
Tip Type	Tahvil Reduction i <sub>ges</sub>	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>amax</sub> f <sub>B</sub> =1 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC f <sub>B</sub> ⇒ 73 - 120	DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu								
				P <sub>1max</sub> W f <sub>B</sub> ≥ 1					According to DIN 42677 IEC motor power depend on pole number of motor.								
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]										
<b>PKD G 9390/63</b>	13432.68	0.10	50000	0.56	0.37	0.28	0.19	90*	100*	112*	132	160					
	11954.86	0.12	50000	0.67	0.44	0.33	0.22	90*	100*	112*	132*	160*					
	9713.32	0.14	50000	0.77	0.51	0.39	0.26	90*	100*	112*	132*	160*	180*				
	8306.57	0.17	50000	0.89	0.59	0.45	0.30	90*	100*	112*	132*	160*	180*				
	W ↔ mm	7842.34	0.18	50000	0.94	0.62	0.47	0.31	90*	100*	112*	132*	160*	180*			
	↔ mm	6706.55	0.21	50000	1.10	0.73	0.55	0.37	90*	100*	112*	132*	160*	180*			
	↔ mm	5575.65	0.25	50000	1.31	0.86	0.65	0.43	90*	100*	112*	132*	160*	180*			
	↔ mm	4441.42	0.32	50000	1.68	1.11	0.84	0.56	90	100*	112*	132*	160*	180*			
	↔ mm	3692.48	0.38	50000	1.99	1.31	0.99	0.66	90	100*	112*	132*	160*	180*			
	↔ mm	3210.12	0.44	50000	2.30	1.52	1.15	0.76	90	100	112*	132*	160*	180*			
	↔ mm	2679.06	0.52	50000	2.72	1.80	1.36	0.90	90	100	112*	132*	160*	180*			
	↔ mm	2316.27	0.60	50000	3.14	2.07	1.57	1.04	90	100	112*	132*	160*	180*			
	↔ mm	2052.10	0.68	50000	3.56	2.35	1.78	1.18	90	100	112*	132*	160*	180*			
	↔ mm	1774.21	0.79	50000	4.14	2.73	2.07	1.37	90	100	112	132*	160*	180*			
<b>PKD G 9390/62</b>	1623.67	0.86	50000	4.50	2.97	2.25	1.49		100	112	132*	160*	180*	200*			
	1353.86	1.0	50000	5.24	3.46	2.62	1.73		100	112	132*	160*	180*	200*	225*		
	1165.22	1.2	50000	6.28	4.15	3.14	2.08		100	112	132*	160*	180*	200*	225*		
	W ↔ mm	979.31	1.4	50000	7.33	4.84	3.66	2.42		100	112	132*	160*	180*	200*	225*	
	↔ mm	816.57	0.7	50000	8.90	5.87	4.45	2.94		100	112	132*	160*	180*	200*	225*	
	↔ mm	702.80	2.0	50000	10.47	6.91	5.24	3.46		100	112	132	160*	180*	200*	225*	
	↔ mm	607.63	2.3	50000	12.04	7.95	6.02	3.98		100	112	132	160*	180*	200*	225*	
	↔ mm	538.33	2.6	50000	13.61	8.98	6.81	4.49		100	112	132	160*	180*	200*	225*	
	↔ mm	474.22	3.0	50000	15.71	10.37	7.85	5.19		100	112	132	160	180*	200*	225*	
	↔ mm	431.00	3.2	50000	16.75	11.06	8.38	5.53		100	112	132	160	180*	200*	225*	
	↔ mm	370.95	3.8	50000	19.90	13.13	9.95	6.57		100	112	132	160	180	200*	225*	
	↔ mm	320.72	4.4	50000	23.04	15.20	11.52	7.60		100	112	132	160	180	200*	225*	
	↔ mm	297.17	4.7	50000	24.61	16.24	12.30	8.12				132	160	180	200*	225*	
	↔ mm	270.09	5.2	50000	27.23	17.97	13.61	8.99				132	160	180	200*	225*	
↔ mm	233.51	6.0	50000	31.41	20.73	15.71	10.37				132	160	180	200	225*		
↔ mm	208.95	6.7	50000	35.08	23.15	17.54	11.58						180	200	225*		

IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa P<sub>1max</sub> değerleri aşılmamalıdır - Do not exceed the P<sub>1max</sub> values indicated on fields with asterisk



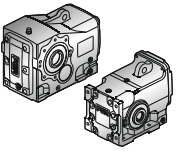


Tip Type	Tahvil Reduction $i_{ges}$	Çıkış Hızı Output speed 4-pol. 50 Hz 1400 rpm $n_2$ [min <sup>-1</sup> ]	Mamax $f_B=1$ 4 - pol. [Nm]	Max. Giriş Gücü Max. Input Power				IEC									
				$P_{1max}$ W $f_B \geq 1$				DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu									
				4 - pol. 1400 rpm [kW]	6 - pol. 930 rpm [kW]	8 - pol. 700 rpm [kW]	12 - pol. 465 rpm [kW]	$f_B \Rightarrow$ 73 - 120 According to DIN 42677 IEC motor power depend on pole number of motor.									
<b>PKD G 9390</b>  <b>W</b>  206-214-219 226 + <b>IEC</b>  249-264-272 281	200.57	7.0	50000	36.65	24.19	18.32	12.10	132	160	180	200	225*					
	173.41	8.1	50000	42.41	27.99	21.20	14.00	132	160	180	200	225*					
	154.29	9.1	50000	47.64	31.45	23.82	15.73	132	160	180	200	225	250*	280*			
	133.53	10.0	50000	52.36	34.55	26.18	17.28	132	160	180	200	225	250*	280*			
	118.18	12.0	50000	62.83	41.47	31.41	20.74	132	160	180	200	225	250	280*	315*		
	102.18	14.0	50000	73.30	48.38	36.65	24.19	132	160	180	200	225	250	280*	315*		
	89.60	16.0	50000	83.77	55.29	41.88	27.65			180	200	225	250	280*	315*		
	81.43	17.0	50000	89.01	58.74	44.50	29.37			180	200	225	250	280*	315*		
	70.41	20.0	50000	104.71	69.11	52.36	34.56			180	200	225	250	280	315*		
	65.07	22.0	50000	115.18	76.02	57.59	38.01					225	250	280	315*		
	56.26	25.0	50000	130.89	86.39	65.45	43.20					225	250	280	315*		
	47.79	29.0	50000	151.83	100.21	75.92	50.11	132	160	180	200	225	250	280	315*		
	41.32	34.0	50000	178.01	117.49	89.01	58.75	132	160	180	200	225	250	280	315*		
	36.24	39.0	50000	200.00	132.00	100.00	66.00			180	200	225	250	280	315		
	32.93	43.0	50000	200.00	132.00	100.00	66.00			180	200	225	250	280	315		
	28.47	49.0	50000	200.00	132.00	100.00	66.00			180	200	225	250	280	315		
	26.31	53.0	50000	200.00	132.00	100.00	66.00					225	250	280	315		
	22.75	62.0	50000	200.00	132.00	100.00	66.00					225	250	280	315		
	19.41	72.0	50000	200.00	132.00	100.00	66.00								315		
	16.78	83.0	50000	200.00	132.00	100.00	66.00								315		

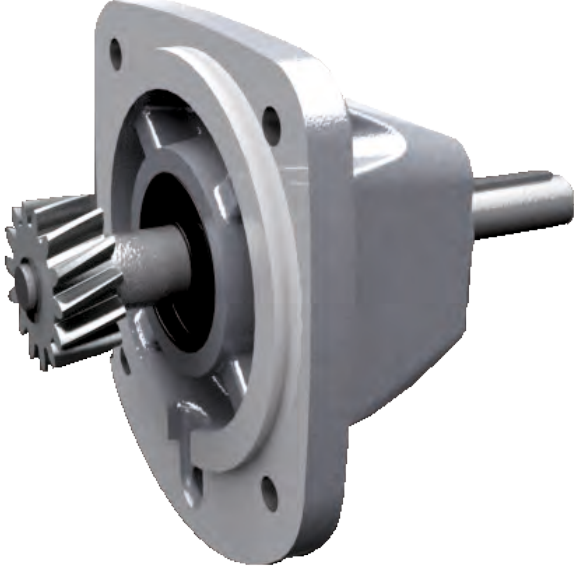
IEC bağlantısı yoktur - No IEC assembling on empty fields

63 IEC bağlantısı yapılır - IEC assembling available on numbered fields

80\* IEC bağlantısı yapılacaksa  $P_{1max}$  değerleri aşılmamalıdır - Do not exceed the  $P_{1max}$  values indicated on fields with asterisk



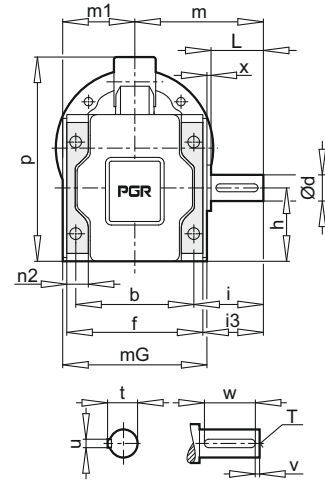
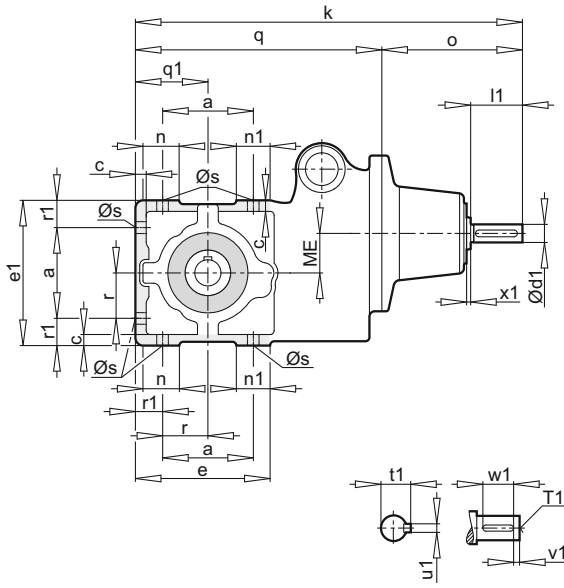
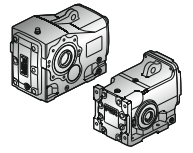
## W - IEC Ölçü Sayfaları Dimension Tables of W - IEC



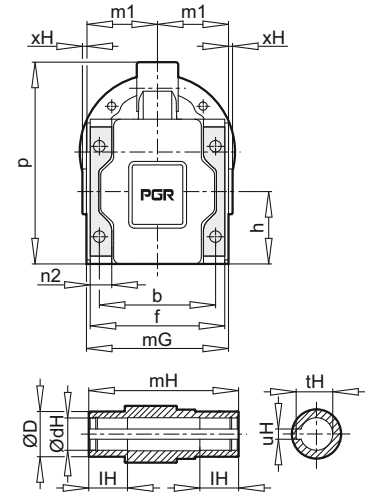
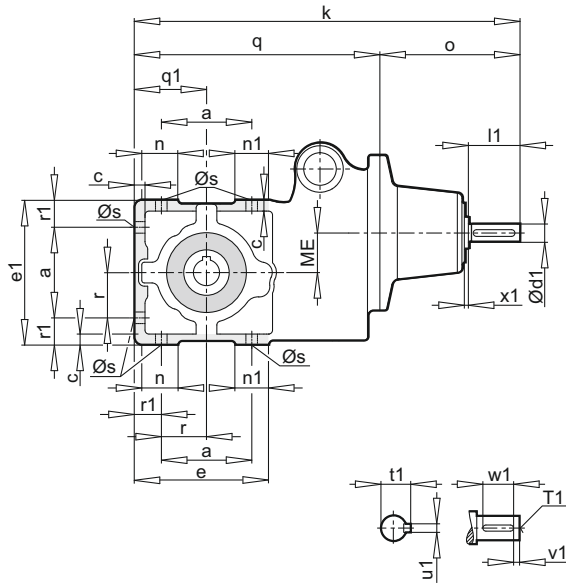
**W**



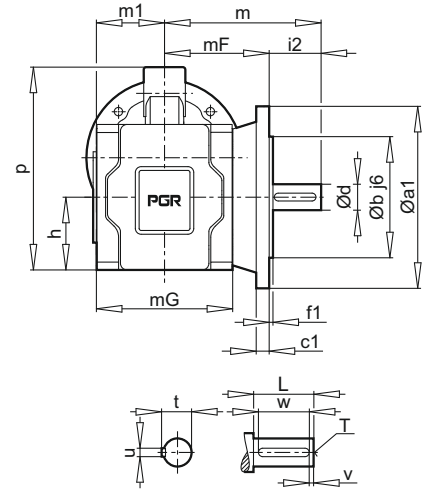
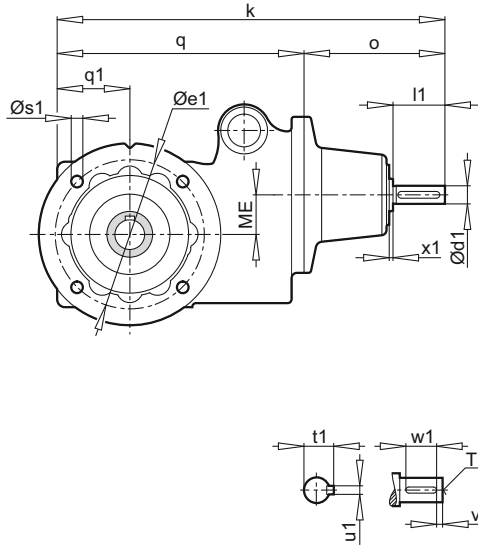
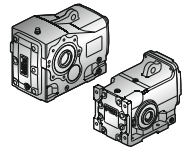
**IEC**



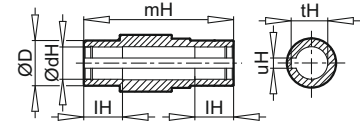
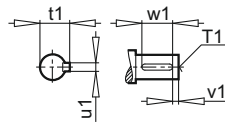
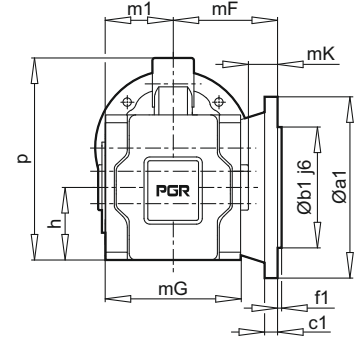
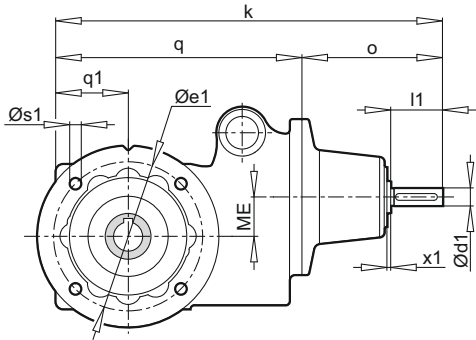
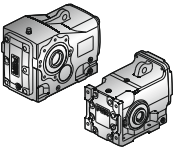
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)								Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft					
	a	b	c	e	f	n	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x	d1	t1	v1	x1
			e1			n1	r1			i3		mG			q1		L	u	w	T	l1	u1	w1	T1	
<b>PKD A 0290 TMA +W</b>	70	90	10	104	104	28	35	9	56	53	299	98	55	109	156	190	30.5	20	22.5	4	3	14	16	4	3
				112		26	21			46			110		56		40	6	32	M6	40	5	32	M5	
						16.5																			



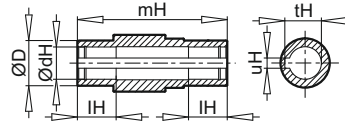
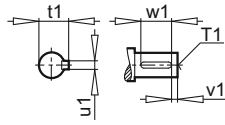
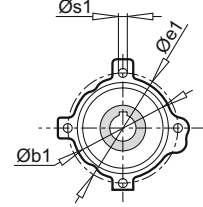
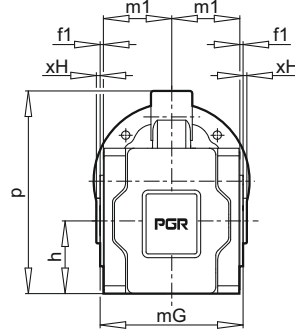
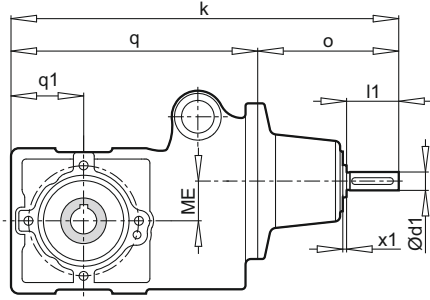
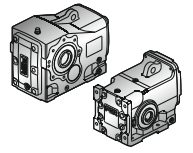
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)								Ana ölçüler Outline dimensions						Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	r	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH	d1	t1	v1	x1
			e1			n1	r1				mG			q1		D	uH	mH		l1	u1	w1	T1
<b>PKD A 0290 DA +W</b>	70	90	10	104 112	104	28 26 16.5	35 21	9	56	299	55 110	109	156	190 56	30.5	25 35	28.3 8	30 116	3	14 40	16 5	4 32	3 M5



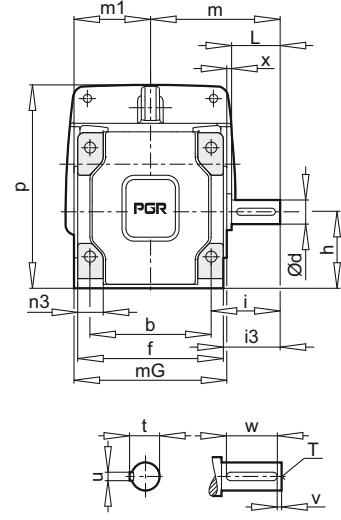
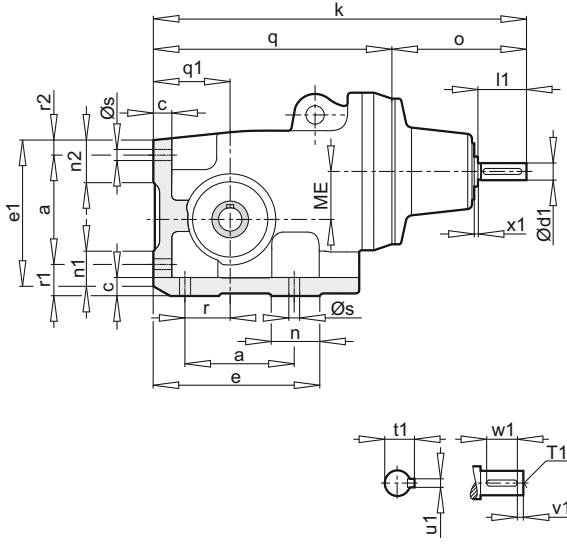
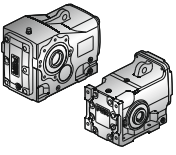
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft					
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p	q	q1	ME	d	t	v	T	d1	t1	v1	x1
																	L	u	w		l1	u1	w1	T1
<b>PKD A 0290 TMG/B5 + W</b>	140	95	10	115	3	4x9	56	40	301	120.5	52.5 80.5 105	109	156	192	58	30.5	20 40	22.5 6	4 32	M6	14 40	16 5	4 32	3 M5



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH D	tH uH	IH mH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD A 0290 DG/B5 + W</b>	140	95	10	115	3	4x9	56	301	52.5 80.5 105	22.5	109	156	192	58	30.5	25 35	28.3 8	30 116	14 40	16 5	4 32	3 M5



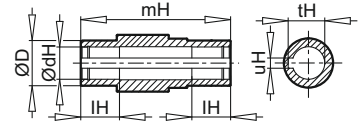
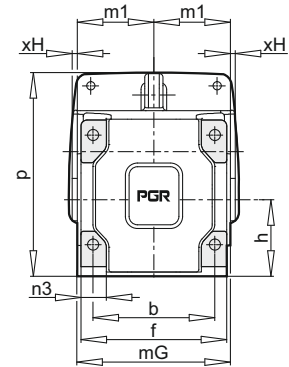
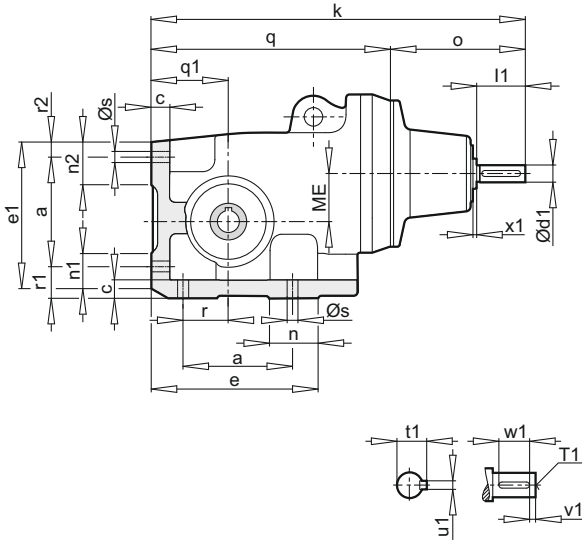
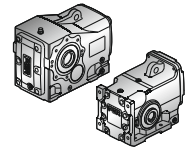
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)				Ana ölçüler Outline dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH	tH	IH	xH	d1	t1	v1	x1
														D	uH	mH		l1	u1	w1	T1
<b>PKD A 0290 DG/B14 + W</b>	70	85	2.5	M8x14	56	301	52.5	110	109	156	192	58	30.5	25 35	28.3 8	30 116	3	14 40	16 5	4 32	3 M5



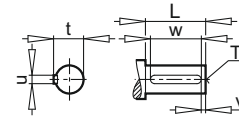
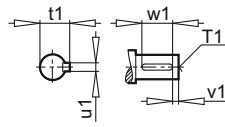
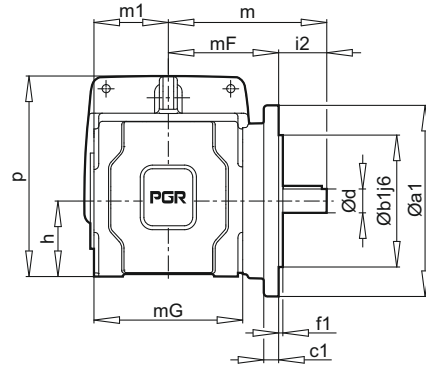
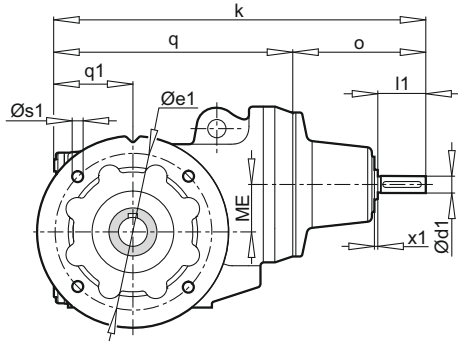
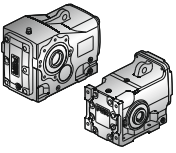
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)								Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft							
	a	b	c	e	f	n	n1	r	n2	r1	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x	d1	t1	v1	x1
			e1			n3	n2	r2				i3			mG				q1		L	u	w	T	l1	u1	w1	T1
<b>PKD B 0290</b> <b>TMA + W</b>	90	100	15	137	120	40	29	37	9			63	57	310	107	63	109	168	201	39.5	20	22.5	4	4	14	16	4	3
			120				35	26				47			126				63		40	6	32	M6	40	5	32	M5



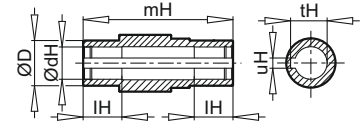
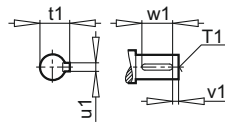
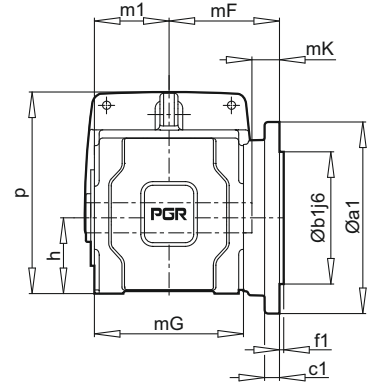
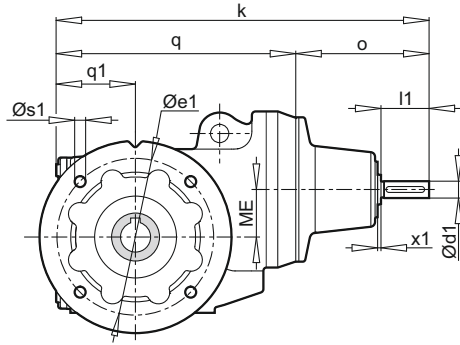
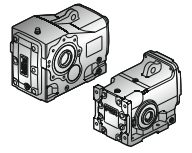
**İKİ KADEME**  
**DOUBLE REDUCTION**



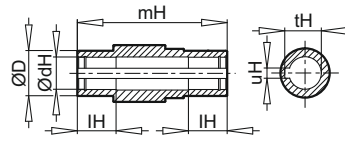
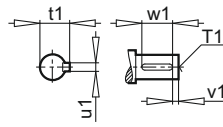
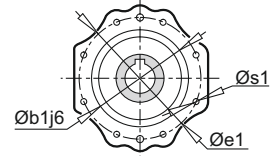
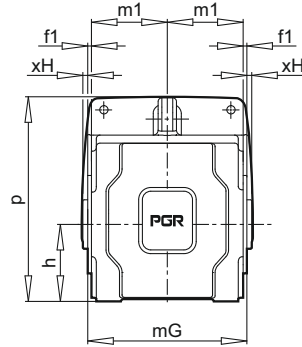
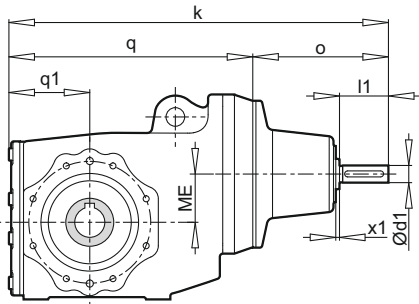
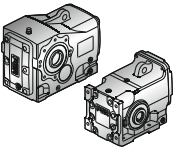
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions						Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	n1	r	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH	d1	t1	v1	x1
				e1			n2	r1	r2			mG			q1		D	uH	mH		l1	u1	w1	T1
<b>PKD B 0290</b>	90	100	15	137	120	37	29	40	9	63	310	63	109	168	201	39.5	20	22.8	40	4	14	16	4	3
<b>DA + W</b>				120			35	26				126			63		35	6	134		40	5	32	M5



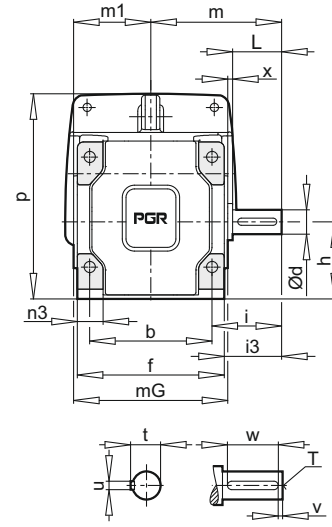
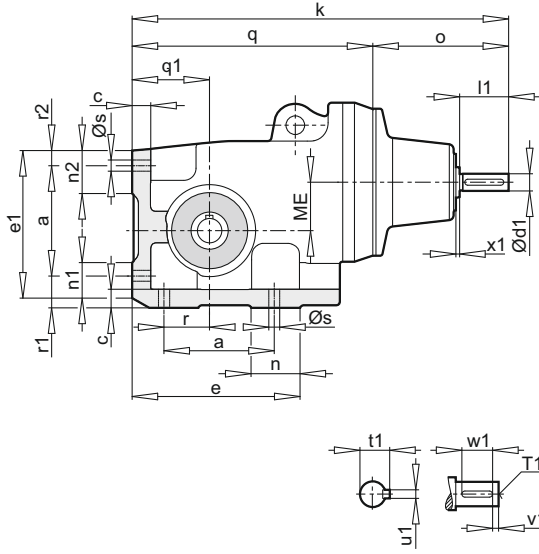
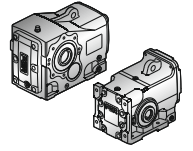
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft							
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1	mF	mG	o	p	q	q1	ME	d	t	v	T	d1	t1	v1	x1
																			L	u	w		l1	u1	w1	T1
<b>PKD B 0290</b> <b>TMG / B5 + W</b>	160	110	13	130	3.5	4x9	63	40	311	132	62	92	124	109	168	202	66	39.5	20	22.5	4	M6	14	16	4	3
																			40	6	32		40	5	32	M5



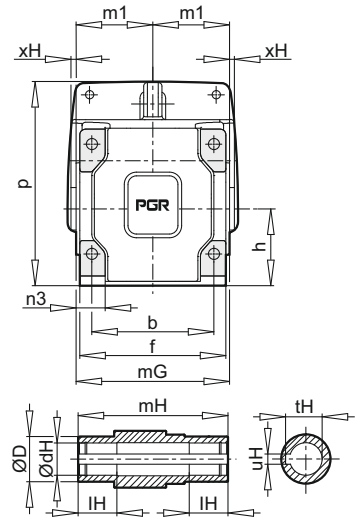
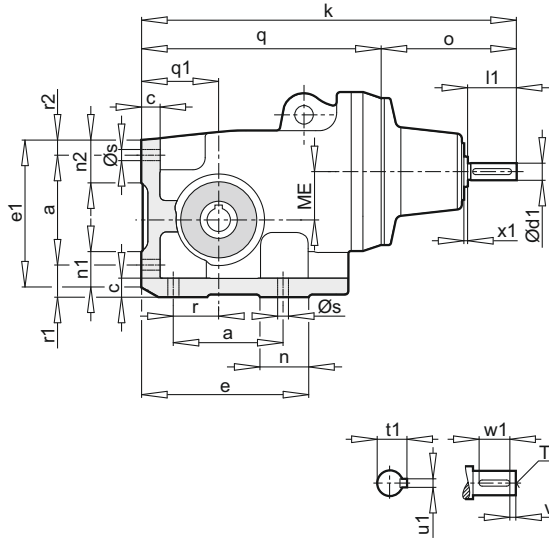
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH	tH	IH	d1	t1	v1	x1
															D	uH	mH	I1	u1	w1	T1	
<b>PKD B 0290 DG/B5 + W</b>	160	110	13	130	3.5	4x9	63	311	62 92 124	23	109	168	202	66	39.5	25 40	28.3 8	30 138	14 40	16 5	4 32	3 M5



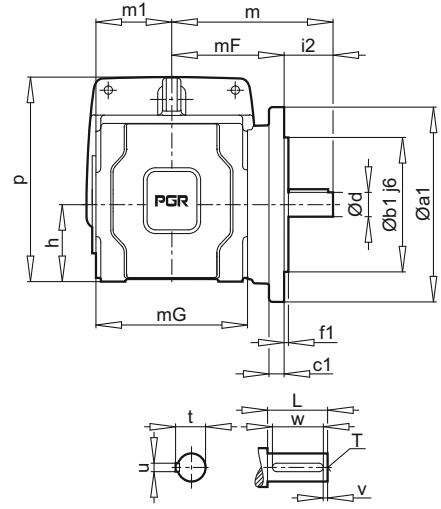
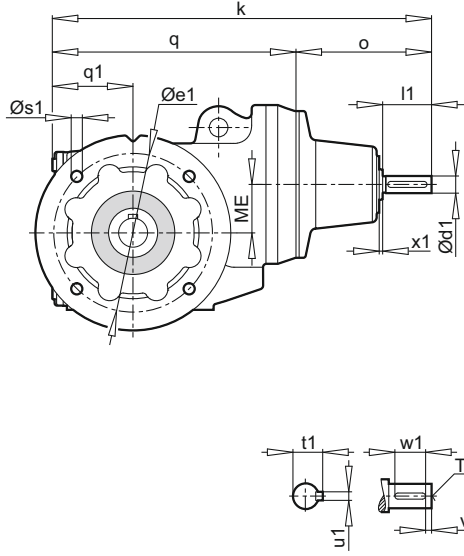
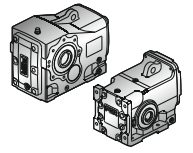
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)				Ana ölçüler Outline dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH	tH	IH	xH	d1	t1	v1	x1
														D	uH	mH		l1	u1	w1	T1
<b>PKD B 0290 DG/B14 + W</b>	80	100	3	M6x12	63	311	62	124	109	168	202	66	39.5	25 40	28.3 8	30 138	4	14 40	16 5	4 32	3 M5



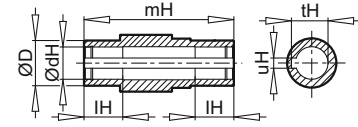
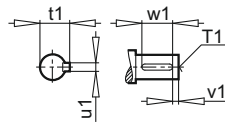
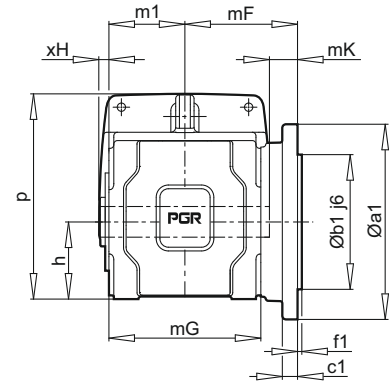
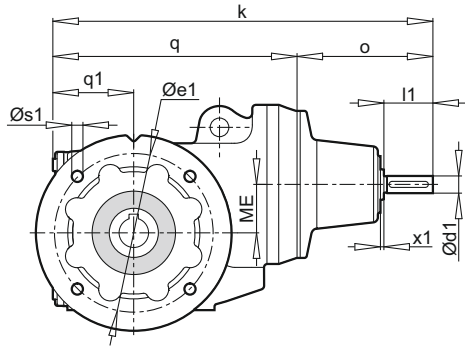
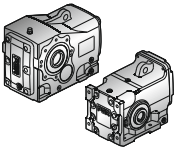
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x	d1	t1	v1	x1
				e1		n2	n3	r1	r2		i3			mG			q1		L	u	w	T	l1	u1	w1	T1
<b>PKD C 1290 TMA +W</b>	110	120	18	173 147	144	45	38 44 26	50 30 15	9	80	72 60	344	132	76 152	109	200	235 80	46.5	25 50	28 8	5 40	6 M10	16 40	18 5	4 32	3 M5
<b>PKD F 4290 TMA +W</b>	130	120	18	205 166	156	45	46 52 32	35 37 13	11	100	85 67	405	145	81 190	109	265	296 100	68	30 60	33 8	5 50	4 M10	19 40	21.5 6	4 32	4 M5
<b>PKD H 5290 TMA +W</b>	120	140	22	217 200	175	60	60 60 35	30 50 35	13.5	112	96 79	463	166	91 220	125	306	338 112	73	35 70	38 10	5 60	5 M12	24 50	27 8	5 40	3 M8



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions						Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	n1	r	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH	d1	t1	v1	x1
				e1		n	n2	r1	r2			mG			q1		D	uH	mH		l1	u1	w1	T1
<b>PKD C 1290 DA +W</b>	110	120	18	173 147	144	45	38 44 26	50 50 15	9	80	344	76 152	109	200	235 80	46.5	30 50	33.3 8	50 164	4	16 40	18 5	4 32	3 M5
<b>PKD F 4290 DA +W</b>	130	120	18	205 166	156	45	46 52 32	35 37 13	11	100	405	81 190	109	265	296 100	68	35 55	38.3 10	55 170	4	19 40	21.5 6	4 32	4 M5
<b>PKD H 5290 DA +W</b>	120	140	22	217 200	175	60	60 60 35	30 50 35	13.5	112	463	91 220	125	306	338 112	73	40 55	43.3 12	60 192	5	24 50	27 8	5 40	3 M8

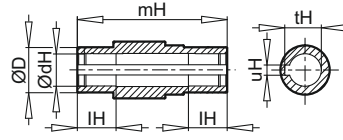
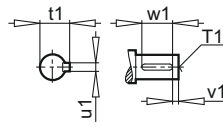
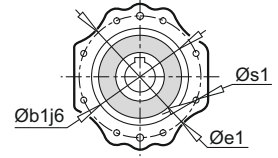
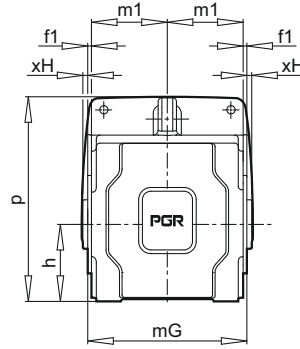
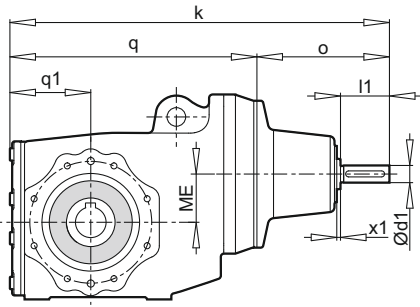
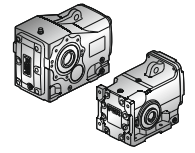


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p	q	q1	ME	d L	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD C 1290 TMG/B5 + W</b>	160 200	110 130	12 12	130 165	3.5 3.5	4x9 4x11	80	50	347	170	75 120 150	109	197	238	83	46.5	25 50	28 8	5 40	M10	16 40	18 5	4 32	3 M5
<b>PKD F 4290 TMG/B5 + W</b>	160 200	110 130	12 12	130 165	3.5 3.5	4x9 4x11	96	60	393	183	81 123 190	109	265	284	92	68	30 60	33 8	5 50	M10	19 40	21.5 6	4 32	4 M5
<b>PKD H 5290 TMG/B5 + W</b>	250	180	16	215	4	4x13.5	117	70	462	209	91 139 220	125	306	337	115	73	35 70	38 10	5 60	M12	24 50	27 8	5 40	3 M8

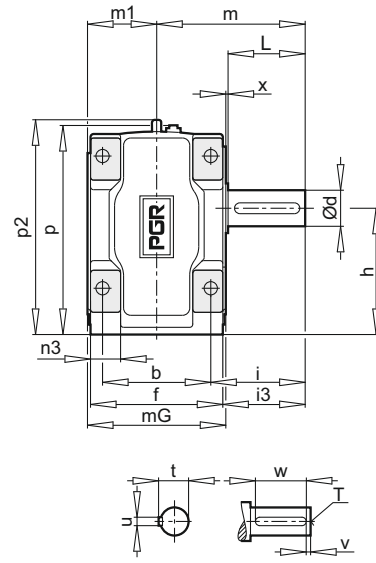
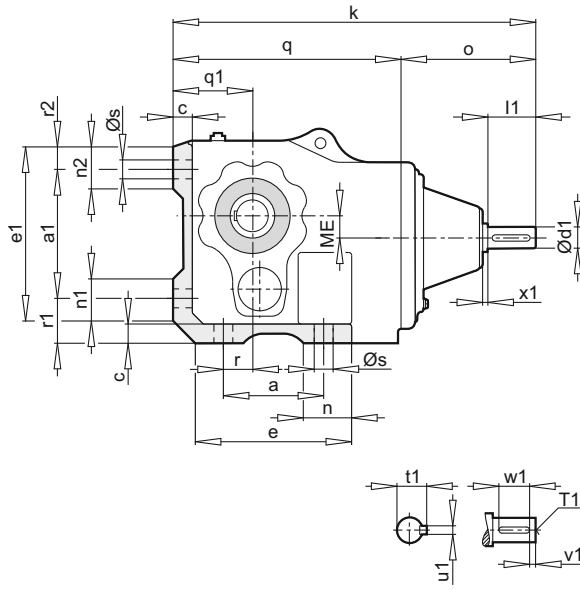


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH D	tH uH	IH mH	xH	d1 l1	t1 u1	v1 w1	x1 T1	
<b>PKD C 1290</b> <b>DG/B5 + W</b>	160	110	12	130	3.5	4x9	80	347	75 120 150	38	109	200	238	83	46.5	30 50	33.3 8	50 164	4	16 40	18 5	4 32	3 M5	
<b>PKD F 4290</b> <b>DG/B5 + W</b>	160	110	12	130	3.5	4x9	96	393	81 123 190	38	109	265	284	92	68	35 55	38.3 10	55 170	4	19 40	21.5 6	4 32	4 M5	
<b>PKD H 5290</b> <b>DG/B5 + W</b>	250	180	16	215	4	4x13.5	117	462	91 139 220	43	125	306	337	115	73	40 55	43.3 12	60 192	5	24 50	27 8	5 40	3 M8	

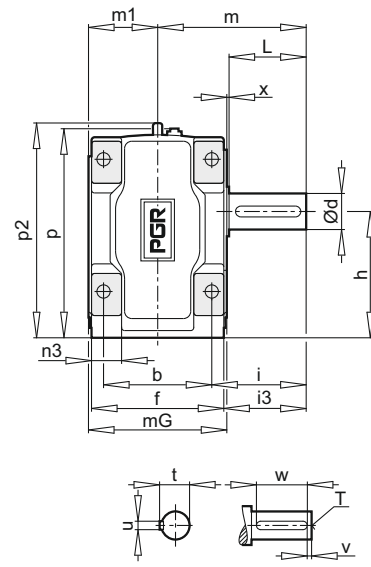
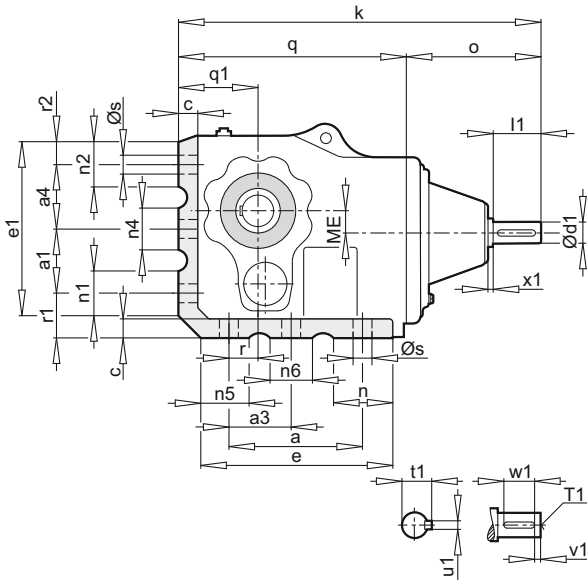
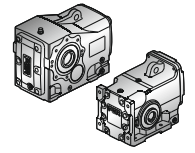




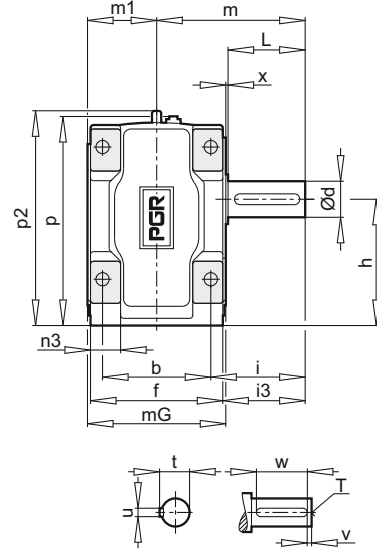
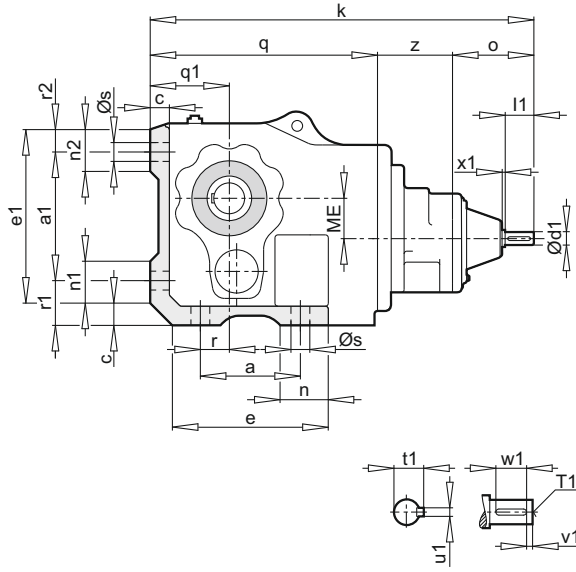
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)				Ana ölçüler Outline dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH D	tH uH	IH mH	xH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD C 1290 DG/B14 + W</b>	95	115	3	M8x17	80	347	75	150	109	197	238	83	46.5	30 50	33.3 8	50 164	4	14 40	16 5	4 32	3 M5
<b>PKD F 4290 DG/B14 + W</b>	95	115	3	M8x13	96	393	81	190	109	265	284	92	68	35 55	38.3 10	55 170	4	19 40	21.5 6	4 32	4 M5
<b>PKD H 5290 DG/B14 + W</b>	110	130	4	M8x13	117	462	91	220	125	306	337	115	73	40 55	43.3 12	60 192	5	24 50	27 8	5 40	3 M8



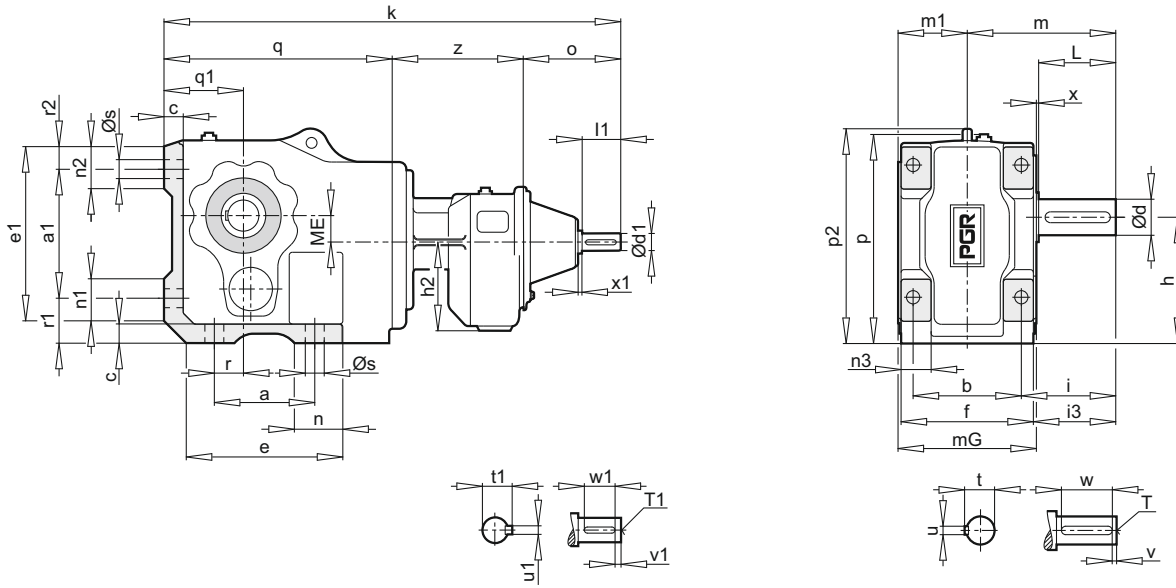
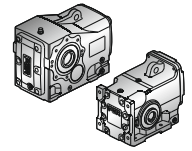
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions						Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft					
	a	b	c	e	f	n	n1	r	r1	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x	d1	t1	v1
	a1			e1		n2	n3	r2			i3			mG		p2	q1		L	u	w	T	l1	u1	w1	T1
<b>PKD 1390 TMA +W</b>	130	120	17	173	140	46	41	35	11	112	75	361	135	71	122	195	239	10	30	33.0	5	4	16	18.0	4	7
	130			166			36	37			65			142		228	71		60	8	50	M10	40	5	32	M5
<b>PKD G 1390 TMA +W</b>	130	120	17	173	140	46	41	35	11	112	85	361	145	71	122	195	239	10	35	38.0	7	4	16	18.0	4	7
	130			166			36	37			75			142		228	71		70	10	56	M12	40	5	32	M5
<b>PKD 2390 TMA +W</b>	120	140	26	191	166	61	51	30	14	140	91	413	161	86	122	237	291	14	35	38.0	7	5	16	18.0	4	7
	130			189			59	50			78			172		271	100		70	10	56	M12	40	5	32	M5
<b>PKD 3390 TMA +W</b>	150	165	27	231	195	71	61	40	18	180	114	492	196	100	172	296	320	24	45	48.5	5	6	24	27.0	5	8
	190			244			61	65			98			202		330	112		90	14	80	M16	50	8	40	M8
<b>PKD 4390 TMA +W</b>	180	180	35	261	220	81	71	55	22	212	150	593	240	115	213	348	380	36	60	64.0	10	5	38	41.0	5	8
	220			291			71	77			130			250		390	132		120	18	100	M20	80	10	70	M12
<b>PKD 5390 TMA +W</b>	240	240	41	332	285	102	102	75	26	265	171	675	291	145	213	427	462	41	70	74.5	15	6	38	41.0	5	8
	280			362			92	85			148			293		477	160		140	20	110	M20	80	10	70	M12
<b>PKD 6390 TMA +W</b>	280	270	46	392	330	112	112	95	33	315	212	840	347	170	288	502	552	50.7	90	95.0	15	7	42	45.0	10	8
	310			422			112	105			182			350		558	200		170	25	140	M24	110	12	90	M16
<b>PKD 7390 TMA +W</b>	280	270	46	402	330	112	122	95	33	315	212	840	347	170	288	511	552	55.7	90	95.0	15	7	42	45.0	10	8
	360			447			127	95			182			350		564	200		170	25	140	M24	110	12	90	M16
<b>PKD 8390 TMA +W</b>	350	330	49	502	395	152	122	115	39	375	253	1104	418	200	397	615	707	52	110	116	15	8	65	69.0	15	12
	400			522			122	110			221			450		709	225		210	28	180	M24	140	18	110	M20
<b>PKD G 8390 TMA +W</b>	380	420	54	522	500	152	152	140	39	450	247	1130	457	238	397	712	733	89	120	127	15	9	65	69.0	15	12
	480			622			142	120			207			500		822	250		210	32	180	M24	140	18	110	M20



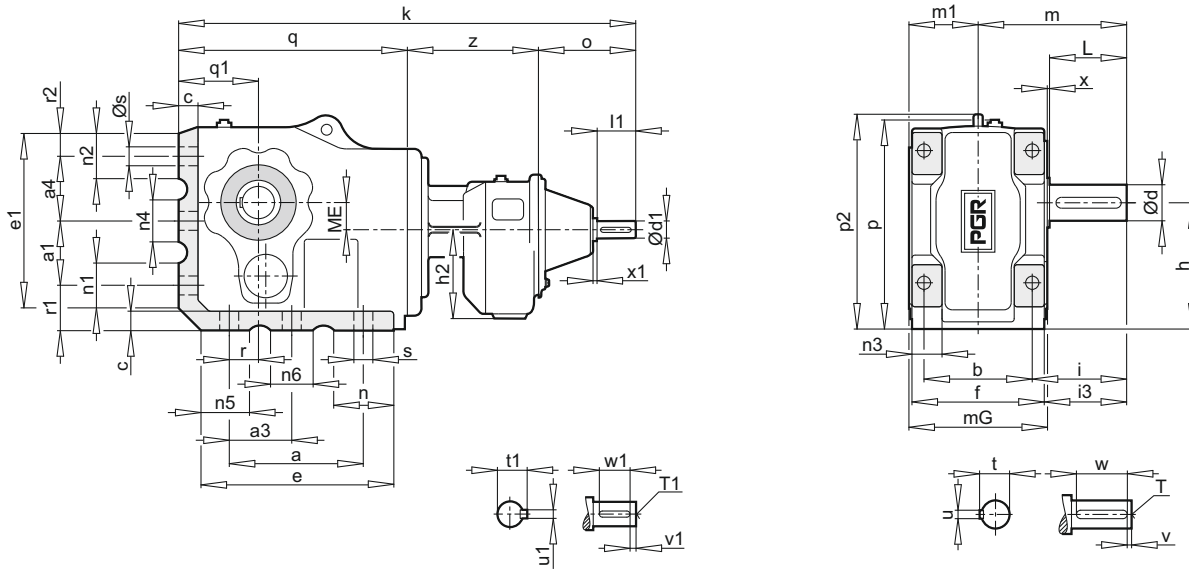
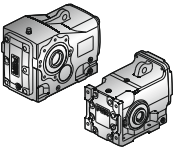
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)											Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft								
	a	a4	b	e	f	n	n1	n3	n4	n6	r	r1	s	h	i	k	m	m1	mG	o	p	q	ME	d	t	v	x	d1	t1	v1	x1
	a1	a3	c	e1		n1	n2	n5	n5	n6	r1	r2		i3			mG			p2	q1		L	u	w	T	l1	u1	w1	T1	
<b>PKD 9390 TMA +W</b>	540	270	480	672	570	132	97	140	200	33	500	315	1320	555	295	397	817	923	100	140	148	15	10	65	69.0	15	12	140	18	110	M20
	270	270	54	662		102	100	115						270			590			928	315		250	36	220	M24					
<b>PKD G 9390 TMA +W</b>	620	310	540	777	640	152	112	140	215	39	600	387	1229	657	326.5	253	970	976	112	190	200	10	10.5	70	74.5	15	13	140	20	110	M20
	310	310	54	782		152	140	140						337			653			1095	355		320	45	300	M30x60					



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	n1	r	r1	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x	d1	t1	v1
	a1			e1		n	n2	r2			i3			mG		p2	q1			L	u	w	T	l1	u1	w1	T1
<b>PKD 1490 TMA +W</b>	130	120	17	173	140	46	41	35	11	112	75	419	135	71	122	195	239	58	40	30	33.0	5	4	16	18.0	4	7
	130			166			36	37			65			142		228	71			60	8	50	M10	40	5	32	M5
<b>PKD G 1490 TMA +W</b>	130	120	17	173	140	46	41	35	11	112	85	419	145	71	122	195	239	58	40	35	38.0	7	4	16	18.0	4	7
	130			166			36	37			75			142		228	71			70	10	56	M12	40	5	32	M5
<b>PKD 2490 TMA +W</b>	120	140	26	191	166	61	51	30	14	140	91	471	161	86	122	237	291	58	44	35	38.0	7	5	16	18.0	4	7
	130			189			59	50			78			172		271	100			70	10	56	M12	40	5	32	M5
<b>PKD 3490 TMA +W</b>	150	165	27	231	195	71	61	40	18	180	114	502	196	100	122	296	320	60	74	45	48.5	5	6	16	18.0	4	7
	190			244			61	65			98			202		330	112			90	14	80	M16	40	5	32	M5
<b>PKD 4490 TMA +W</b>	180	180	35	261	220	81	71	55	22	212	150	621	240	115	172	348	380	69	97	60	64.0	10	5	24	27.0	5	8
	220			291			71	77			130			250		390	132			120	18	100	M20	50	8	40	M8
<b>PKD 5490 TMA +W</b>	240	240	41	332	285	102	102	75	26	265	171	703	291	145	172	427	462	69	117	70	74.5	15	6	24	27.0	5	8
	280			362			92	85			148			293		477	160			140	20	110	M20	50	8	40	M8

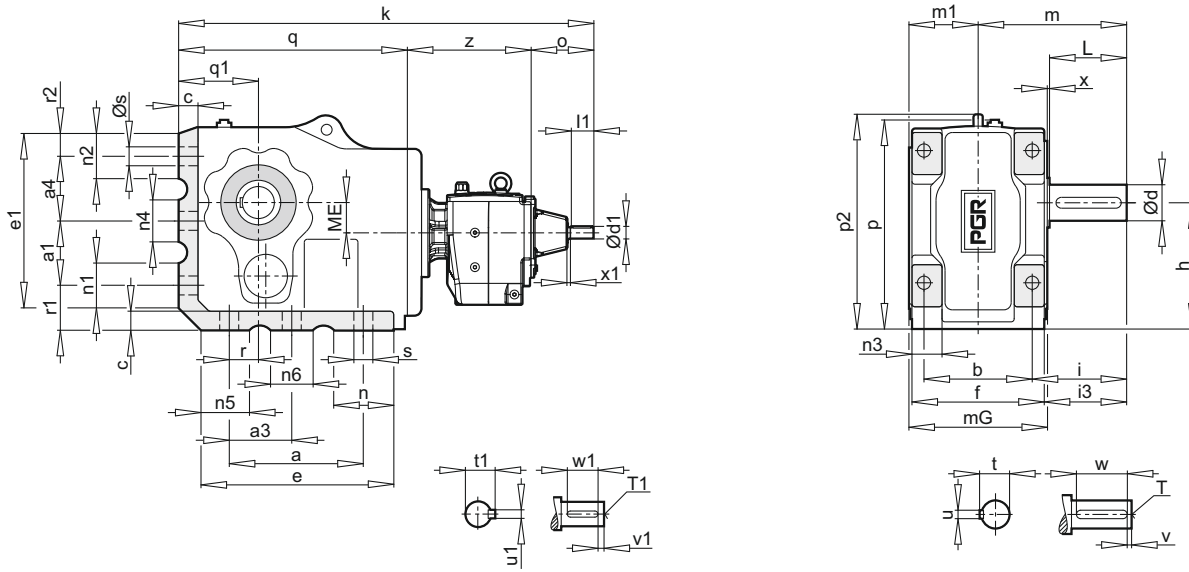
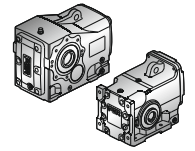


Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a	b	c	e	f	n	n1	r	r1	s	h	i	k	m	o	p	q	z	ME	d	t	v	x	d1	t1	v1
	a1			e1		n	n2	r1	s	h2	i3		m1	o	p2	q1			L	u	w	T	l1	u1	w1	T1
<b>PKD 6390/32 TMA + W</b>	280 310	270	46	392 422	330	112	112	95	33	315	212	961	347	172	502	552	237	50.7	90	95.0	15	7	24	27.0	5	8
<b>PKD 6390/42 TMA + W</b>	280 310	270	46	392 422	330	112	112	95	33	315	212	1044	347	213	502	552	279	50.7	90	95.0	15	7	38	41.0	5	8
<b>PKD 7390/32 TMA + W</b>	280 360	270	46	402 447	330	112	122	95	33	315	212	961	347	172	511	552	237	55.7	90	95.0	15	7	24	27.0	5	8
<b>PKD 7390/42 TMA + W</b>	280 360	270	46	402 447	330	112	122	95	33	315	212	1044	347	213	511	552	279	55.7	90	95.0	15	7	38	41.0	5	8
<b>PKD 8390/42 TMA + W</b>	350 400	330	49	502 522	395	152	122	115	39	375	253	1201	418	213	615	707	281	52	110	116	15	8	38	41.0	5	8
<b>PKD 8390/52 TMA + W</b>	350 400	330	49	502 522	395	152	122	115	39	375	253	1240	418	213	615	707	320	52	110	116	15	8	38	41.0	5	8
<b>PKD G 8390/52 TMA + W</b>	380 480	420	54	522 622	500	152	152	115	39	450	247	1266	457	213	712	733	320	89	120	127	15	9	38	41.0	5	8

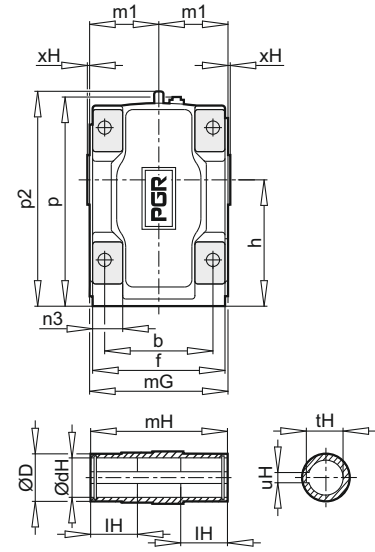
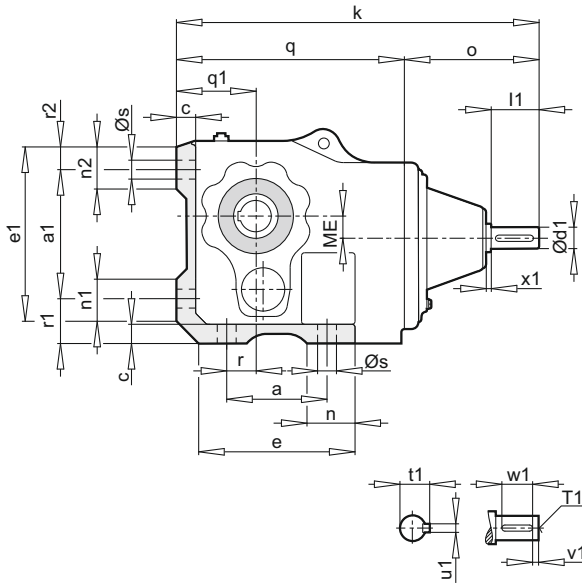
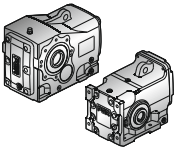


Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft					
	a	a4	b	e	f	n	n3	r	r1	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x	d1	t1	v1
	a1	a3	c	e1	n1	n2	n4	n5	n6	r2	h2	i3	k	mG	o	p2	q1	z	ME	L	u	w	T	l1	u1	w1	T1
<b>PKD 9390/52</b> <b>TMA + W</b>	540	270	480	672	570	132	97	140	200	33	500	315	1429	555	213	817	896	320	100	140	148	15	10	38	41.0	5	8
	270	270	54	662		102	100	115			218	270		295		928	315			250	36	220	M24	80	10	70	M12
						122	100	70						590													
<b>PKD G 9390/62</b> <b>TMA + W</b>	620	310	540	777	640	152	112	140	215	39	600	387	1652	657	288	970	962	402	112	190	200	10	10.5	42	45	10	8
	310	310	64	782		152	140	140			245	337		326.5		1095	355			320	45	300	M30x60	110	12	90	M16
						152	150	80						653													

**ALTI KADEME  
SIXTUPLE REDUCTION**



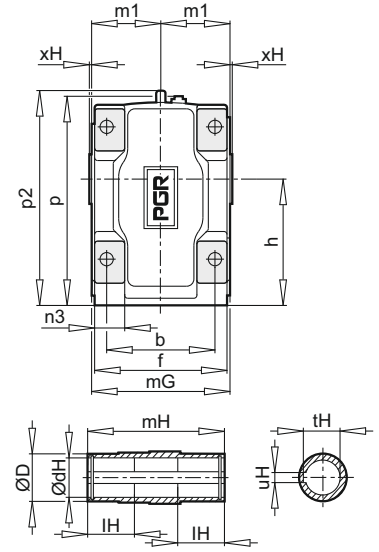
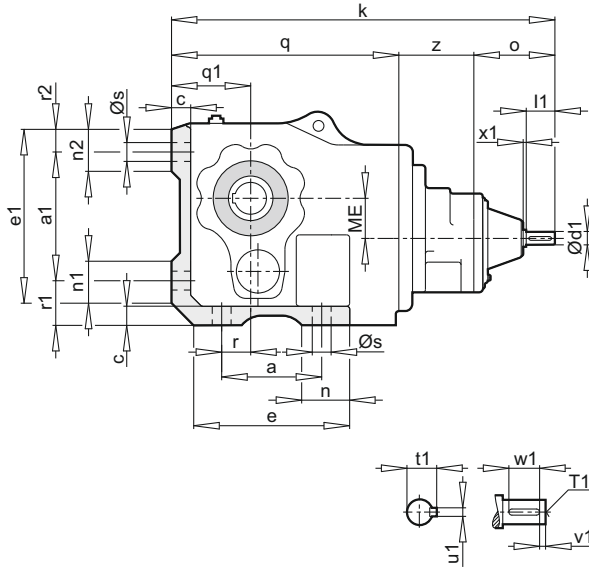
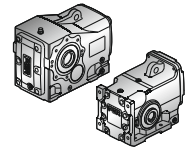
Tip	Montaj ölçüleri (Ayak)										Ana ölçüler							Çıkış Şaftı				Giriş Şaftı						
Type	Mounting dimensions (Foot)										Outline dimensions							Output Shaft				Input Shaft						
	a	a4	b	e	f	n	n3	n4	n6	r	s	h	i	k	m	o	p	q	z	ME	d	t	v	x	d1	t1	v1	x1
	a1	a3	c	e1		n1	n2	n5	n5	r1	r2	h2	i3		m1	mG	p2	q1			L	u	w	T	l1	u1	w1	T1
<b>PKD G 9390/63 TMA + W</b>	620	310	540	777	640	152	112	140	215	39	600	387	1551	657	213	970	962	376	112	190	200	10	10.5	38	41.0	5	8	
	310	310	64	782		152	140		140		245	337		326.5		1095	355			320	45	300	M30x60	80	10	70	M12	
						152	150		80					653														



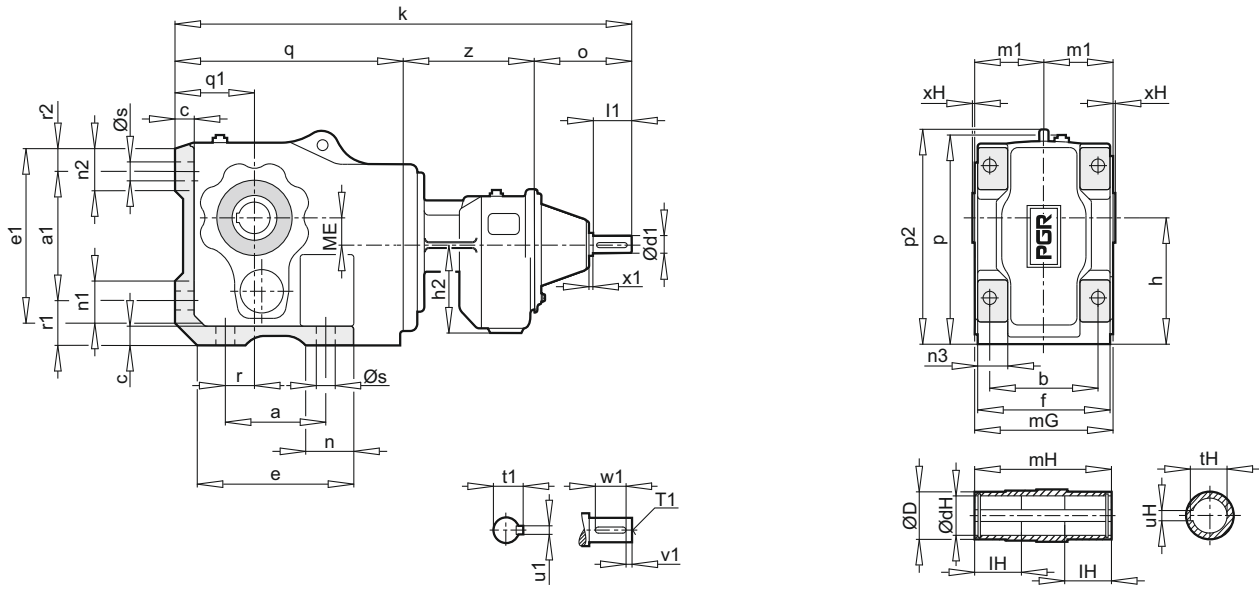
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions						Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft							
	a	b	c	e	f	n	n1	n2	n3	r	r1	r2	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH	d1	t1	v1	x1
	a1			e1			n2	n3	r2							mG		p2	q1		D	uH	mH		l1	u1	w1	T1
<b>PKD 1390 DA +W</b>	130	120	17	173	140	46	41	35	11					112	361	71	122	195	239	10	30	33.3	50	3	16	18.0	4	7
	130			166			36	37								142		228	71		45	8	148		40	5	32	M5
<b>PKD G 1390 DA +W</b>	130	120	17	173	140	46	41	35	11					112	361	71	122	195	239	10	30	33.3	50	3	16	18.0	4	7
	130			166			36	37								142		228	71		45	8	148		40	5	32	M5
<b>PKD 2390 DA +W</b>	120	140	26	191	166	61	51	30	14					140	413	86	122	237	291	14	35	38.3	60	4	16	18.0	4	7
	130			189			59	50								172		271	100		50	10	180		40	5	32	M5
<b>PKD 3390 DA +W</b>	150	165	27	231	195	71	61	40	18					180	492	100	172	296	320	24	40	43.3	70	5	24	27.0	5	8
	190			244			61	65								202		330	112		55	12	210		50	8	40	M8
<b>PKD 4390 DA +W</b>	180	180	35	261	220	81	71	55	22					212	593	115	213	348	380	36	50	53.8	80	5	38	41.0	5	8
	220			291			71	77								250		390	132		70	14	240		80	10	70	M12
<b>PKD 5390 DA +W</b>	240	240	41	332	285	102	102	75	26					265	675	145	213	427	462	41	60	64.4	100	5	38	41.0	5	8
	280			362			92	85								293		477	160		85	18	300		80	10	70	M12
<b>PKD 6390 DA +W</b>	280	270	46	392	330	112	112	95	33					315	840	170	288	502	552	50.7	70	74.9	120	5	42	45.0	10	8
	310			422			112	105								350		558	200		100	20	350		110	12	90	M16
<b>PKD 7390 DA +W</b>	280	270	46	402	330	112	122	95	33					315	840	170	288	511	552	55.7	80	85.4	120	5	42	45.0	10	8
	360			447			127	95								350		564	200		120	22	350		110	12	90	M16
<b>PKD 7390 DA +W</b>	280	270	46	402	330	112	122	95	33					315	840	170	288	511	552	55.7	90	95.4	120	5	42	45.0	10	8
	360			447			127	95								350		564	200		120	25	350		110	12	90	M16
<b>PKD 8390 DA +W</b>	350	330	49	502	395	152	122	115	39					375	1104	200	397	615	707	52	100	106.4	140	10	65	69.0	15	12
	400			522			122	110								450		709	225		130	28	420		140	18	110	M20
<b>PKD G 8390 DA +W</b>	380	420	54	522	500	152	152	140	39					450	1130	238	397	712	733	89	110	116.4	140	12	65	69.0	15	12
	480			622			142	120								500		822	250		140	28	500		140	18	110	M20
							102	65																				



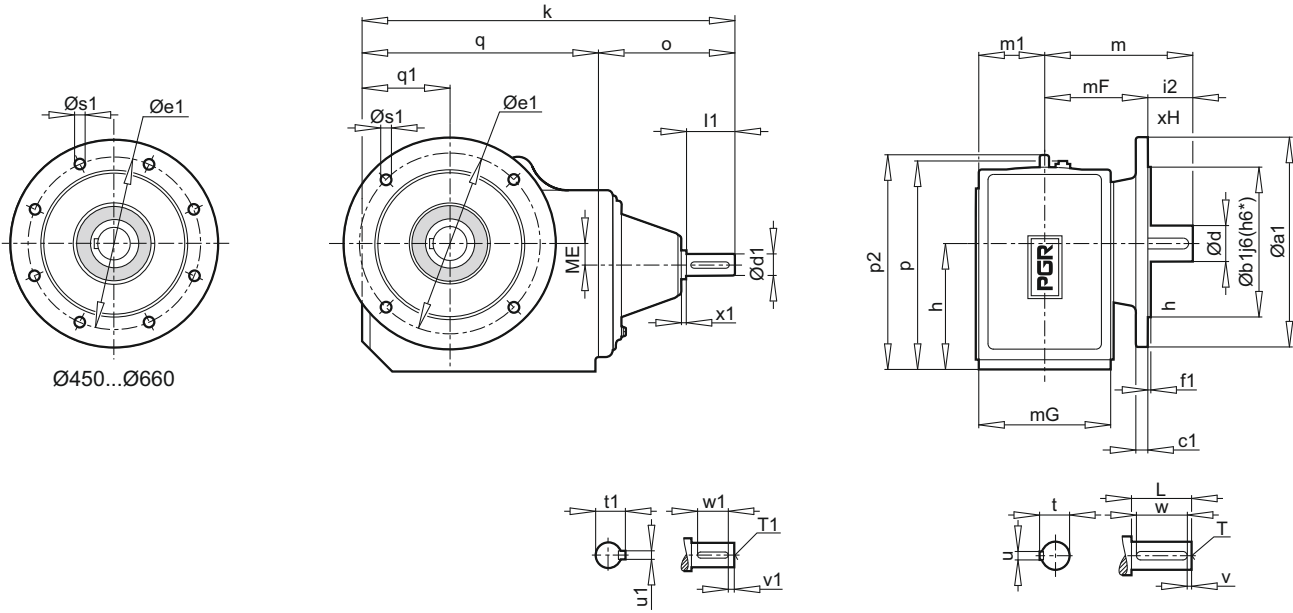
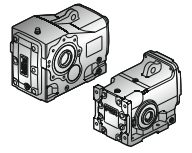
**DÖRT KADEME**  
**QUADRUPLE REDUCTION**



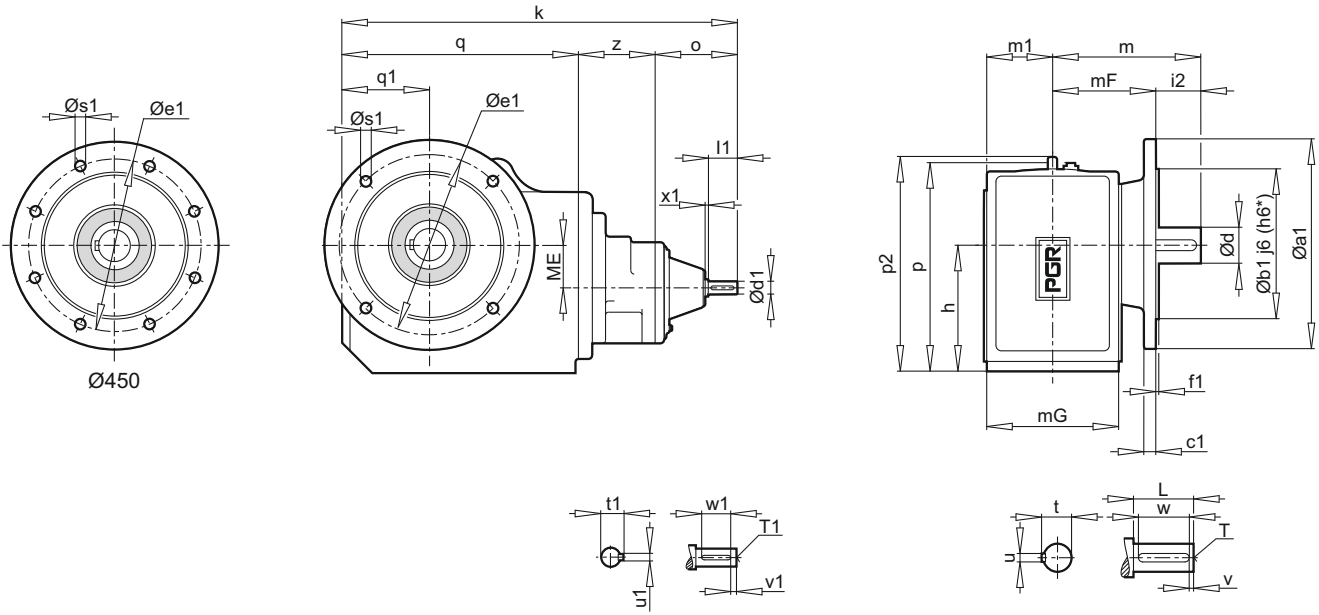
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a	b	c	e	f	n	n1	r	r1	s	h	k	m1	o	p	q	z	ME	dH	tH	IH	xH	d1	t1	v1
	a1		e1			n2	n3	r2				mG		p2	q1			D	uH	mH		l1	u1	w1	T1
<b>PKD 1490 DA +W</b>	130	120	17	173	140	46	41	35	11	112	419	71	122	195	239	58	40	30	33.3	50	3	16	18.0	4	7
	130		166				36	37				142		228	71			45	8	148		40	5	32	M5
<b>PKD G 1490 DA +W</b>	130	120	17	173	140	46	41	35	11	112	419	71	122	195	239	58	40	30	33.3	50	3	16	18.0	4	7
	130		166				36	37				142		228	71			45	8	148		40	5	32	M5
<b>PKD 2490 DA +W</b>	120	140	26	191	166	61	51	30	14	140	471	86	122	237	291	58	44	35	38.3	60	4	16	18.0	4	7
	130		189				59	50				172		271	100			50	10	180		40	5	32	M5
<b>PKD 3490 DA +W</b>	150	165	27	231	195	71	61	40	18	180	502	100	122	296	320	60	74	40	43.3	70	5	16	18.0	4	7
	190		244				61	65				202		330	112			55	12	210		40	5	32	M5
<b>PKD 4490 DA +W</b>	180	180	35	261	220	81	71	55	22	212	621	115	172	348	380	69	97	50	53.8	80	5	24	27.0	5	8
	220		291				71	77				250		390	132			70	14	240		50	8	40	M8
<b>PKD 5490 DA +W</b>	240	240	41	332	285	102	102	75	26	265	703	145	172	427	462	69	117	60	64.4	100	5	24	27.0	5	8
	280		362				92	85				293		477	160			85	18	300		50	8	40	M8



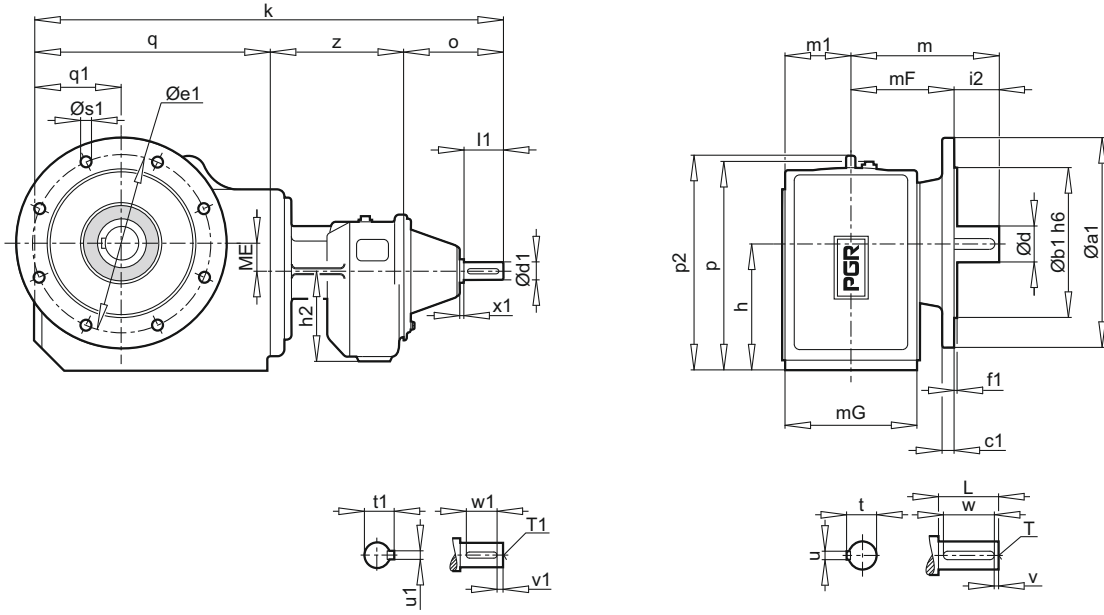
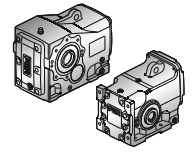
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a	b	c	e	f	n	n1	r	r1	s	h	k	m1	o	p	q	z	ME	dH	tH	IH	xH	d1	t1	v1
	a1			e1		n2	n3	r2		h2		mG		p2	q1			D	uH	mH		l1	u1	w1	T1
<b>PKD 6390/32</b> <b>DA + W</b>	280	270	46	392	330	112	112	95	33	315	961	170	172	502	552	237	50.7	70	74.9	120	5	24	27.0	5	8
	310			422				112	105	159		350		558	200			100	20	350		50	8	40	M8
<b>PKD 6390/42</b> <b>DA + W</b>	280	270	46	392	330	112	112	95	33	315	1044	170	213	502	552	279	50.7	70	74.9	120	5	38	41.0	5	8
	310			422				112	105	179		350		558	200			100	20	350		80	10	70	M12
<b>PKD 7390/32</b> <b>DA + W</b>	280	270	46	402	330	112	122	95	33	315	961	170	172	511	552	237	55.7	80	85.4	120	5	24	27.0	5	8
	360			447				127	95	159		350		564	200			120	22	350		50	8	40	M8
<b>PKD 7390/42</b> <b>DA + W</b>	280	270	46	402	330	112	122	95	33	315	1044	170	213	511	552	279	55.7	80	85.4	120	5	38	41.0	5	8
	360			447				127	95	179		350		564	200			120	22	350		80	10	70	M12
<b>PKD 7390/32</b> <b>DA + W</b>	280	270	46	402	330	112	122	95	33	315	961	170	172	511	552	237	55.7	90	95.4	120	5	24	27.0	5	8
	360			447				127	95	159		350		564	200			120	25	350		50	8	40	M8
<b>PKD 7390/42</b> <b>DA + W</b>	280	270	46	402	330	112	122	95	33	315	1044	170	213	511	552	279	55.7	90	95.4	120	5	38	41.0	5	8
	360			447				127	95	179		350		564	200			120	25	350		80	10	70	M12
<b>PKD 8390/42</b> <b>DA + W</b>	350	330	49	502	395	152	122	115	39	375	1201	200	213	615	707	281	52	100	106.4	140	10	38	41.0	5	8
	400			522				122	110	179		450		709	225			130	28	420		80	10	70	M12
<b>PKD 8390/52</b> <b>DA + W</b>	350	330	49	502	395	152	122	115	39	375	1240	200	213	615	707	320	52	100	106.4	140	10	38	41.0	5	8
	400			522				122	110	218		450		709	225			130	28	420		80	10	70	M12
<b>PKD G 8390/52</b> <b>DA + W</b>	380	420	54	522	500	152	152	115	39	450	1266	238	213	712	733	320	89	110	116.4	140	12	38	41.0	5	8
	480			622				142	120	218		500		822	250			140	28	500		80	10	70	M12



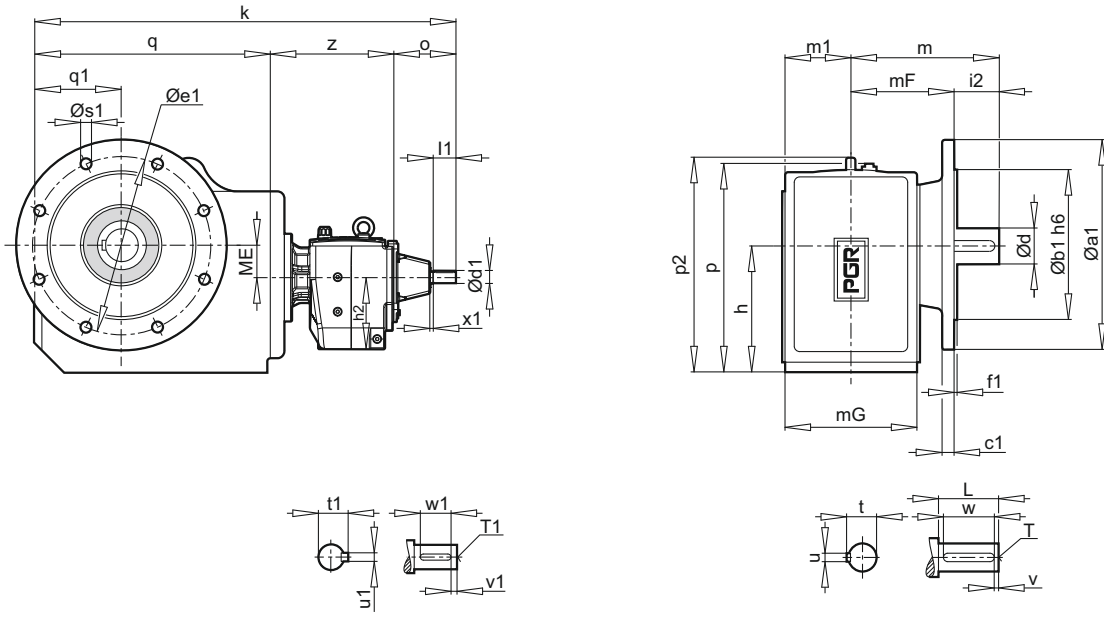
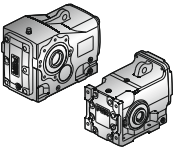
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	ME	d L	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 1390 TMG/B5 + W</b>	200	130	12	165	3.5	4x11	112	21	372	134	68 113 144	122	198 232	250	82	10	30 60	33.0 8	5 50	M10	16 40	18.0 5	4 32	7 M5
<b>PKD G 1390 TMG/B5 + W</b>	200	130	12	165	3.5	4x11	112	31	372	144	68 113 144	122	198 232	250	82	10	35 70	38.0 10	7 56	M12 5	16 40	18.0 5	4 32	7 M5
<b>PKD 2390 TMG/B5 + W</b>	250	180	16	215	4.0	4x14	143	26	415	160	82 134 164	122	244 278	293	102	14	35 70	38.0 10	7 56	M12	16 40	18.0 5	4 32	7 M5
<b>PKD 3390 TMG/B5 + W</b>	250 300	180 230	16 20	215 265	4.0	4x14	180	46	506	196	97 150 200	172	301 335	334	126	24	45 90	48.5 14	5 80	M16	24 50	27.0 8	5 40	8 M8
<b>PKD 4390 TMG/B5 + W</b>	350	250*	20	300	5.0	4x18	217	75	615	240	108 165 250	213	358 400	402	154	36	60 120	64.0 18	10 100	M20	38 80	41.0 10	5 70	8 M12
<b>PKD 5390 TMG/B5 + W</b>	400 450	300* 350*	20 22	350 400	5.0	4x18 8x18	262	90	700	291	141 201 290	213	429 479	487	185	41	70 140	74.5 20	15 110	M20	38 80	41.0 10	5 70	8 M12
<b>PKD 6390 TMG/B5 + W</b>	450 550	350* 450*	22 28	400 500	5.0	8x18 8x18	315	118	858	345	165 227 350	288	510 566	570	218	50.7	90 170	95.0 25	15 140	M24	42 110	45.0 12	10 90	8 M16
<b>PKD 7390 TMG/B5 + W</b>	450 550	350* 450*	22 28	400 500	5.0	8x18 8x18	315	120	858	347	165 227 350	288	511 564	570	218	55.7	90 170	95.0 25	15 140	M24 10	42 110	45.0 12	10 90	8 M16
<b>PKD 8390 TMG/B5 + W</b>	550	450*	28	500	5.0	8x18	375	163	1119	420	195 257 450	397	620 714	722	240	52	110 210	116 28	15 180	M24	65 140	69.0 18	15 110	12 M20
<b>PKD G 8390 TMG/B5 + W</b>	660	550*	32	600	6.0	8x22	450	145	1145	460	235 315 486	397	722 832	748	265	89	120 210	127 32	15 180	M24	65 140	69.0 18	15 110	12 M20
<b>PKD 9390 TMG/B5 + W</b>	660	550*	32	600	6.0	8x22	500	187	1316	555	288 368 590	397	817 928	919	310	100	140 250	148 36	15 220	M24	65 140	69.0 18	15 110	12 M20
<b>PKD G 9390 TMG/B5 + W</b>	660	550*	32	600	6.0	8x22	600	247	1218	657	320 410 653	253	970 1000	976	344	112	190 320	200 45	10 300	M30x60	70 140	74.5 20	15 110	13 M20



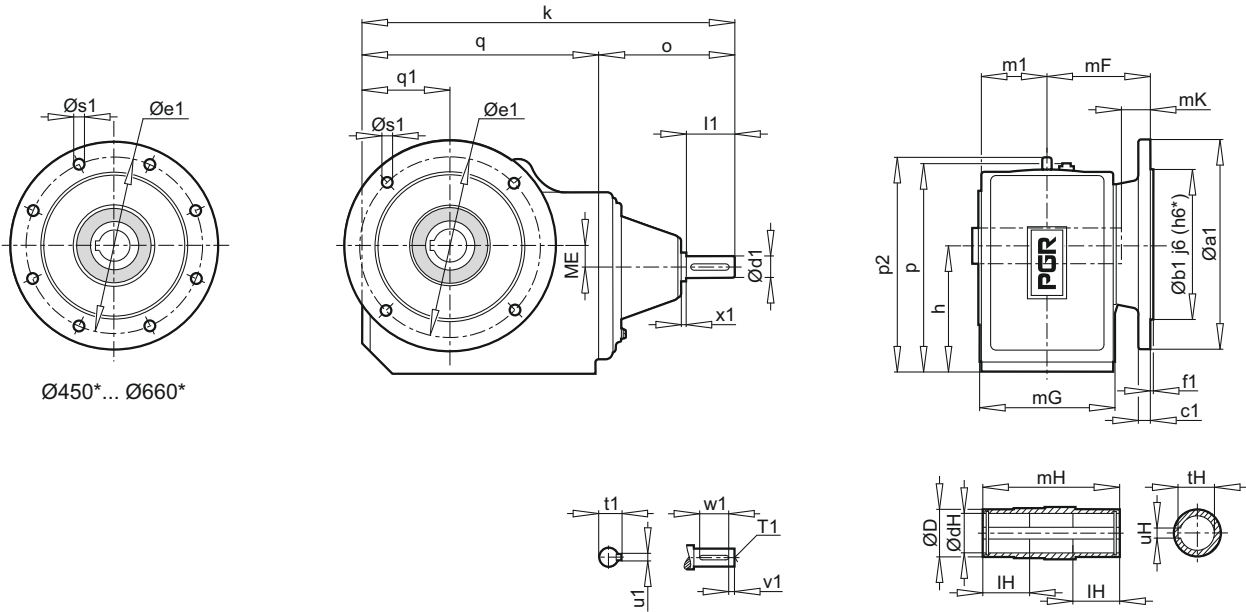
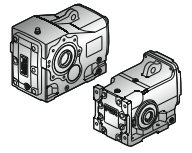
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	z	ME	d L	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 1490</b> <b>TMG/B5 + W</b>	200	130	12	165	3.5	4x11	112	21	430	134	68 113 144	122	198 232	250	82	58	40	30 60	33.0 8	5 50	M10	16 40	18.0 5	4 32	7 M5
<b>PKD G1490</b> <b>TMG/B5 + W</b>	200	130	12	165	3.5	4x11	112	31	430	144	68 113 144	122	198 232	250	82	58	40	35 70	38.0 10	7 56	M12	16 40	18.0 5	4 32	7 M5
<b>PKD 2490</b> <b>TMG/B5 + W</b>	250	180	16	215	4	4x14	143	26	473	160	82 134 164	122	244 278	293	102	58	44	35 70	38.0 10	7 56	M12	16 40	18.0 5	4 32	7 M5
<b>PKD 3490</b> <b>TMG/B5 + W</b>	250 300	180 230	16 20	215 265	4 4	4x14 4X14	180	46	516	196	97 150 200	122	301 335	334	126	60	74	45 90	48.5 14	5 80	M16	16 40	18.0 5	4 32	7 M5
<b>PKD 4490</b> <b>TMG/B5 + W</b>	350	250*	20	300	5	4x18	217	75	643	240	108 165 250	172	358 400	402	154	69	97	60 120	64.0 18	10 100	M20	24 50	27.0 8	5 40	8 M8
<b>PKD 5490</b> <b>TMG/B5 + W</b>	400 450	300* 350*	20 22	350 400	5 5	4x18 8x18	262	90	728	291	141 201 290	172	429 479	487	185	69	117	70 140	74.5 20	15 110	M20	24 50	27.0 8	5 40	8 M8



Tip Type	Montaj ölçüleri (Flanş)						Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft						
	a1	b1	c1	e1	f1	s1	h h2	i2	k	m	m1 mF mG	o	p p2	q q1	z	ME	d L	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
PKD 6390/32 TMG/B5 + W	450	350	22	400	5	8x18	315	118	979	345	165	172	510	570	237	50.7	90	95.0	15	M24	24	27.0	5	8
	550	450	28	500	5	8x18	159				227		566	218			170	25	140		50	8	40	M8
PKD 6390/42 TMG/B5 + W	450	350	22	400	5	8x18	315	118	1062	345	165	213	510	570	279	50.7	90	95.0	15	M24	38	41.0	5	8
	550	450	28	500	5	8x18	179				227		566	218			170	25	140		80	10	70	M12
PKD 7390/32 TMG/B5 + W	450	350	22	400	5	8x18	315	120	979	347	165	172	511	570	237	55.7	90	95.0	15	M24	24	27.0	5	8
	550	450	28	500	5	8x18	159				227		564	218			170	25	140		50	8	40	M8
PKD 7390/42 TMG/B5 + W	450	350	22	400	5	8x18	315	120	1062	347	165	213	511	570	279	55.7	90	95.0	15	M24	38	41.0	5	8
	550	450	28	500	5	8x18	179				227		564	218			170	25	140		80	10	70	M12
PKD 8390/42 TMG/B5 + W	550	450	28	500	5	8x18	375	163	1216	420	195	213	620	722	281	52	110	116	15	M24	38	41.0	5	8
							179				257		714	240			210	28	180		80	10	70	M12
PKD 8390/52 TMG/B5 + W	550	450	28	500	5	8x18	375	163	1255	420	195	213	620	722	320	52	110	116	15	M24	38	41.0	5	8
							218				257		714	240			210	28	180		80	10	70	M12
PKD G8390/52 TMG/B5 + W	660	550	32	600	6	8x22	450	145	1281	460	235	213	722	748	320	89	120	127	15	M24	38	41.0	5	8
							218				315		832	265			210	32	180		80	10	70	M12
PKD 9390/52 TMG/B5 + W	660	550	32	600	6	8x22	500	187	1425	555	288	213	817	892	320	100	140	148	15	M24	38	41.0	5	8
							218				368		928	310			250	36	220		80	10	70	M12
PKD G 9390/62 TMG/B5 + W	660	550	32	600	6	8x22	600	247	1641	657	320	288	970	962	402	112	190	200	10	M30x60	42	45	10	8
							245				410		1000	344			320	45	300		110	12	90	M16

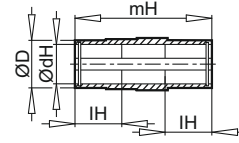
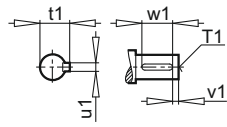
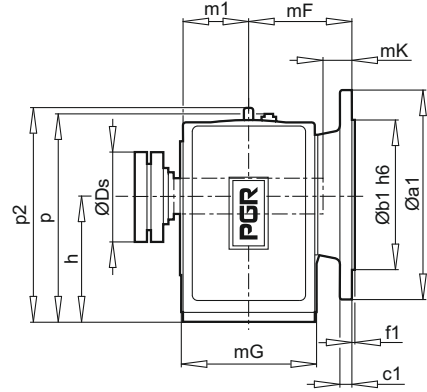
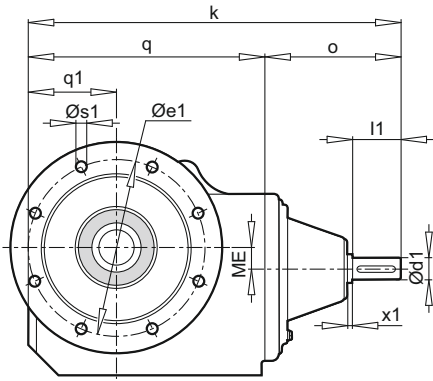
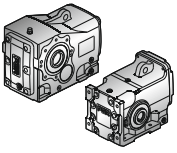


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft						
	a1	b1	c1	e1	f1	s1	h h2	i2	k	m	m1 mF mG	o	p p2	q q1	z	ME	d L	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD G 9390/63 TMG/B5 + W</b>	660	550	32	600	6	8x22	600 245	247	1540	657	320 410 653	213	970 1000	962 344	376	112	190 320	200 45	10 300	M30x60	38 80	41 10	5 70	8 M12



Ø450\*... Ø660\*

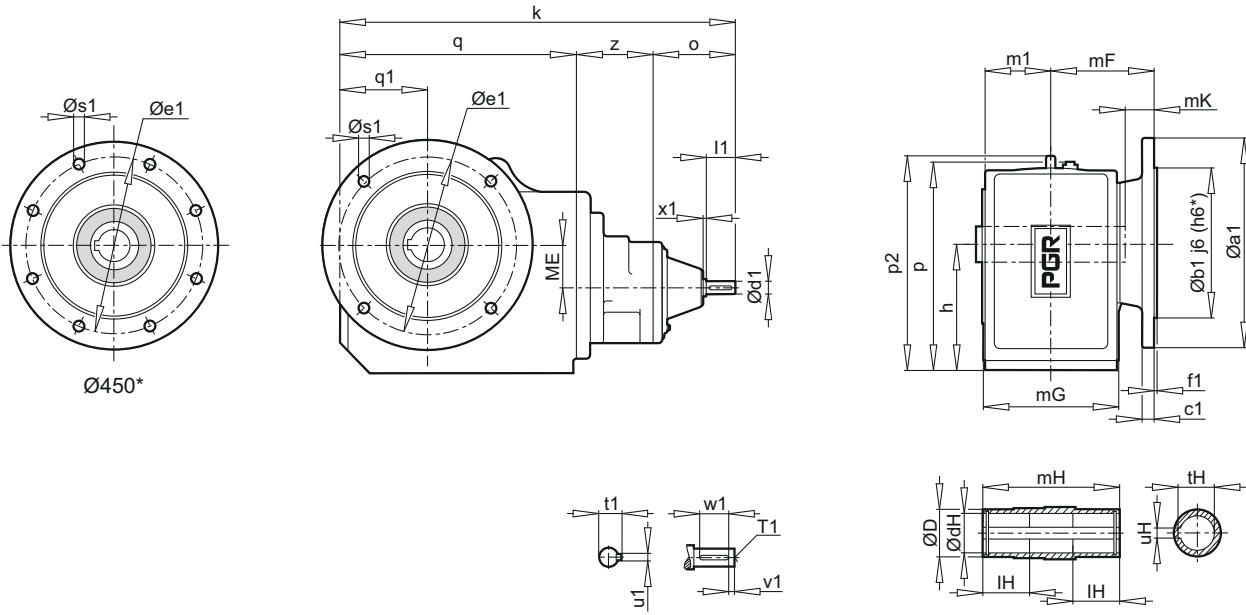
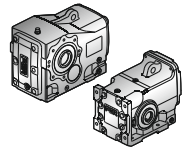
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	dH D	tH uH	IH mH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 1390 DG/B5 + W</b>	200	130	12	165	3.5	4x11	112	372	68 113 144	39	122	198 232	250	82	10	35 50	38.3 10	50 148	16 40	18.0 5	4 32	7 M5
<b>PKD G 1390 DG/B5 + W</b>	200	130	12	165	3.5	4x11	112	372	68 113 144	39	122	198 232	250	82	10	40 50	42.2 12	50 148	16 40	18.0 5	4 32	7 M5
<b>PKD 2390 DG/B5 + W</b>	250	180	16	215	4.0	4x14	143	415	82 134 164	44	122	244 278	293	102	14	40 55	43.3 12	60 180	16 40	18.0 5	4 32	7 M5
<b>PKD 3390 DG/B5 + W</b>	250 300	180 230	16 20	215 265	4.0 4.0	4x14 4x14	180	506	97 150 200	45	172	301 335	334	126	24	50 70	53.8 14	70 210	24 50	27.0 8	5 40	8 M8
<b>PKD 4390 DG/B5 + W</b>	350	250	20	300	5.0	4x18	217	615	108 165 250	45	213	358 400	402	154	36	60 80	64.4 18	80 240	38 80	41.0 10	5 70	8 M12
<b>PKD 5390 DG/B5 + W</b>	400 450	300 350*	20 22	350 400	5.0 5.0	4x18 8x18	262	700	141 201 290	51	213	429 479	487	185	41	70 100	74.9 20	100 300	38 80	41.0 10	5 70	8 M12
<b>PKD 6390 DG/B5 + W</b>	450 550	350* 450*	22 28	400 500	5.0 5.0	8x18 8x18	315	858	165 227 350	52	288	510 566	570	218	50.7	80 110	85.4 22	120 350	42 110	45.0 12	10 90	8 M16
<b>PKD 7390 DG/B5 + W</b>	450 550	350* 450*	22 28	400 500	5.0 5.0	8x18 8x18	315	858	165 227 350	52	288	511 564	570	218	55.7	80 120	85.4 22	120 350	42 110	45.0 12	10 90	8 M16
<b>PKD 7390 DG/B5 + W</b>	450 550	350* 450*	22 28	400 500	5.0 5.0	8x18 8x18	315	858	165 227 350	52	288	511 564	570	218	55.7	90 120	95.4 25	120 350	42 110	45.0 12	10 90	8 M16
<b>PKD 8390 DG/B5 + W</b>	550	450*	28	500	5.0	8x18	375	1119	195 257 450	47	397	620 714	722	240	52	110 140	116.4 28	140 420	65 140	69.0 18	15 110	12 M20
<b>PKD G 8390 DG/B5 + W</b>	660	550*	32	600	6.0	8x22	450	1145	235 315 486	65	397	722 832	748	265	89	120 160	127.4 32	160 500	65 140	69.0 18	15 110	12 M20



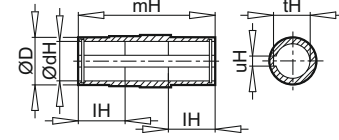
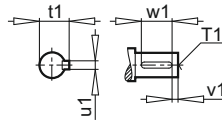
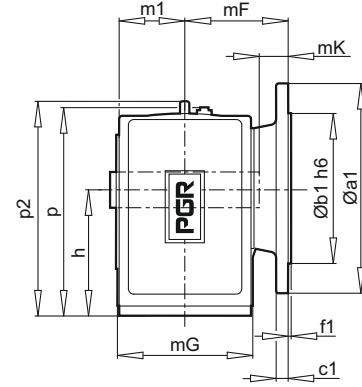
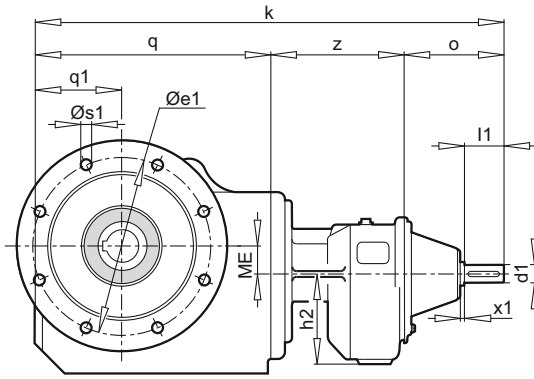
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	dH D	Ds mH	IH IB	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 9390 DG/B5 + W</b>	660	550	32	600	6.0	8x22	500	1316	288 368 590	63	397	817 928	919	310	100	150 185	335 710	98 100	65 140	69.0 18	15 110	12 M20
<b>PKD G 9390 DG/B5 + W</b>	660	550	32	600	6.0	8x22	600	1218	320 410 653	73	253	970 1000	976	344	112	155/160 200	386 804	95 129	70 140	74.5 20	15 110	13 M20



**DÖRT KADEME**  
**QUADRUPLE REDUCTION**

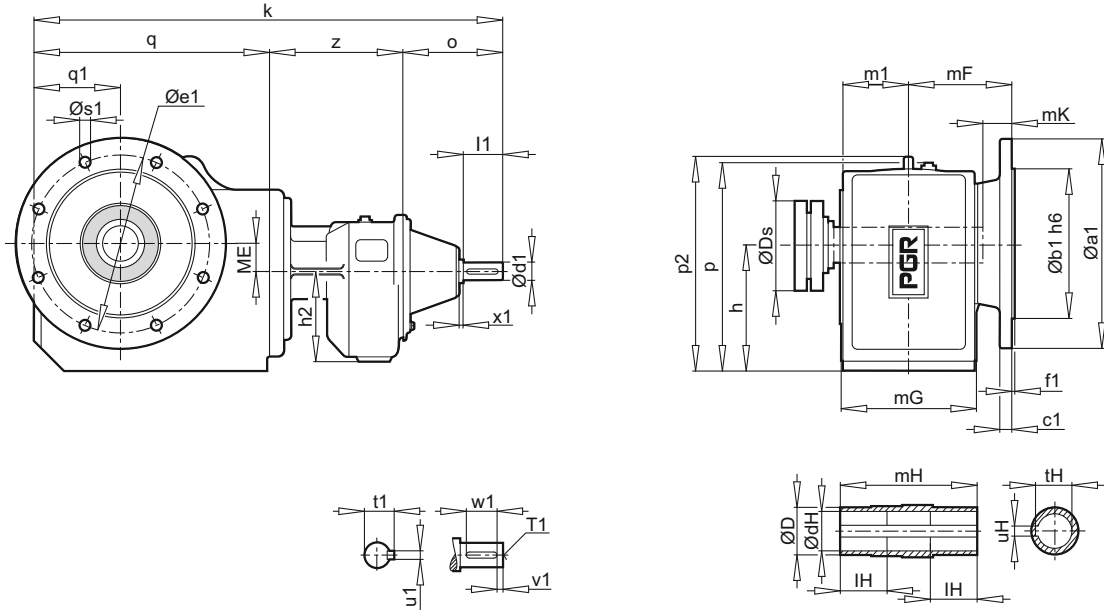
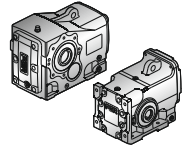


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft					
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 1490 DG/B5 + W</b>	200	130	12	165	3.5	4x11	112	430	68 113 144	39	122	198 232	250	82	58	40	35 50	38.3 10	50 148	16 40	18.0 5	4 32	7 M5
<b>PKD G1490 DG/B5 + W</b>	200	130	12	165	3.5	4x11	112	430	68 113 144	39	122	198 232	250	82	58	40	40 50	42.2 12	50 148	16 40	18.0 5	4 32	7 M5
<b>PKD 2490 DG/B5 + W</b>	250	180	16	215	4	4x14	143	473	82 134 164	44	122	244 278	293	102	58	44	40 55	43.3 12	60 180	16 40	18.0 5	4 32	7 M5
<b>PKD 3490 DG/B5 + W</b>	250 300	180 230	16 20	215 265	4 4	4x14 4X14	180	516	97 150 200	45	122	301 335	334	126	60	74	50 70	53.8 14	70 210	16 40	18.0 5	4 32	7 M5
<b>PKD 4490 DG/B5 + W</b>	350	250*	20	300	5	4x18	217	643	108 165 250	45	172	358 400	402	154	69	97	60 80	64.4 18	80 240	24 50	27.0 8	5 40	8 M8
<b>PKD 5490 DG/B5 + W</b>	400 450*350*	300* 22	20	350 400	5 8	4x18 8x18	262	728	141 201 290	51	172	429 479	487	185	69	117	70 100	74.9 20	100 300	24 50	27.0 8	5 40	8 M8

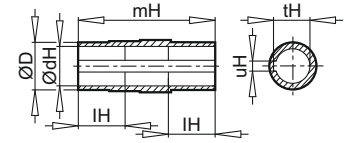
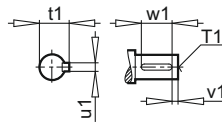
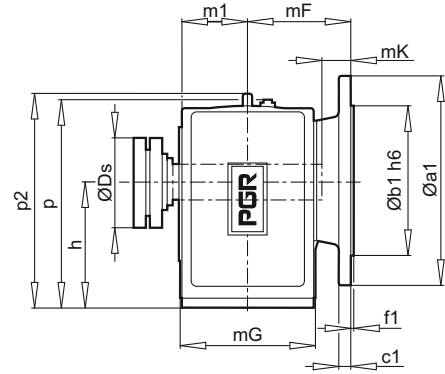
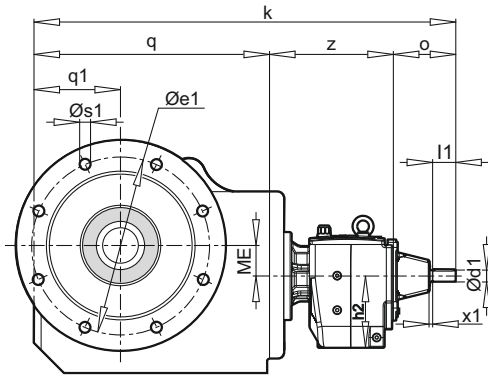


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft				
	a1	b1	c1	e1	f1	s1	h h2	k	m1 mF mG	mK	o	p p2	q q1	z	ME	dH D	tH uH	IH mH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 6390/32 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 159	979	165 227 350	52	172	510 566	570 218	237	50.7	80 110	85.4 22	120 350	24 50	27.0 8	5 40	8 M8
<b>PKD 6390/42 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 179	1062	165 227 350	52	213	510 566	570 218	279	50.7	80 110	85.4 22	120 350	38 80	41.0 10	5 70	8 M12
<b>PKD 7390/32 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 159	979	165 227 350	52	172	511 564	570 218	237	55.7	80 120	85.4 22	120 350	24 50	27.0 8	5 40	8 M8
<b>PKD 7390/42 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 179	1062	165 227 350	52	213	511 564	570 218	279	55.7	80 120	85.4 22	120 350	38 80	41.0 10	5 70	8 M12
<b>PKD 7390/32 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 159	979	165 227 350	52	172	511 564	570 218	237	55.7	90 120	95.4 25	120 350	24 50	27.0 8	5 40	8 M8
<b>PKD 7390/42 DG/B5 + W</b>	450 550	350 450	22 28	400 500	5 5	8x18 8x18	315 179	1062	165 227 350	52	213	511 564	570 218	279	55.7	90 120	95.4 25	120 350	38 80	41.0 10	5 70	8 M12
<b>PKD 8390/42 DG/B5 + W</b>	550	450	28	500	5	8x18	375 179	1216	195 257 450	47	213	620 714	722 240	281	52	110 140	116.4 28	140 420	38 80	41.0 10	5 70	8 M12
<b>PKD 8390/52 DG/B5 + W</b>	550	450	28	500	5	8x18	375 218	1255	195 257 450	47	213	620 714	722 240	320	52	110 140	116.4 28	140 420	38 80	41.0 10	5 70	8 M12
<b>PKD G8390/52 DG/B5 + W</b>	660	550	32	600	6	8x22	450 218	1281	235 315 486	460	213	722 832	748 265	320	89	120 160	127.4 32	160 500	38 80	41.0 10	5 70	8 M12

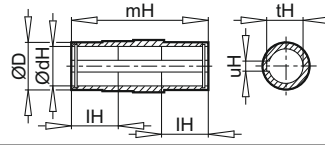
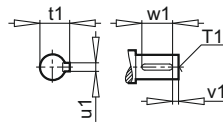
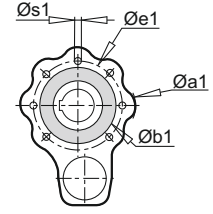
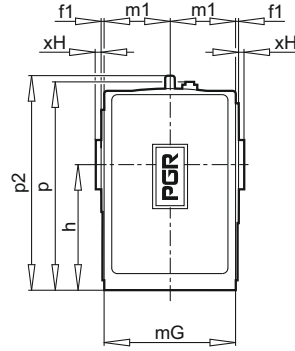
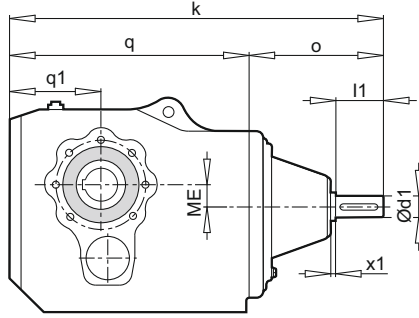
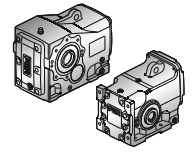
**BEŞ KADEME**  
**QUINTUPLE REDUCTION**



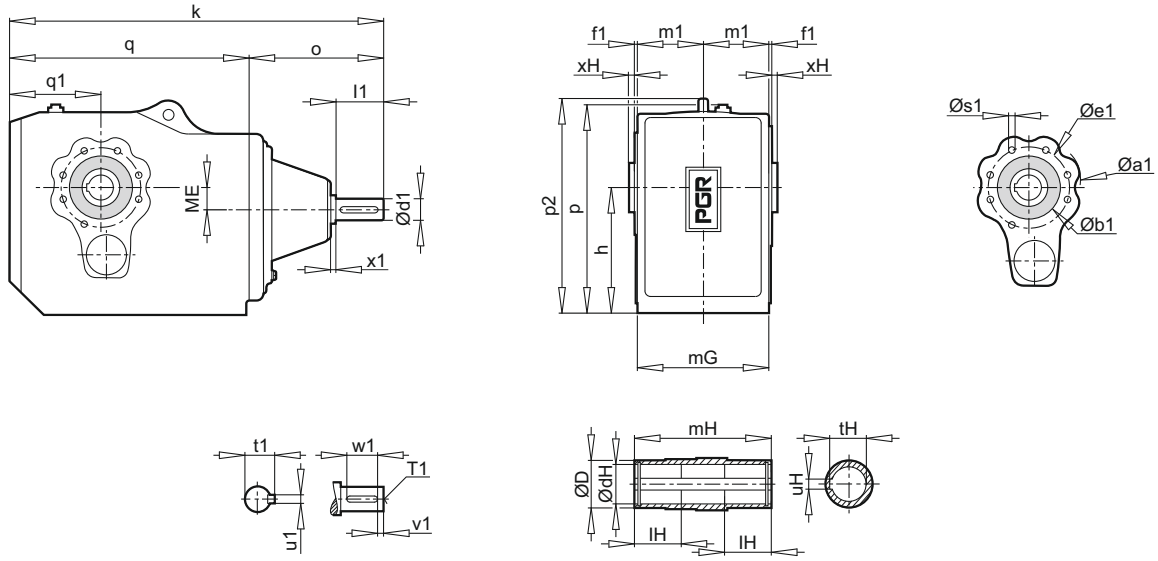
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft					
	a1	b1	c1	e1	f1	s1	h h2	k	m1 mF mG	mK	o	p p2	q q1	z	ME	dH D	Ds mH	IH IB	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 9390/52</b> <b>DG/KS-B5</b> <b>+ W</b>	660	550	32	600	6	8x22	500 218	1425	288 368 590	63	213	817 928	892 310	320	100	150 185	335 710	98 100	38 80	41.0 10	5 70	8 M12
<b>PKD G 9390/62</b> <b>DG/KS-B5</b> <b>+ W</b>	660	550	32	600	6	8x22	600 245	1655	320 410 653	73	288	970 1000	976 344	402	112	155/160 200	386 804	95 129	42 110	45 12	10 90	8 M16



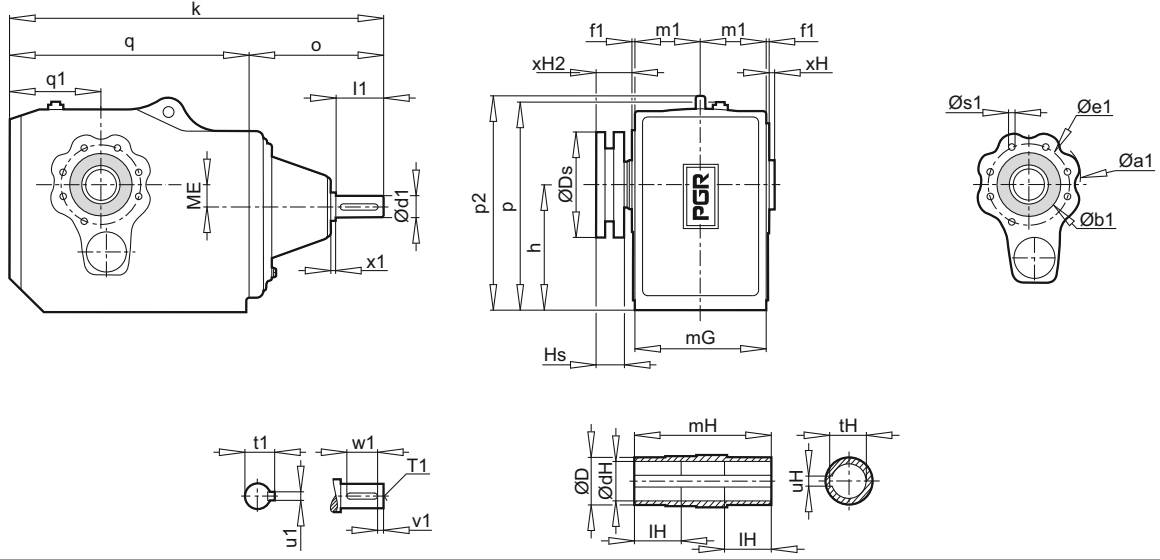
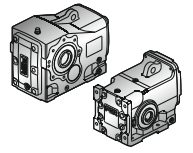
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)							Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft			Giriş Şaftı Input Shaft					
	a1	b1	c1	e1	f1	s1	h	k	m1	mF	mK	o	p	q	z	ME	dH	Ds	IH	d1	t1	v1	x1
							h2		mG				p2	q1			D	mH	IB	l1	u1	w1	T1
<b>PKD G 9390/63 DG/KS-B5 + W</b>	660	550	32	600	6	8x22	600	1554	320	73	213	970	976	376	112	150/160	386	95	38	41	5	8	
							245		410			1000	344				200	804	129	80	10	70	M12



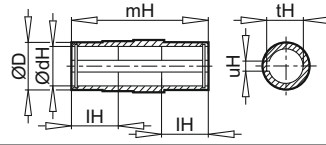
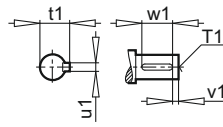
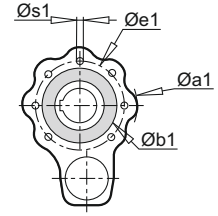
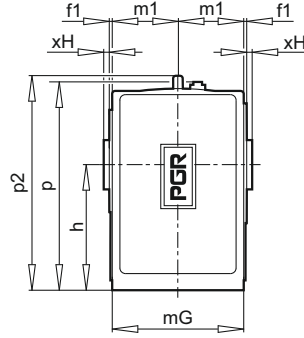
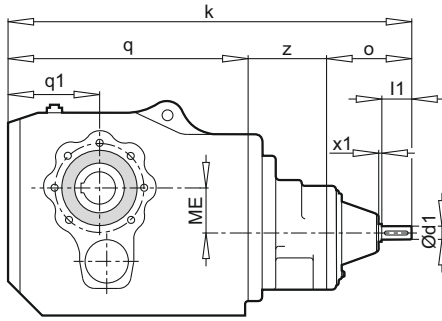
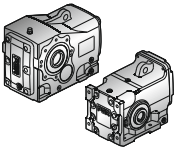
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH	tH	IH	xH	d1	t1	v1	x1
											p2				D	uH	mH		l1	u1	w1	T1
<b>PKD 1390 DG/B14 + W</b>	140	95	115	3	M8x13	112	372	68	144	122	198 232	250	82	10	35 50	38.3 10	50 148	3	16 40	18.0 5	4 32	7 M5
<b>PKD G 1390 DG/B14 + W</b>	140	95	115	3	M8x13	112	372	68	144	122	198 232	250	82	10	40 50	42.2 12	50 148	3	16 40	18.0 5	4 32	7 M5
<b>PKD 2390 DG/B14 + W</b>	160	110	130	4	M8x13	143	415	82	164	122	244 278	293	102	14	40 55	43.3 12	60 180	4	16 40	18.0 5	4 32	7 M5
<b>PKD 3390 DG/B14 + W</b>	200	130	165	3	M10x16	180	506	97	200	172	301 335	334	126	24	50 70	53.8 14	70 210	5	24 50	27.0 8	5 40	8 M8
<b>PKD 4390 DG/B14 + W</b>	250	180	215	7	M12x20	217	615	108	250	213	358 400	402	154	36	60 80	64.4 18	80 240	5	38 80	41.0 10	5 70	8 M12
<b>PKD 5390 DG/B14 + W</b>	300	230	265	4	M12x20	262	700	141	290	213	429 479	487	185	41	70 100	74.9 20	100 300	5	38 80	41.0 10	5 70	8 M12



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	e1	f1	s1	h	k	m1 mG	o	p p2	q	q1	ME	dH D	tH uH	IH mH	xH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 6390 DG/B14 + W</b>	350	250	300	5	M16x25	315	858	165 350	288	510 566	570	218	50.7	80 110	85.4 22	120 350	5	42 110	45.0 12	10 90	8 M16
<b>PKD 7390 DG/B14 + W</b>	350	250	300	5	M16x25	315	858	165 350	288	511 564	570	218	55.7	80 120	85.4 22	120 350	5	42 110	45.0 12	10 90	8 M16
<b>PKD 7390 DG/B14 + W</b>	350	250	300	5	M16x25	315	858	165 350	288	511 564	570	218	55.7	90 120	95.4 25	120 350	5	42 110	45.0 12	10 90	8 M16
<b>PKD 8390 DG/B14 + W</b>	400	300	350	7	M16x25	375	1119	195 450	397	620 714	722	240	52	110 140	116.4 28	140 420	8	65 140	69.0 18	15 110	12 M20
<b>PKD G8390 DG/B14 + W</b>	450	350	400	7	M20x30	450	1145	235 486	397	722 832	748	265	89	120 160	127.4 32	160 500	8	65 140	69.0 18	15 110	12 M20

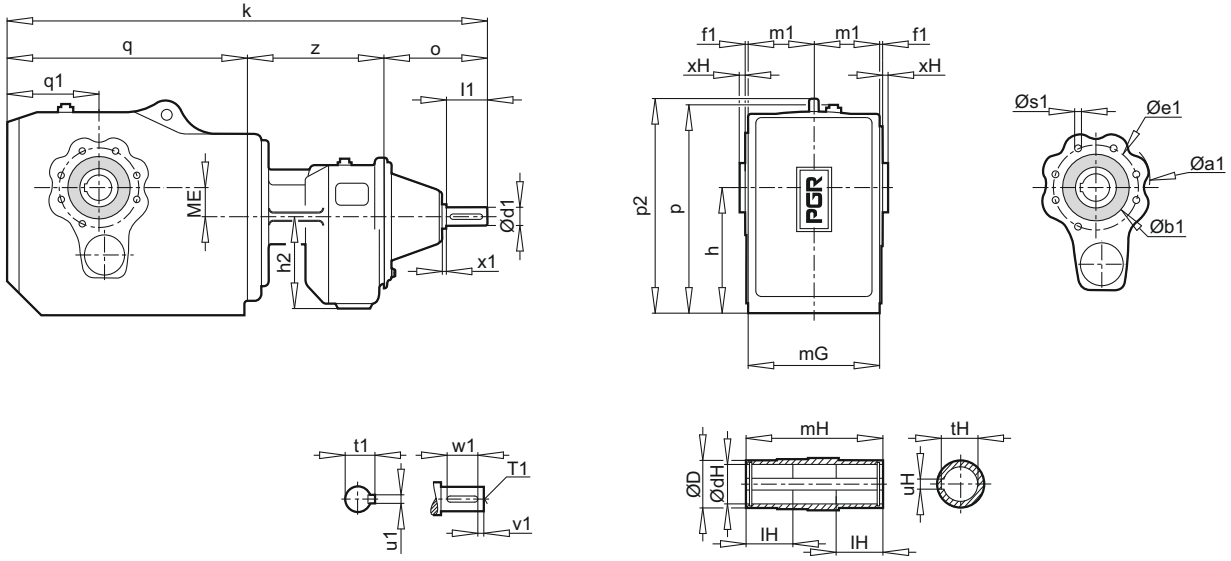
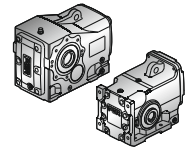


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft					Giriş Şaftı Input Shaft						
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	ME	Ds Hs	D D1	dH	IB IH	mH xH2	xH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 9390 DG/KS-B14 + W</b>	450	350	400	7	M20x30	500	1300	288	590	397	817	919	310	100	330	200	150	100	710	10	65	69	15	12
											928				86	185		98	110		140	18	110	M20
<b>PKD G 9390 DG/KS-B14 + W</b>	550	450	500	6.5	M24x36	600	1218	320	653	253	970	976	344	112	386	200	155/160	129	804	10.5	70	74.5	15	13
											1000				142.5	195		95	160		140	20	110	M20

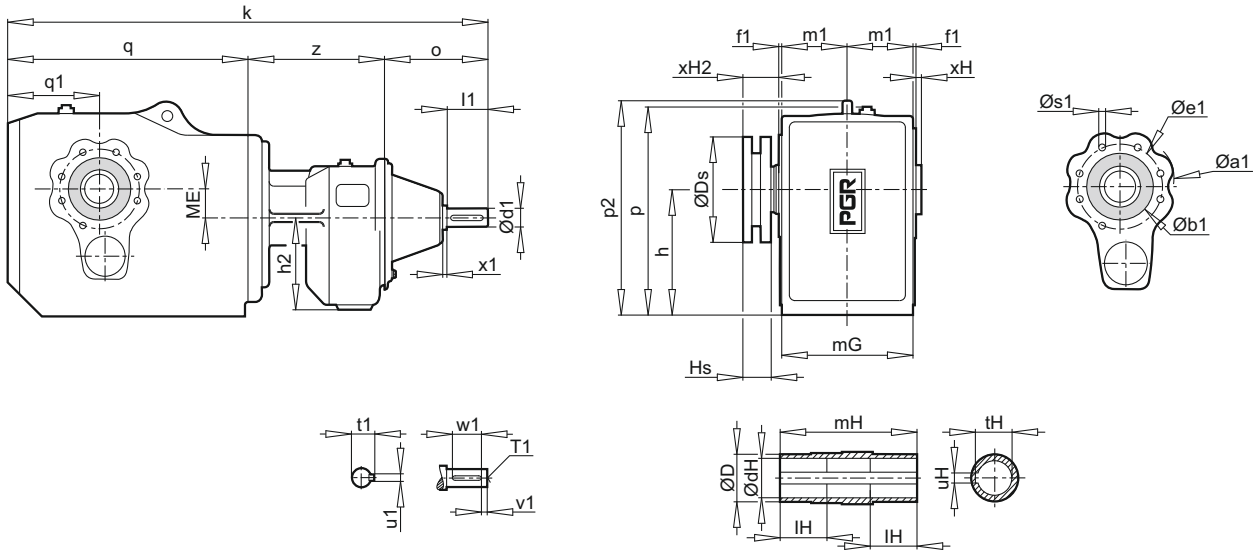


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	z	ME	dH	tH	IH	xH	d1	t1	v1	x1
											p2					D	uH	mH		l1	u1	w1	T1
<b>PKD 1490 DG/B14 + W</b>	140	95	115	3	M8x13	112	430	68	144	122	198 232	250	82	58	40	35 50	38.3 10	50 148	3	16 40	18 5	4 32	7 M5
<b>PKD G 1490 DG/B14 + W</b>	140	95	115	3	M8x13	112	430	68	144	122	198 232	250	82	58	40	40 50	42.2 12	50 148	3	16 40	18 5	4 32	7 M5
<b>PKD 2490 DG/B14 + W</b>	160	110	130	4	M8x13	143	473	82	164	122	244 278	293	102	58	44	40 55	43.3 12	60 180	4	16 40	18 5	4 32	7 M5
<b>PKD 3490 DG/B14 + W</b>	200	130	165	3	M10x16	180	516	97	200	122	301 335	334	126	60	74	50 70	53.8 14	70 210	5	16 40	18 5	4 32	7 M5
<b>PKD 4490 DG/B14 + W</b>	250	180	215	7	M12x20	217	643	108	250	172	358 400	402	154	69	97	60 80	64.4 18	80 240	5	24 50	27 8	5 40	8 M8
<b>PKD 5490 DG/B14 + W</b>	300	230	265	4	M12x20	262	728	141	290	172	429 479	487	185	69	117	70 100	74.9 20	100 300	5	24 50	27 8	5 40	8 M8



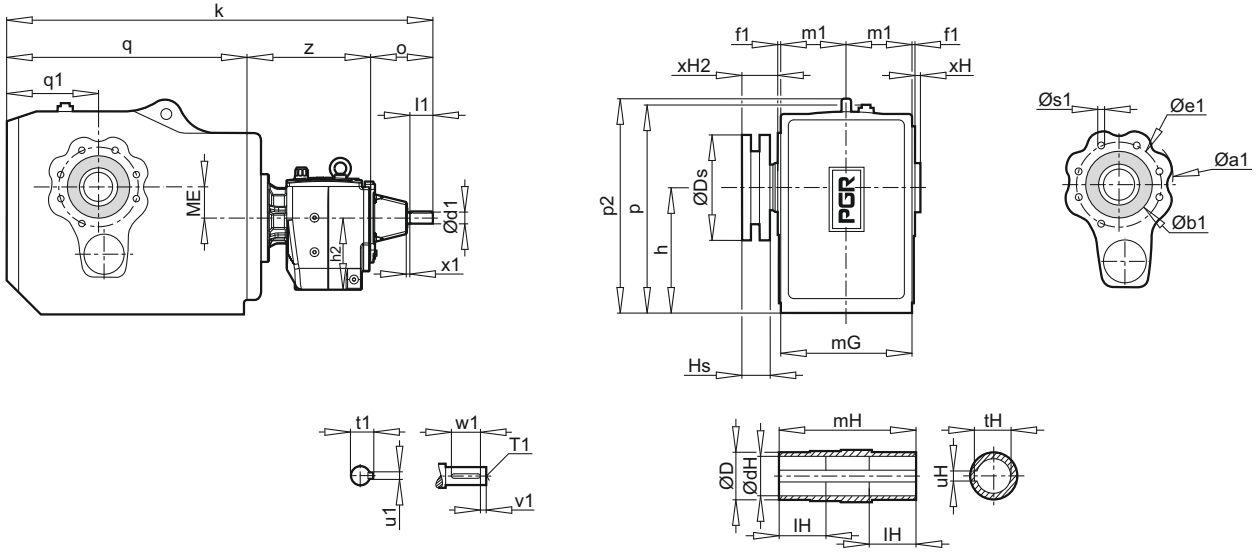
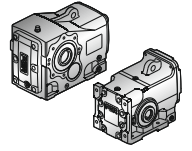


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions								Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	e1	f1	s1	h h2	k	m1 mG	o	p p2	q q1	z	ME	dH D	tH uH	IH mH	xH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 6390/32 DG/B14 + W</b>	350	250	300	5	M16x25	315 159	979	165 350	172	510 566	570 218	237	50.7	80 110	85.4 22	120 350	5	24 50	27.0 8	5 40	8 M8
<b>PKD 6390/42 DG/B14 + W</b>	350	250	300	5	M16x25	315 179	1062	165 350	213	510 566	570 218	279	50.7	80 110	85.4 22	120 350	5	38 80	41.0 10	5 70	8 M12
<b>PKD 7390/32 DG/B14 + W</b>	350	250	300	5	M16x25	315 159	979	165 350	172	511 564	570 218	237	55.7	80 120	85.4 22	120 350	5	24 50	27.0 8	5 40	8 M8
<b>PKD 7390/42 DG/B14 + W</b>	350	250	300	5	M16x25	315 179	1062	165 350	213	511 564	570 218	279	55.7	80 120	85.4 22	120 350	5	38 80	41.0 10	5 70	8 M12
<b>PKD 7390/32 DG/B14 + W</b>	350	250	300	5	M16x25	315 159	979	165 350	172	511 564	570 218	237	55.7	90 120	95.4 25	120 350	5	24 50	27.0 8	5 40	8 M8
<b>PKD 7390/42 DG/B14 + W</b>	350	250	300	5	M16x25	315 179	1062	165 350	213	511 564	570 218	279	55.7	90 120	95.4 25	120 350	5	38 80	41.0 10	5 70	8 M12
<b>PKD 8390/42 DG/B14 + W</b>	400	300	350	7	M16x25	375 179	1216	195 450	213	620 714	722 240	281	52	110 140	116.4 28	140 420	8	38 80	41.0 10	5 70	8 M12
<b>PKD 8390/52 DG/B14 + W</b>	400	300	350	7	M16x25	375 218	1255	195 450	213	620 714	722 240	320	52	110 140	116.4 28	140 420	8	38 80	41.0 10	5 70	8 M12
<b>PKD G 8390/52 DG/B14 + W</b>	450	350	400	7	M20x30	450 218	1281	235 486	213	722 832	748 265	320	89	120 160	127.4 32	160 500	8	38 80	41.0 10	5 70	8 M12

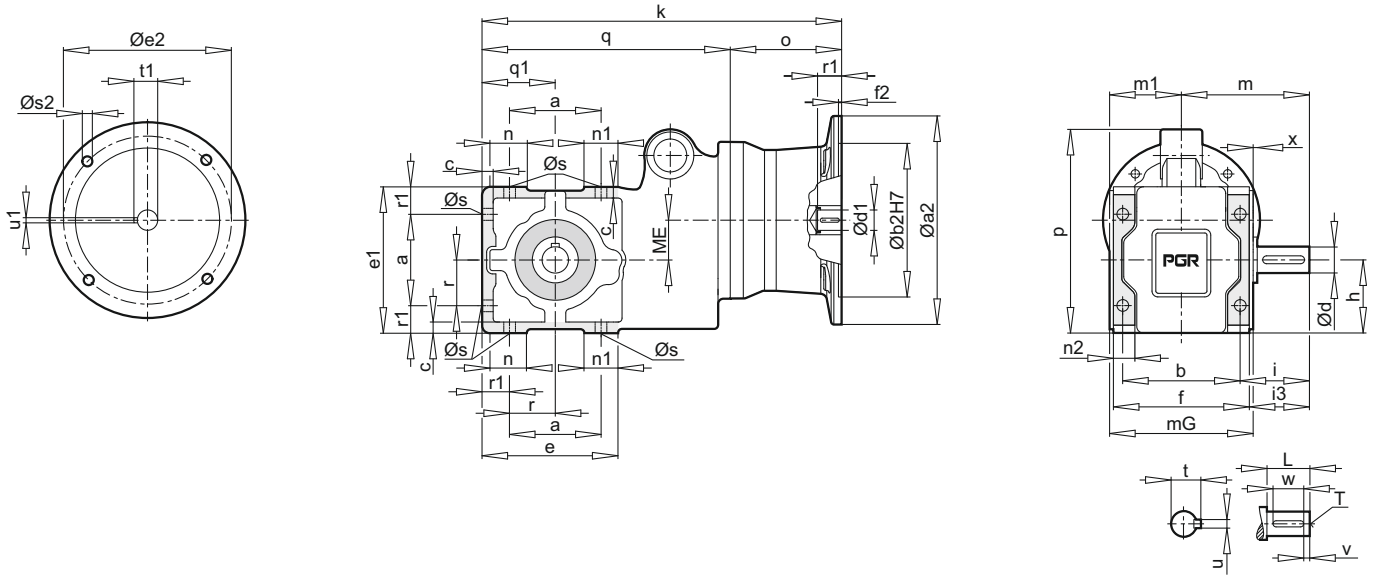


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft					Giriş Şaftı Input Shaft					
	a1	b1	e1	f1	s1	h h2	k	m1 mG	o	p p2	q q1	z	ME	Ds Hs	D D1	dH	IB IH	mH xH2	xH	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD 9390/52</b> <b>DG/KS-B14 + W</b>	450	350	400	7	M20x30	500 218	1425	288 590	213	817 928	892 310	320	100	330 86	200 185	150	100 98	710 110	10	38 80	41.0 10	5 70	8 M12
<b>PKD G 9390/62</b> <b>DG/KS-B14 + W</b>	550	450	500	6.5	M24x36	600 245	1655	320 410 653	288	970 1000	976 344	402	112	386 130	200 195	155/160	129 95	804 160	10.5	42 110	45 12	10 90	8 M16

**ALTI KADEME  
SIXTUPLE REDUCTION**

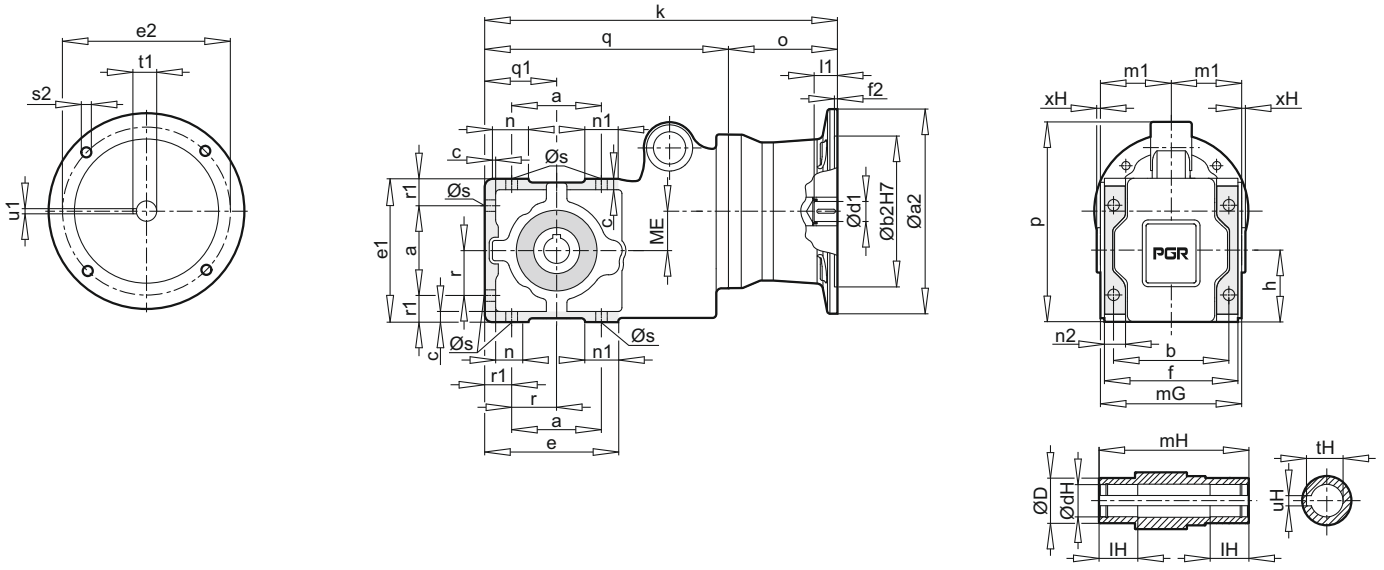
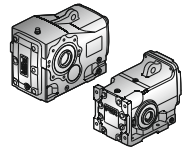


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions							Çıkış Şaftı Output Shaft					Giriş Şaftı Input Shaft					
	a1	b1	e1	f1	s1	h h2	k	m1 mG	o	p p2	q q1	z	ME	Ds Hs	D D1	dH	IB IH	mH	xH xH2	d1 l1	t1 u1	v1 w1	x1 T1
<b>PKD G 9390/63 DG/KS-B14 + W</b>	550	450	500	6.5	M24x36	600 245	1554	320 653	213 1095	970 344	965 344	376	112	386 130	195	155/160	129 95	804 160	10.5	38 80	41 10	5 70	8 M12



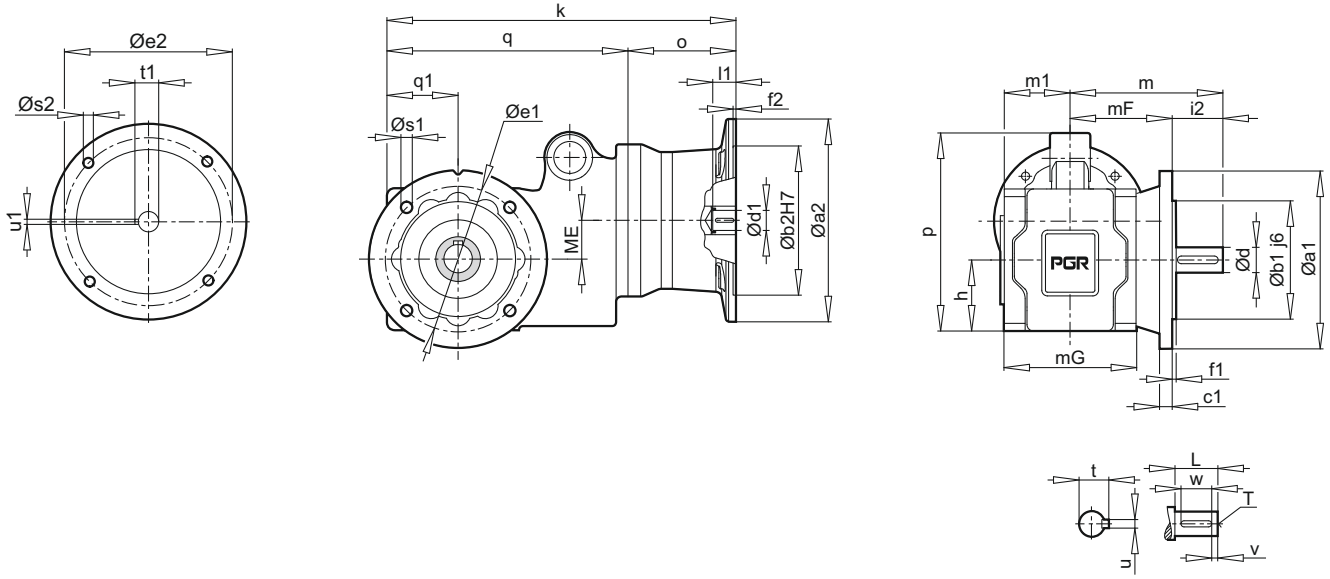
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)								Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions					
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x
				e1		n2	r1				i3		mG				q1		L	u	w	T
<b>PKD A 0290</b> - IEC 63	70	90	10	104	104	28	35	9		56	53	275	98	55	85	156	190	30.5	20	22.5	4	3
- IEC 71				112		26	21				46	275		110	85		56		40	6	32	M6
<b>TMA + IEC</b> - IEC 80						16.5						293			103							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	



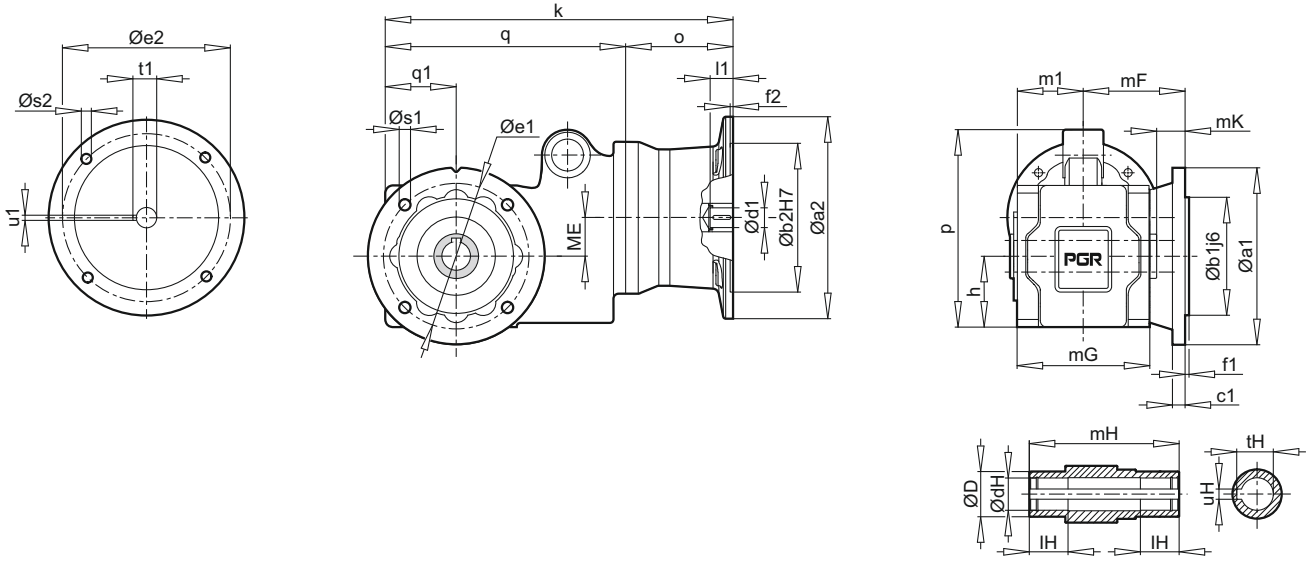
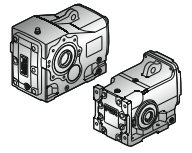
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)								Ana ölçüler Outline dimensions						Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	r	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH
				e1		n1	r1				mG			q1		D	uH	mH	
<b>PKD A 0290</b> - IEC 63 - IEC 71 <b>DA + IEC</b> - IEC 80	70	90	10	104	104	28	35	9	56	275	55	85	156	190	30.5	25	28.3	30	3
				112		26	21			275	110	85		56		35	8	116	
						16.5				293		103							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24



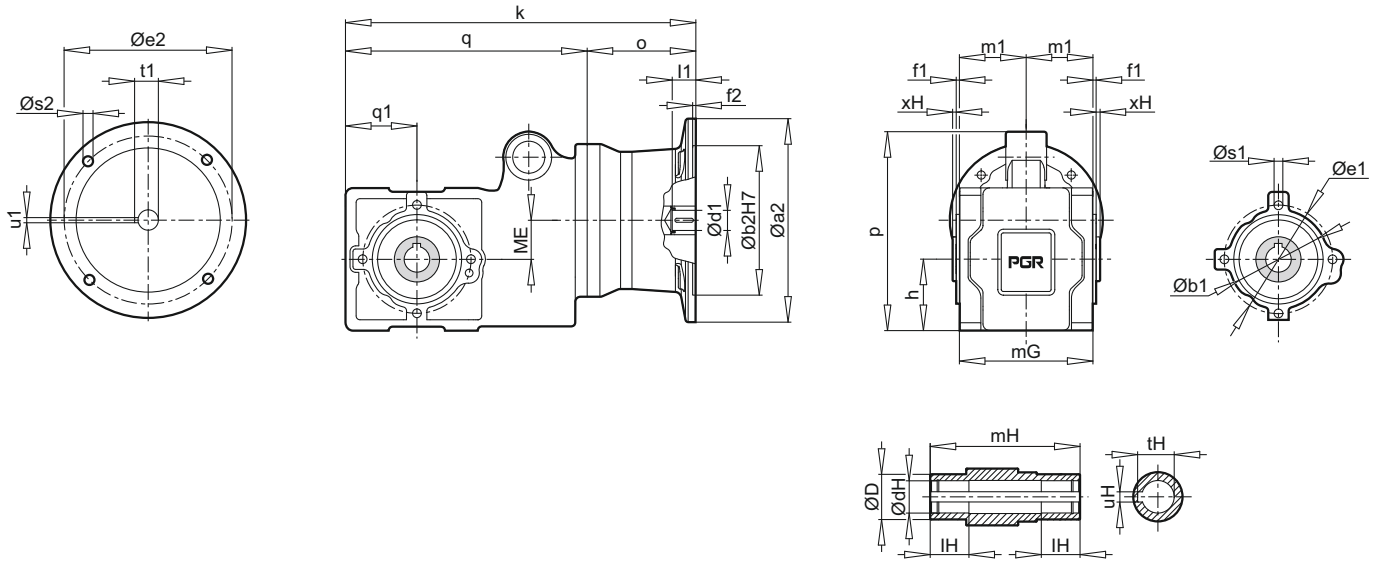
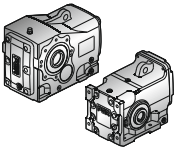
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions					
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p	q	q1	ME	d L	t u	v w	T
<b>PKD A 0290</b> - IEC 63 <b>TMG/B5</b> - IEC 71 <b>+ IEC</b> - IEC 80	140	95	10	115	3	4x9	56	40	277	120.5	52.5	85	156	192	58	30.5	20	22.5	4	M6
											277	80.5	85				40	6	32	
											295	105	103							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH D	tH uH	IH mH	
<b>PKD A 0290</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80	140	95	10	115	3	4x9	56	277	52.5	22.5	85	156	192	58	30.5	25	28.3	30
									277	80.5	85						35	8	116
									295	105	103								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24

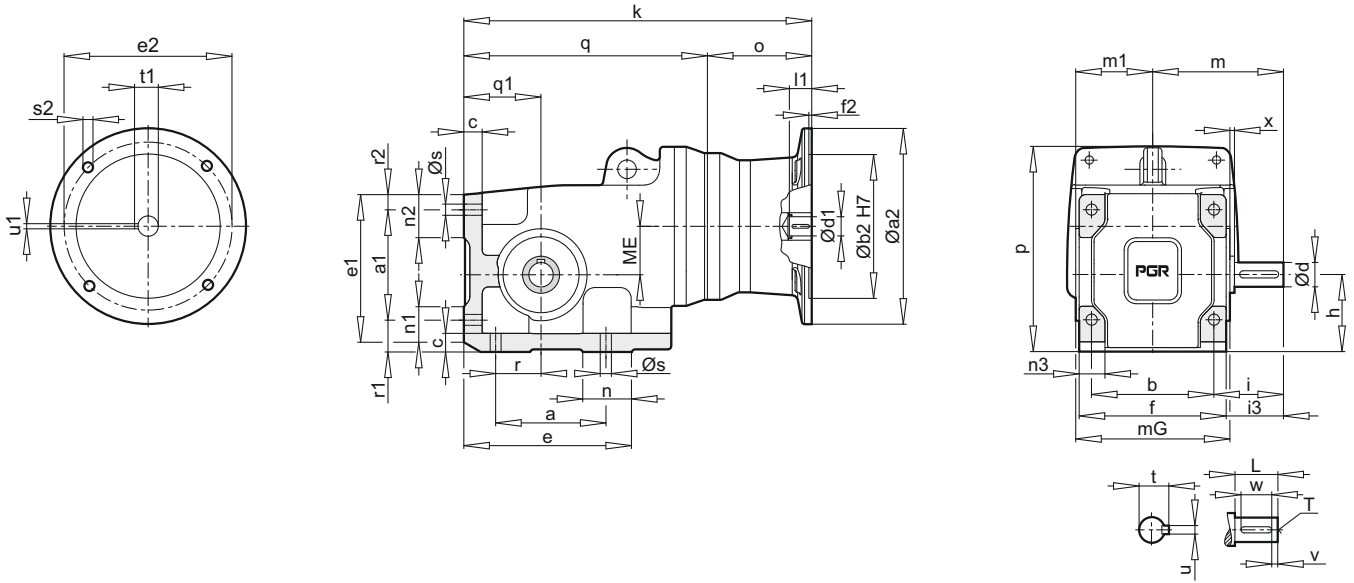
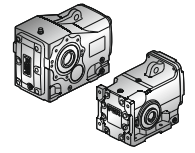


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)				Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions			
	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	ME	dH D	tH uH	IH mH	xH
<b>PKD A 0290</b> - IEC 63 <b>DG/B14</b> - IEC 71 <b>+ IEC</b> - IEC 80	70	85	2.5	M8x14	56	277	52.5	110	85	156	192	58	30.5	25	28.3	30	3
						277			85					35	8	116	
						295			103								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	

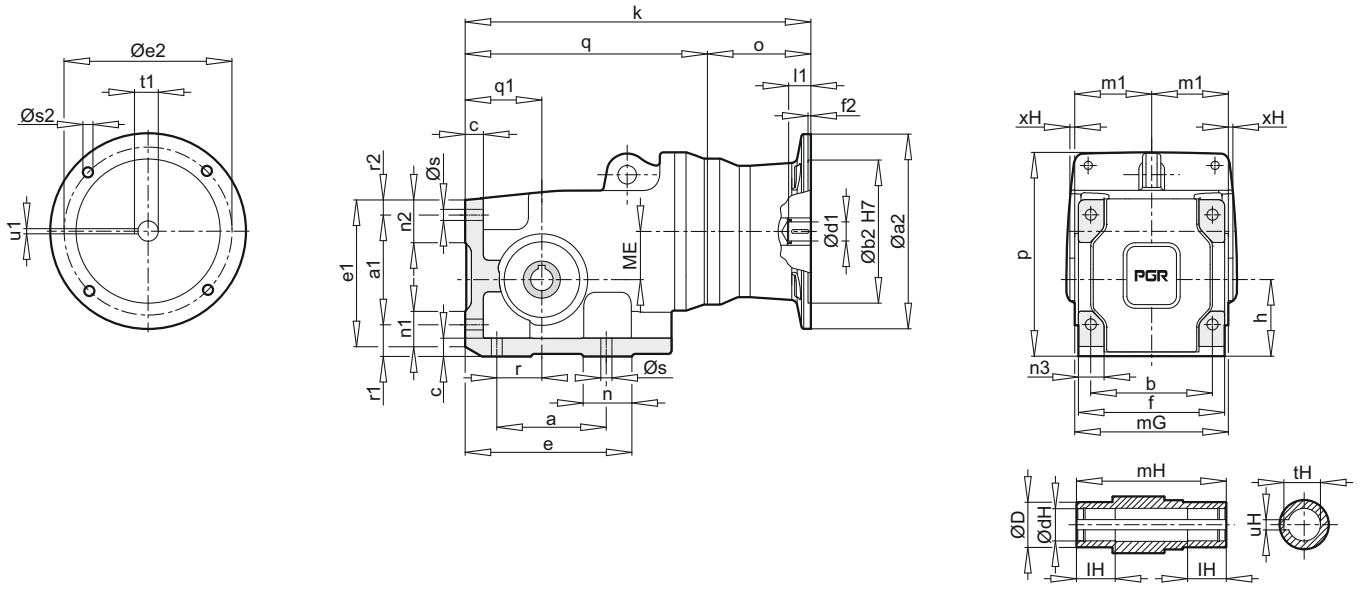


**İKİ KADEME**  
**DOUBLE REDUCTION**



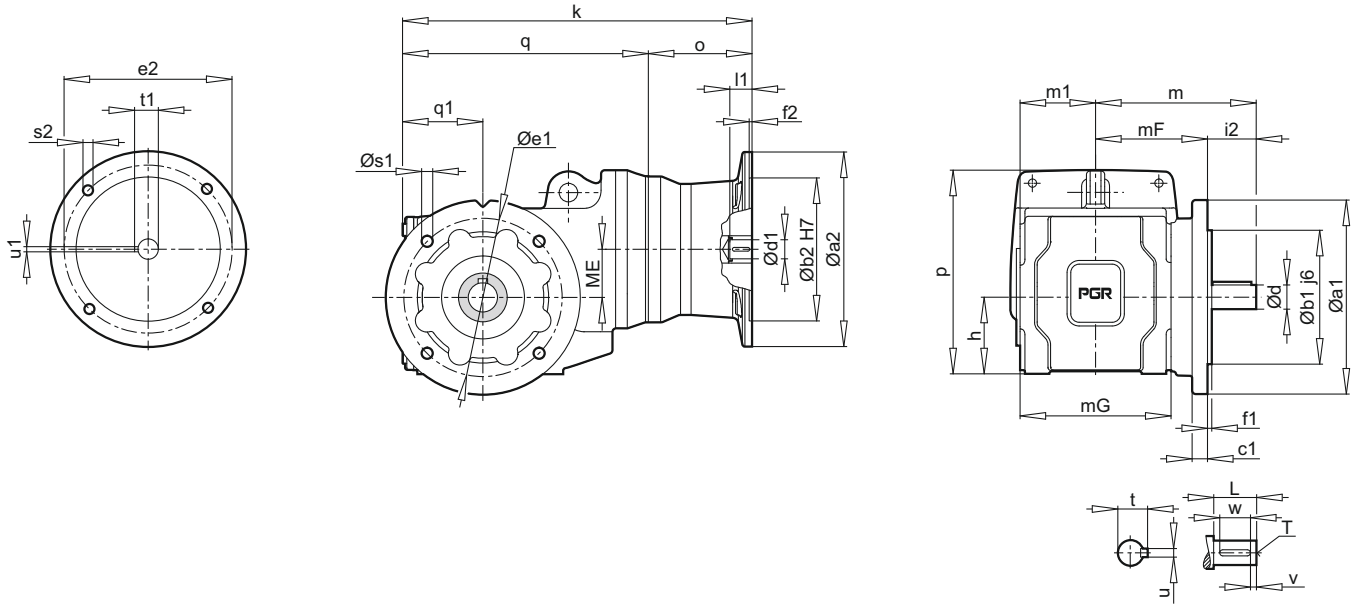
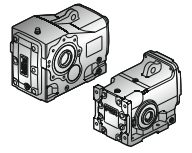
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x
	a1			e1		n	n2	r1			i3			mG			q1		L	u	w	T
<b>PKD</b> - IEC 63	90	100	15	137	120	40	29	37	9	63	57	284	107	63	85	168	199	39.5	20	22.5	4	4
<b>B 0290</b> - IEC 71				120			35	26			47	284		126	85		63		40	6	32	M6
<b>TMA + IEC</b> - IEC 80							21	12				302			103							
												302			103							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	



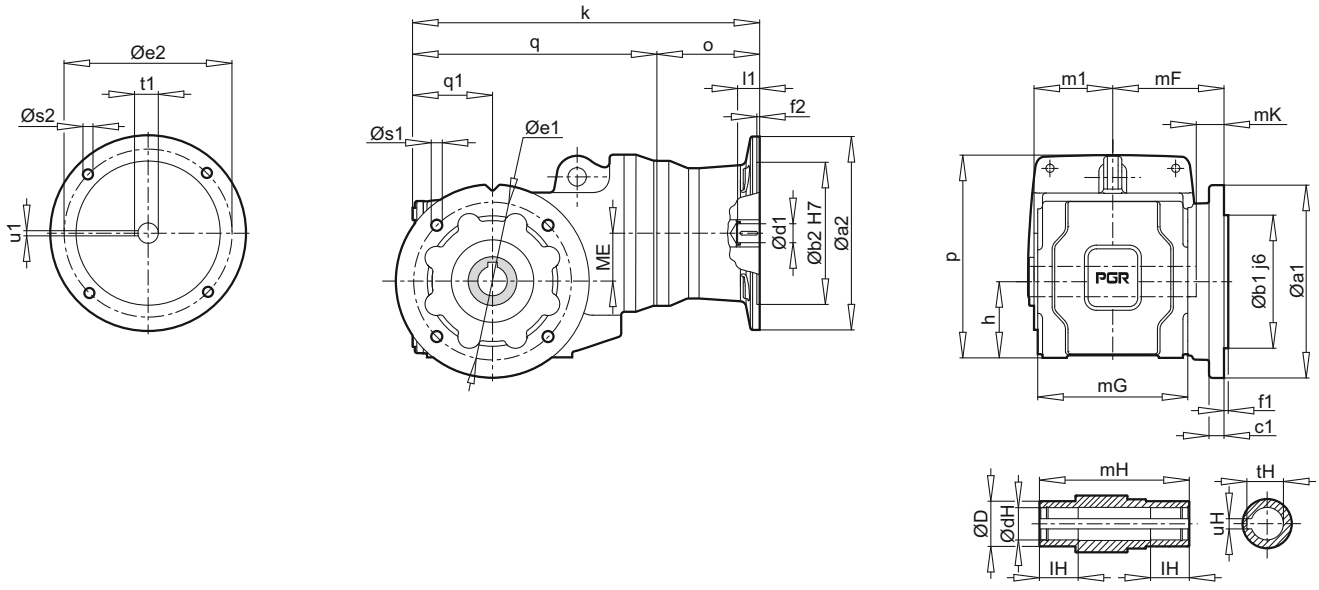
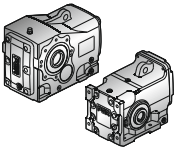
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	k	m1	o	p	q	ME	dH	tH	IH	xH	
	a1			e1			n2	r1				mG			q1		D	uH	mH		
<b>PKD</b>	- IEC 63	90	100	15	137	120	40	29	37	9	63	284	63	85	168	201	39.5	20	22.8	40	4
<b>B 0290</b>	- IEC 71				120			35	26			284	126	85	63			35	6	134	
<b>DA + IEC</b>	- IEC 80							21	12			302		103							
	- IEC 90											302		103							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	



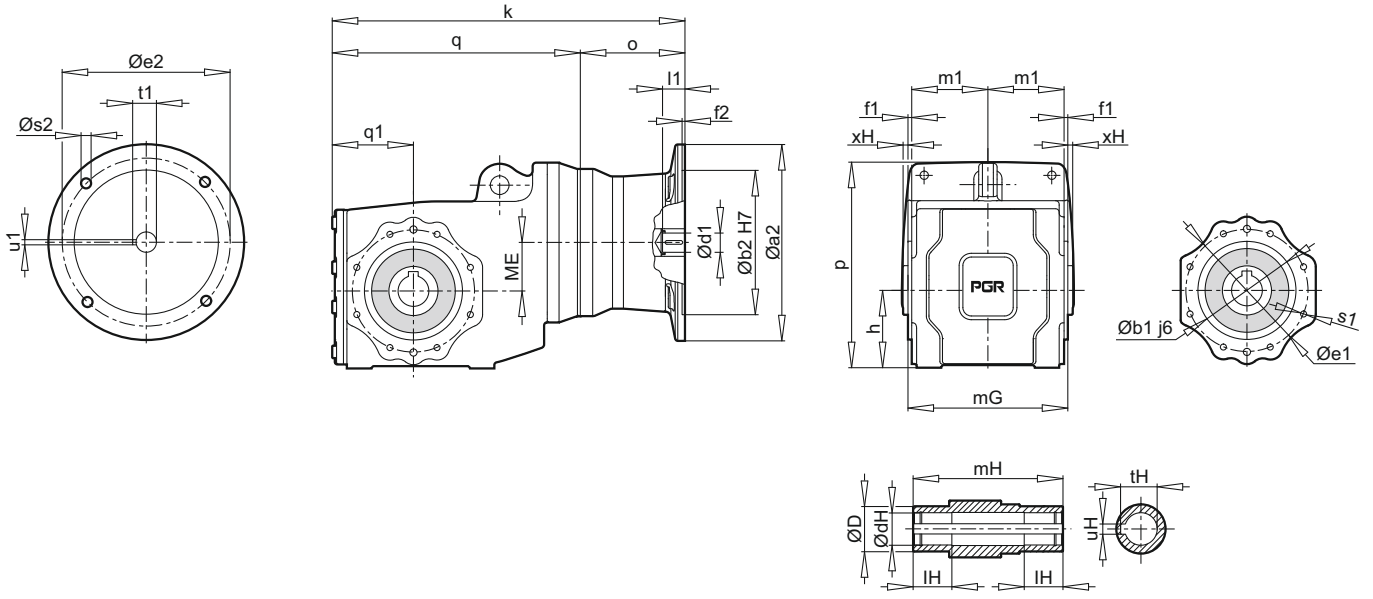
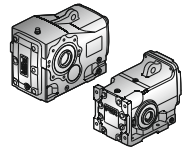
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)							Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions					
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p	q	q1	ME	d L	t u	v w	T	
<b>PKD</b> <b>B 0290</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 63	160	110	13	130	3.5	4x9	63	40	287	132	62	85	168	202	66	39.5	20	22.5	4	M6
	- IEC 71									287		92	85					40	6	32	
	- IEC 80									305		124	103								
	- IEC 90									305			103								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	



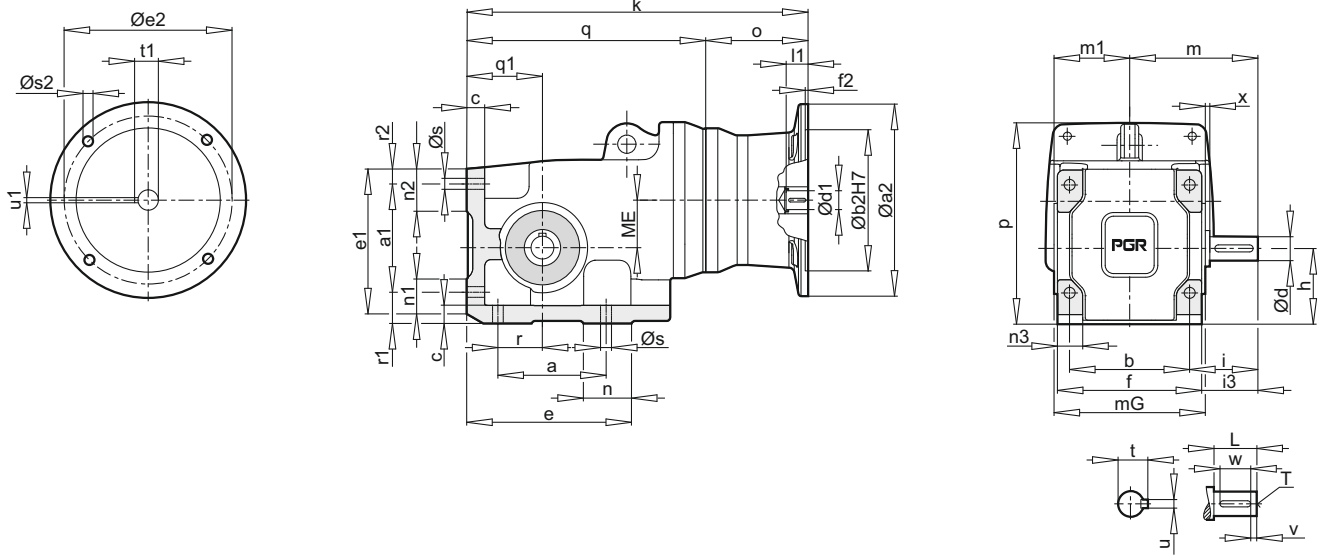
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)							Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH D	tH uH	IH mH
<b>PKD</b> <b>B 0290</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90	160	110	13	130	3.5	4x9	63	287 287 305 305	62 92 124	23 85 103 103	168	202	66	39.5	25 40	28.3 8	30 138

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	



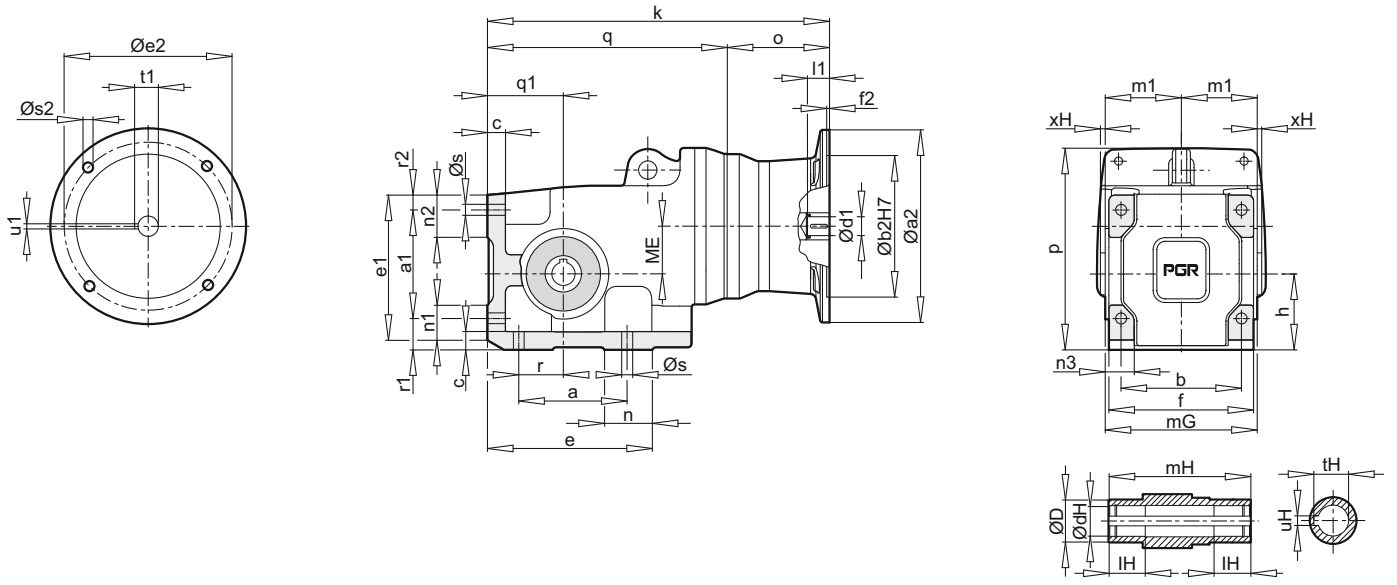
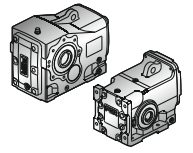
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions				
	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH D	tH uH	IH mH	xH	
PKD B 0290 DG/B14 + IEC	- IEC 63	80	100	3	M6x12	63	287	62	124	85	168	202	66	39.5	25	28.3	30	4
	- IEC 71						287			85					40	8	138	
	- IEC 80						305			103								
	- IEC 90						305			103								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	



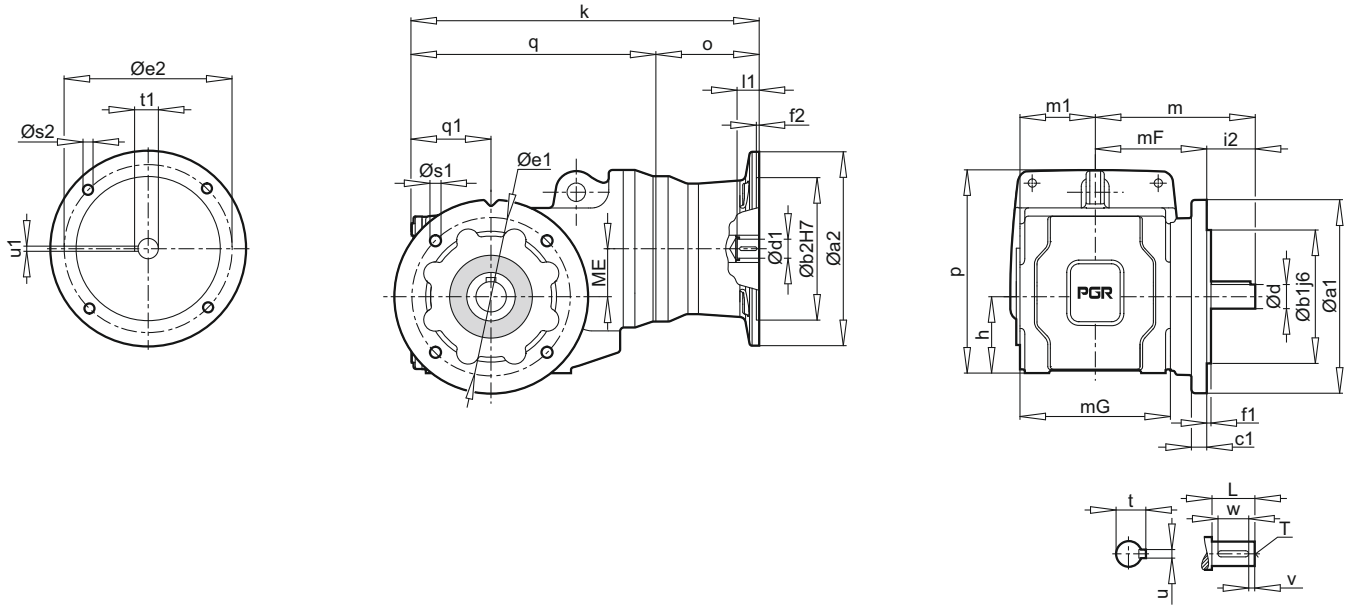
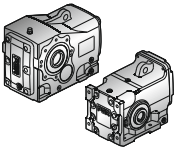
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	q1	ME	d	t	v	x
	a1		e1			n2	r1	s		i3			mG							L	u	w	T
<b>PKD C 1290</b> <b>TMA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100	110	120	18	173	144	45	38	50	9	80	72	320	132	76	85	200	235	80	46.5	25	28	5	6
	110		147			44	50				60	320		152	85					50	8	40	M10
						26	15					338		103									
												338		103									
												375		126		249							
<b>PKD F 4290</b> <b>TMA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	130	120	18	205	156	52	46	35	11	100	85	367	145	81	85	265	282	100	68	30	33	5	4
	130		166			46	37				67	367		190	85					60	8	50	M10
						32	13					385		103									
												385		103									
												422		126		296							
												422		126									
												479		175		304							
<b>PKD H 5290</b> <b>TMA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	120	140	22	217	175	60	60	30	13.5	112	96	400	166	91	85	306	315	112	73	35	38	5	5
	130		200			60	50				79	400		220	85					70	10	60	M12
						35	35					418		103									
												418		103									
												455		126		329							
												455		126									
												512		175		337							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 28	BM - 38



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	k	m1	o	p	q	q1	ME	dH	tH	IH	xH
	a1			e1			n2	r1				mG						D	uH	mH	
<b>PKD C 1290-DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100	110	120	18	173	144	45	38	50	9	80	320	76	85	200	235	80	46.5	30	33.3	50	4
	110			147			44	50				152	85					50	8	164	
							26	15				338	103								
												338	103								
												375	126								
<b>PKD F 4290-DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	130	120	18	205	156	45	46	35	11	100	367	81	85	265	282	100	68	35	38.3	55	4
				166			52	37			367	190	85					55	10	170	
							32	13			385		103								
											385		103								
											422		126		296						
											422		126								
											479		175		304						
<b>PKD H 5290-DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	120	140	22	217	175	60	60	30	13.5	112	401	91	85	306	315	112	73	40	43.3	60	5
	130			200			60	50			401	220	85					55	12	192	
							35	35			419		103								
											419		103								
											456		126		330						
											456		126								
											513		175		338						

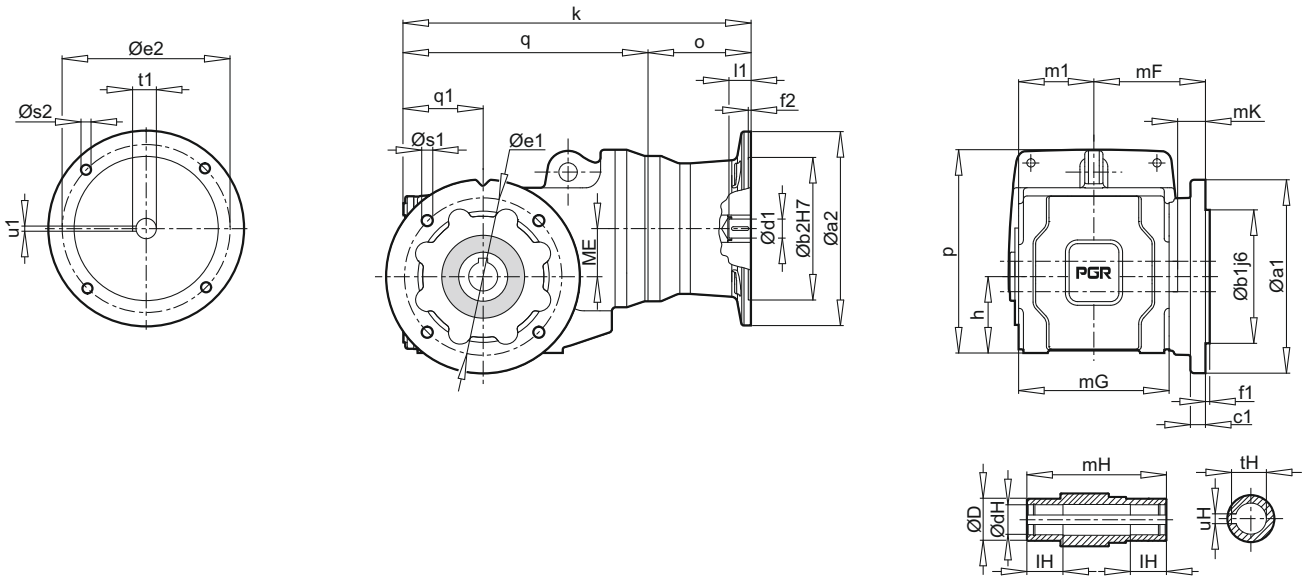
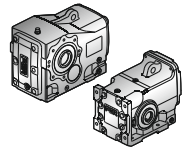
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions					
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p	q	q1	ME	d L	t u	v w	M12 T		
<b>PKD C 1290- IEC 63</b> <b>TMG/B5</b> <b>+ IEC</b> - IEC 71 - IEC 80 - IEC 90 - IEC 100	160	110	12	130	3.5	4x9	80	50	323	170	75	85	197	238	83	46.5	25	28	5	M10		
	200	130	12	165	3.5	4x11			323		120	85					50	8	40			
									341		150	103										
									341			103										
									378			126			252							
<b>PKD F 4290- IEC 63</b> <b>TMG/B5</b> <b>+ IEC</b> - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	160	110	12	130	3.5	4x9	96	60	355	183	81	85	265	270	92	68	30	33	5	M10		
	200	130	12	165	3.5	4x11			355		123	85					60	8	50			
									373		190	103										
									373			103										
									410			126			284							
									410			126										
<b>PKD H 5290- IEC 63</b> <b>TMG/B5</b> <b>+ IEC</b> - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	250	180	16	215	4	4x13.5	117	70	400	209	91	85	306	315	115	73	35	38	5	M12		
									400		139	85					70	10	60			
									418		220	103										
									418			103										
									455			126			329							
								455			126											
								512			175			337								

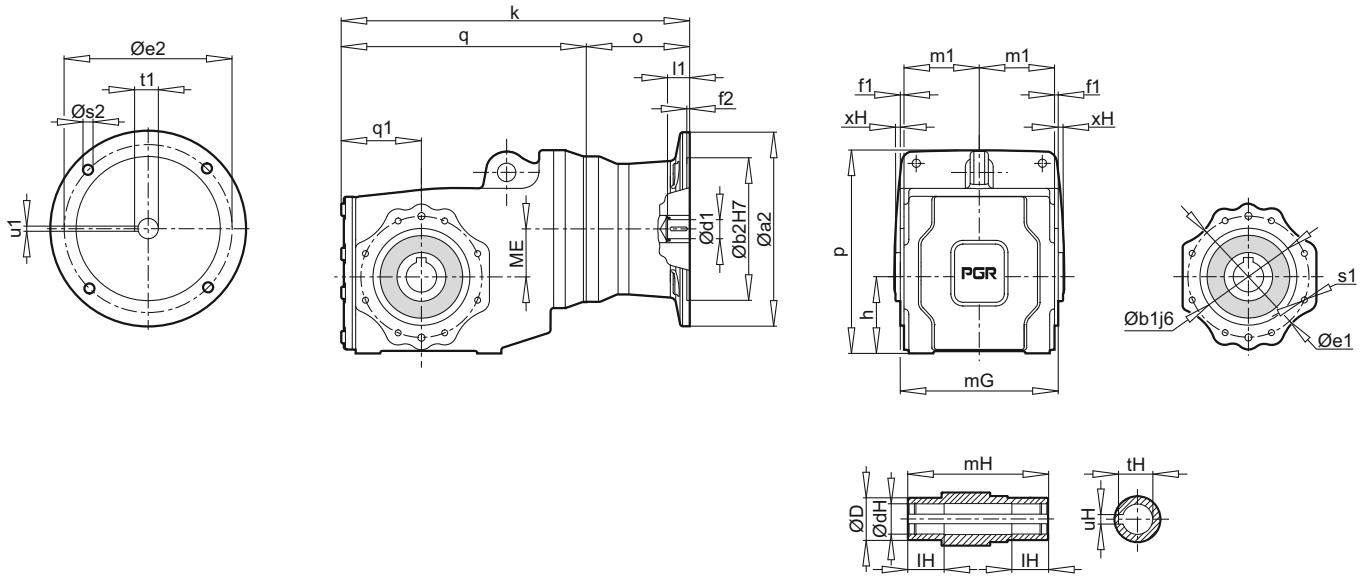
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	





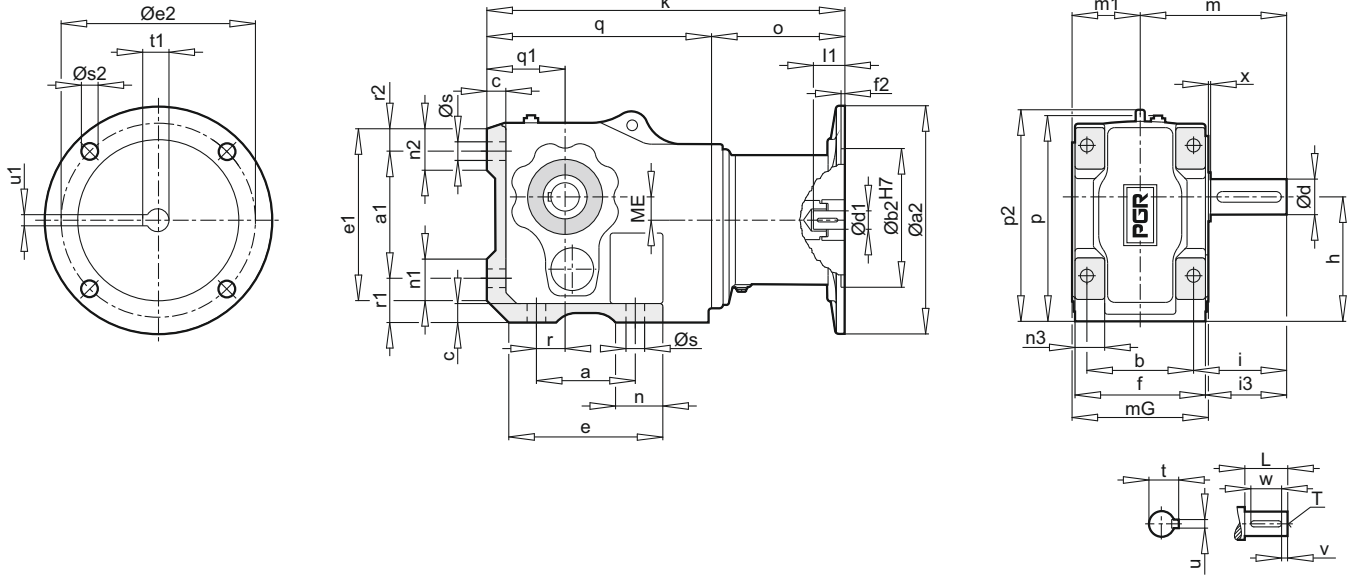
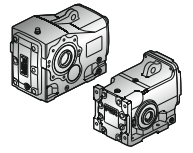
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p	q	q1	ME	dH D	tH uH	IH mH	
<b>PKD C 1290- DG/B5 + IEC</b>	IEC 63	160	110	12	130	3.5	4x9	80	323	75	38	85	200	238	83	46.5	30	33.3	50
	- IEC 71	200	130	12	165	3.5	4x11		323	120		85					50	8	164
	- IEC 80								341	150		103							
	- IEC 90								341			103							
	- IEC 100								378			126		252					
<b>PKD F 4290- DG/B5 + IEC</b>	IEC 63	160	110	12	130	3.5	4x9	96	355	81	38	85	270	284	92	68	35	38.3	55
	- IEC 71	200	130	12	165	3.5	4x11		355	123		85					55	10	170
	- IEC 80								373	190		103							
	- IEC 90								373			103							
	- IEC 100								410			126		284					
	- IEC 112								410			126							
	- IEC 132								467			175		292					
<b>PKD H 5290- DG/B5 + IEC</b>	IEC 63	250	180	16	215	4	4x13.5	117	400	91	38	85	315	344	115	73	40	43.3	60
	- IEC 71								400	139		85					55	12	192
	- IEC 80								418	220		103							
	- IEC 90								418			103							
	- IEC 100								455			126		329					
	- IEC 112								455			126							
	- IEC 132								512			175		337					

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	



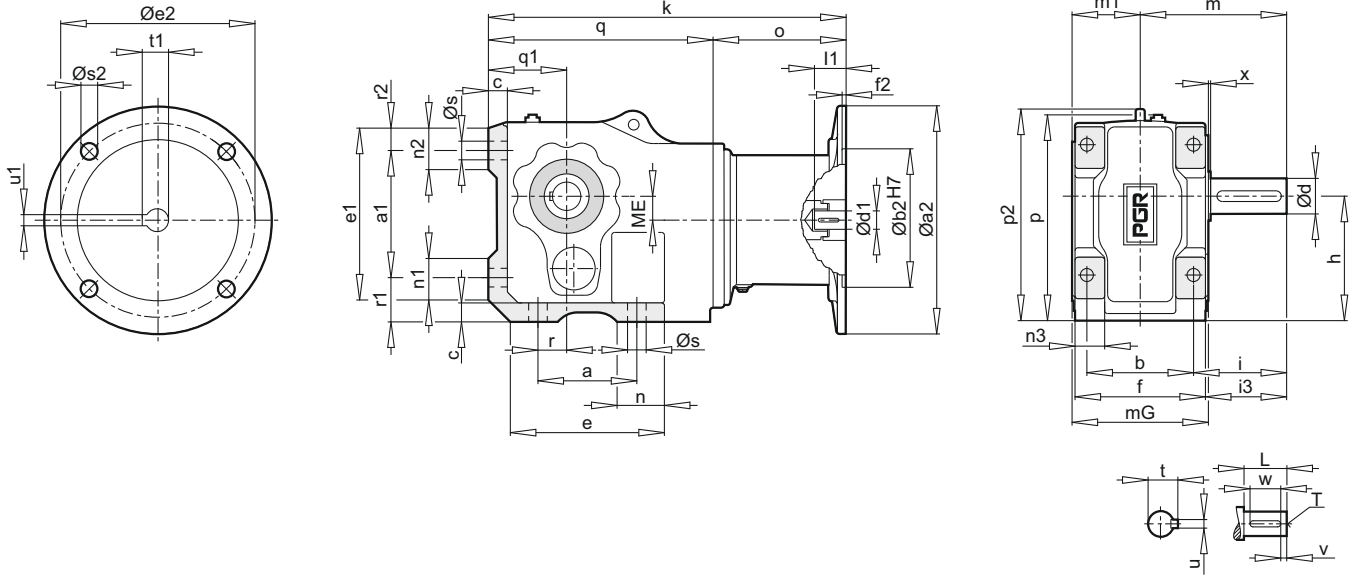
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)				Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions				
	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	dH D	tH uH	IH mH	xH	
<b>PKD C 1290- IEC 63 DG/B14 + IEC</b>	- IEC 63	95	115	3	M8x17	80	323	75	150	85	197	238	83	46.5	30	33.3	50	4
	- IEC 71						323			85					50	8	164	
	- IEC 80						341			103								
	- IEC 90						341			103								
	- IEC 100						378			126		252						
<b>PKD F 4290- IEC 63 DG/B14 + IEC</b>	- IEC 63	110	130	3.5	4x9	96	355	81	190	85	265	270	92	68	35	38.3	55	4
	- IEC 71	130	165	3.5	4x11		355			85					55	10	170	
	- IEC 80						373			103								
	- IEC 90						373			103								
	- IEC 100						410			126		284						
	- IEC 112						410			126								
- IEC 132						467			175		292							
<b>PKD H 5290- IEC 63 DG/B14 + IEC</b>	- IEC 63	180	215	4	4x13.5	117	400	91	220	85	315	344	115	73	40	43.3	60	5
	- IEC 71						400			85					55	12	192	
	- IEC 80						418			103								
	- IEC 90						418			103								
	- IEC 100						455			126		329						
	- IEC 112						455			126								
	- IEC 132						512			175		337						

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	215	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38



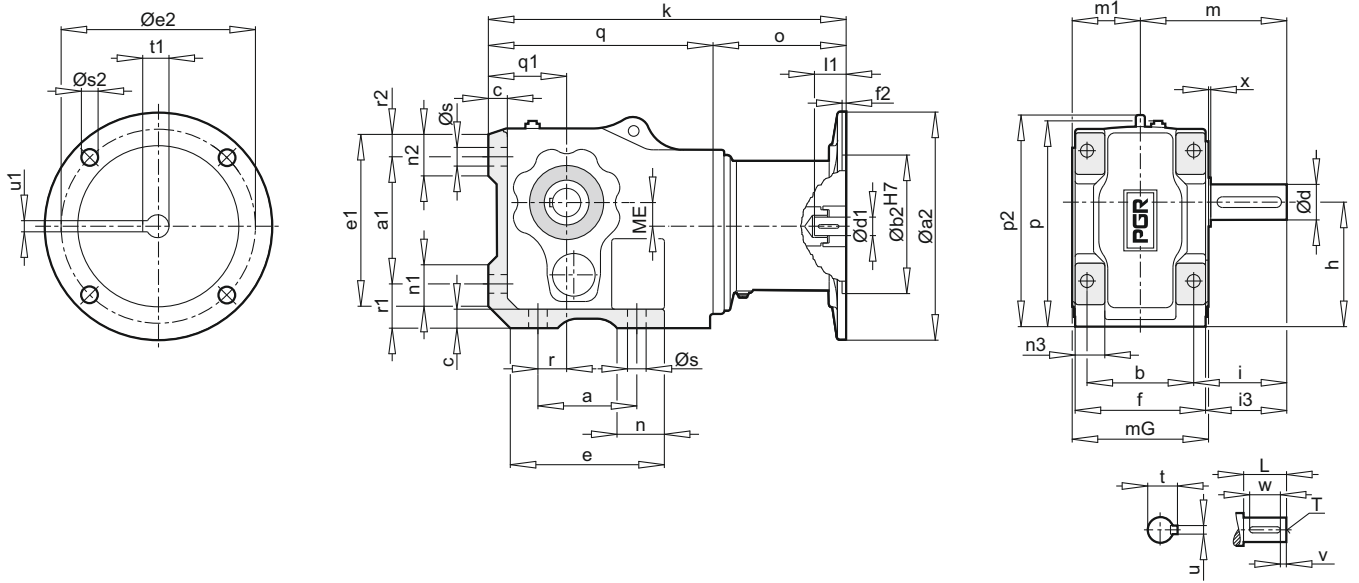
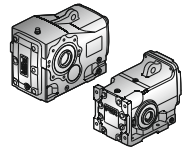
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions					
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x	
	a1			e1			n2	r1			i3		mG		p2	q1		L	u	w	T		
<b>PKD 1390</b> <b>TMA + IEC</b>	- IEC 63	130	120	17	173	140	46	41	35	11	112	75	324	135	71	85	195	239	10	30	33.0	5	4
	- IEC 71	130			166			36	37			65	328	142	89	228	71		60	8	50	M10	
	- IEC 80								29	15			344			105							
	- IEC 90												344			105							
	- IEC 100												369			130							
	- IEC 112												369			130							
<b>PKD G 1390</b> <b>TMA + IEC</b>	- IEC 63	130	120	17	173	140	46	41	35	11	112	85	324	145	71	85	195	239	10	35	38.0	7	4
	- IEC 71	130			166			36	37			75	328	142	89	228	71		70	10	56	M12	
	- IEC 80								29	15			344			105							
	- IEC 90												344			105							
	- IEC 100												369			130							
	- IEC 112												369			130							
<b>PKD 2390</b> <b>TMA + IEC</b>	- IEC 63	120	140	26	191	166	61	51	30	14	140	91	376	161	86	85	237	291	14	35	38.0	7	5
	- IEC 71	130			189			59	50			78	380	172	89	271	100		70	10	56	M12	
	- IEC 80								39	30			396			105							
	- IEC 90												396			105							
	- IEC 100												421			130							
	- IEC 112												421			130							
<b>PKD 3390</b> <b>TMA + IEC</b>	- IEC 71	150	165	27	231	195	71	61	40	18	180	114	408	196	100	88	296	320	24	45	48.5	5	6
	- IEC 80	190			244			61	65			98	427	202	107	330	112		90	14	80	M16	
	- IEC 90								46	20			427			107							
	- IEC 100												444			124							
	- IEC 112												444			124							
	- IEC 132												476			156							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38



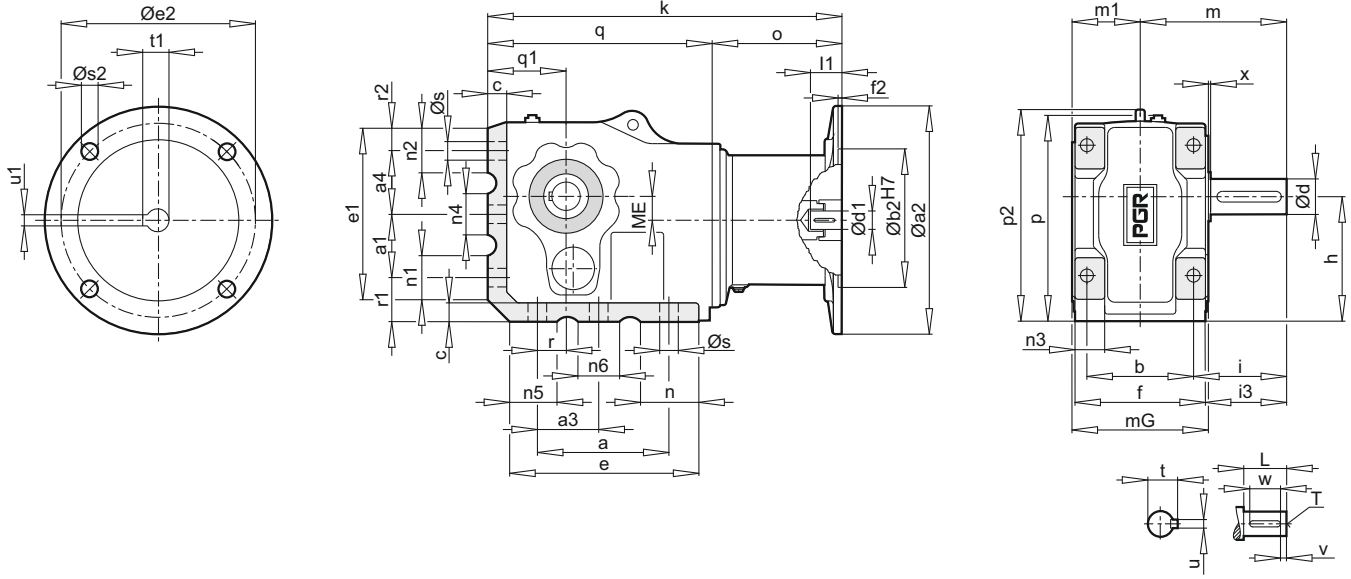
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions			
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	ME	d	t	v	x
	a1			e1			n2	r1			i3			mG		p2	q1		L	u	w	T
<b>PKD 4390</b> - IEC 90 <b>TMA + IEC</b> - IEC 100 - IEC 112 - IEC 132 - IEC 160	180	180	35	261	220	81	71	55	22	212	150	489	240	115	109	348	380	36	60	64.0	10	5
	220			291			71	77			130	513		250	133	390	132		120	18	100	M20
							51	30				513			133							
												570			190							
												574			194							
<b>PKD 5390</b> - IEC 90 <b>TMA + IEC</b> - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	240	240	41	332	285	102	102	75	26	265	171	571	291	145	109	427	462	41	70	74.5	15	6
	280			362			92	85			148	595		293	133	477	160		140	20	110	M20
							72	35				595			133							
												652			190							
												656			194							
												656			194							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions					
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q1	d	t	v	x	
	a1			e1			n2	r1			i3			mG		p2	q	ME	L	u	w	T
<b>PKD 6390</b> <b>TMA + IEC</b>	- IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	280 310	270	46	392 422	330 112	112 112 72	95 105 55	33	315	212 182	679 679 729 818 818 781 855	347	170 350	127 127 177 266 266 229 303	502 558	552 200	200	90 170	95 25	15 140	7 M24
<b>PKD 7390</b> <b>TMA + IEC</b>	- IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	280 360	270	46	402 447	330 112	122 127 72	95 95 30	33	315	212 182	679 679 729 818 818 781 855	347	170 350	127 127 177 266 266 229 303	511 564	552 200	200	90 170	95 25	15 140	7 M24
<b>PKD 8390</b> <b>TMA + IEC</b>	- IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	350 400	330	49	502 522	395 152	122 122 90	115 110 60	39	375	253 221	904 993 993 956 1030 1010 1010 1116	418	200 450	177 266 266 229 303 303 303 381	615 709	727 52	225	110 210	116 28	15 180	8 M24
<b>PKD G 8390</b> <b>TMA + IEC</b>	- IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	380 480	420	54	522 622	500 152	152 142 102	115 120 65	39	450	247 207	930 1019 1019 982 1056 1036 1036 1142	457	238 500	177 266 266 229 303 303 303 381	712 822	753 89	250	120 210	127 32	15 180	9 M24

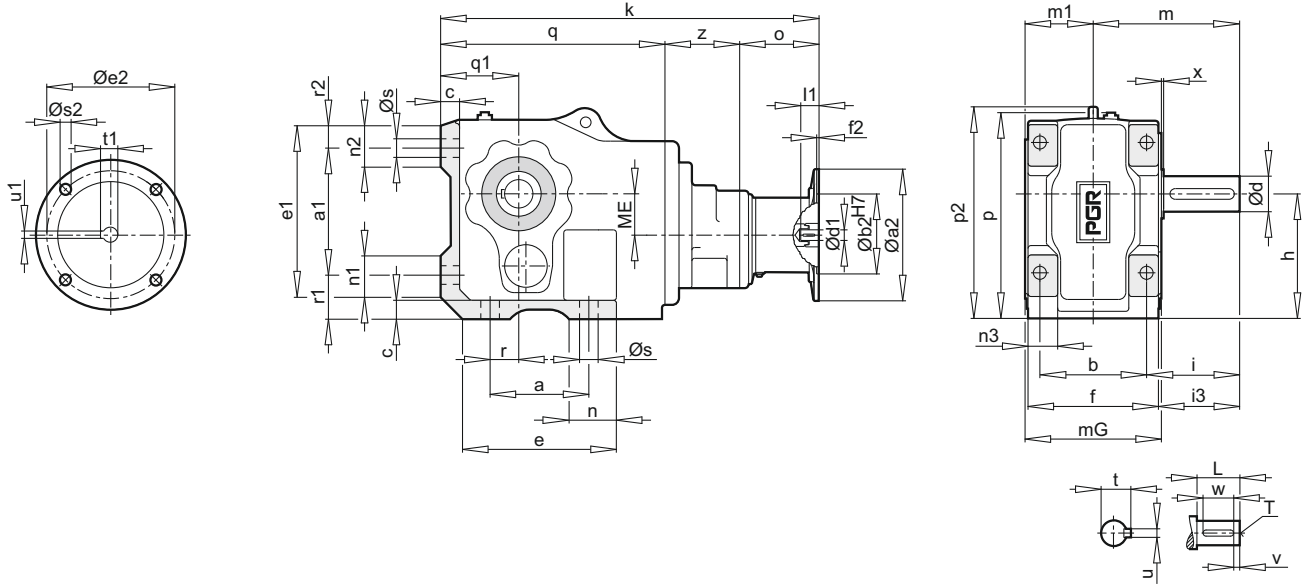
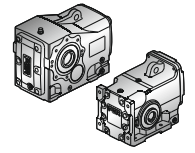
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions						Şaft Ölçüleri Shaft Dimensions						
	a	a4	b	e	f	n	n3	r	s		h	i	k	m	m1	o	p	q1	d	t	v	x	
	a1	a3	c	e1		n1	n4	n6	r1	s		i3			mG		p2	q	ME	L	u	w	T
<b>PKD 9390</b> <b>TMA + IEC</b>	- IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	540 270	270 54	480 662	672 662	570	132 102 122	97 100 100	140 115 70	200 33	500 270	315 1173	1084 1173 1136 1210 1226 1226 1277	555 590	295 590	177 266 266 229 303 303 381	817 928	907 100	315 100	140 250	148 36	15 220	10 M24
<b>PKD G 9390</b> <b>TMA + IEC</b>	IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	620 310	310 64	540 782	777 782	640	152 152	112 140 150	140 140 80	215 39	600 337	387 1228 1228 1191 1265 1279 1279 1357	1139 1228 1228 1191 1265 1279 1279 1357	657 653	326.5 653	177 266 266 229 303 303 381	970 1095	962 112	355 112	190 320	200 45	10 300	10.5 M30x60

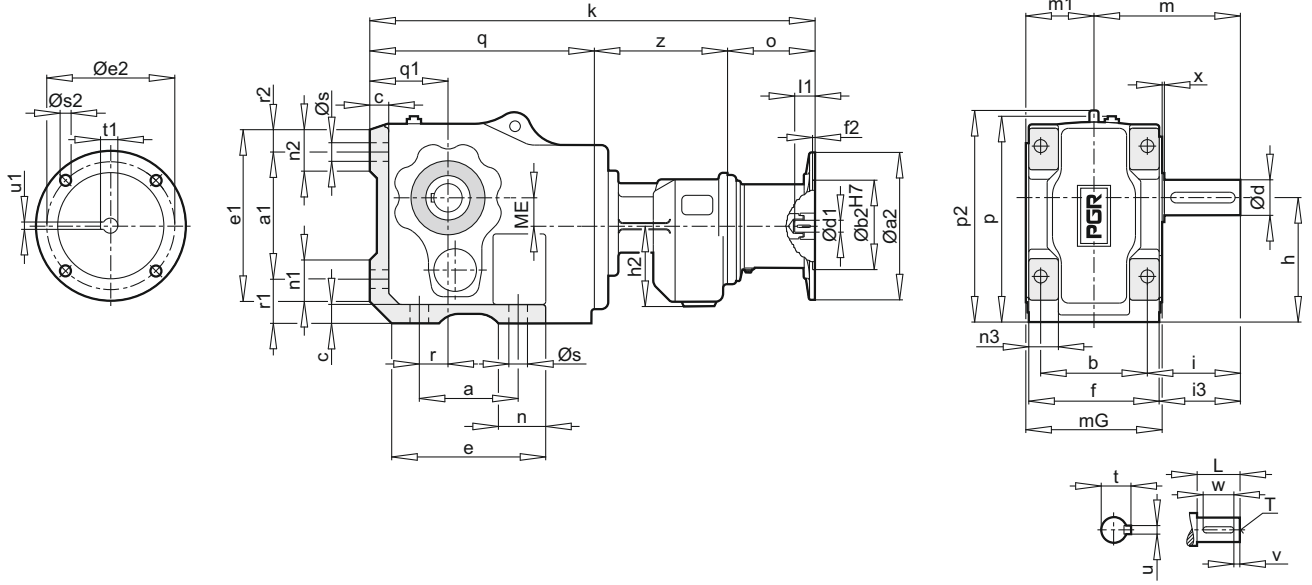
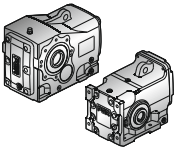
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48	
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65	
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65	
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90	
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90	
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90	

# DÖRT KADEME QUADRUPLE REDUCTION



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a	b	c	e	f	n	n1	r	s		h	i	k	m	m1	o	p	q	z	ME	d	t	v	x
	a1			e1		n2	r1				i3			mG		p2	q1			L	u	w	T	
<b>PKD 1490</b> - IEC 63 <b>TMA + IEC</b> - IEC 71	130	120	17	173	140	46	41	35	11	112	75	382	135	71	85	195	239	58	40	30	33.0	5	4	
	130			166			36	37			65	386		142	89	228	71			60	8	50	M10	
							29	15																
<b>PKD G 1490</b> - IEC 63 <b>TMA + IEC</b> - IEC 71	130	120	17	173	140	46	41	35	11	112	85	382	145	71	85	195	239	58	40	35	38.0	7	4	
	130			166			36	37			75	386		142	89	228	71			70	10	56	M12	
							29	15																
<b>PKD 2490</b> - IEC 63 <b>TMA + IEC</b> - IEC 71	120	140	26	191	166	61	51	30	14	140	91	434	161	86	85	237	291	58	44	35	38.0	7	5	
	130			189			59	50			78	438		172	89	271	100			70	10	56	M12	
							39	30																
<b>PKD 3490</b> - IEC 63 <b>TMA + IEC</b> - IEC 71 - IEC 80 - IEC 90	150	165	27	231	195	71	61	40	18	180	114	465	196	100	85	296	320	60	74	45	48.5	5	6	
	190			244			61	65			98	469		202	89	330	112			90	14	80	M16	
							46	20				485			105									
												485			105									
<b>PKD 4490</b> - IEC 71 <b>TMA + IEC</b> - IEC 80 - IEC 90 - IEC 100 - IEC 112	180	180	35	261	220	81	71	55	22	212	150	537	240	115	88	348	380	69	97	60	64.0	10	5	
	220			291			71	77			130	556		250	107	390	132			120	18	100	M20	
							51	30				556			107									
												573			124									
												573			124									
<b>PKD 5490</b> - IEC 71 <b>TMA + IEC</b> - IEC 80 - IEC 90 - IEC 100 - IEC 112	240	240	41	332	285	102	102	75	26	265	171	619	291	145	88	427	462	69	117	70	74.5	15	6	
	280			362			92	85			148	638		293	107	477	160			140	20	110	M20	
							72	35				638			107									
												638			107									
												655			124									
												655			124									

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	

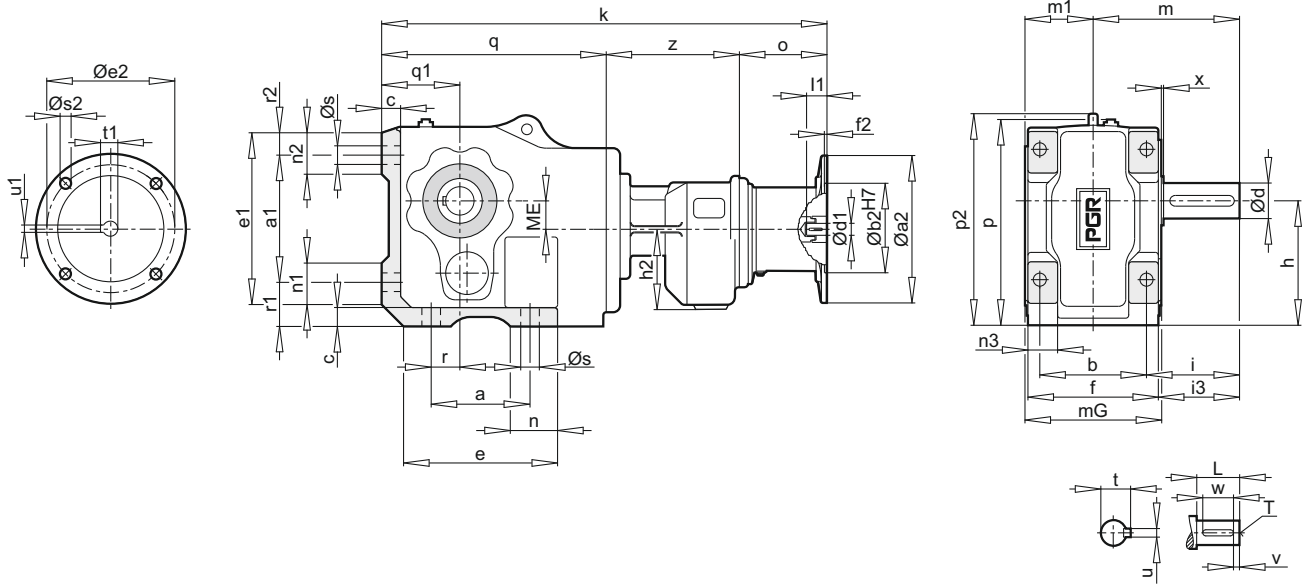
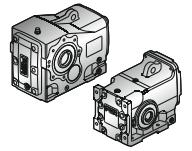


Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x
	a1			e1		n3	r1	r2	h2	i3			mG		p2	q1			L	u	w	T	
<b>PKD 6390/32</b> - IEC 71 - IEC 80 <b>TMA + IEC</b> - IEC 90 - IEC 100 - IEC 112 - IEC 132	280	270	46	392	330	112	112	95	33	315	212	877	347	170	88	502	552	237	50.7	90	95.0	15	7
<b>PKD 6390/42</b> - IEC 90 - IEC 100 - IEC 112 <b>TMA + IEC</b> - IEC 132 - IEC 160	280	270	46	392	330	112	112	95	33	315	212	940	347	170	109	502	552	279	50.7	90	95.0	15	7
<b>PKD 7390/32</b> - IEC 71 - IEC 80 - IEC 90 <b>TMA + IEC</b> - IEC 100 - IEC 112 - IEC 132	280	270	46	402	330	112	122	95	33	315	212	877	347	170	88	511	552	237	55.7	90	95.0	15	7
<b>PKD 7390/42</b> - IEC 90 - IEC 100 - IEC 112 <b>TMA + IEC</b> - IEC 132 - IEC 160	280	270	46	402	330	112	122	95	33	315	212	940	347	170	109	511	552	279	55.7	90	95.0	15	7

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	

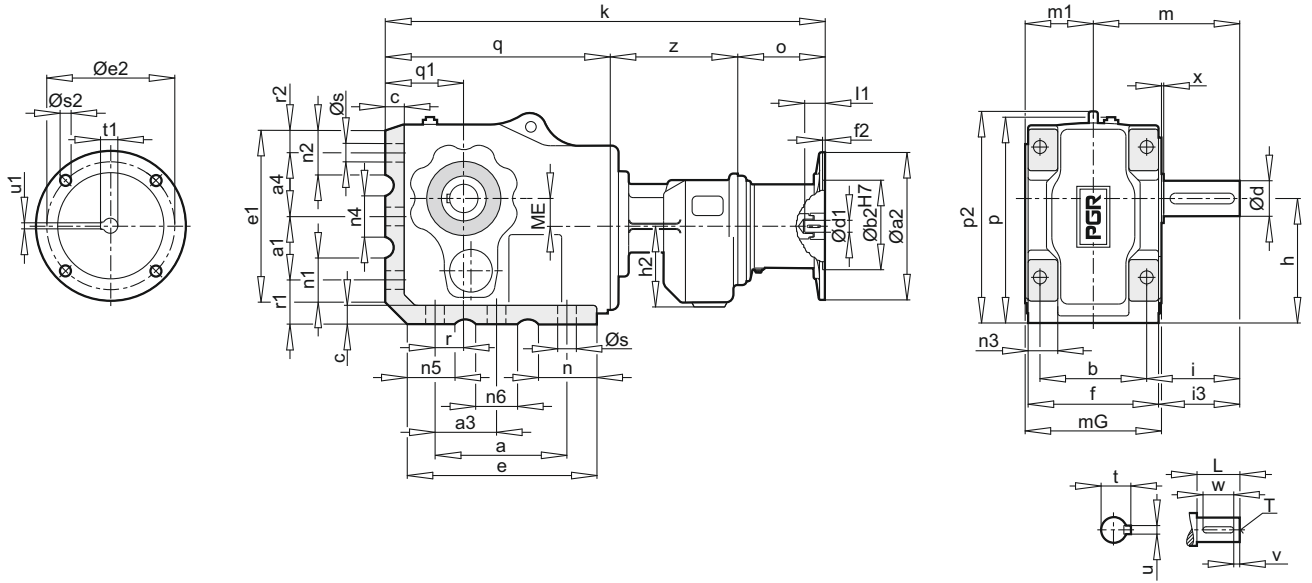


# BEŞ KADEME QUINTUPLE REDUCTION



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions				
	a	b	c	e	f	n	n1	r	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x
	a1			e1			n2	r1		h2	i3			mG		p2	q1			L	u	w	T
<b>PKD 8390/42</b> - IEC 90 - IEC 100 <b>TMA + IEC</b> - IEC 112 - IEC 132 - IEC 160	350	330	49	502	395	152	122	115	39	375	253	1097	418	200	109	615	707	281	52	110	116	15	8
<b>PKD 8390/52</b> - IEC 100 - IEC 112 <b>TMA + IEC</b> - IEC 132 - IEC 160 - IEC 180	350	330	49	502	395	152	122	115	39	375	253	1160	418	200	133	615	707	320	52	110	116	15	8
<b>PKD G 8390/52</b> - IEC 90 - IEC 100 <b>TMA + IEC</b> - IEC 112 - IEC 132 - IEC 160 - IEC 180	380	420	54	522	500	152	152	140	39	450	247	1162	457	238	109	712	733	320	89	120	127	15	9

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48

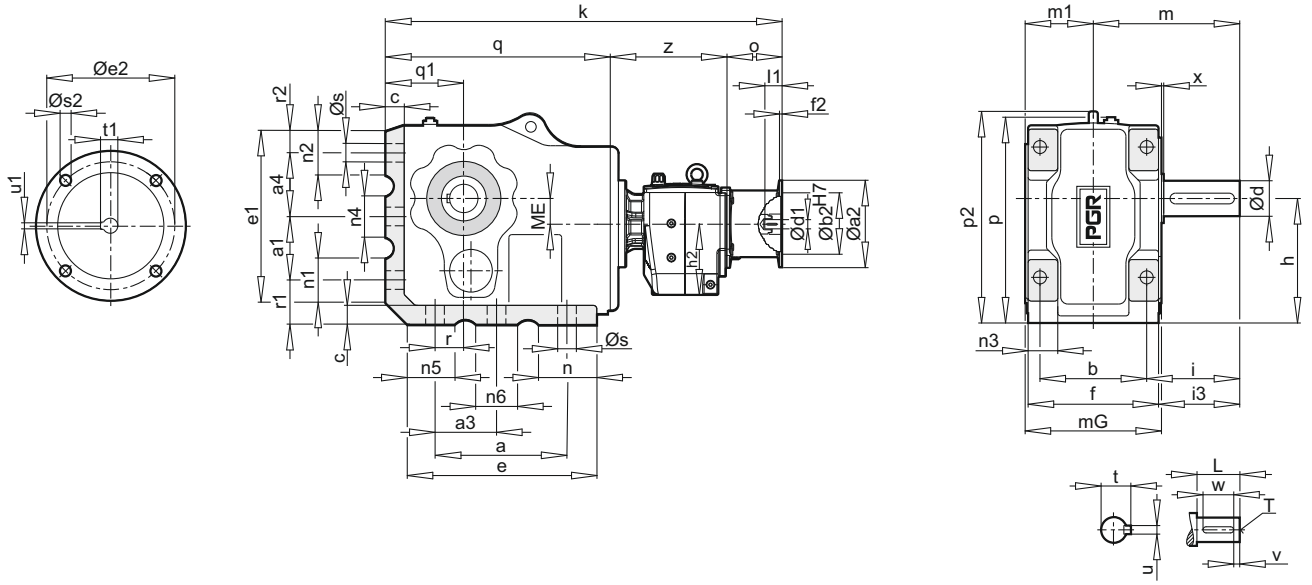
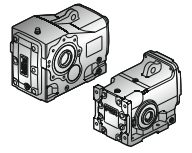


Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions				
	a	a4	b	e	f	n	n3	n6	r	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x	
	a1	a3	c	e1		n1	n2	n4	n5	r1	r2	h2	i3	k	m	mG	o	p2	q1	z	ME	L	u	w	T
<b>PKD 9390/52</b> - IEC 90 - IEC 100 - IEC 112 <b>TMA + IEC</b> - IEC 132 - IEC 160 - IEC 180	540	270	480	672	570	132	97	140	200	33		500	315	1325	555	295	109	817	896	320	100	140	148	15	10
	270	270	54	662		102	100		115			218	270	1349		590	133	928	315			250	36	220	M24
						122	100		70					1349			133								
														1406			190								
														1410			194								
														1410			194								
<b>PKD # G 9390/62</b> - IEC 100 - IEC 112 - IEC 132 <b>TMA + IEC</b> - IEC 160 - IEC 180 - IEC 200 - IEC 225	620	310	540	777	640	152	112	140	215	39		600	387	1501	657	326.5	127	970	962	402	112	190	200	10	10.5
	310	310	64	782		152	140		140			245	337	1501		653	127	1095	355			320	45	300	M30x60
						152	150		80					1551			177								
														1640			266								
														1640			266								
														1603			229								
														1677			303								

# PKD G9390/62 redüktör ünitesinin 160-180 IEC bağlantılarında R-48 KTR kaplin kullanılmaktadır.

# R-48 KTR coupling is used PKD G9390/62 gear units for 160-180 IEC mounting.

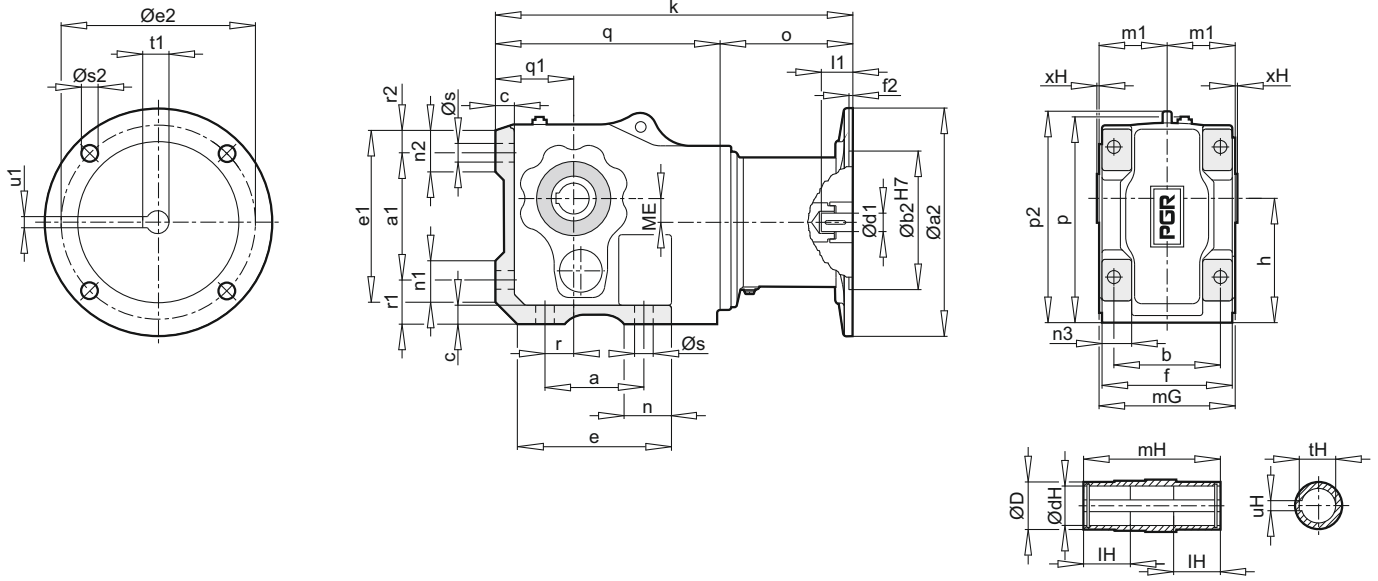
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions					
	a	a4	b	e	f	n	n3	n6	r	s	h	i	k	m	m1	o	p	q	z	ME	d	t	v	x
	a1	a3	c	e1		n1	n2	n4	n5	r1	r2	h2	i3		mG		p2	q1			L	u	w	T
<b>PKD</b> - IEC 90	620	310	540	777	640	152	112	140	215	39	600	387	1447	657	326.5	109	970	962	376	112	190	200	10	10.5
<b>G 9390/63</b> - IEC 100	310	310	64	782		152	140		140		245	337	1471		653	133	1095	355			320	45	300	M30x60
<b>TMA + IEC</b> - IEC 112						152	150		80				1471			133								
- IEC 132													1528			190								
- IEC 160													1532			194								
- IEC 180													1532			194								

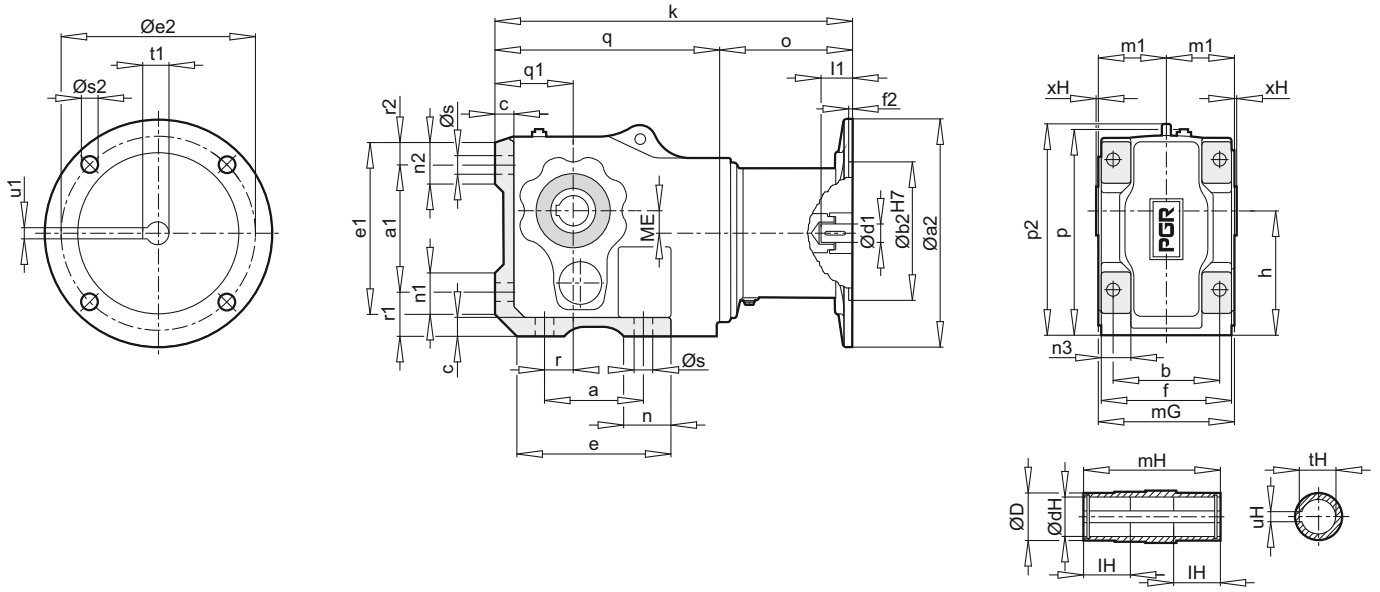
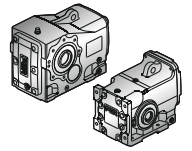
# PKD G9390/62 redüktör ünitesinin 160-180 IEC bağlantılarında R-48 KTR kaplin kullanılmaktadır.  
# R-48 KTR coupling is used PKD G9390/62 gear units for 160-180 IEC mounting.

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	



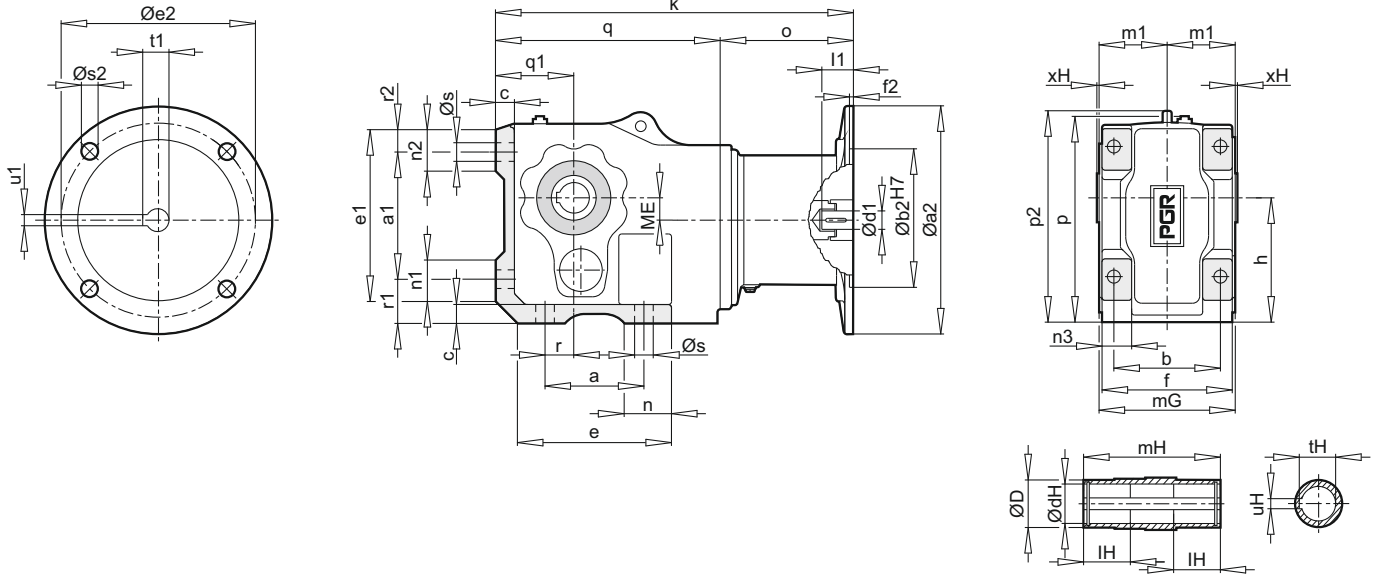
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions						Şaft Ölçüleri Shaft Dimensions			
	a	b	c	e	f	n	n1	r	s		h	k	m1	o	p	q	ME	dH	tH	IH
	a1			e1			n2	r1				mG		p2	q1		D	uH	mH	
<b>PKD 1390</b> <b>DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	130	120	17	173	140	46	41	35	11	112	324	71	85	195	239	10	30	33.3	50	3
	130			166			36	37			328	142	89	228	71		45	8	148	
							29	15			344		105							
											344		105							
											369		130							
											369		130							
<b>PKD G 1390</b> <b>DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	130	120	17	173	140	46	41	35	11	112	324	71	85	195	239	10	30	33.3	50	3
	130			166			36	37			328	142	89	228	71		45	8	148	
							29	15			344		105							
											344		105							
											369		130							
											369		130							
<b>PKD 2390</b> <b>DA + IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	120	140	26	191	166	61	51	30	14	140	376	86	85	237	291	14	35	38.3	60	4
	130			189			59	50			380	172	89	271	100		50	10	180	
							39	30			396		105							
											396		105							
											421		130							
											421		130							
<b>PKD 3390</b> <b>DA + IEC</b> - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	150	165	27	231	195	71	61	40	18	180	408	100	88	296	320	24	40	43.3	70	5
	190			244			61	65			427	202	107	330	112		55	12	210	
							46	20			427		107							
											444		124							
											444		124							
											476		156							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	



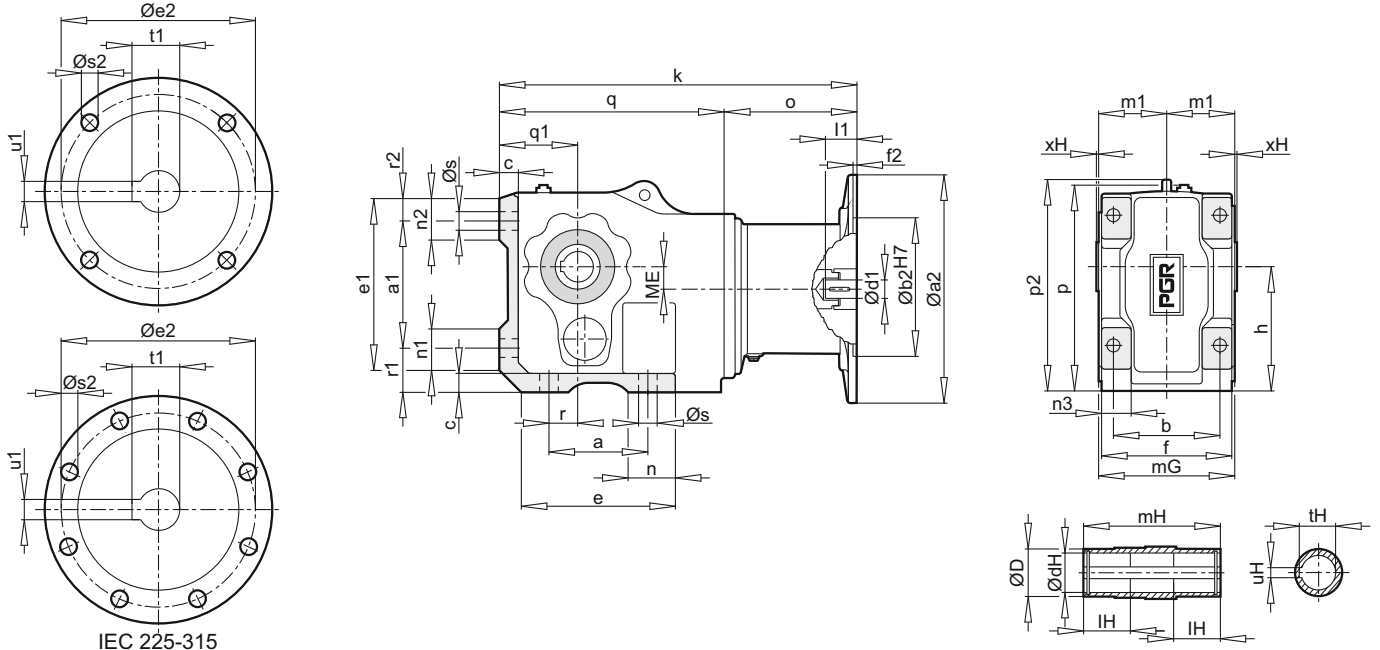
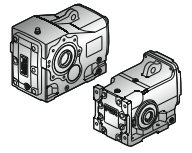
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions						Şaft Ölçüleri Shaft Dimensions					
	a	b	c	e	f	n	n1 n2 n3	r r1 r2	s	h	k	m1 mG	o	p p2	q q1	ME	dH D	tH uH	IH mH	xH	
<b>PKD 4390</b> <b>DA + IEC</b>	- IEC 90	180	180	35	261	220	81	71	55	22	212	489	115	109	348	380	36	50	53.8	80	5
	- IEC 100	220			291			71	77		513	250	133	390	132		70	14	240		
	- IEC 112							51	30		513		133								
	- IEC 132										570		190								
	- IEC 160										574		194								
<b>PKD 5390</b> <b>DA + IEC</b>	- IEC 90	240	240	41	332	285	102	102	75	26	265	571	145	109	427	462	41	60	64.4	100	5
	- IEC 100	280			362			92	85		595	293	133	477	160		85	18	300		
	- IEC 112							72	35		595		133								
	- IEC 132										652		190								
	- IEC 160										656		194								
- IEC 180										656		194									

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions						Şaft Ölçüleri Shaft Dimensions					
	a	b	c	e	f	n	n1 n2 n3	r r1 r2	s	h	k	m1 mG	o	p p2	q	q1 ME	dH D	tH uH	IH mH	xH	
<b>PKD 6390</b> <b>DA + IEC</b>	- IEC 100	280	270	46	392	330	112	112	95	33	315	679	170	127	502	552	200	70	74.9	120	5
	- IEC 112	310			422			112	105		679	350	127	558		50.7	100	20	350		
	- IEC 132							72	55		729		177								
	- IEC 160										818		266								
	- IEC 180										818		266								
	- IEC 200										781		229								
- IEC 225										855		303									
<b>PKD 7390</b> <b>DA + IEC</b>	- IEC 100	280	270	46	402	330	112	122	95	33	315	679	170	127	511	552	200	80	85.4	120	5
	- IEC 112	360			447			127	95		679	350	127	564		55.7	120	22	350		
	- IEC 132							72	30		729		177								
	- IEC 160										818		266								
	- IEC 180										818		266								
	- IEC 200										781		229								
- IEC 225										855		303									
<b>PKD 7390</b> <b>DA + IEC</b>	- IEC 100	280	270	46	402	330	112	122	95	33	315	679	170	127	511	552	200	90	95.4	120	5
	- IEC 112	360			447			127	95		679	350	127	564		55.7	120	25	350		
	- IEC 132							72	30		729		177								
	- IEC 160										818		266								
	- IEC 180										818		266								
	- IEC 200										781		229								
- IEC 225										855		303									

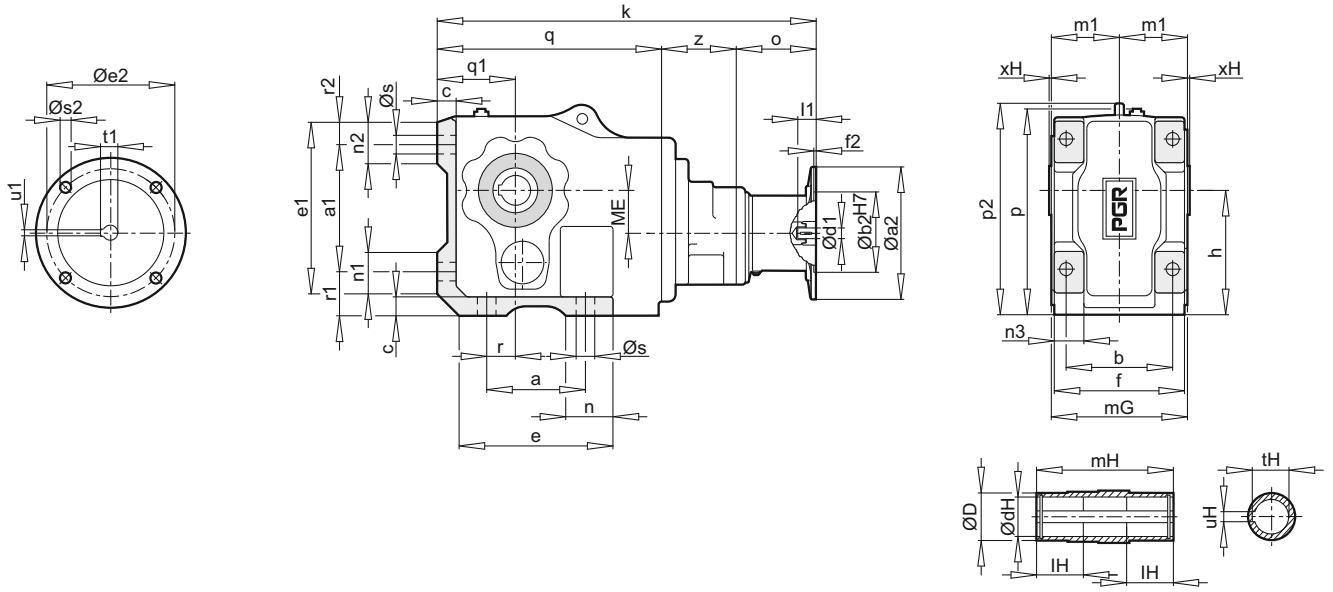
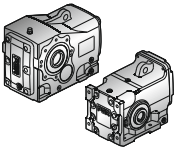
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65



IEC 225-315

Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions					Şaft Ölçüleri Shaft Dimensions							
	a	b	c	e	f	n	n1 n2 n3	r r1 r2	s	h	k	m1 mG	o	p p2	q	q1 ME	dH D	tH uH	IH mH	xH		
<b>PKD 8390</b> <b>DA + IEC</b>	- IEC 132	350	330	49	502	395	152	122	115	39	375	904	200	177	615	727	225	100	106.4	140	10	
	- IEC 160	400			522			122	110			993	450	266	709	52		130	28	420		
	- IEC 180							90	60			993		266								
	- IEC 200											956		229								
	- IEC 225											1030		303								
	- IEC 250											1010		303	707							
	- IEC 280											1010		303								
	- IEC 315											1116		381		735						
<b>PKD G 8390</b> <b>DA + IEC</b>	- IEC 132	380	420	54	522	500	152	115	39	450	930	238	177	712	753	250	110	116.4	140	12		
	- IEC 160	480			622			142	120			500	266	822	89		140	28	500			
	- IEC 180							102	65			1019		266								
	- IEC 200										982		229									
	- IEC 225										1056		303									
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	- IEC 280										1036		303									
	- IEC 315										1142		381		761							

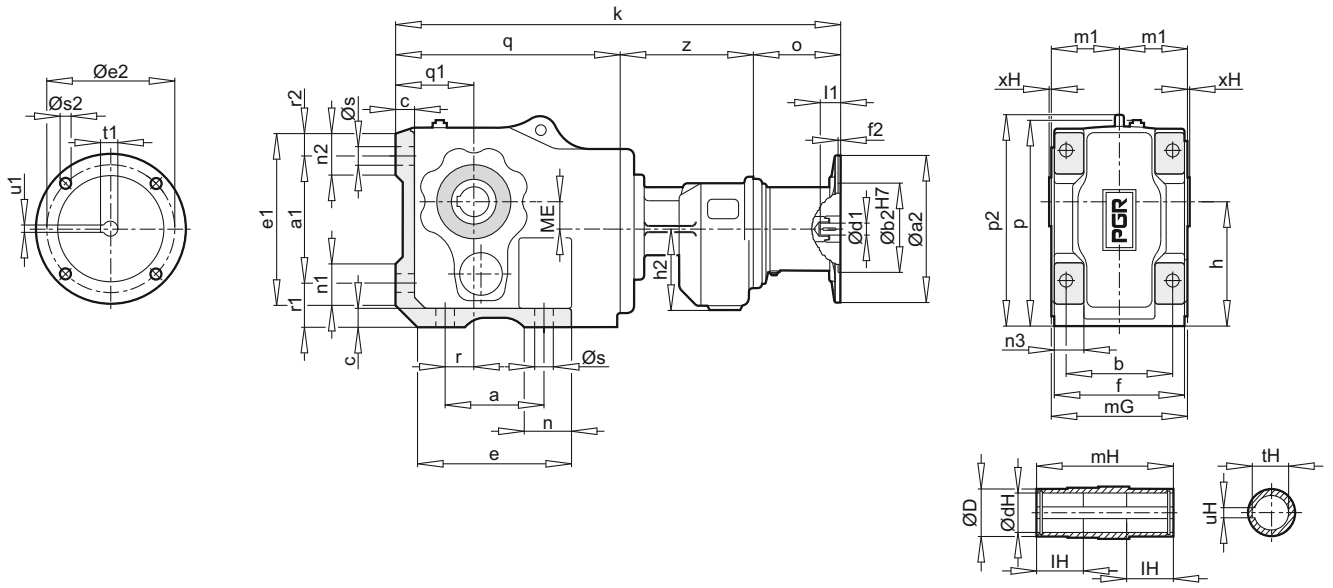
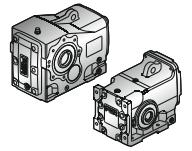
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions			
	a	b	c	e	f	n	n1	r	s		h	k	m1	o	p	q	z	ME	dH	tH	IH
	a1			e1			n2	r1				mG		p2	q1			D	uH	mH	
<b>PKD 1490</b> - IEC 63 <b>DA + IEC</b> - IEC 71	130	120	17	173	140	46	41	35	11	112	382	71	85	195	239	58	40	30	33.3	50	3
	130			166			36	37			386	142	89	228	71			45	8	148	
							29	15													
<b>PKD G 1490</b> - IEC 63 <b>DA + IEC</b> - IEC 71	130	120	17	173	140	46	41	35	11	112	382	71	85	195	239	58	40	30	33.3	50	3
	130			166			36	37			386	142	89	228	71			45	8	148	
							29	15													
<b>PKD 2490</b> - IEC 63 <b>DA + IEC</b> - IEC 71	120	140	26	191	166	61	51	30	14	140	434	86	85	237	291	58	44	35	38.3	60	4
	130			189			59	50			438	172	89	271	100			50	10	180	
							39	30													
<b>PKD 3490</b> - IEC 63 <b>DA + IEC</b> - IEC 71 - IEC 80 - IEC 90	150	165	27	231	195	71	61	40	18	180	465	100	85	296	320	60	74	40	43.3	70	5
	190			244			61	65			469	202	89	330	112			55	12	210	
							46	20			485		105								
							485				485		105								
<b>PKD 4490</b> - IEC 71 <b>DA + IEC</b> - IEC 80 - IEC 90 - IEC 100 - IEC 112	180	180	35	261	220	81	71	55	22	212	537	115	88	348	380	69	97	50	53.8	80	5
	220			291			71	77			556	250	107	390	132			70	14	240	
							51	30			556		107								
							573				573		124								
							573				573		124								
<b>PKD 5490</b> - IEC 71 <b>DA + IEC</b> - IEC 80 - IEC 90 - IEC 100 - IEC 112	240	240	41	332	285	102	102	75	26	265	619	145	88	427	462	69	117	60	64.4	100	5
	280			362			92	85			638	293	107	477	160			85	18	300	
							72	35			638		107								
							655				655		124								
							655				655		124								

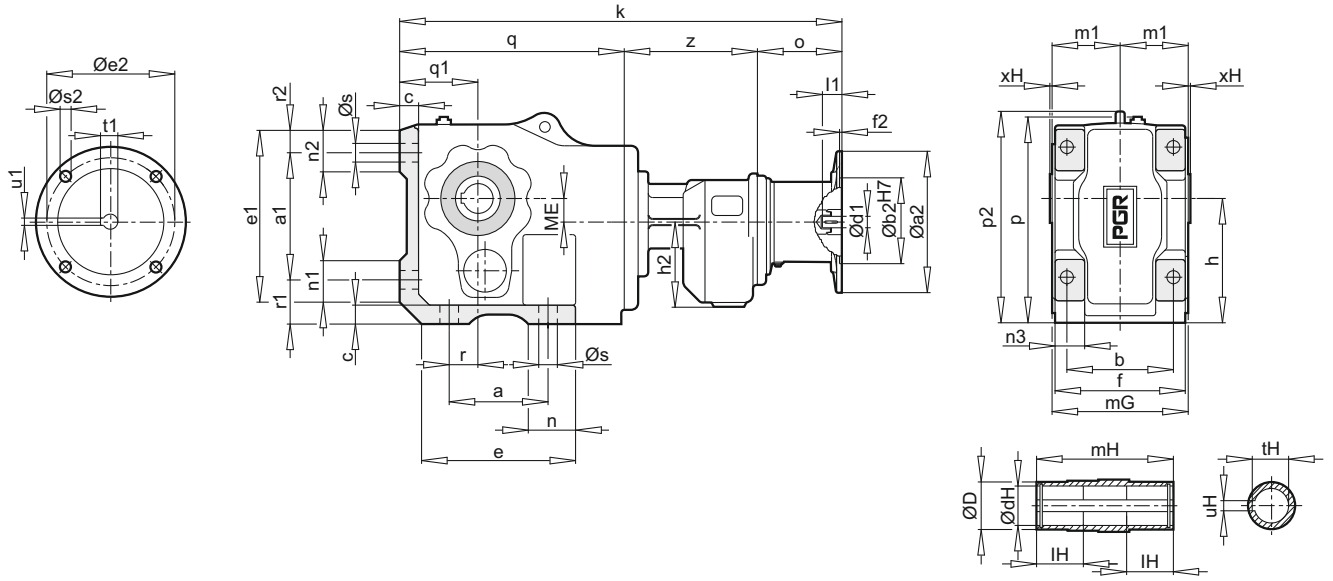
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	





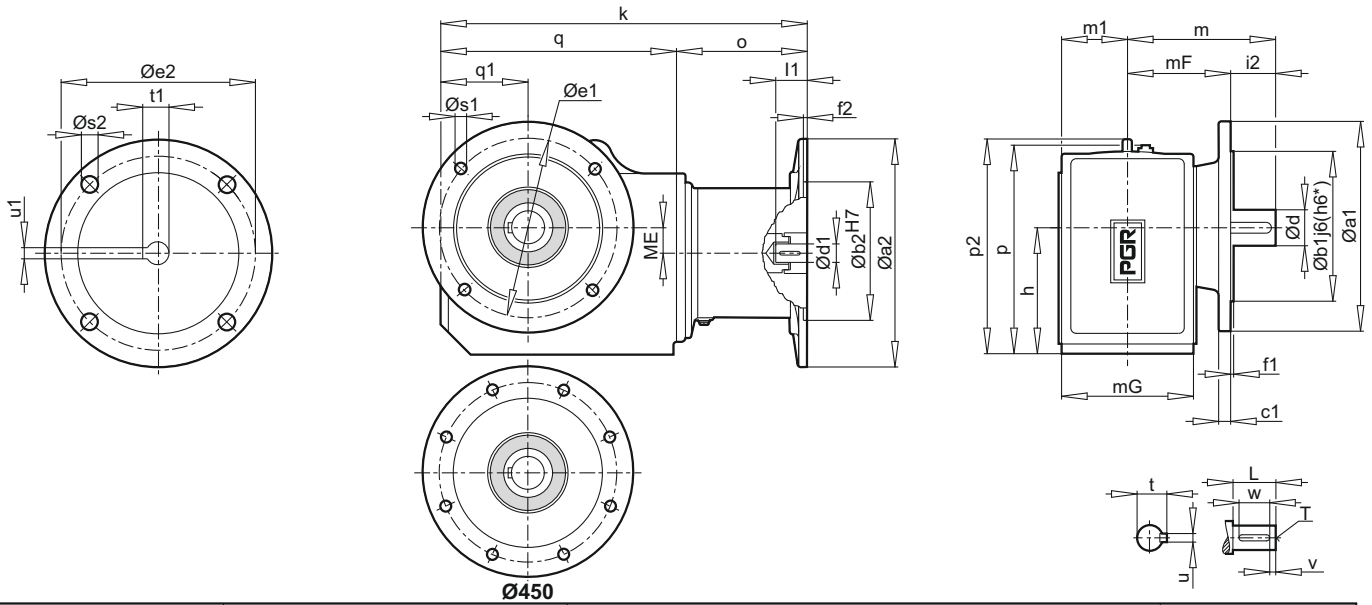
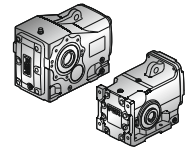
Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)									Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions									
	a	b	c	e	f	n	n1	n2	n3	r	r1	r2	s	h	k	m1	o	p	q	z	ME	dH	tH	IH	xH	
	a1			e1			n2	n3		r2				h2		mG		p2	q1			D	uH	mH		
<b>PKD 6390/32 DA + IEC</b>	- IEC 71	280	270	46	392	330	112	112	95	33				315	877	170	88	502	552	237	50.7	70	74.9	120	5	
	- IEC 80	310			422			112	105					159	896	350	107	558	200			100	20	350		
	- IEC 90							72	55						896		107									
	- IEC 100														913		124									
	- IEC 112														913		124									
	- IEC 132														945		156									
<b>PKD 6390/42 DA + IEC</b>	- IEC 90	280	270	46	392	330	112	112	95	33				315	940	170	109	502	552	279	50.7	70	74.9	120	5	
	- IEC 100	310			422			112	105					179	964	350	133	558	200			100	20	350		
	- IEC 112							72	55						964		133									
	- IEC 132														1021		190									
	- IEC 160														1025		194									
<b>PKD 7390/32 DA + IEC</b>	- IEC 71	280	270	46	402	330	112	122	95	33				315	877	170	88	511	552	237	55.7	80	85.4	120	5	
	- IEC 80	310			447			127	95					159	896	350	107	564	200			120	22	350		
	- IEC 90							72	30						896		107									
	- IEC 100														913		124									
	- IEC 112														913		124									
	- IEC 132														945		156									
<b>PKD 7390/42 DA + IEC</b>	- IEC 90	280	270	46	402	330	112	122	95	33				315	940	170	109	511	552	279	55.7	80	85.4	120	5	
	- IEC 100	360			447			127	95					179	964	350	133	564	200			120	22	350		
	- IEC 112							72	30						964		133									
	- IEC 132														1021		190									
	- IEC 160														1025		194									
<b>PKD 7390/32 DA + IEC</b>	- IEC 71	280	270	46	402	330	112	122	95	33				315	877	170	88	511	552	237	55.7	90	95.4	120	5	
	- IEC 80	310			447			127	95					159	896	350	107	564	200			120	25	350		
	- IEC 90							72	30						896		107									
	- IEC 100														913		124									
	- IEC 112														913		124									
	- IEC 132														945		156									
<b>PKD 7390/42 DA + IEC</b>	- IEC 90	280	270	46	402	330	112	122	95	33				315	940	170	109	511	552	279	55.7	90	95.4	120	5	
	- IEC 100	360			447			127	95					179	964	350	133	564	200			120	25	350		
	- IEC 112							72	30						964		133									
	- IEC 132														1021		190									
	- IEC 160														1025		194									

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42



Tip Type	Montaj ölçüleri (Ayak) Mounting dimensions (Foot)										Ana ölçüler Outline dimensions							Şaft Ölçüleri Shaft Dimensions			
	a	b	c	e	f	n	n1	n2	r	s	h	k	m1	o	p	q	z	ME	dH	tH	IH
	a1			e1		n3	n3	r2		h2		mG		p2	q1			D	uH	mH	
<b>PKD 8390/42</b> - IEC 90 - IEC 100 <b>DA + IEC</b> - IEC 112 - IEC 132 - IEC 160	350	330	49	502	395	152	122	115	39	375	1097	200	109	615	707	281	52	100	106.4	140	10
<b>PKD 8390/52</b> - IEC 100 - IEC 112 <b>DA + IEC</b> - IEC 132 - IEC 160 - IEC 180	350	330	49	502	395	152	122	115	39	375	1160	200	133	615	707	320	52	100	106.4	140	10
<b>PKD G 8390/52</b> - IEC 90 - IEC 100 <b>DA + IEC</b> - IEC 112 - IEC 132 - IEC 160 - IEC 180	380	420	54	522	500	152	152	140	39	450	1162	238	109	712	733	320	89	110	116.4	140	12

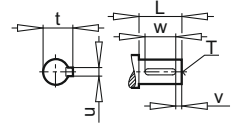
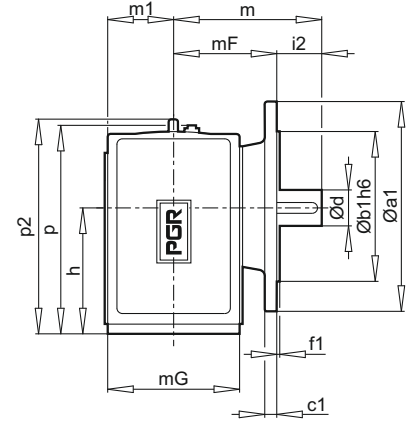
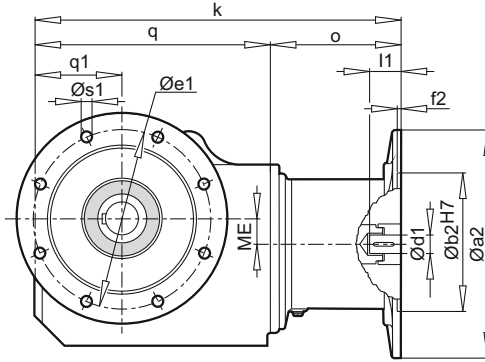
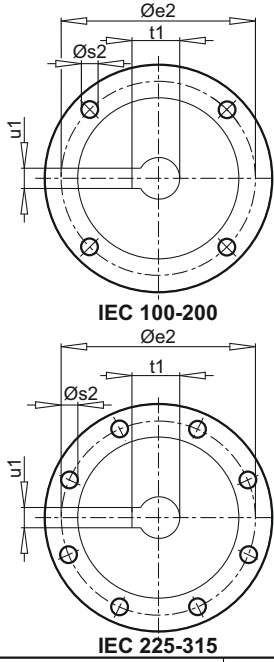
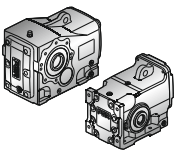
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	



Ø450

Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	ME	d L	t u	v w	T	
<b>PKD 1390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	200	130	12	165	3.5	4x11	112	21	335	134	68	85	198	250	82	10	30	33.0	5	M10
<b>PKD G 1390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	200	130	12	165	3.5	4x11	112	31	335	144	68	85	198	250	82	10	35	38.0	7	M12
<b>PKD 2390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	250	180	16	215	4	4x14	143	26	378	160	82	85	244	293	102	14	35	38.0	7	M12
<b>PKD 3390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	250 300	180 230	16 20	215 265	4	4x14 4x14	180	46	422 441 441	196	97 150 200	88 107 107	301 335	334	126	24	45 90	48.5 14	5 80	M16
<b>PKD 4390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160	350	250*	20	300	5	4x18	217	75	511 535 535	240	108 165 250	109 133 133	358 400	402	154	36	60 120	64.0 18	10 100	M20
<b>PKD 5390</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	400 450	300* 350*	20 22	350 400	5	4x18 8x18	262	90	596 620 620	291	141 201 290	109 133 133	429 479	487	185	41	70 140	74.5 20	15 110	M20

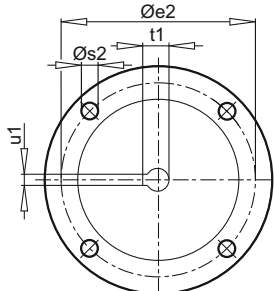
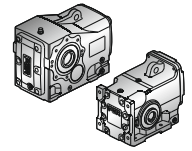
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48



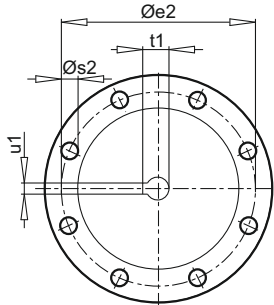
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	ME	d L	t u	v w	T	
<b>PKD 6390</b> - IEC 100 <b>TMG/B5</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	450	350	22	400	5	8x18	315	118	697	345	165	127	510	570	218	50.7	90	95.0	15	M24	
	550	450	28	500	5	8x18			697		227	127	566				170	25	140		
									747		350	177									
									836			266									
									836			266									
									799			229									
									873			303									
<b>PKD 7390</b> - IEC 100 <b>TMG/B5</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	450	350	22	400	5	8x18	315	120	697	347	165	127	511	570	218	55.7	90	95.0	15	M24	
	550	450	28	500	5	8x18			697		227	127	564				170	25	140		
									747		350	177									
									836			266									
									836			266									
									799			229									
									873			303									
<b>PKD 8390</b> - IEC 132 <b>TMG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	550	450	28	500	5	8x18	375	163	919	420	195	177	620	742	240	52	110	116	15	M24	
									1008		257	266	714				210	28	180		
									1008		450	266									
									971		229										
									1045		303										
									1025		303			722							
									1025		303										
<b>PKD G 8390</b> - IEC 132 <b>TMG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	660	550	32	600	6	8x22	450	145	945	460	235	177	722	768	265	89	120	127	15	M24	
									1034		315	266	832				210	32	180		
									1034		486	266									
									997		229										
									1071		303										
									1051		303			748							
									1051		303										

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90

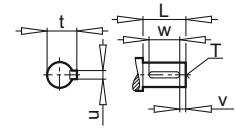
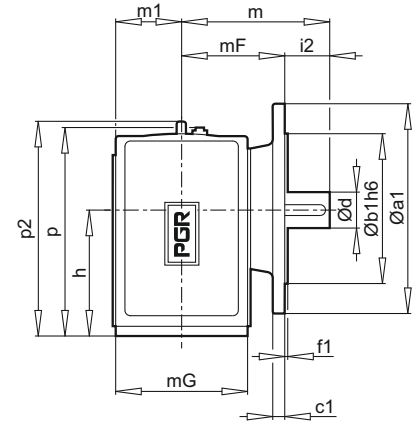
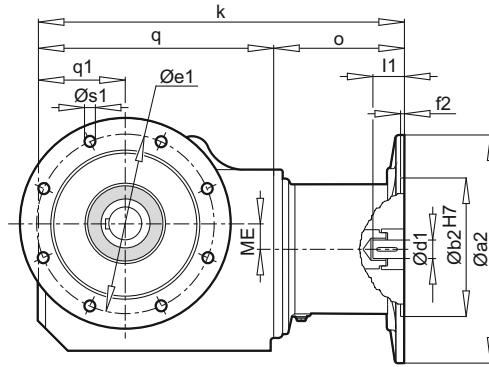
# ÜÇ KADEME TRIPLE REDUCTION



IEC 132-200

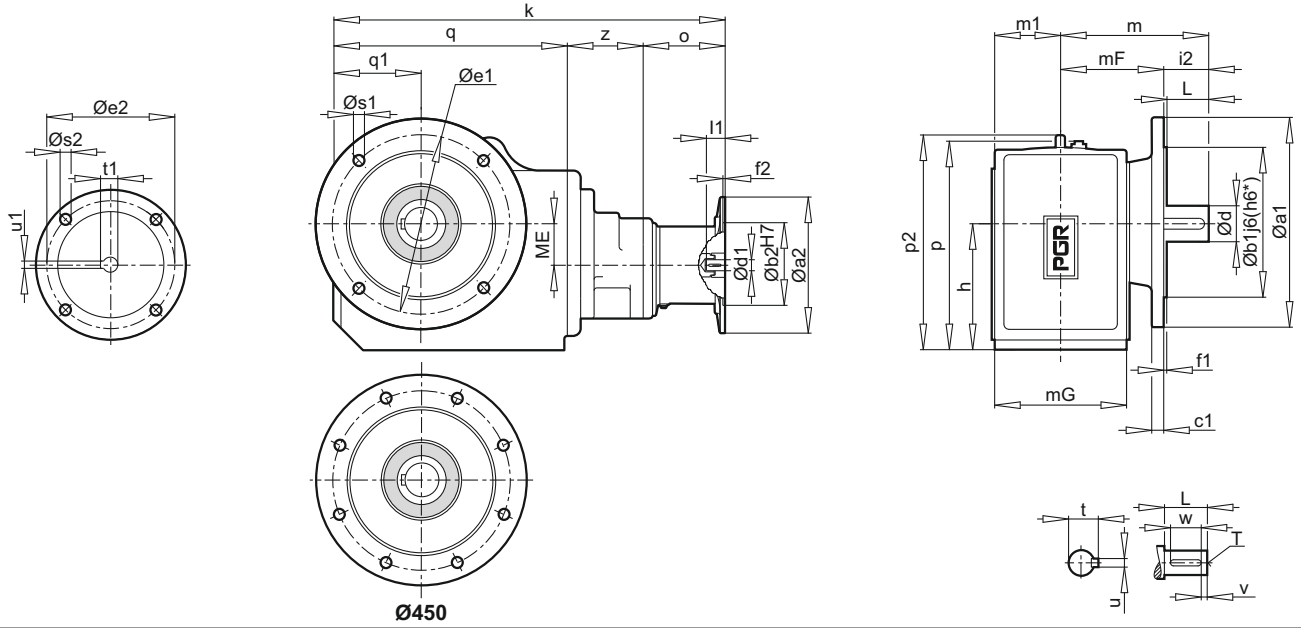


IEC 225-315



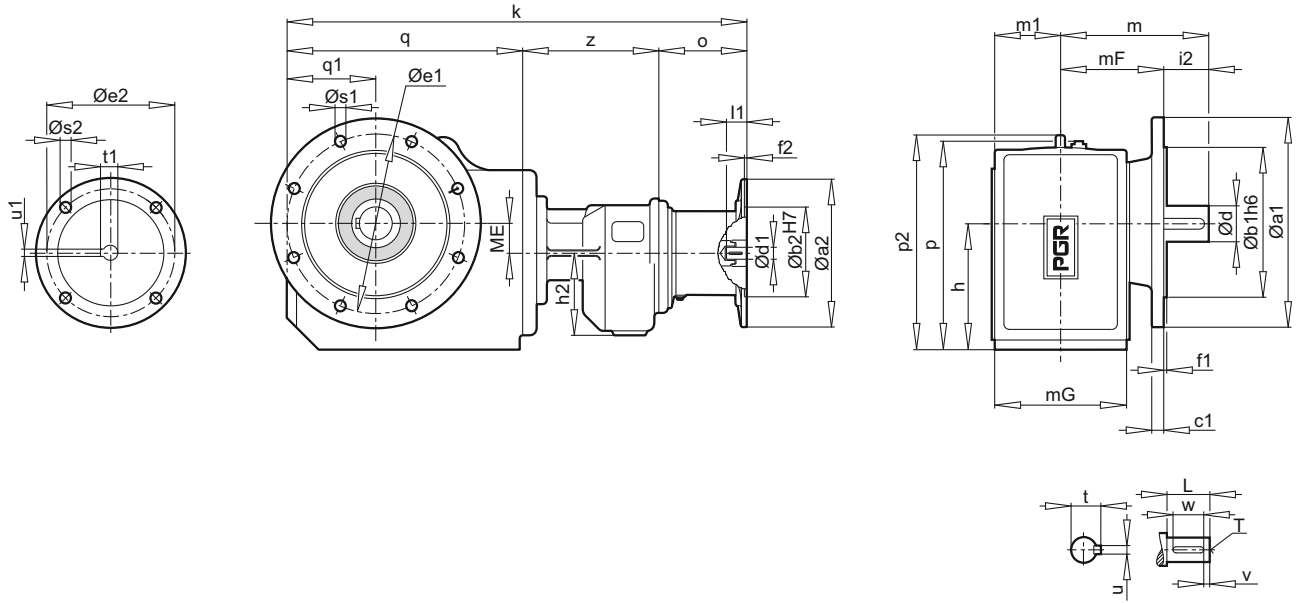
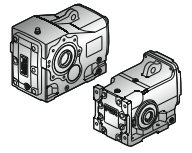
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions					
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	ME	d L	t u	v w	T	
<b>PKD 9390</b> - IEC 132 <b>TMG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	660	550	32	600	6	8x22	500	187	1080	555	288	177	817	903	310	100	140	148	15	M24	
											368	266	928				250	36	220		
											590	266									
											1132	229									
											1206	303									
											1222	303		919							
											1222	303									
											1273	381			892						
<b>PKD G 9390</b> - IEC 132 <b>TMG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	660	550	32	600	6	8x22	600	247	1139	657	320	177	970	962	344	112	190	200	10	M30x60	
											410	266	1000				320	45	300		
											653	266									
											1191	229									
											1265	303									
											1279	303		976							
											1279	303									
											1357	381									

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
180	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
200	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
225	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65
250	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 75
280	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90
315	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90



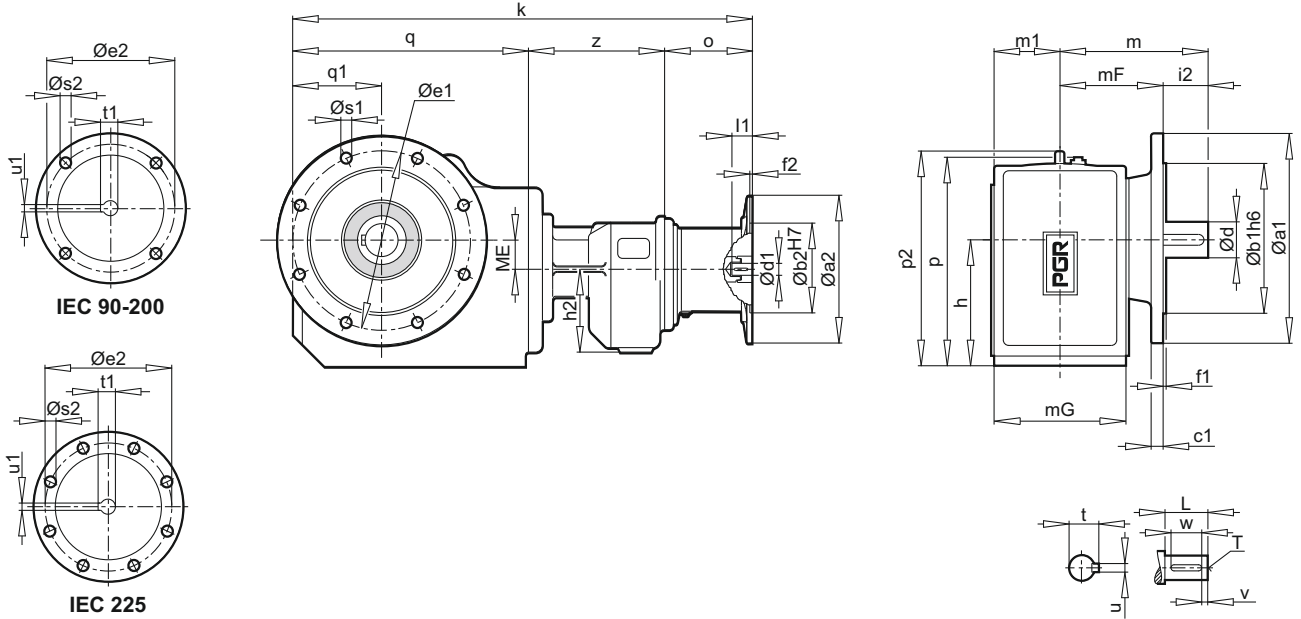
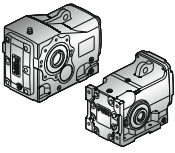
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions											Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1 mF mG	o	p p2	q	q1	z	ME	d L	t u	v w	T
<b>PKD 1490</b> - IEC 63 <b>TMG/B5</b> - IEC 71 <b>+ IEC</b>	200	130	12	165	3.5	4x11	112	21	393	134	68	85	198	250	82	58	40	30	33.0	5	M10
<b>PKD G 1490</b> - IEC 63 <b>TMG/B5</b> - IEC 71 <b>+ IEC</b>	200	130	12	165	3.5	4x11	112	31	393	144	68	85	198	250	82	58	40	35	38.0	7	M12
<b>PKD 2490</b> - IEC 63 <b>TMG/B5</b> - IEC 71 <b>+ IEC</b>	250	180	16	215	4	4x14	143	26	436	160	82	85	244	293	102	58	44	35	38.0	7	M12
<b>PKD 3490</b> - IEC 63 <b>TMG/B5</b> - IEC 71 - IEC 80 <b>+ IEC</b> - IEC 90	250	180	16	215	4	4x14	180	46	479	196	97	85	301	334	126	60	74	45	48.5	5	M16
<b>PKD 4490</b> - IEC 71 <b>TMG/B5</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	350	250*	20	300	5	4x18	217	75	559	240	108	88	358	402	154	69	97	60	64.0	10	M20
<b>PKD 5490</b> - IEC 71 <b>TMG/B5</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	400	300*	20	350	5	4x18	262	90	644	291	141	88	429	487	185	69	117	70	74.5	15	M20

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions						
	a1	b1	c1	e1	f1	s1	h h2	i2	k	m	m1 mF mG	o	p p2	q	q1	z	ME	d L	t u	v w	T		
<b>PKD 6390/32</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 71	450	350	22	400	5	8x18	315	118	895	345	165	88	510	570	218	237	50.7	90	95.0	15	M24	
	- IEC 80	550	450	28	500	5	8x18	159		914		227	107	566					170	25	140		
	- IEC 90									914		350	107										
	- IEC 100									931			124										
	- IEC 112									931			124										
- IEC 132									963			156											
<b>PKD 6390/42</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90	450	350	22	400	5	8x18	315	118	958	345	165	109	510	570	218	279	50.7	90	95.0	15	M24	
	- IEC 100	550	450	28	500	5	8x18	179		982		227	133	566					170	25	140		
	- IEC 112									982		350	133										
	- IEC 132									1039			190										
- IEC 160									1043			194											
<b>PKD 7390/32</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 71	450	350	22	400	5	8x18	315	120	895	347	165	88	511	570	218	237	55.7	90	95.0	15	M24	
	- IEC 80	550	450	28	500	5	8x18	159		914		227	107	564					170	25	140		
	- IEC 90									914		350	107										
	- IEC 100									931			124										
	- IEC 112									931			124										
- IEC 132									963			156											
<b>PKD 7390/42</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90	450	350	22	400	5	8x18	315	120	958	347	165	109	511	570	218	279	55.7	90	95.0	15	M24	
	- IEC 100	550	450	28	500	5	8x18	179		982		227	133	564					170	25	140		
	- IEC 112									982		350	133										
	- IEC 132									1039			190										
- IEC 160									1043			194											

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42

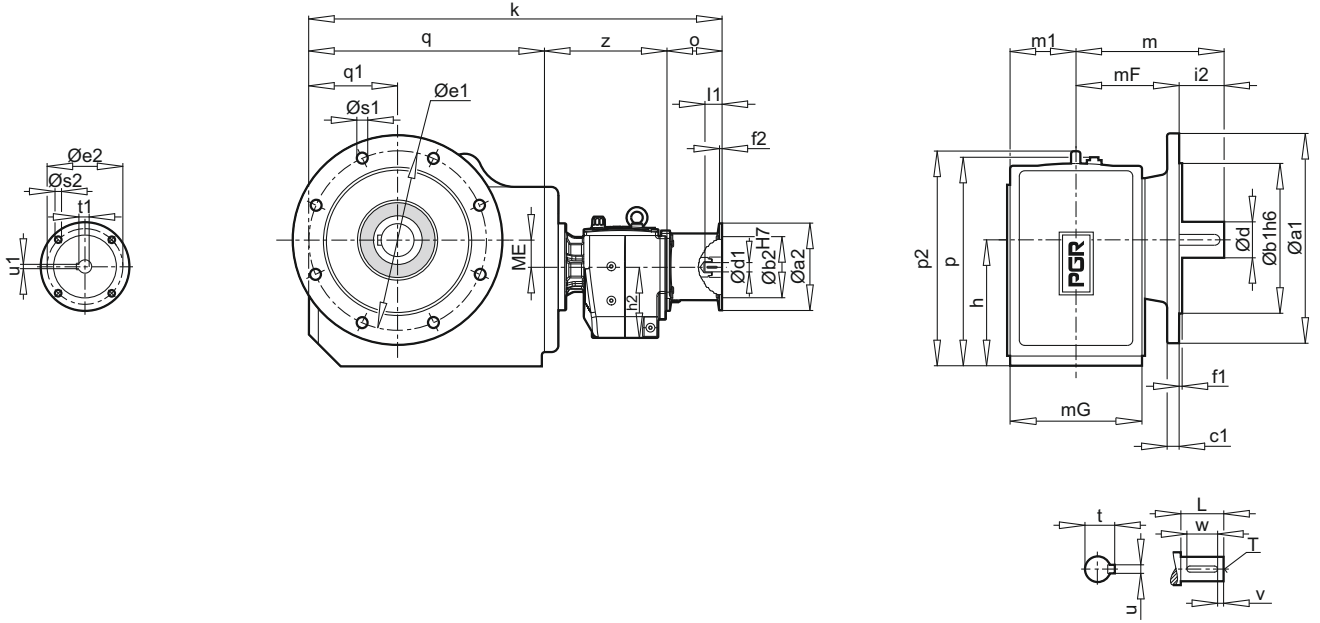
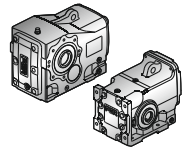


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions					
	a1	b1	c1	e1	f1	s1	h h2	i2	k	m	m1 mF mG	o	p p2	q	q1	z	ME	d L	t u	v w	T	
<b>PKD</b> <b>8390/42</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160	550	450	28	500	5	8x18	375 179	163	1112 1136 1136 1193 1197	420	195 257 450	109 133 133 190 194	620 722	240	281	52	110 210	116 28	15 180	M24	
<b>PKD</b> <b>8390/52</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	550	450	28	500	5	8X18	375 218	163	1175 1175 1232 1236 1236	420	195 257 450 190 194 194	133 133 714	620 722	240	320	52	110 210	116 28	15 180	M24	
<b>PKD</b> <b>G8390/52</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	660	550	32	600	6	8X22	450 218	145	1177 1201 1201 1258 1262 1262	460	235 315 486	109 133 133 190 194 194	722 748	265	320	89	120 210	127 32	15 180	M24	
<b>PKD</b> <b>9390/52</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	660	550	32	600	6	8X22	500 218	187	1321 1345 1345 1402 1406 1406	555	288 368 590	109 133 133 190 194 194	817 928	892	310	320	100	140 250	148 36	15 220	M24
<b>PKD</b> <b>G 9390/62</b> <b>TMG/B5</b> <b>+ IEC</b>	- IEC 100 - IEC 112 - IEC 132 # - IEC 160 # - IEC 180 - IEC 200 - IEC 225	660	550	32	600	6	8X22	600 245	247	1491 1491 1541 1630 1630 1593 1667	657	320 410 653	127 127 177 266 266 229 303	970 1000	962	344	402	112	190 320	200 45	10 300	M30x60

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65

# PKD G9390/62 IEC 160 ve 180'de R48 kaplın kullanılmaktadır. # PKD G9390/62 IEC 160 ve 180'de R48 kaplın kullanılmaktadır.

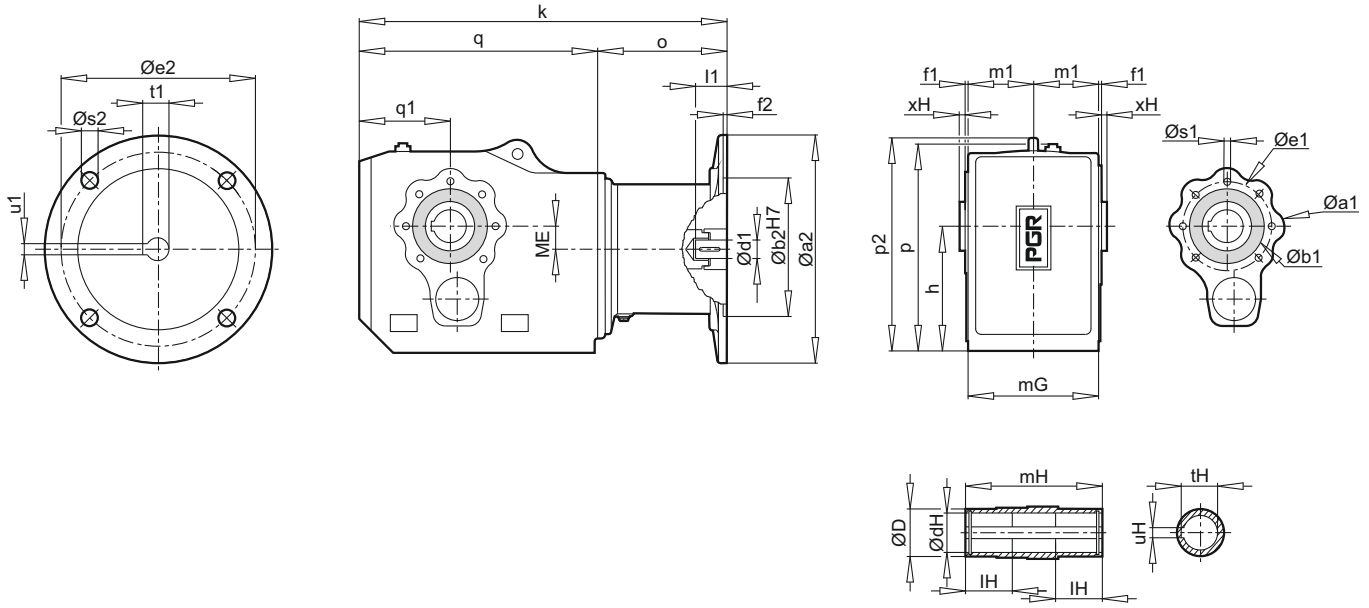




Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)							Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h h2	i2	k	m	m1 mF mG	o	p p2	q	q1	z	ME	d L	t u	v w	T
<b>PKD</b> - IEC 90	660	550	32	600	6	8x22	600	247	1447	657	320	109	970	962	344	376	112	190	200	10	M30x60
<b>G 9390/63</b> - IEC 100							245		1471		410	133	1000					320	45	300	
<b>TMG/B5</b> - IEC 112									1471		653	133									
<b>+ IEC</b> # - IEC 132									1528		190										
# - IEC 160									1532		194										
# - IEC 180									1532		194										

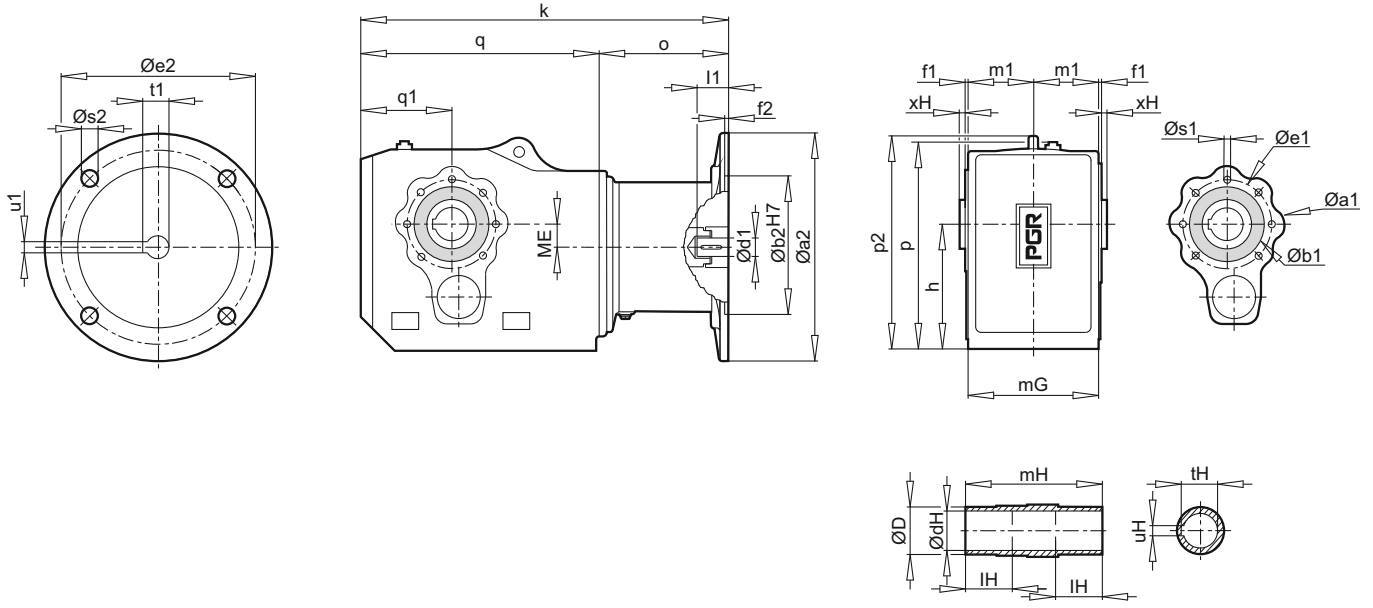
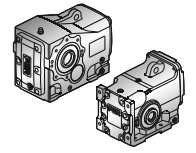
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	

# PKD G9390/62 IEC 160 ve 180'de R48 kaplin kullanılmaktadır. # PKD G9390/62 IEC 160 ve 180'de R48 kaplin kullanılmaktadır.



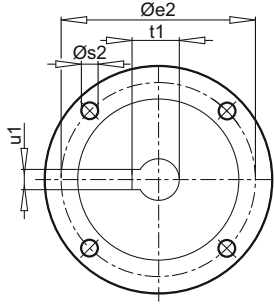
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions				
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	ME	dH D	tH uH	IH mH	xH
<b>PKD 1390</b> <b>DG/B14</b> <b>+ IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	140	95	115	3	M8x13	112	335	68	144	85	198 232	250	82	10	35 50	38.3 10	50 148	3
<b>PKD G1390</b> <b>DG/B14</b> <b>+ IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	140	95	115	3	M8x13	112	335	68	144	85	198 232	250	82	10	40 50	42.2 12	50 148	3
<b>PKD 2390</b> <b>DG/B14</b> <b>+ IEC</b> - IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	160	110	130	4	M8x13	143	378	82	164	85 89	244 278	293	102	14	40 55	43.3 12	60 180	4
<b>PKD 3390</b> <b>DG/B14</b> <b>+ IEC</b> - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	200	130	165	3	M10x16	180	422	97	200	88 107 107	301 335	334	126	24	50 70	53.8 14	70 210	5

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38

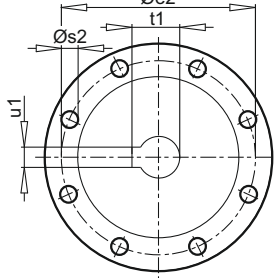


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions				
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	ME	dH D	tH uH	IH mH	xH	
<b>PKD 4390</b> <b>DG/B14</b> <b>+ IEC</b>	- IEC 90	250	180	215	7	M12x20	217	511	108	250	109	358	402	154	36	60	64.4	80	5
	- IEC 100							535				400				80	18	240	
	- IEC 112							535											
	- IEC 132							592											
	- IEC 160							596											
<b>PKD 5390</b> <b>DG/B14</b> <b>+ IEC</b>	- IEC 90	300	230	265	4	M12x20	262	596	141	290	109	429	487	185	41	70	74.9	100	5
	- IEC 100							620				479				100	20	300	
	- IEC 112							620											
	- IEC 132							677											
	- IEC 160							681											
- IEC 180							681												

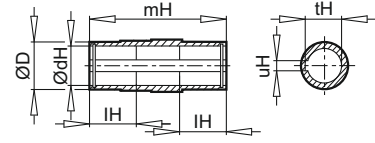
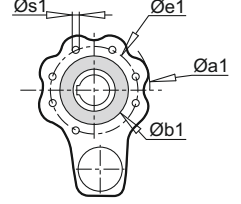
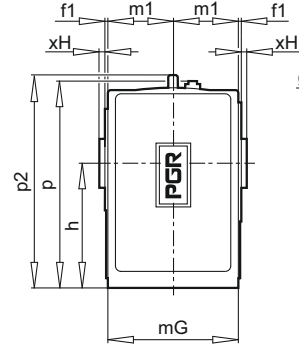
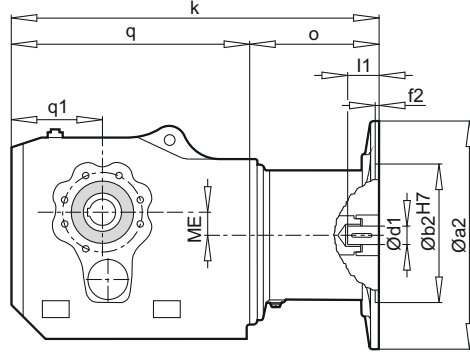
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48



**IEC 100-200**



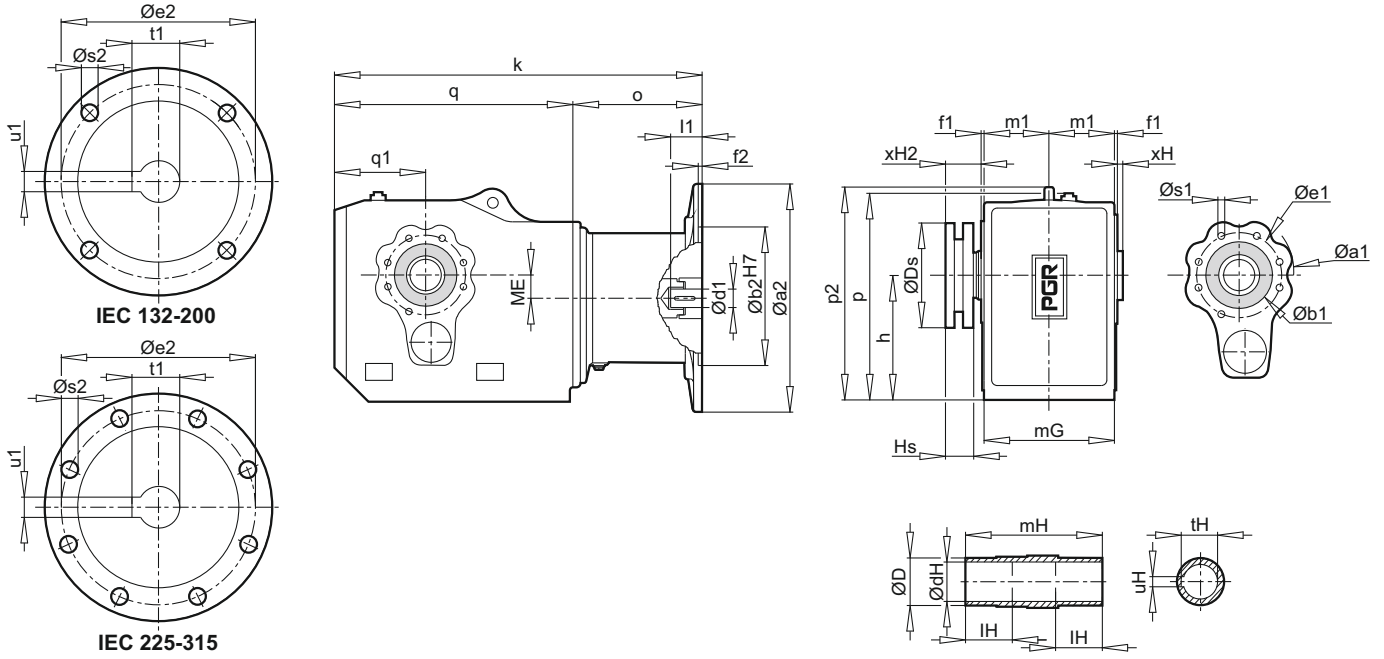
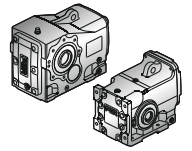
**IEC 225-315**



Tip Type	Montaj ölçüleri (Flans) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions			
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	ME	dH D	tH uH	IH mH	xH
<b>PKD 6390</b> - IEC 100 <b>DG/B14</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	350	250	300	5	M16x25	315	697	165	350	127	510	570	218	50.7	80	85.4	120	5
							697			127	566				110	22	350	
							747			177								
							836			266								
							836			266								
							799			229								
							873			303								
<b>PKD 7390</b> - IEC 100 <b>DG/B14</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	350	250	300	5	M16x25	315	697	165	350	127	511	570	218	55.7	90	95.4	120	5
							697			127	564				120	25	350	
							747			177								
							836			266								
							836			266								
							799			229								
							873			303								
<b>PKD 8390</b> - IEC 132 <b>DG/B14</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	400	300	350	7	M16x25	375	919	195	450	177	620	742	240	52	110	116.4	140	8
							1008			266	714				140	28	420	
							1008			266								
							971			229								
							1045			303								
							1025			303		722						
							1025			303								
							1131			381		750						
<b>PKD G 8390</b> - IEC 132 <b>DG/B14</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	450	350	400	7	M20x30	450	945	235	486	177	722	768	265	89	120	127.4	160	8
							1034			266	832				160	32	500	
							1034			266								
							997			229								
							1071			303								
							1051			303		748						
							1051			303								
							1157			381		776						

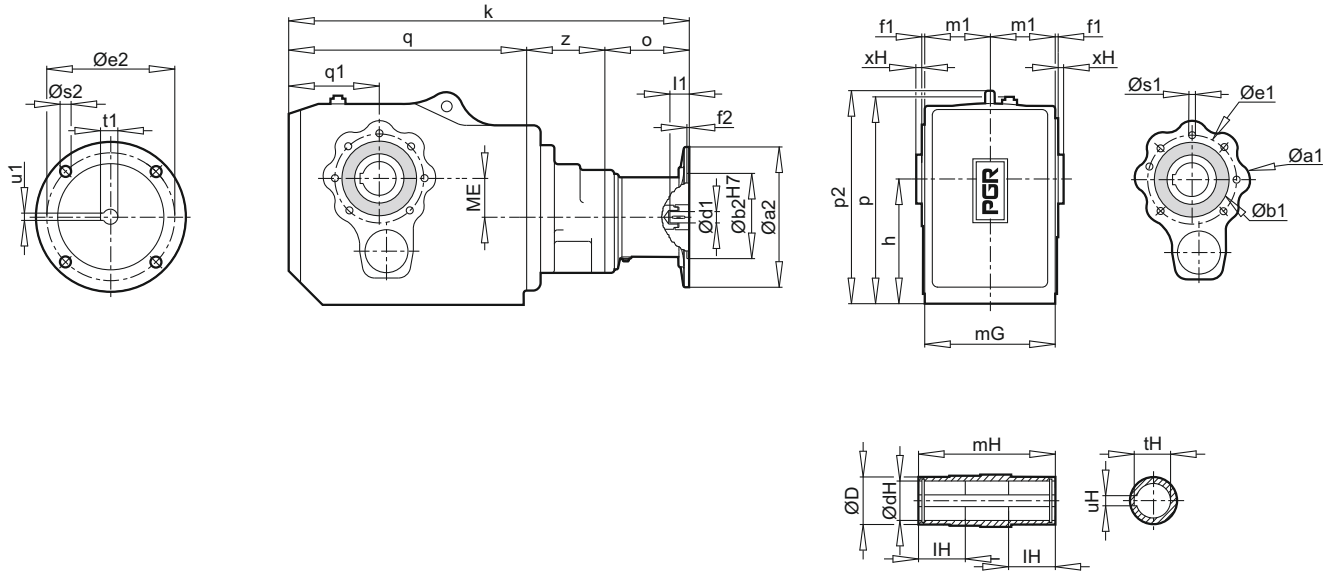
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90

# ÜÇ KADEME TRIPLE REDUCTION



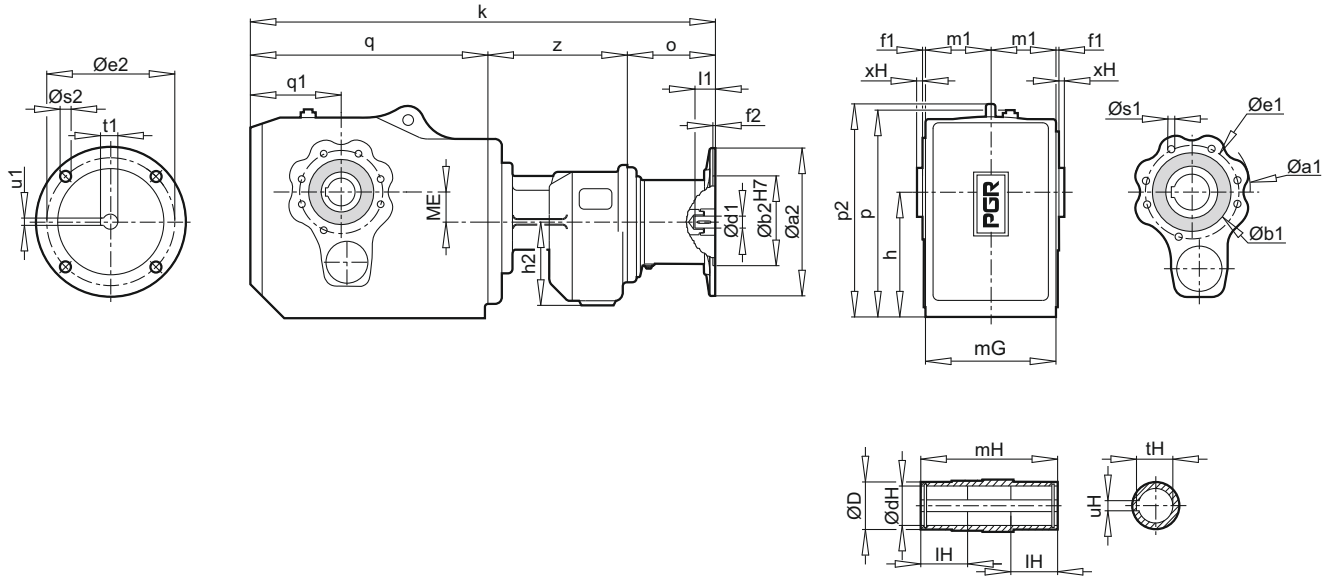
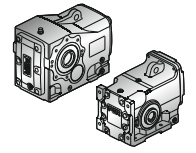
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions					
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p	q	q1	ME	Ds	D	dH	IB	xH		
											p2				Hs	D1	IH		mH	xH2	
<b>PKD 9390</b> - IEC 132 <b>DG/KS-B14</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	450	350	400	7	M20x30	500	1080	288	590	177	817	903	310	100	330	200	150	100	710	10	
											266	928			86	185		98		110	
													919								
<b>PKD G 9390</b> - IEC 132 <b>DG/KS-B14</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	550	450	500	6.5	M24x36	600	1139	320	640	177	970	962	344	112	386	200	155/160	129	804	10.5	
											1000				142.5	195		95		153	
													965								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48	
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65	
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65	
<b>250</b>	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90	
<b>280</b>	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90	
<b>315</b>	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90	



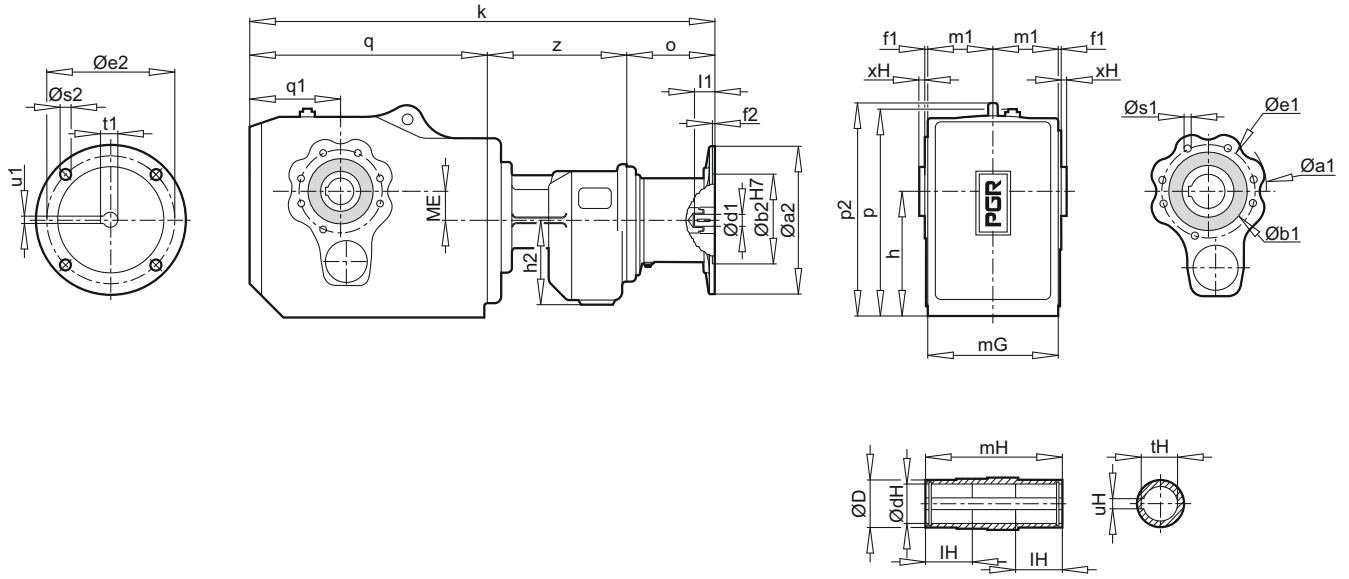
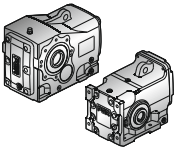
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a1	b1	e1	f1	s1	h	k	m1	mG	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH	xH
<b>PKD 1490</b> - IEC 63 <b>DG/B14</b> - IEC 71 <b>+ IEC</b>	140	95	115	3	M8x13	112	393	68	144	85	198	250	82	58	40	35	38.3	50	3
							397			89	232					50	10	148	
<b>PKD G 1490</b> - IEC 63 <b>DG/B14</b> - IEC 71 <b>+ IEC</b>	140	95	115	3	M8x13	112	393	68	144	85	198	250	82	58	40	40	42.2	50	3
							397			89	232					50	12	148	
<b>PKD 2490</b> - IEC 63 <b>DG/B14</b> - IEC 71 <b>+ IEC</b>	160	110	130	4	M8x13	143	436	82	164	85	244	293	102	58	44	40	43.3	60	4
							440			89	278					55	12	180	
<b>PKD 3490</b> - IEC 63 <b>DG/B14</b> - IEC 71 - IEC 80 <b>+ IEC</b> - IEC 90	200	130	165	3	M10x16	180	479	97	200	85	301	334	126	60	74	50	53.8	70	5
							483			89	335					70	14	210	
							499			105									
							499			105									
<b>PKD 4490</b> - IEC 71 <b>DG/B14</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	250	180	215	7	M12x20	217	559	108	250	88	358	402	154	69	97	60	64.4	80	5
							578			107	400					80	18	240	
							578			107									
							595			124									
							595			124									
<b>PKD 5490</b> - IEC 71 <b>DG/B14</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	300	230	265	4	M12x20	262	644	141	290	88	429	487	185	69	117	70	74.9	100	5
							663			107	479					100	20	300	
							663			107									
							680			124									
							680			124									

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a1	b1	e1	f1	s1	h h2	k	m1	mG	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH	xH
<b>PKD 6390/32</b> - IEC 71 - IEC 80 - IEC 90 <b>DG/B14</b> - IEC 100 <b>+ IEC</b> - IEC 112 - IEC 132	350	250	300	5	M16x25	315 159	895 914 914 931 931 963	165	350	88 107 107 124 124 156	510 566	570	218	237	50.7	80 110	85.4 22	120 350	5
<b>PKD 6390/42</b> - IEC 90 - IEC 100 - IEC 112 <b>DG/B14</b> - IEC 132 <b>+ IEC</b> - IEC 160	350	250	300	5	M16x25	315 179	958 982 982 1039 1043	165	350	109 133 133 190 194	510 566	570	218	279	50.7	80 110	85.4 22	120 350	5
<b>PKD 7390/32</b> - IEC 71 - IEC 80 - IEC 90 <b>DG/B14</b> - IEC 100 <b>+ IEC</b> - IEC 112 - IEC 132	350	250	300	5	M16x25	315 159	895 914 914 931 931 963	165	350	88 107 107 124 124 156	511 564	570	218	237	55.7	90 120	95.4 25	120 350	5
<b>PKD 7390/42</b> - IEC 90 - IEC 100 - IEC 112 <b>DG/B14</b> - IEC 132 <b>+ IEC</b> - IEC 160	350	250	300	5	M16x25	315 179	958 982 982 1039 1043	165	350	109 133 133 190 194	511 564	570	218	279	55.7	90 120	95.4 25	120 350	5

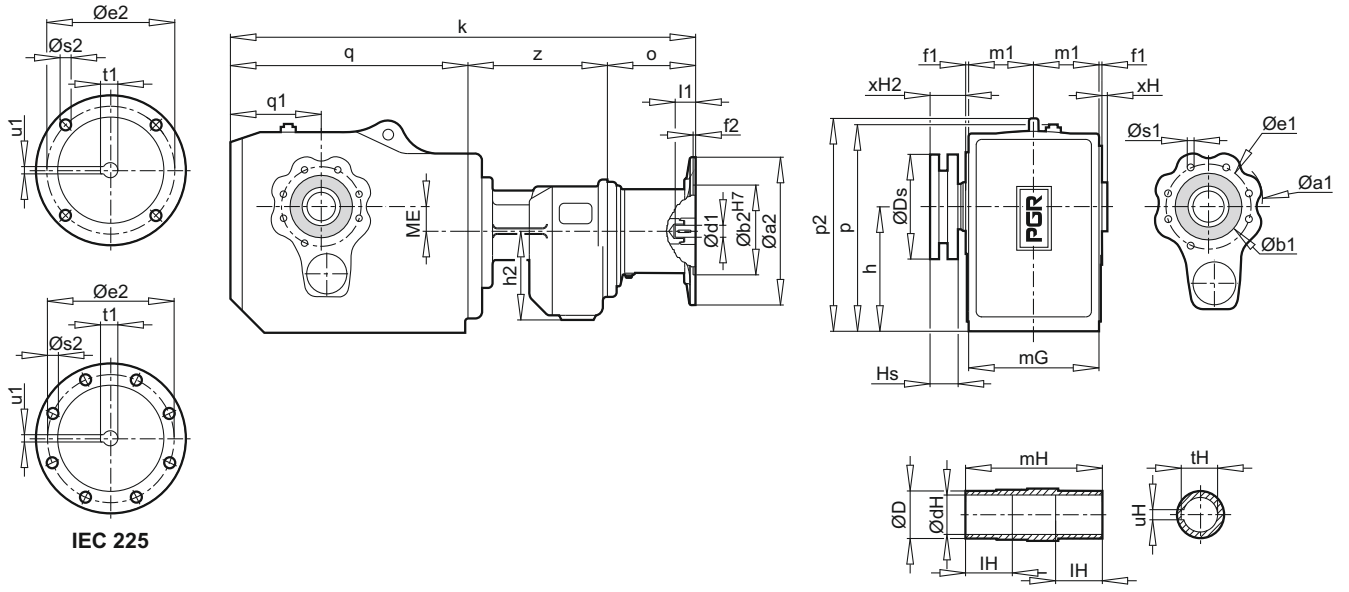
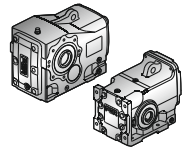
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a1	b1	e1	f1	s1	h h2	k	m1	mG	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH	xH
<b>PKD 8390/42</b> - IEC 90 - IEC 100 <b>DG/B14</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160	400	300	350	7	M16x25	375 179	1112 1136	195	450	109 133	620 714	722	240	281	52	110 140	116.4 28	140 420	8
<b>PKD 8390/52</b> - IEC 100 - IEC 112 <b>DG/B14</b> - IEC 132 - IEC 160 <b>+ IEC</b> - IEC 180	400	300	350	7	M16x25	375 218	1175 1175	195	450	133 133	620 714	722	240	320	52	110 140	116.4 28	140 420	8
<b>PKD G8390/52</b> - IEC 90 - IEC 100 - IEC 112 <b>DG/B14</b> - IEC 132 <b>+ IEC</b> - IEC 160 - IEC 180	450	350	400	7	M20x30	450 218	1177 1201	235	486	109 133	722 832	748	265	320	89	120 160	127.4 32	160 500	8

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	



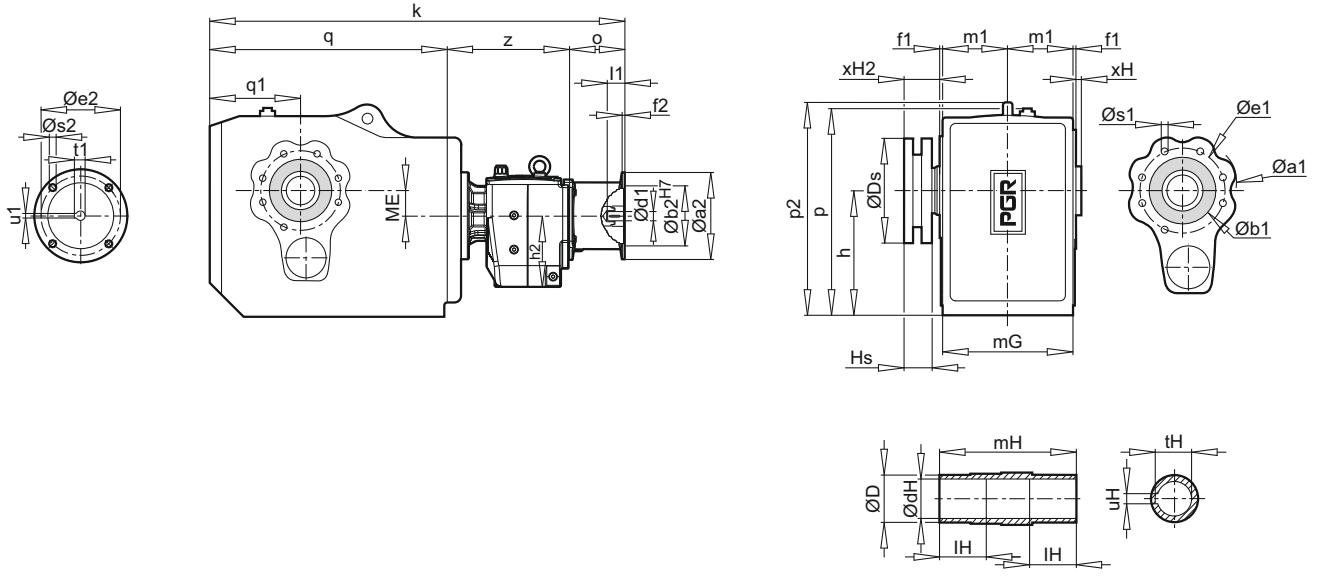
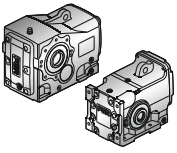


IEC 225

Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions						
	a1	b1	e1	f1	s1	h h2	k	m1	mG	o	p p2	q	q1	z	ME	Ds Hs	D D1	dH	IB IH	mH xH2	xH	
<b>PKD 9390/52</b> <b>DG/KS-B14</b> <b>+ IEC</b>	- IEC 90	450	350	400	7	M20x30	500	1321	288	590	109	817	892	310	320	100	330	200	150	100	710	10
	- IEC 100						218	1345			133	928					86	185		98	110	
	- IEC 112							1345			133											
	- IEC 132							1402			190											
	- IEC 160							1406			194											
- IEC 180							1406			194												
<b>PKD G 9390/62</b> <b>DG/KS-B14</b> <b>+ IEC</b>	- IEC 100	550	450	500	6.5	M24x36	600	1491	320	653	127	970	962	344	402	112	386	200	155/160	129	804	10.5
	- IEC 112						245	1491			127	1000					130	195		95	160	
	- IEC 132							1541			177											
	- IEC 160							1630			266											
	- IEC 180							1630			266											
- IEC 200							1593			229												
- IEC 225							1667			303												

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65	
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65	

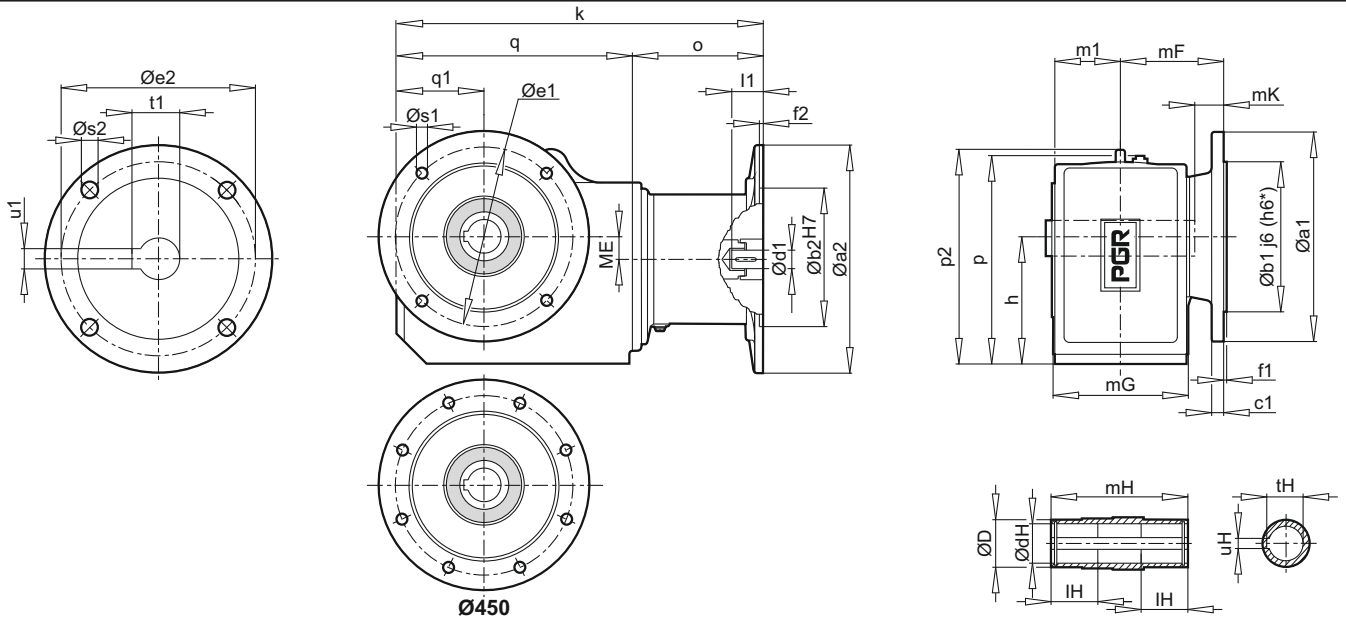
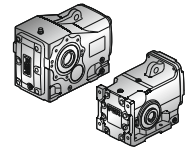
# PKD G9390/62 IEC 160 ve 180'de R-48 kaplin kullanılmaktadır.



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)					Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions							
	a1	b1	e1	f1	s1	h h2	k	m1	mG	o	p p2	q	q1	z	ME	Ds Hs	D D1	dH	IB IH	mH xH2	xH xH2
<b>PKD</b> - IEC 90	550	450	500	6.5	M24x36	600	1447	320	653	109	970	962	344	376	112	386	200	155/160	129	804	10.5
<b>G 9390/63</b> - IEC 100						245	1471			133	1000					130	195		95	160	
<b>DG/KS-B14</b> - IEC 112							1471			133											
<b>+ IEC</b> - IEC 132							1528			190											
- IEC 160							1532			194											
- IEC 180							1532			194											

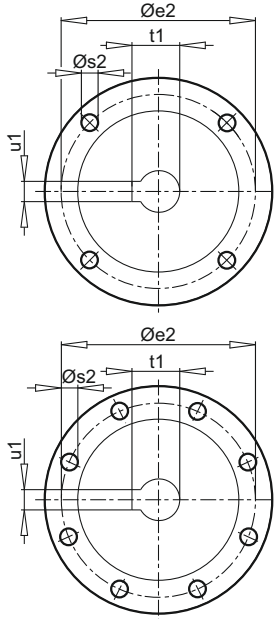
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42	
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48	

# PKD G9390/62 IEC 160 ve 180'de R-48 kaplin kullanılmaktadır.

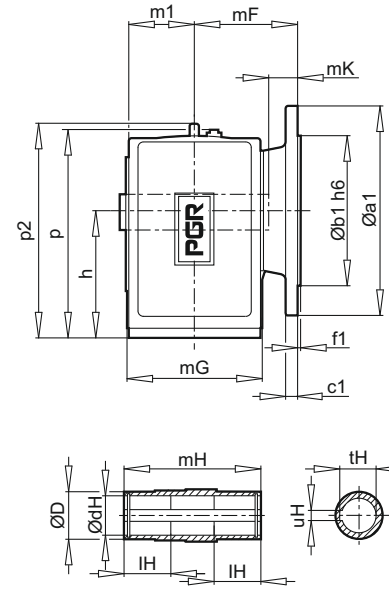
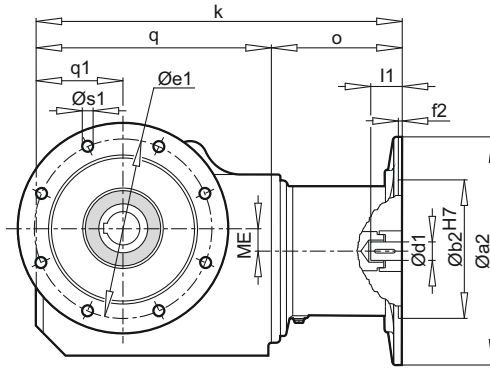


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	dH D	tH uH	IH mH	
<b>PKD 1390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	200	130	12	165	3.5	4x11	112	335	68	39	85	198	250	82	10	35	38.3	50
<b>PKD G 1390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	200	130	12	165	3.5	4x11	112	335	68	39	85	198	250	82	10	40	42.2	50
<b>PKD 2390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	250	180	16	215	4	4x14	143	378	82	44	85	244	293	102	14	40	43.3	60
<b>PKD 3390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	250 300	180 230	16 20	215 265	4	4x14	180	422 441 441	97 150 200	45	88 107 107	301 335	334	126	24	50 70	53.8 14	70 210
<b>PKD 4390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160	350	250*	20	300	5	4x18	217	511 535 535	108 165 250	45	109 133 133	358 400	402	154	36	60 80	64.4 18	80 240
<b>PKD 5390</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	400 450	300* 350*	20 22	350 400	5	4x18 8x18	262	596 620 620	141 201 290	51	109 133 133	429 479	487	185	41	70 100	74.9 20	100 300

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48



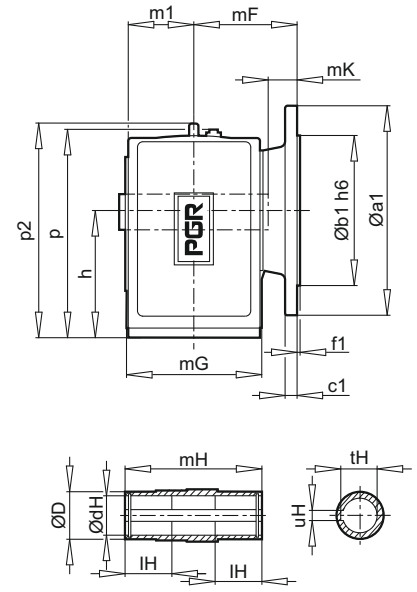
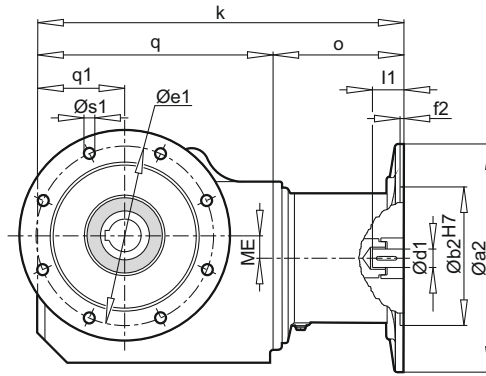
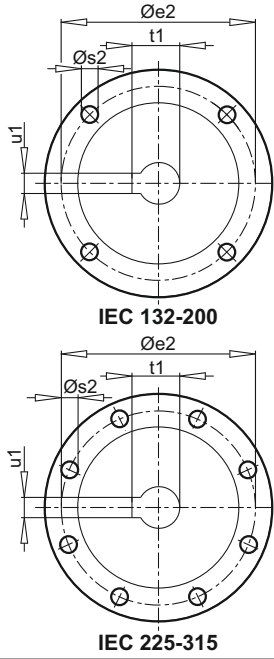
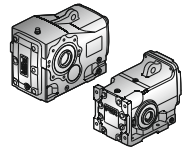
IEC 225



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions									Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	dH D	tH uH	IH mH	
<b>PKD 6390</b> - IEC 100 <b>DG/B5</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	450	350	22	400	5	8x18	315	697	165	52	127	510	570	218	50.7	80	85.4	120	
	550	450	28	500	5	8x18		697	227		127	566				110	22	350	
									747	350		177							
									836			266							
									836			266							
									799			229							
								873			303								
<b>PKD 7390</b> - IEC 100 <b>DG/B5</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	450	350	22	400	5	8x18	315	697	165	52	127	511	570	218	55.7	80	85.4	120	
	550	450	28	500	5	8x18		697	227		127	564				120	22	350	
									747	350		177							
									836			266							
									836			266							
									799			229							
								873			303								
<b>PKD 7390</b> - IEC 100 <b>DG/B5</b> - IEC 112 <b>+ IEC</b> - IEC 132 - IEC 160 - IEC 180 - IEC 200 - IEC 225	450	350	22	400	5	8x18	315	697	165	52	127	511	570	218	55.7	90	95.4	120	
	550	450	28	500	5	8x18		697	227		127	564				120	25	350	
									747	350		177							
									836			266							
									836			266							
									799			229							
								873			303								

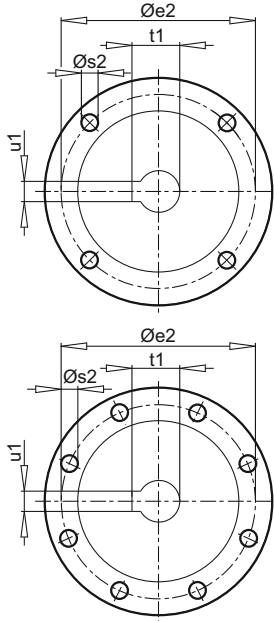
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65

# ÜÇ KADEME TRIPLE REDUCTION

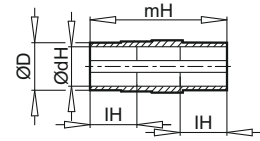
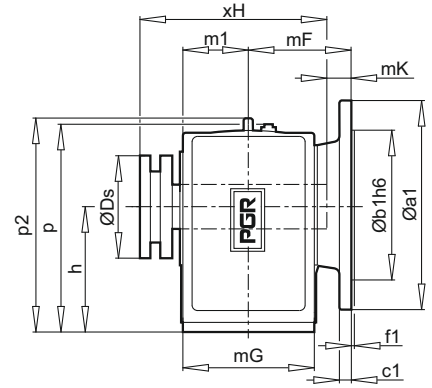
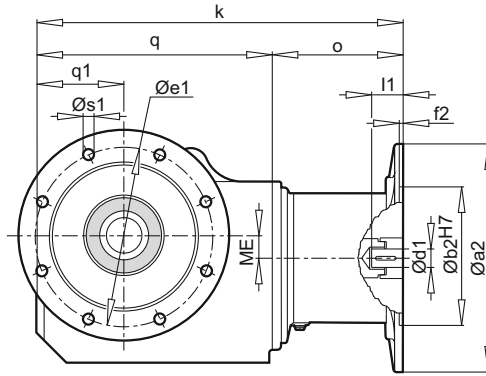


Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions								Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	dH D	tH uH	IH mH	
<b>PKD 8390</b> - IEC 132 <b>DG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	550	450	28	500	5	8x18	375	919	195	47	177	620	742	240	52	110	116.4	140	
								1008	257		266	714				140	28	420	
								1008	450		266								
								971			229								
								1045			303								
								1025			303	722							
								1025			303								
								1131			381	750							
<b>PKD G 8390</b> - IEC 132 <b>DG/B5</b> - IEC 160 <b>+ IEC</b> - IEC 180 - IEC 200 - IEC 225 - IEC 250 - IEC 280 - IEC 315	660	550	32	600	6	8x22	450	945	235	65	177	722	768	265	89	120	127.4	160	
								1034	315		266	832				160	32	500	
								1034	486		266								
								997			229								
								1071			303								
								1051			303	748							
								1051			303								
								1157			381	776							

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48	
180	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48	
200	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65	
225	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65	
250	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90	
280	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90	
315	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90	



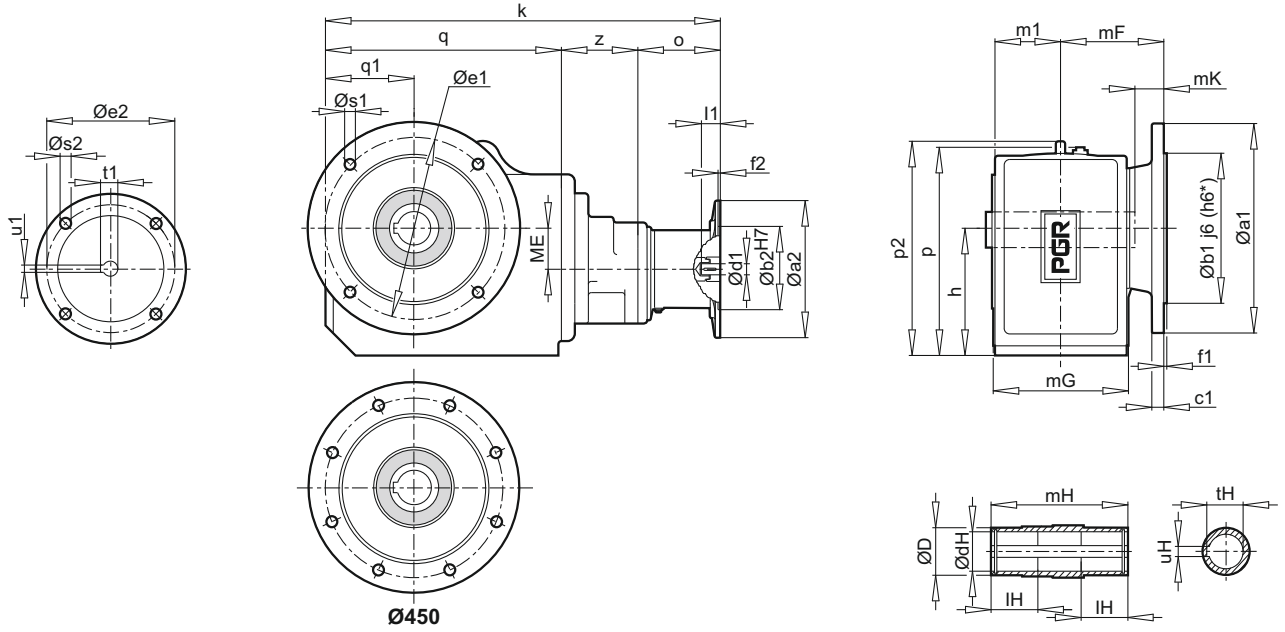
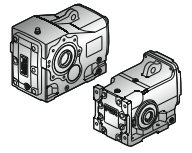
IEC 225-315



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions											Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	ME	Ds	xH	dH D	D1	IH IB	mH	
<b>PKD 9390 - IEC 132</b> <b>DG/KS - B5</b> <b>+ IEC</b>	- IEC 132	660	550	32	600	6	8x22	500	1080	288	63	177	817	903	310	100	335	710	150	200	98	710
	- IEC 160							1169	368	266	928							185		100		
	- IEC 180							1169	590	266												
	- IEC 200							1132		229												
	- IEC 225							1206		303												
	- IEC 250							1222		303		919										
	- IEC 280							1222		303												
	- IEC 315							1273		381		892										
<b>PKD G 9390 - IEC 132</b> <b>DG/KS - B5</b> <b>+ IEC</b>	- IEC 132	660	550	32	600	6	8x22	600	1139	320	73	177	970	962	344	112	386	804	155/160	195	95	804
	- IEC 160							1228	410	266	1000								200		129	
	- IEC 180							1228	653	266												
	- IEC 200							1191		229												
	- IEC 225							1265		303												
	- IEC 250							1279		303		965										
	- IEC 280							1279		303												
	- IEC 315							1357		381												

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38	
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	-	R - 48	
180	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	R - 48	
200	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65	
225	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65	
250	550	450	500	6.0	M16	65	140	69.4	18	A 18x11x100	-	R - 90	
280	550	450	500	6.0	M16	75	140	79.9	20	A 20x12x110	-	R - 90	
315	660	550	600	7.0	M20	80	170	85.4	22	A 22x14x130	-	R - 90	

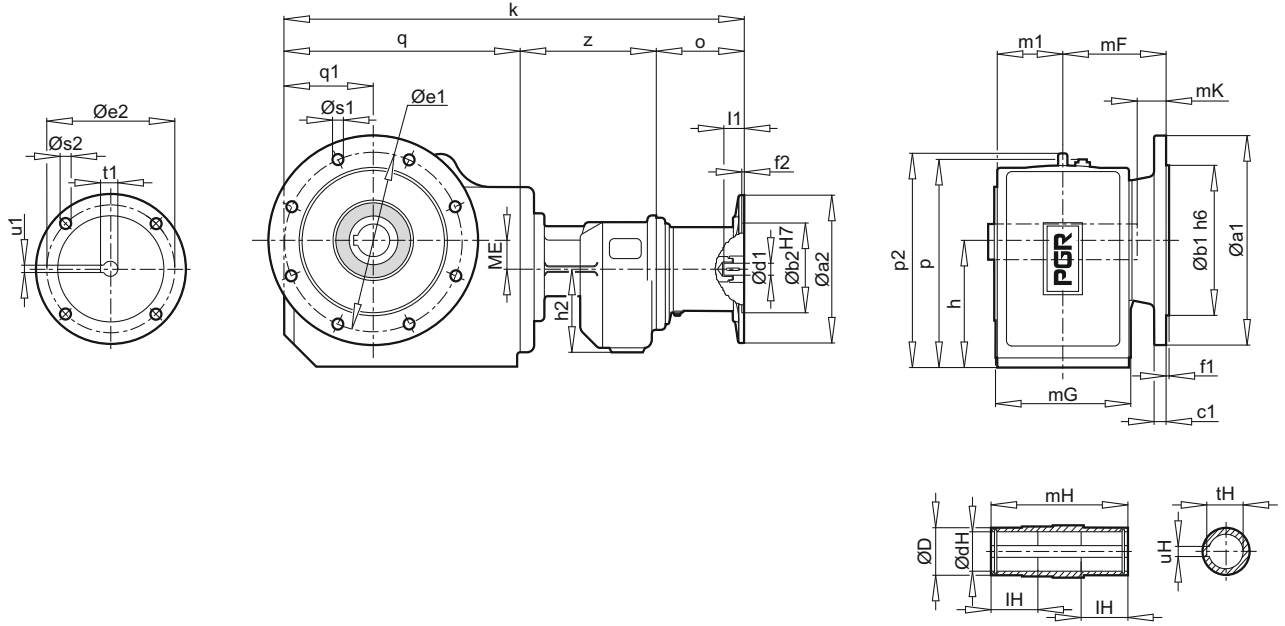
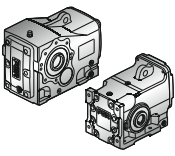
**DÖRT KADEME**  
**QUADRUPLE REDUCTION**



Ø450

Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions		
	a1	b1	c1	e1	f1	s1	h	k	m1 mF mG	mK	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH
<b>PKD 1490</b> - IEC 63 <b>DG/B5</b> - IEC 71 <b>+ IEC</b>	200	130	12	165	3.5	4x11	112	393	68 113 144	39	85 89	198 232	250	82	58	40	35 50	38.3 10	50 148
<b>PKD G 1490</b> - IEC 63 <b>DG/B5</b> - IEC 71 <b>+ IEC</b>	200	130	12	165	3.5	4x11	112	393	68 113 144	39	85 89	198 232	250	82	58	40	40 50	42.2 12	50 148
<b>PKD 2490</b> - IEC 63 <b>DG/B5</b> - IEC 71 <b>+ IEC</b>	250	180	16	215	4	4x14	143	436 440	82 134 164	44	85 89	244 278	293	102	58	44	40 55	43.3 12	60 180
<b>PKD 3490</b> - IEC 63 <b>DG/B5</b> - IEC 71 - IEC 80 <b>+ IEC</b> - IEC 90	250 300	180 230	16 20	215 265	4	4x14 4x14	180	479 483 499 499	97 150 200	45	85 89 105 105	301 335	334	126	60	74	50 70	53.8 14	70 210
<b>PKD 4490</b> - IEC 71 <b>DG/B5</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	350	250*	20	300	5	4x18	217	559 578 578 595 595	108 165 250	45	88 107 107 124 124	358 400	402	154	69	97	60 80	64.4 18	80 240
<b>PKD 5490</b> - IEC 71 <b>DG/B5</b> - IEC 80 - IEC 90 <b>+ IEC</b> - IEC 100 - IEC 112	400 450	300* 350*	20 22	350 400	5	4x18 8x18	262	644 663 663 680 680	141 201 290	51	88 107 107 124 124	429 479	487	185	69	117	70 100	74.9 20	100 300

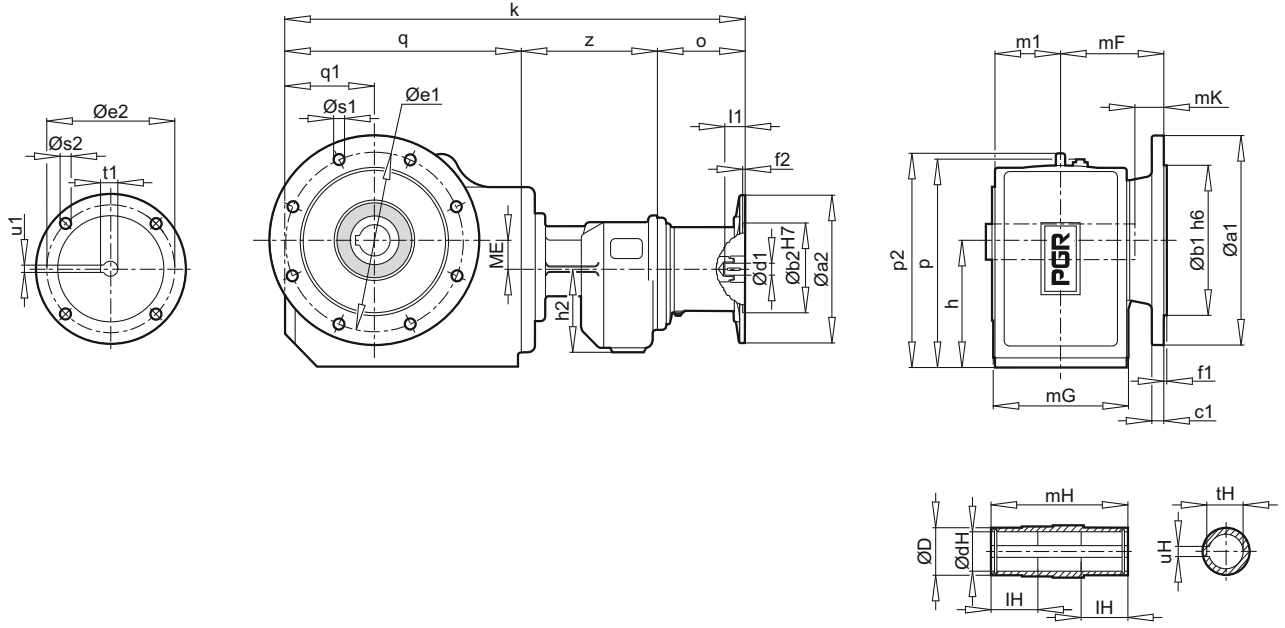
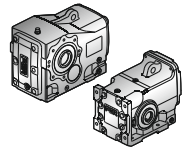
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions										Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1	Çiftel		KTR	
<b>63</b>	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14	
<b>71</b>	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14	
<b>80</b>	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24	
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24	
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28	



Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h h2	k	m1 mF mG	mK	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH	
PKD 6390/32 DG/B5 + IEC	- IEC 71	450	350	22	400	5	8x18	315	895	165	52	88	510	570	218	237	50.7	80	85.4	120
	- IEC 80	550	450	28	500	5	8x18	159	914	227	107	566					110	22	350	
	- IEC 90								914	350	107									
	- IEC 100								931		124									
	- IEC 112								931		124									
- IEC 132								963		156										
PKD 6390/42 DG/B5 + IEC	- IEC 90	450	350	22	400	5	8x18	315	958	165	52	109	510	570	218	279	50.7	80	85.4	120
	- IEC 100	550	450	28	500	5	8x18	179	982	227	133	566					110	22	350	
	- IEC 112								982	350	133									
	- IEC 132								1039		190									
	- IEC 160								1043		194									
PKD 7390/32 DG/B5 + IEC	- IEC 71	450	350	22	400	5	8x18	315	895	165	52	88	511	570	218	237	55.7	80	85.4	120
	- IEC 80	550	450	28	500	5	8x18	159	914	227	107	564					120	22	350	
	- IEC 90								914	350	107									
	- IEC 100								931		124									
	- IEC 112								931		124									
- IEC 132								963		156										
PKD 7390/42 DG/B5 + IEC	- IEC 90	450	350	22	400	5	8x18	315	958	165	52	109	511	570	218	279	55.7	80	85.4	120
	- IEC 100	550	450	28	500	5	8x18	179	982	227	133	564					120	22	350	
	- IEC 112								982	350	133									
	- IEC 132								1039		190									
	- IEC 160								1043		194									
PKD 7390/32 DG/B5 + IEC	- IEC 71	450	350	22	400	5	8x18	315	895	165	52	88	511	570	218	237	55.7	90	95.4	120
	- IEC 80	550	450	28	500	5	8x18	159	914	227	107	564					120	25	350	
	- IEC 90								914	350	107									
	- IEC 100								931		124									
	- IEC 112								931		124									
- IEC 132								963		156										
PKD 7390/42 DG/B5 + IEC	- IEC 90	450	350	22	400	5	8x18	315	958	165	52	109	511	570	218	279	55.7	90	95.4	120
	- IEC 100	550	450	28	500	5	8x18	179	982	227	133	564					120	25	350	
	- IEC 112								982	350	133									
	- IEC 132								1039		190									
	- IEC 160								1043		194									

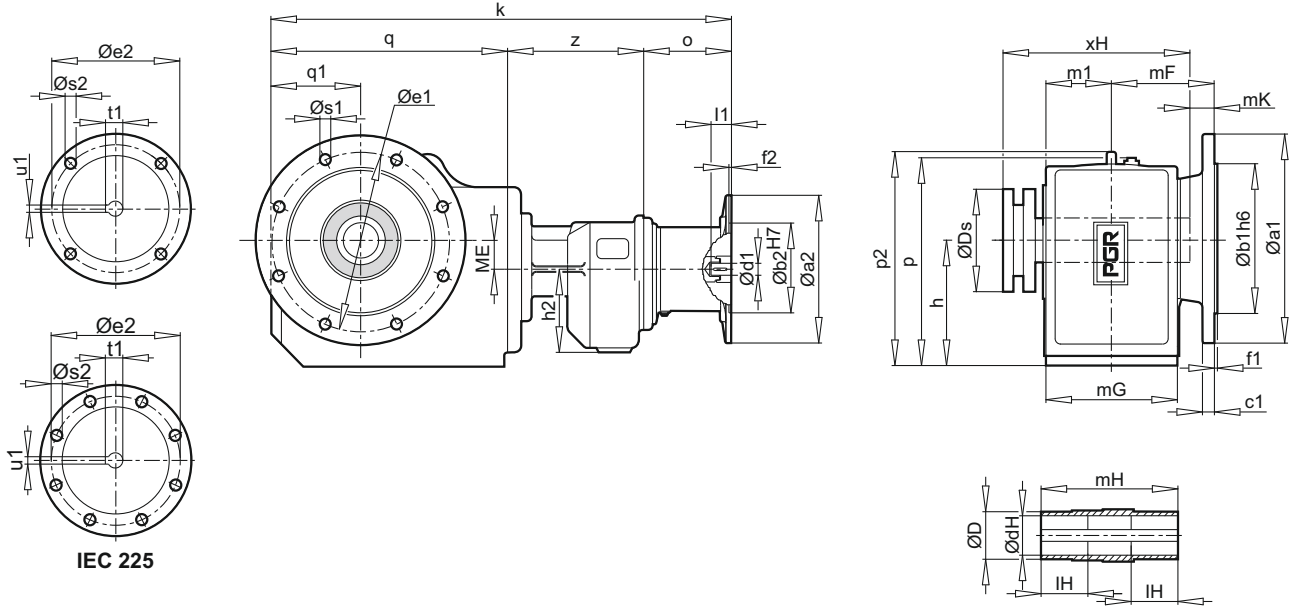
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42





Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions										Şaft Ölçüleri Shaft Dimensions		
	a1	b1	c1	e1	f1	s1	h h2	k	m1 mF mG	mK	o	p p2	q	q1	z	ME	dH D	tH uH	IH mH
<b>PKD 8390/42</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160	550	450	28	500	5	8x18	375 179	1112 1136 1136 1193 1197	195 257 450	47 133 133 190 194	109 620 714	722	240	281	52	110 140	116.4 28	140 420
<b>PKD 8390/52</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	550	450	28	500	5	8X18	375 218	1175 1175 1232 1236 1236	195 257 450	47 133 190 194 194	620 714	722	240	320	52	110 140	116.4 28	140 420
<b>PKD G8390/52</b> <b>DG/B5</b> <b>+ IEC</b>	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160 - IEC 180	660	550	32	600	6	8X22	450 218	1177 1201 1201 1258 1262	235 315 486	65 133 133 190 194 194	109 722 832	748	265	320	89	120 160	127.4 32	160 500

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48

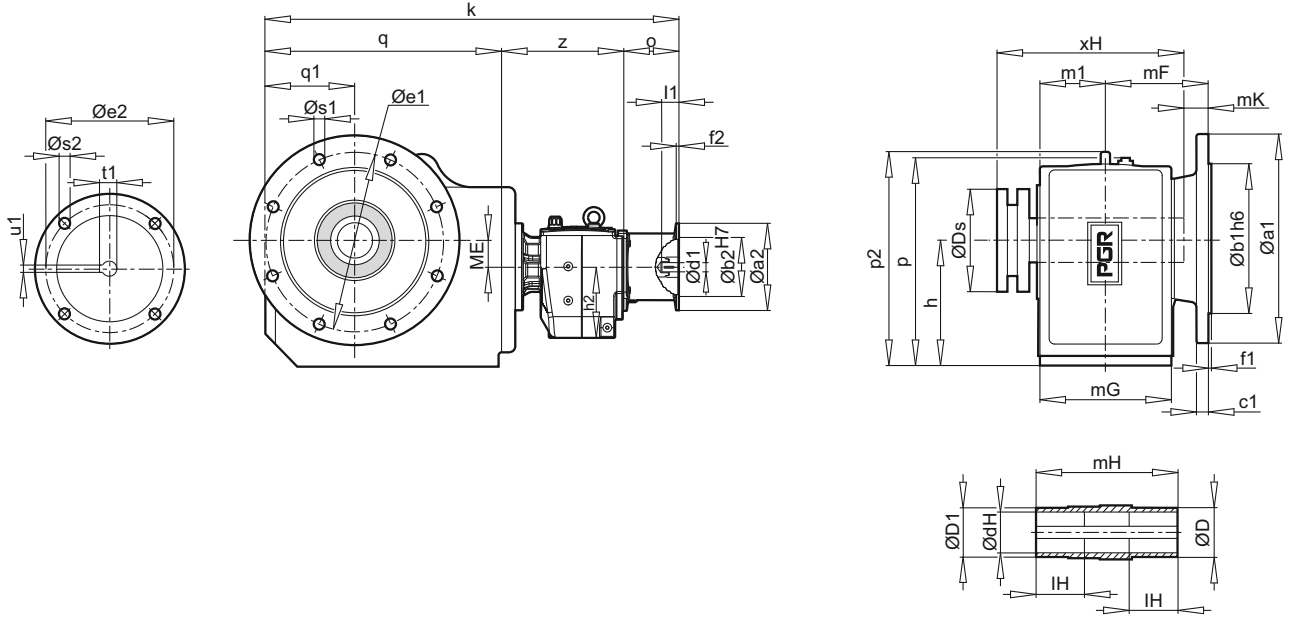
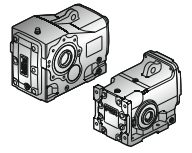


IEC 225

Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions											Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h h2	k	m1 mF mG	mK	o	p p2	q	q1	z	ME	Ds	xH	dH D	D1	IH IB	mH
<b>PKD 9390/52</b> - IEC 90 - IEC 100 - IEC 112 <b>DG/KS - B5</b> - IEC 132 <b>+ IEC</b> - IEC 160 - IEC 180	660	550	32	600	6	8x22	500 218	1321 1345 1345	288 368 590	63	109 133	817 928	892	310	320	100	335	710	150 185	200	98 100	710
<b>PKD G 9390/62</b> - IEC 100 - IEC 112 - IEC 132 <b>DG/KS - B5#</b> - IEC 160 <b>+ IEC</b> #- IEC 180 - IEC 200 - IEC 225	660	550	32	600	6	8x22	600 245	1505 1505 1555	320 410 653	73	127 127	970 1000	976	344	402	112	386	804	155/160 200	195	95 129	804

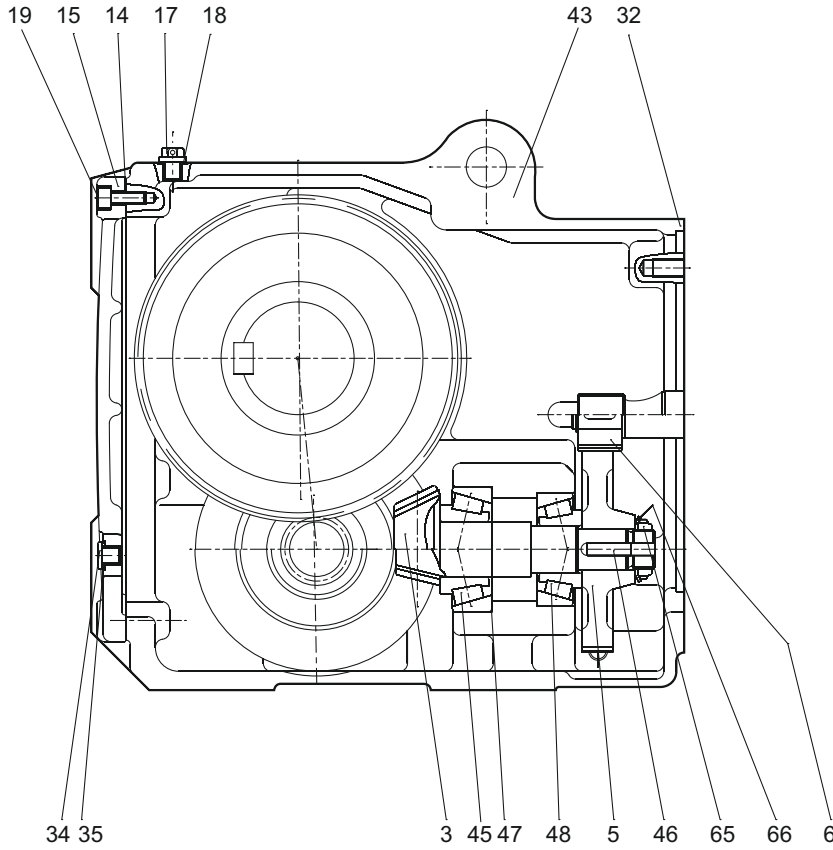
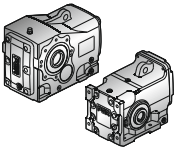
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	DK - 48	BM - 48
<b>200</b>	400	300	350	6.0	M16	55	110	59.3	16	A 16x10x95	-	R - 65
<b>225</b>	450	350	400	6.0	M16	60	140	64.4	18	A 18x11x100	-	R - 65

# PKD G9390/62 IEC 160 ve 180'de R-48 kaplin kullanılmaktadır.



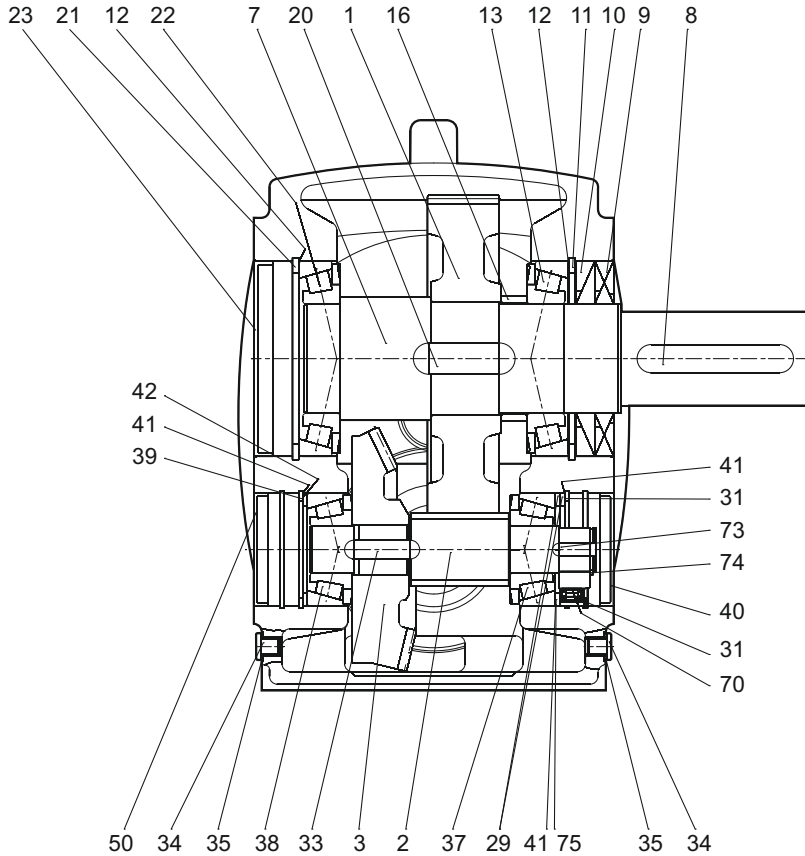
Tip Type	Montaj ölçüleri (Flanş) Mounting dimensions (Flange)						Ana ölçüler Outline dimensions											Şaft Ölçüleri Shaft Dimensions				
	a1	b1	c1	e1	f1	s1	h	k	m1	mK	o	p	q	q1	z	ME	Ds	xH	dH	D1	IH	mH
							h2		mF	mG		p2							D	IB		
<b>PKD</b> - IEC 90	660	550	32	600	6	8x22	600	1450	320	73	109	970	965	344	376	112	386	804	155/160	195	95	804
<b>G 9390/63</b> - IEC 100							245	1474	410		133	1095							200		129	
<b>DG/KS - B5</b> - IEC 112								1474	653		133											
<b>+ IEC</b> - IEC 132								1531			190											
- IEC 160								1535			194											
- IEC 180								1535			194											

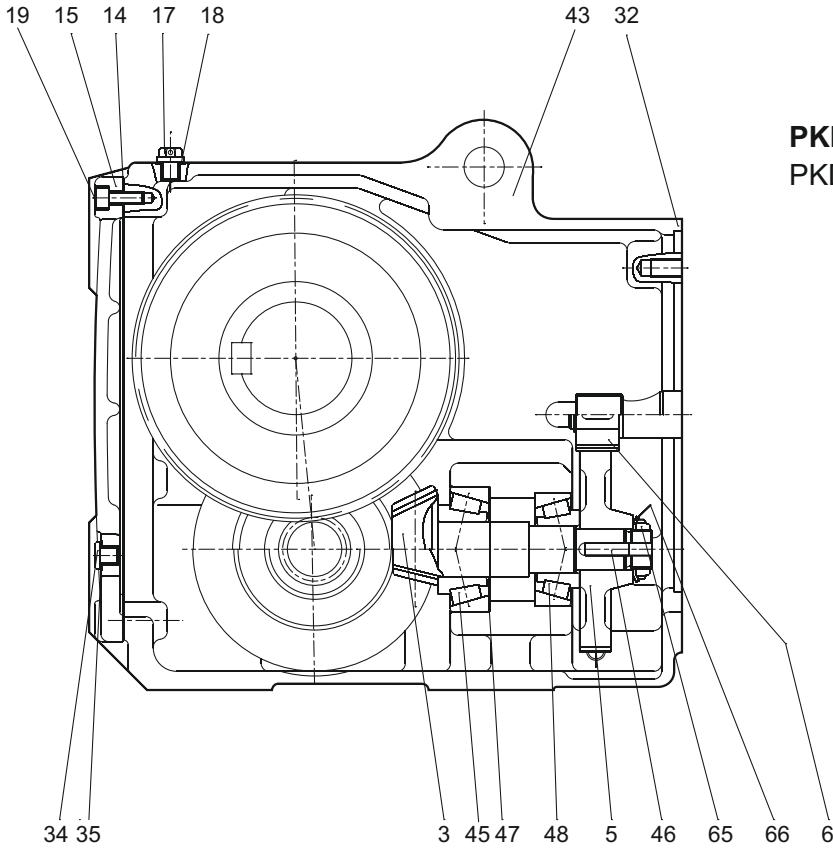
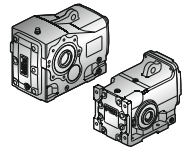
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplın Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
<b>90</b>	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
<b>100</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>112</b>	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
<b>132</b>	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
<b>160</b>	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42
<b>180</b>	350	250	300	6.0	M16	48	110	51.8	14	A 14x9x80	-	BM - 48



**PKD 1390 - 9390 AYAK MONTAJLI**  
**PKD 1390 - 9390 FOOT MOUNTED**

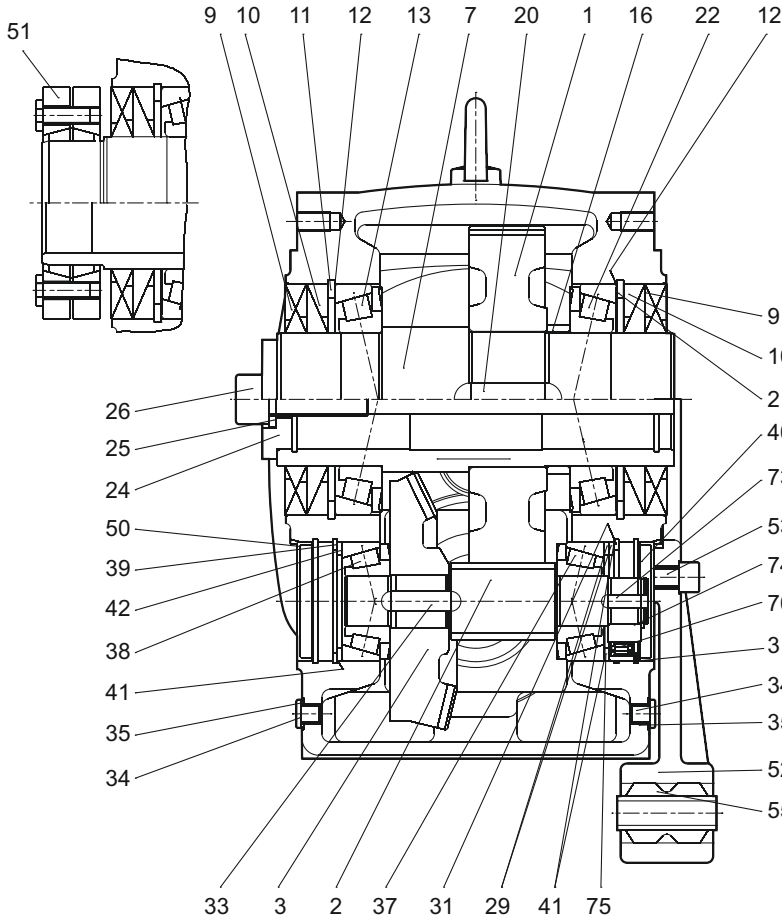
1	Z6 Dişlisi	Output gear
2	Z5 Dişlisi	Output pinion shaft
3	Ayna - Mahrutu	Bevel gear set
5	Z2 Dişlisi	Driving gear
6	Z1 Dişlisi	Driving pinion gear
7	Çıkış mili	Solid shaft
8	Çıkış mili kaması	Solid shaft key
9	Çıkış mili keçesi	Shaft seal
10	Çıkış mili keçesi	Shaft seal
11	Segman	Circlip
12	Layner	Shim
13	Konik rulman	Taper roller bearing
14	Conta	Gasket
15	Gövde kapağı	Gear case cover
16	Burç	Spacer
17	Havalandırma tapası	Vent screw
18	Rondela	Washer
19	Alyan başlı civata	Socket head screw
20	Kama	Key
21	Segman	Circlip
22	Konik rulman	Taper roller bearing
23	Yağ kapağı	Oil filler cup
29	Rondela	Supporting disc
31	Segman	Circlip
32	Conta	Gasket
33	Kama	Key
34	Yağ tapası	Drain plug
35	Rondela	Washer
37	Konik rulman	Taper roller bearing
38	Konik rulman	Taper roller bearing
39	Segman	Circlip
40	Yağ kapağı	Oil filler cup
41	Layner	Shim
42	Rondela	Supporting disc
43	Gövde	Gear case
45	Konik rulman	Taper roller bearing
46	Kama	Key
47	Layner	Shim
48	Konik rulman	Taper roller bearing
50	Yağ kapağı	Oil filler cup
65	Yarıklı somun	Slotted round nut
66	Tırnaklı rondela	Tab washer
70	Kilit	Backstop
73	Kama	Key
74	Segman	Circlip
75	Rondela	Supporting disc

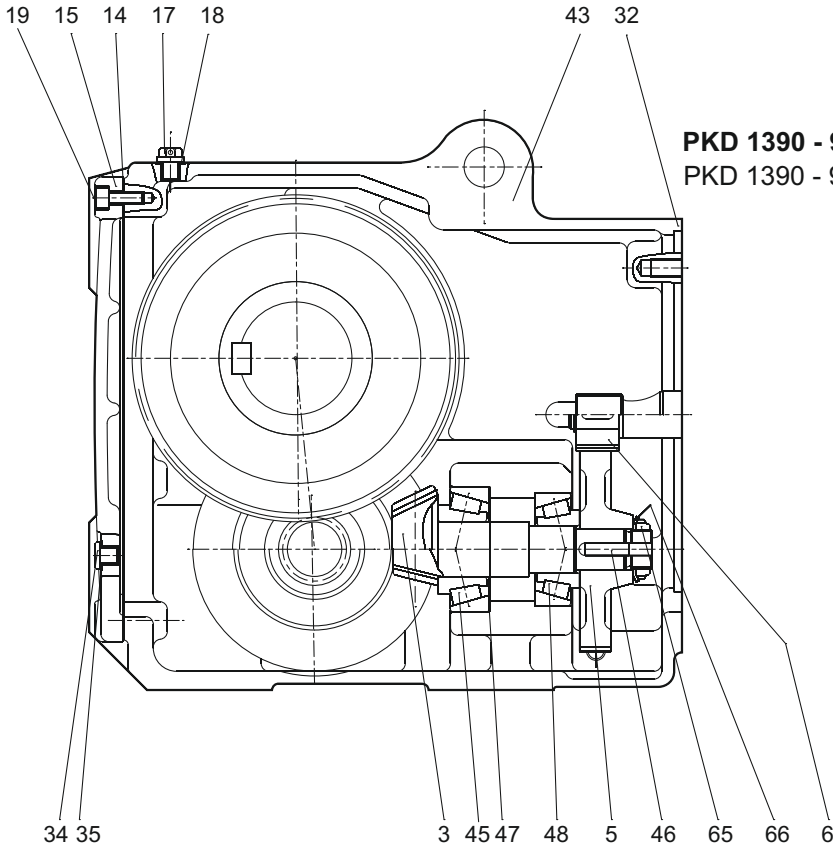
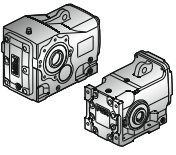




**PKD 1390 - 9390 GÖVDEDEN MONTAJLI**  
**PKD 1390 - 9390 CASE MOUNTED**

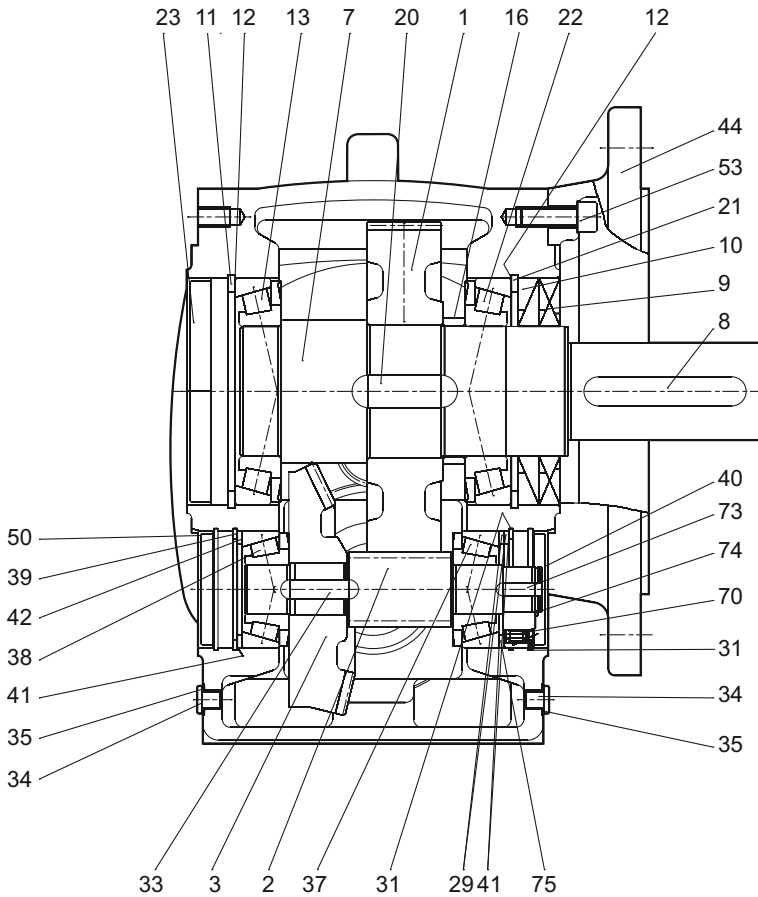
1	Z6 Dişlisi	Output gear
2	Z5 Dişlisi	Output pinion shaft
3	Ayna - Mahruti	Bevel gear set
5	Z2 Dişlisi	Driving gear
6	Z1 Dişlisi	Driving pinion gear
7	Çıkış şaftı	Hollow shaft
9	Çıkış şaftı keçesi	Shaft seal
10	Çıkış şaftı keçesi	Shaft seal
11	Segman	Circlip
12	Layner	Shim
13	Konik rulman	Taper roller bearing
14	Conta	Gasket
15	Gövde kapağı	Gear case cover
16	Burç	Spacer
17	Havalandırma tapası	Vent screw
18	Rondela	Washer
19	Alyan başlı civata	Socket head screw
20	Kama	Key
21	Segman	Circlip
22	Konik rulman	Taper roller bearing
24	Rondela	Washer
25	Yaylı rondela	Spring washer
26	Alyan başlı civata	Socket head screw
29	Rondela	Supporting disc
31	Segman	Circlip
32	Conta	Gasket
33	Kama	Key
34	Yağ tapası	Drain plug
35	Rondela	Washer
37	Konik rulman	Taper roller bearing
38	Konik rulman	Taper roller bearing
39	Segman	Circlip
40	Yağ kapağı	Oil filler cup
41	Layner	Shim
42	Rondela	Supporting disc
43	Gövde	Gear case
45	Konik rulman	Taper roller bearing
46	Kama	Key
47	Layner	Shim
48	Konik rulman	Taper roller bearing
50	Yağ kapağı	Oil filler cup
51	Konik Sıkırtma	Shrink disc connector
52	Tork kolu	Torque arm
53	Alyan başlı civata	Socket head screw
55	Kauçuk takoz	Rubber buffer
65	Yarıklı somun	Slotted round nut
66	Tırnaklı rondela	Tab washer
70	Kilit	Backstop
73	Kama	Key
74	Segman	Circlip
75	Rondela	Supporting disc

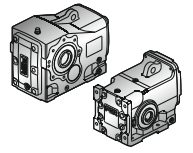




**PKD 1390 - 9390 GÖVDEDEN MONTAJLI, B5 FLANŞLI**  
**PKD 1390 - 9390 CASE MOUNTED, FLANGE B5**

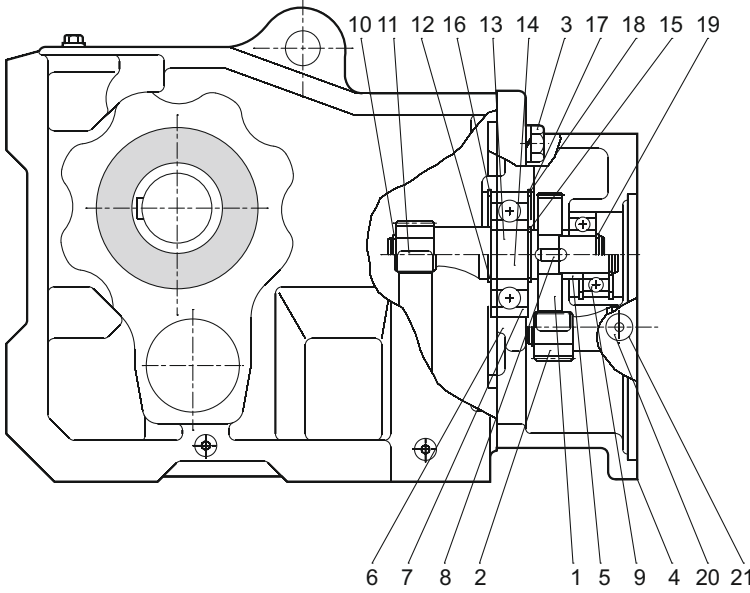
1	Z6 Dişlisi	Output gear
2	Z5 Dişlisi	Output pinion shaft
3	Ayna - Mahruti	Bevel gear set
5	Z2 Dişlisi	Driving gear
6	Z1 Dişlisi	Driving pinion gear
7	Çıkış mili	Solid shaft
8	Çıkış mili kaması	Solid shaft key
9	Çıkış mili keçesi	Shaft seal
10	Çıkış mili keçesi	Shaft seal
11	Segman	Circlip
12	Layner	Shim
13	Konik rulman	Taper roller bearing
14	Conta	Gasket
15	Gövde kapağı	Gear case cover
16	Burç	Spacer
17	Havalandırma tapası	Vent screw
18	Rondela	Washer
19	Alyan başlı civata	Socket head screw
20	Kama	Key
21	Segman	Circlip
22	Konik rulman	Taper roller bearing
23	Yağ kapağı	Oil filler cup
29	Rondela	Supporting disc
31	Segman	Circlip
32	Conta	Gasket
33	Kama	Key
34	Yağ tapası	Drain plug
35	Rondela	Washer
37	Konik rulman	Taper roller bearing
38	Konik rulman	Taper roller bearing
39	Segman	Circlip
40	Yağ kapağı	Oil filler cup
41	Layner	Shim
42	Rondela	Supporting disc
43	Gövde	Gear case
44	Flanş	Flange
45	Konik rulman	Taper roller bearing
46	Kama	Key
47	Layner	Shim
48	Konik rulman	Taper roller bearing
50	Yağ kapağı	Oil filler cup
53	Alyan başlı civata	Socket head screw
65	Yarıklı somun	Slotted round nut
66	Tırnaklı rondela	Tab washer
70	Kilit	Backstop
73	Kama	Key
74	Segman	Circlip
75	Rondela	Supporting disc





**PKD 1490 - 5490**  
**Ayak Montajlı**  
**Gövdeden Montajlı**

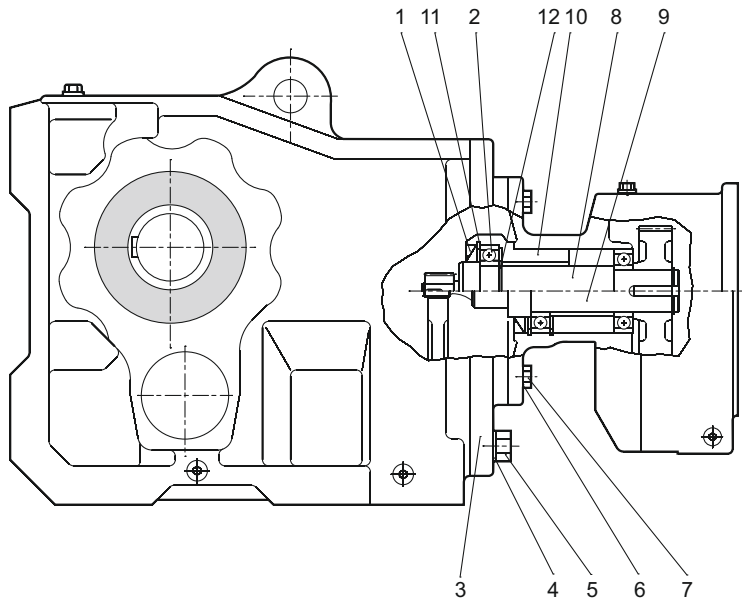
**PKD 1490 - 5490**  
**Foot Mounted**  
**Case Mounted**



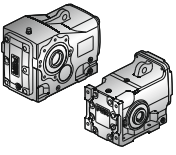
1	Z2 Dişlisi	Input gear
2	Z1 Dişlisi	Input pinion
3	Civata	Bolt
4	Conta	Gasket
5	Rondela	Supporting disc
6	İndirgeyici Gövdesi	Third reduction gearcase
7	Rulman	Ball bearing
8	Kama	Key
9	Rulman	Ball bearing
10	Segman	Circlip
11	Kama	Key
12	Segman	Circlip
13	İndirgeyici mili Çakma	Intermediate Shaft,plain
14	İndirgeyici mili Yekpare	Intermediate Shaft,Gearcut
15	Segman	Circlip
16	Segman	Circlip
17	Layner	Shim
18	Segman	Circlip
19	Segman	Circlip
20	Tapa	Plug
21	Rondela	Washer

**PKD 6390/32 - 9390/52**  
**Ayak Montajlı**  
**Gövdeden Montajlı**

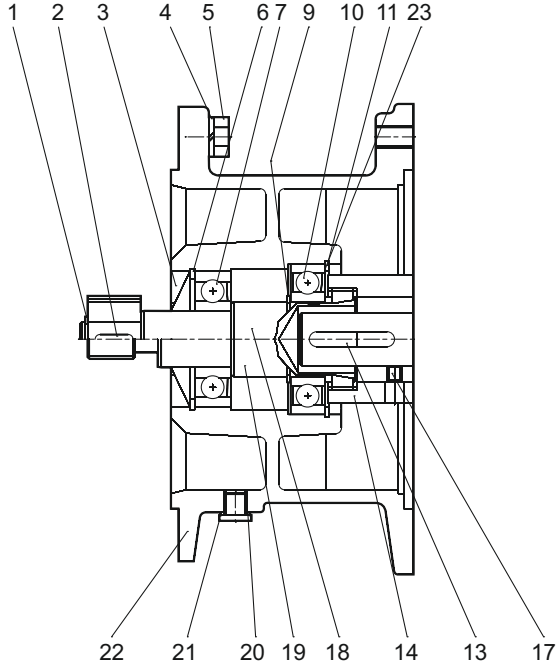
**PKD 6390/32 - 9390/52**  
**Foot Mounted**  
**Case Mounted**



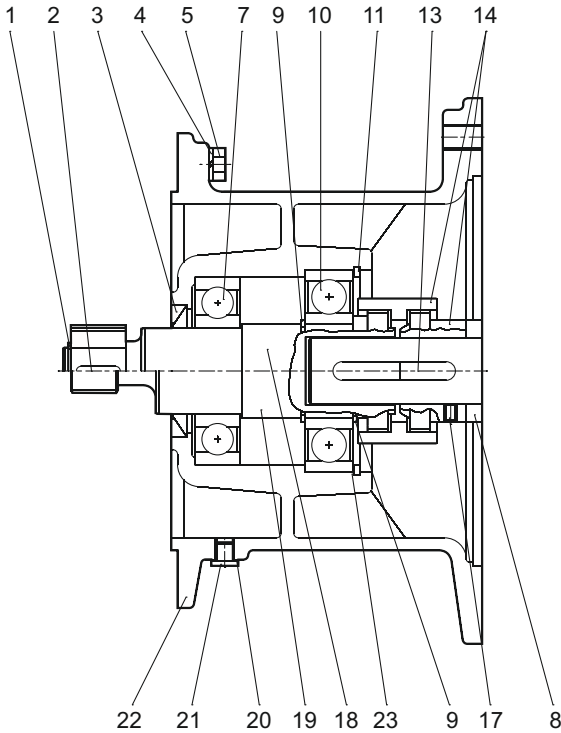
1	Şaft keçesi	Shaft seal
2	Rulman	Ball bearing
3	Ara flanş	Intermediate flange
4	Yaylı rondela	Spring Washer
5	Civata	Bolt
6	Yaylı rondela	Spring Washer
7	Civata	Bolt
8	Ara Mil Çakma	Intermediate shaft, plain
9	Ara Mil Yekpare	Intermediate shaft, gearcut
10	Ara burç	Bearing sleeve
11	Segman	Circlip
12	Segman	Circlip



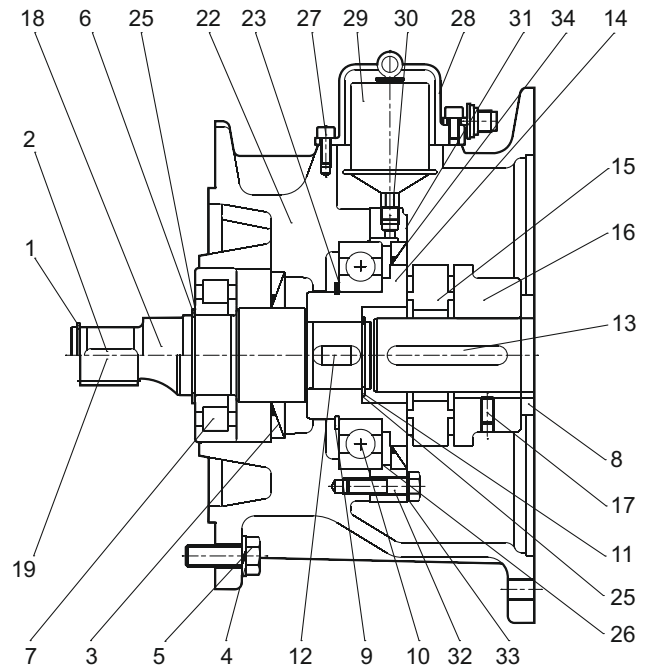
**IEC 63 - 112**



**IEC 132 - 180**

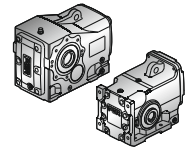


**IEC 160 - 315**

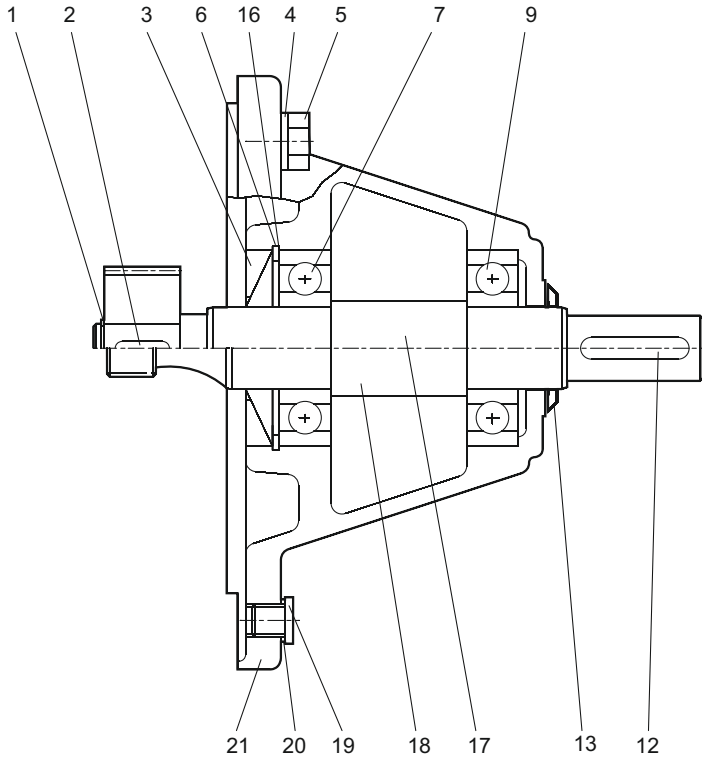


1	Segman	Circlip
2	Kama	Key
3	Şaft keçesi	Shaft seal
4	Rondela	Washer
5	Altıköşe başlı civata	Hexagon screw
6	Segman	Circlip
7	Rulman	Clutch shaft bearing
8	Burç	Spacer
9	Segman	Circlip
10	Rulman	Clutch shaft bearing
11	Segman	Circlip
12	Kama	Key
13	Kama	Key
14	Kaplin	Coupling
15	Kaplin	Coupling
16	Kaplin	Coupling
17	Setuskur civata	Set screw
18	lec mili çakma	Clutch shaft
19	lec mili yekpare	Clutch pinion shaft
20	Rondela	Washer
21	Yağ tapası	Oil plug
22	lec gövdesi	IEC adapter
23	Layner	Shim
25	Layner	Shim
26	Layner	Shim
27	Alyan başlı civata	Socket head screw
28	Kapak	Cover
29	Otomatik yağlayıcı	Automatic lubricator
30	Adaptör	Adapter
31	Rulman kapağı	Bearing cover
32	Altıköşe başlı civata	Hexagon screw
33	Rondela	Washer
34	Şaft keçesi	Shaft seal



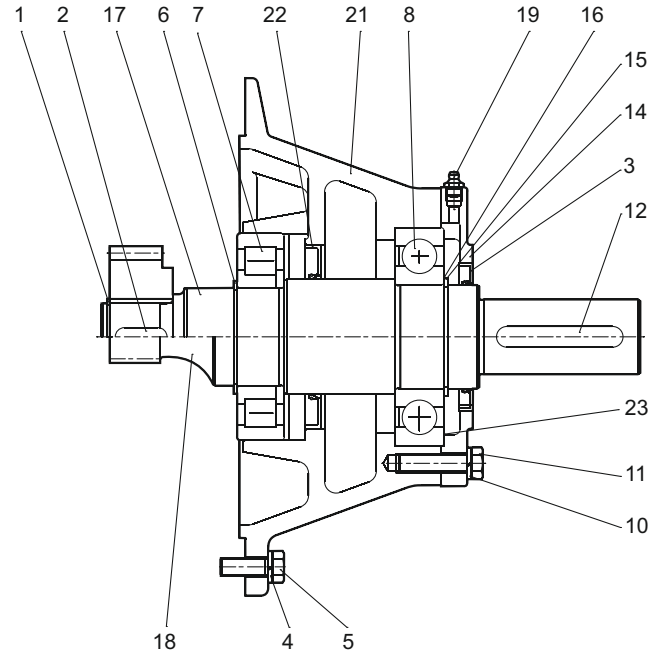


**PKD 1390 - 5390**  
**PKD 1490 - 5490**



1	Segman	Circlip
2	Kama	Key
3	Şaft keçesi	Shaft seal
4	Rondela	Washer
5	Altıköşe başlı civata	Hexagon screw
6	Segman	Circlip
7	Rulman	Input shaft bearing
8	Rulman	Ball bearing
9	Rulman	Input shaft bearing
10	Rondela	Washer
11	Altıköşe baş civata	Hexagon screw
12	Kama	Key
13	Yağ tutucu	Oil flinger
14	Rulman kapağı	Bearing cover
15	Segman	Circlip
16	Layner	Shim
17	W mili çakma	Input shaft, plain
18	W mili yekpare	Input shaft, gearcut
19	Yağ tapası	Drain plug
20	Rondela	Washer
21	W gövdesi	Input bearing housing
22	Şaft keçesi	Shaft seal (Oil flinger)
23	Layner	Shim

**PKD 6390 - 7390**



**PKD 8390 - 9390**

