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# Guide

Hydraulic & Pneumatic

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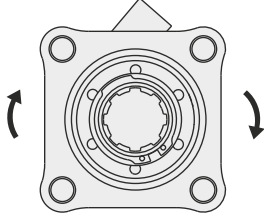
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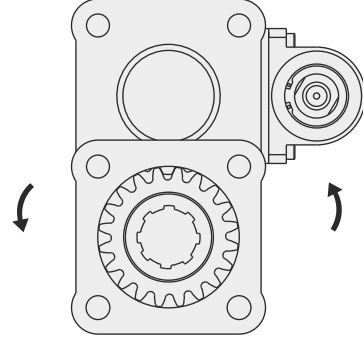
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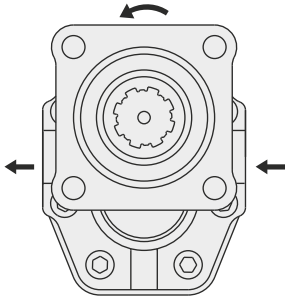
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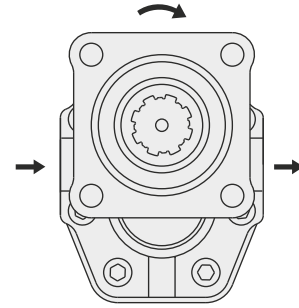
PTO mili saat yönünde (sağ)  
The PTO shaft is CW rotation



PTO mili saatin tersi yönünde (sol)  
The PTO Shaft is CCW rotation



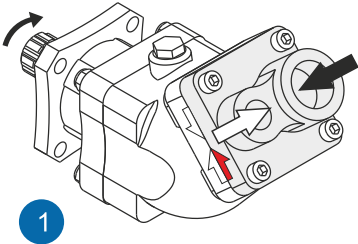
PTO mili saat yönünde ise pompa sol  
The PTO shaft is CCW rotation



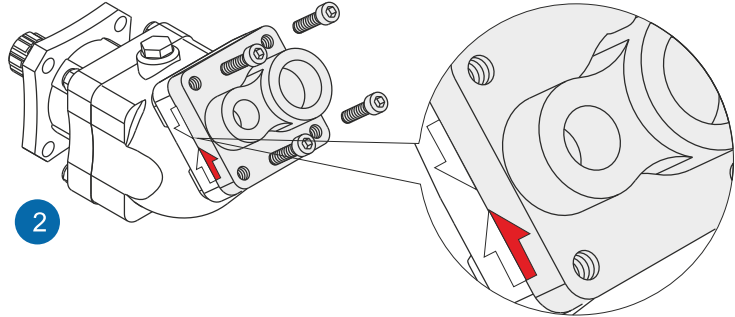
PTO mili saatin tersi yönünde ise pompa sağ  
The PTO shaft is CW rotation

EKSENEL POMPALARDA YÖN DEĞİŞTİRME

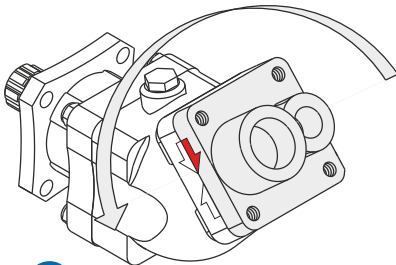
CHANGE OF ROTATION FOR BENT AXIS PUMPS



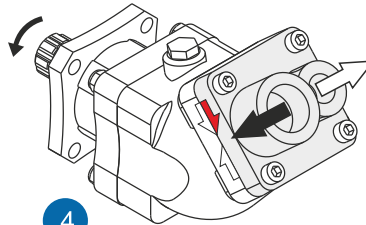
1



2



3

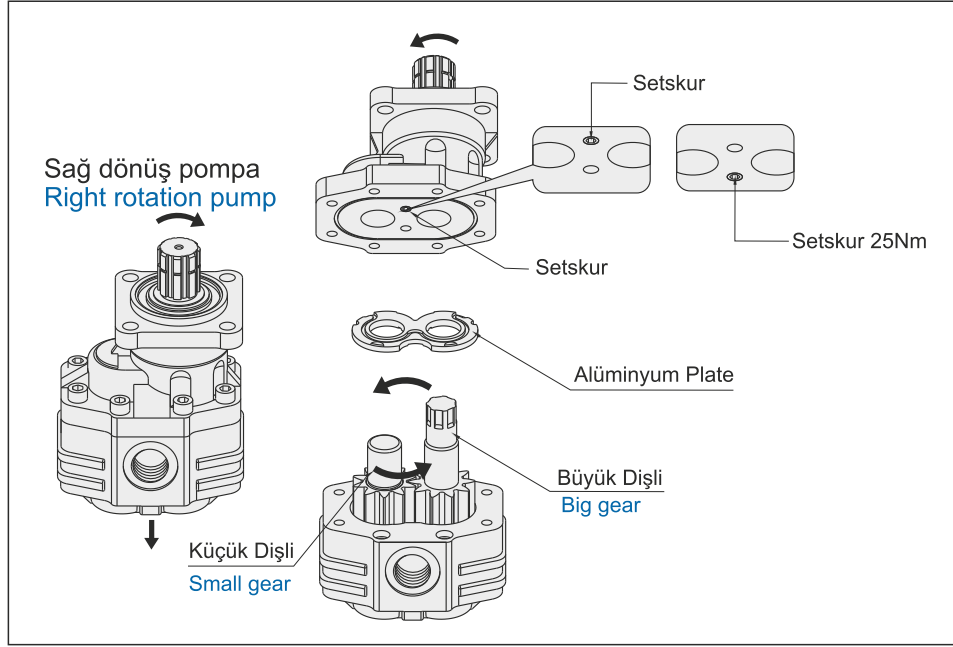


4

Arka kapak vidaları sökülür. Kapağı gövdeden ayırmadan kapağın yanındaki yarım olan ok işaretini gövdedeki diğer yarım ok işaretini tamamlayacak şekilde (bkz. 2) kapak 180° çevrilir. Tekrar kapak vidalarını sıkı hale getirilir.(bkz. 4)

Please remove the back screws. Without moving the distributor body from pump, rotate the distributor body 180°. Do not move the distributor body during the operation(see d.2).And tighten the screws.(see d.4)

Pompamızın dönüş yönünü değiştirmek için önce kapağı gövdeden ayırırız (Şekil1)  
Separate first the cover from the body to reverse the pump (Diagram 1)

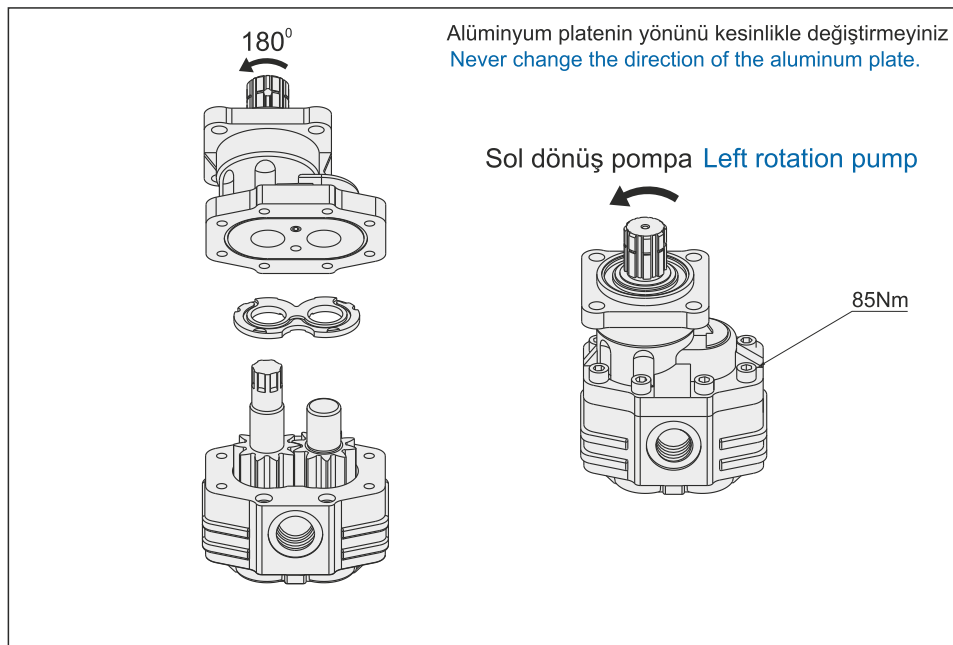


(Şekil1) (Diagram 1)

Kapakta gördüğümüz setskur vidayı yerinden çıkarıp karşısındaki boş deliğe takarız. Alüminyum playti çıkarırız.

kapağı 180° çevirerek pompanızı tekrar monte ederiz.

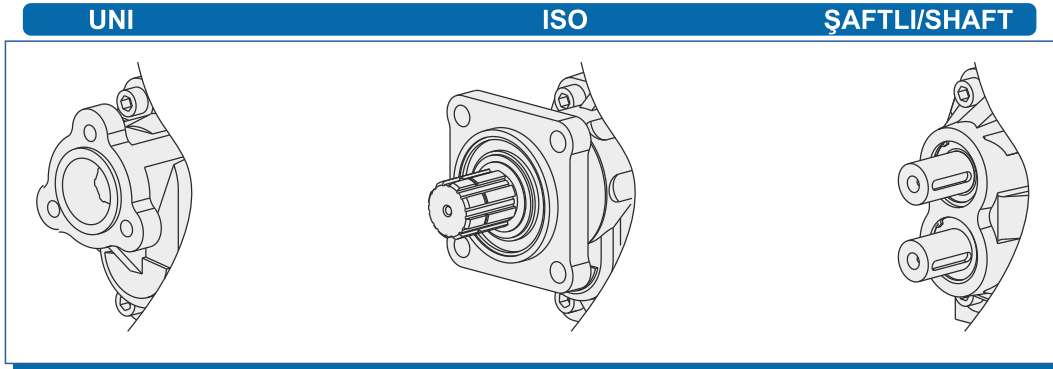
Remove the endless screw you see on the cover and put it on the opposite empty hole. Remove the aluminum plate. Change locations of the small and big gears. Set in place the aluminum plate you have already removed. The body operation is finished. Turn 180° the cover and re-assemble the pump.



Not: Pompayı tekrar monte ederken kapak yüzündeki o-ringin montaj esnasında düşmemesi için yuvaya oturtulup greslenmesi gerekir.  
Note: O-ring on the cover surface has to be put again on the housing and greased in order to prevent it from falling down during the pump re-assembly.

Hidrolik sistemlerde, sistemin bütün elemanları birbiriyile uyumlu olmalıdır (silindir, pompa, ventil, sınır kontrol ventili, yağ, yağ tankı, hortumlar, soketler vb.) Bilinçsiz kullanacağımız elemanlar pompanın ömrünü olumsuz etkiler. Kullanım amacına uygun performans (devir, basınç, debi) değerlerine sahip bir pompa modeli seçilmelidir. Dişli pompa, aksel pompa, pistonlu pompa gibi. Uygun bağlantı tipi belirlenmelidir. (Bkz. Şekil 1)

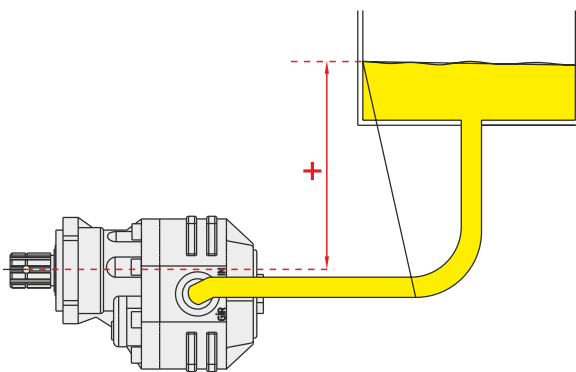
Entire elements of the system (cylinder, pump, valve, limit control valve, oil, oil tank, hoses, sockets, etc) should be compatible with each other. Elements used without sufficient knowledge negatively affect the pump's life. A pump model having compatible performance values (rotation, pressure, flow rate) with usage objectives should be selected, such as gear pump, axial pump or piston pump. Adequate connection type should be defined. (See Diagram 1)



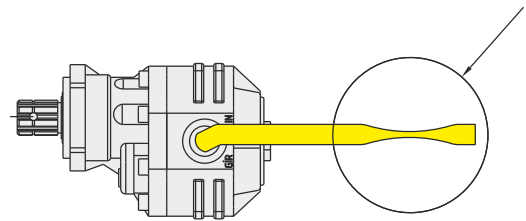
Şekil 1 Bağlantı Tipleri Diagram 1 Mounting Types

PTO elektrik motoru gibi tahrik elemanlarının yönüne uygun olarak pompa yönü belirlenir. Pompa daima tank seviyesinden altta olmalıdır. (Bkz. Şekil2)

Pump direction is defined according to drive elements such as PTO electric engine. Pump should always be under the tank level (See diagram 2)



Şekil 2 Diagram 2



Şekil 3 Diagram 3

Tüm tesisatın hortum ve rakor ölçüleri katalogumuzda belirtilen giriş çıkış rakorları ile aynı olmalıdır. Yağ giriş hortumu, pompanın emişinden etkilenmeyecek kalitede olmalıdır. Uygun olmayan giriş hortumlarında Şekil3de oluşan daralmalar pompanın ömrünü olumsuz etkiler.

Pompa giriş rakoru uygun olsa bile besleme hattındaki diğer geçiş noktalarında katalogda belirtilen çapların altında bir daralma olmamalıdır.(Bkz. Tablo1)

Hose and connector measures of the entire installation should be the same with intake and outlet connector measures indicated in the catalogue. Oil intake hose should be in a quality as not to be affected from the pump suction. Contractions on inadequate intake hoses (Diagram 3) negatively affect the pump's life.

No contractions should be seen on other feeding line passage points even if the pump intake connector is adequate (See table 1).

Akış / Flow 1/dk.	Giriş Inlet	Çıkış Outlet
8	R 1/2"	R 1/4"
17	R 3/4"	R 3/8"
30	R 1"	R 1/2"
50	R 1 1/4"	R 1/2"
70	R 1 1/2"	R 3/4"
90	R 1 3/4"	R 1"
125	R 2"	R 1"
150	R 2 1/4"	R 1"

Tablo 1 Table 1

Dorse damperlerde giriş ve çıkış soketleri istenilen ölçüde olmalıdır. Takılacak filtre pompa litresine uygun seçilmelidir. Yağ giriş çıkış deliklerindeki plastik koruyucular, pompa yerine takıldıktan sonra sökülmeli ve hemen rakorları bağlanmalıdır. Yağ deposu ve tesisatın temizliği kontrol edilmeli, yağ deposunun hava giriş çıkışı rahat olmalıdır. Firmamız yağ filtresini basınç hattına bağlamanızı tavsiye eder. Depo pompa için belirtilen uygun yağ (Bkz. Tablo 1) ile tamamen doldurulmalı ve birkaç saat dinlendirilmelidir.

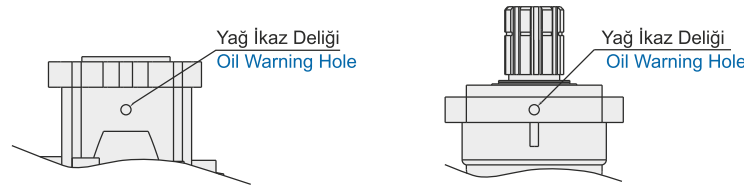
Intake and outlet sockets on Dorsey Dumpers should be on requested measures. The filter used should be selected according to filter list. Plastic guards on oil intake and outlet holes should be removed and connectors should be set in immediately. Oil tank and installation cleanliness should be controlled and the oil tank air intake-outlet should be comfortable. We suggest you to connect the oil filter to the pressure line. The tank should be completely filled with adequate oil (See Table 1) and be left to rest for a couple of hours.

	KIŞ AYLARINDA/WINTER MONTHS	YAZ AYLARINDA/SUMMER MONTHS
<b>MARKA/BRAND</b>	<b>ISO 32</b>	<b>ISO 46</b>
BP	ENERGOL HLP 32	ENERGOL HLP 46
MOBİL	D.T.E 24	D.T.E 25
SHELL	TELLUS 32	TELLUS 46
PETROL OFİSİ	RANDO OIL HD 32	RANDO OIL HD 46

Tablo 2 Table 2

İlk çalıştırma yapılmadan önce tesisatın pompa girişine kadar yağla dolu olduğu ve tüm vanaların açık olduğu kontrol edilmeli, bir anlık bile olsa pompa yağsız çalıştırılmamalıdır. İlk çalıştırma basınç olmaksızın düşük devirde (kamyonlar için rölantide) birkaç dakika olmalı, pompanın normal çalışması, gürültü seviyesi, yağ kaçaqları gözlenmelidir. Anormal durumda sistemin zarar görmemesi için derhal durdurulmalı ve tekrar kontrol edilmelidir. Şekil 4de görülen tahliye deliği yağ keçelerindeki arıza ve kaçağın kolay anlaşılması için dizayn edilmiştir. Yağ tahliye deliği operatör tarafından sık sık kontrol edilmelidir.

You should control that the installation is completely filled with oil till pump intake level and that all valves are open before the cold start. Never start the pump without oil. Cold start should be for a couple of minutes under low rotation (idle running for trucks) and the pump's normal operation and noise level and oil leaks should be observed. The system should be immediately stopped in an abnormal situation to prevent any damage and should be controlled again. Discharge hole seen of Fig. 4 is designed to detect easily defects and leaks on oil seals. Oil discharge hole should be frequently controlled by the operator.



Şekil 4 Diagram 4

Pompa normal çalışırken katalogda belirtilen maksimum devirlerin üzerine kesinlikle çıkılmamalıdır. Pompaya sürekli basınç uygulama süreleri kesinlikle katalog değerlerinin üzerinde olmamalıdır. Tesisattaki valflerin basınç ayarları üretim esnasında hassas ölçü aletleriyle yapıldığı için kesinlikle değiştirilmemelidir. İdeal yağ sıcaklığı 50°- 60° dir. Pompa 0°-80° arasında sürekli çalıştırılabilir. Sistem normal çalışsa bile tesisatın periyodik bakımları (yağ kalitesi, filtre temizliği, basınç ayarları, görsel kontroller vb.) ihmal edilmemelidir. Olası problemlerde servisimizle irtibat kurunuz.

Maximum speed indicated on the catalogue should never be exceeded when the pump operates normally. Periods of continuous pressure application on the pump should never exceed catalogue values. Pressure adjustments of valves on the installation should never be changed for they are set up by sensitive measurement devices during the production. Ideal oil temperature is 50°- 60°. The pump can be continually operated between 0° and 80°. The installation's periodical maintenance (oil quality, filter cleaning, pressure adjustments, visual controls, etc) should never be neglected even if the system operates normally. Please contact our service department in any problem.

## ÜRÜN KODU AÇILIMI

## PRODUCT CODE DESCRIPTION

3

 Pompa  
 Pump

X X

 Pompa Tipi  
 Pump Type

30	30 Serisi Dişli Pompa
35	30 Serisi Gear Pump
36	Ventilli Dişli Pompa Gear Pump With Valve
38	K Serisi Dişli Pompa K Series Gear Pump
40	Akuple Vanalı Pompa Coupled Pump With Mechanical Valve
49	40 Serisi Dişli Pompa 40 Series Gear Pump
50	9 Pistonlu Ventilli Pompa 9 Piston Pump With Valve
51	9 Pistonlu Pompa 9 Piston Pump
52	6 Pistonlu Pompa 6 Piston Pump
55	Eksenel Pistonlu Pompa Bent Axis Piston Pump
56	10 Pistonlu Akuple Pompa 10 Coupled Piston Pump
57	10 Pistonlu Mekanik Pompa 10 Piston Mechanical Pump
65	10 Pistonlu Pnömatik Pompa 10 Piston Pneumatic Pump
70	30 Serisi Şaftlı Tip Pompa 30 Series Pump With Shaft Type
	40 Serisi Şaftlı Tip Pompa 40 Series Pump With Shaft Type

X X X

 Pompa Litresi  
 Pump Liter

30 Serisi Dişli Pompa	017-027-034-
30 Series Gear Pump	043-051-061-082
40 Serisi Dişli Pompa	063-073-087-109-
40 Series Gear Pump	133-151
Ventilli Dişli Pompa Gear Pump With Valve	061-082
K Serisi Dişli Pompa	043-051
K Series Gear Pump	073-109
Mekanik Dişli Pompa Mechanic Gear Pump	035-045-135-145
6 Pistonlu Pompa	060-080-160-180
6 Piston Pump	085-100
9 Pistonlu Pompa	035-045-065-085-105
9 Piston Pump	
10 Pistonlu Pompa	
10 Piston Pump	
Eksenel Pistonlu Pompa Bent Axis Piston Pump	

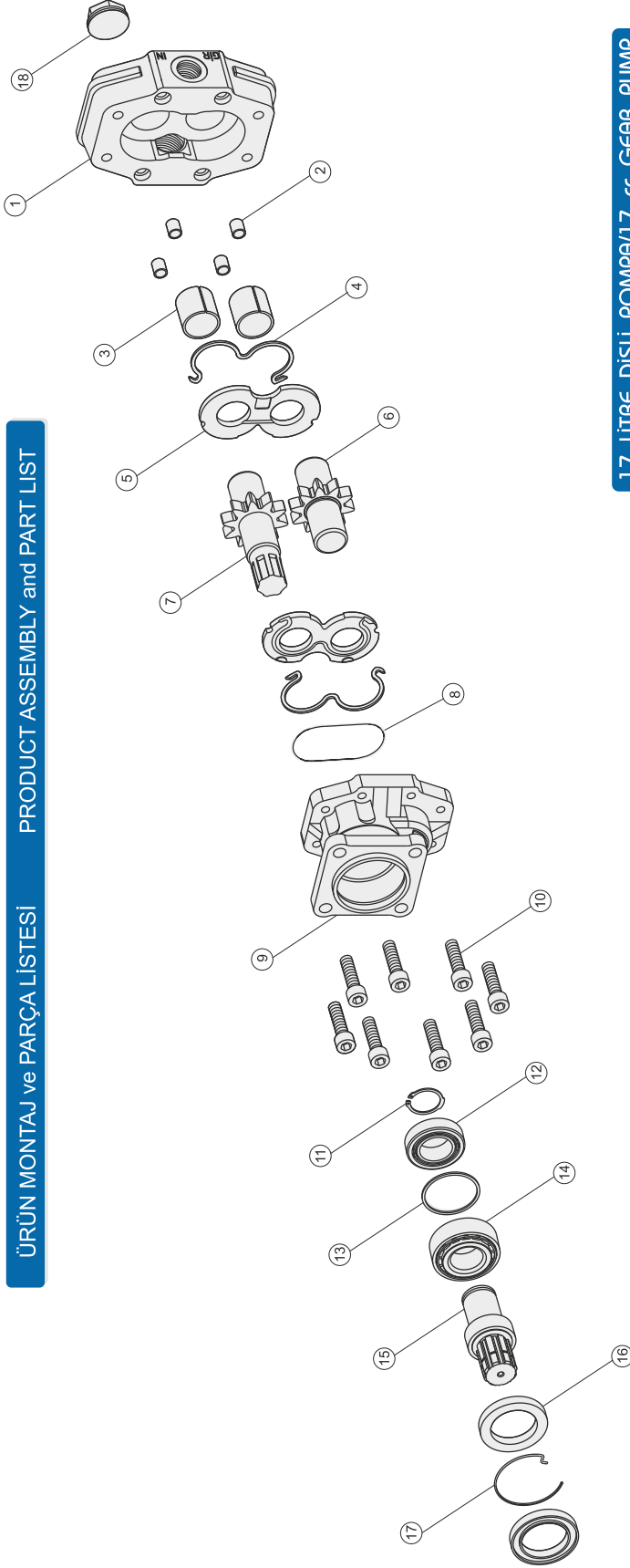
X X

 Pompa Yönü  
 Pump Rotation

11	UNI Sağ Dönüşlü UNI Clockwise (CW)
12	UNI Sol Dönüşlü UNI Anticlockwise (CCW)
13	UNI Çift Dönüşlü UNI Bi-Directional
23	İki Yönlü Fixed Bi-Directional
31	ISO Sağ Dönüşlü ISO Clockwise (CW)
32	ISO Sol Dönüşlü ISO Anticlockwise (CCW)
33	ISO Çift Dönüşlü ISO Bi-Directional

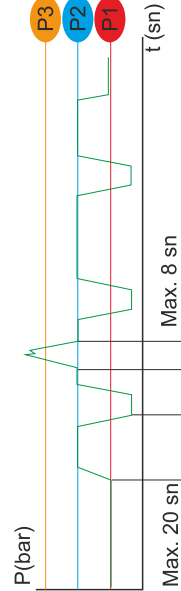
## 17 LİTRE DİŞLİ POMPA

## 17 cc GEAR PUMP



## 17 LİTRE DİŞLİ POMPA/17 cc GEAR PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez burcu
4	3	28x32x30 Burç
2	4	M O-ring
2	5	Alüminyum Plate
1	6	Kısa Dişli
1	7	Uzun Dişli
1	8	1.78x98.05 O-ring
1	9	Dpa Kapak
1	19	T1 Kapak
1	20	T2 Kapak
8	10	M10x10 Civata
1	11	471-35 Segman
1	12	32007 Rulman
1	13	56x62x2 Pul
1	14	32207 Rulman
1	15	Dpa Mili
2	16	50x72x7 Keçe
1	17	Tei Segman
1	18	1/2" Tapa
36		TOPLAM PARÇA SAYISI



İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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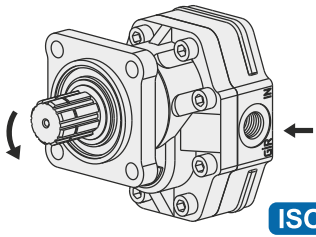
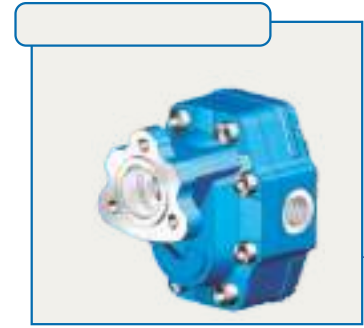
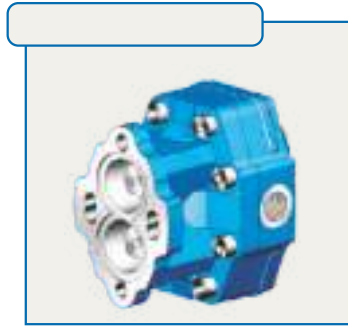
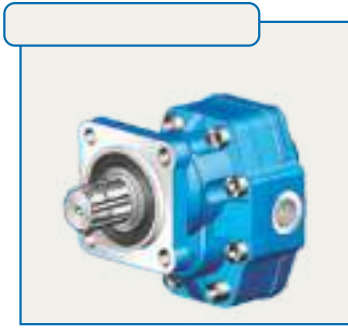
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
30-17	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
	17,20/03,80	2500	450	4000	315/4568	340/4931	450/6526	10,50/28,30

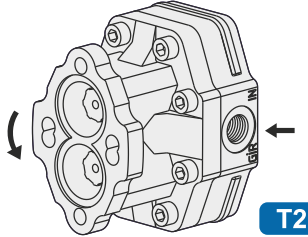


## 17 LİTRE DİŞLİ POMPA

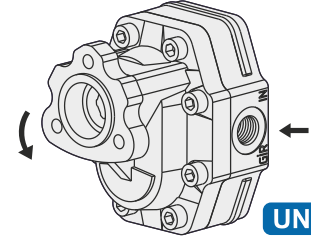
## 17 cc GEAR PUMP



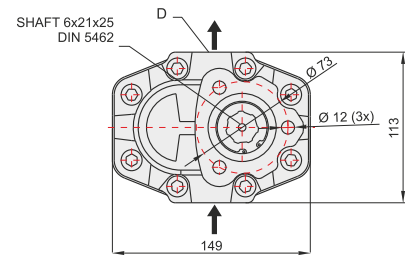
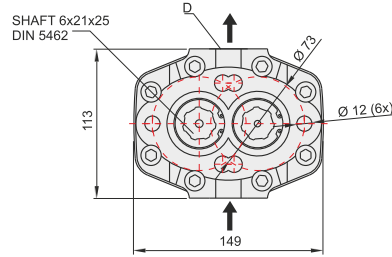
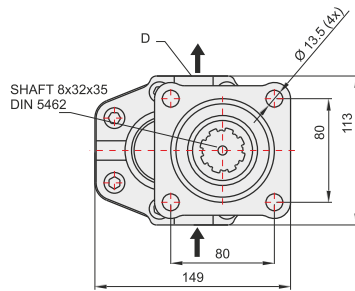
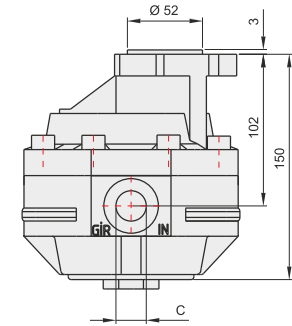
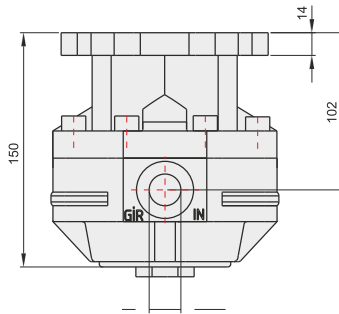
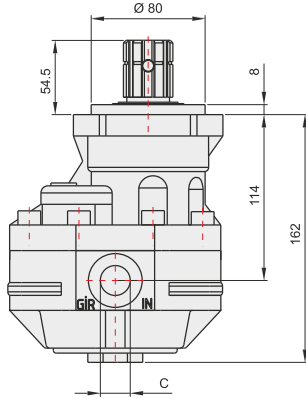
ISO



T2

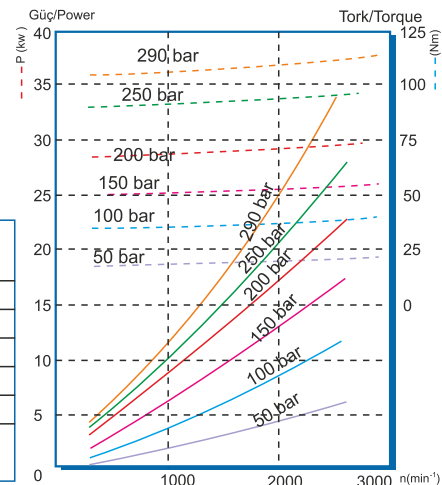


UNI

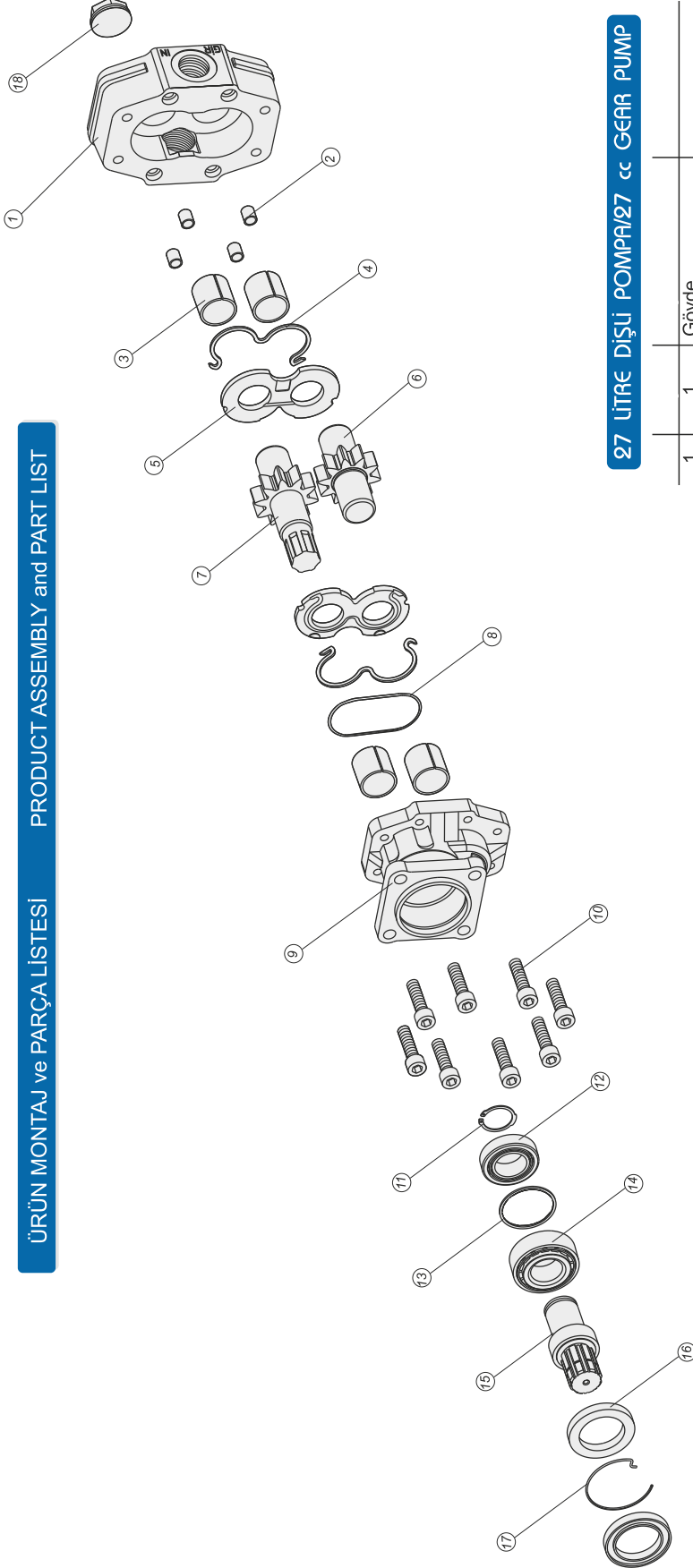


### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	30-17	30-17	30-17
Min. Boru Çapı / Min. Hose Dia.	15	15	15
Ağırlık / Weight(kg)	10,5	9	8,5
(C) Yağ Giriş / Oil Inlet	R 1/2"	R 1/2"	R 1/2"
(D) Yağ Çıkış / Oil Outlet	R 1/2"	R 1/2"	R 1/2"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil		

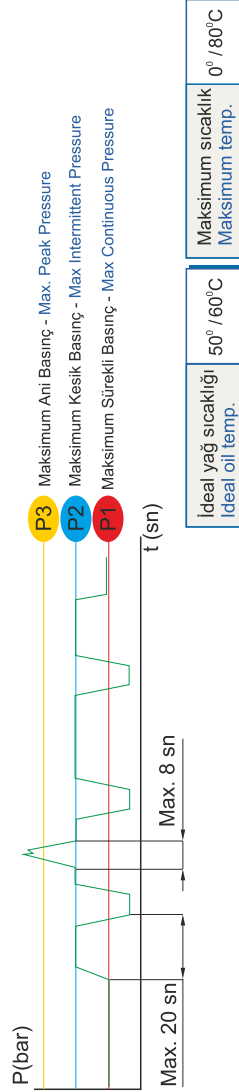


## ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



## 27 LİTRE DİŞLİ POMPA/27 cc GEAR PUMP

1	1	Gövde	1
4	2	Merkez burcu	1
4	3	28x32x30 Burç	1
2	4	M O-ring	2
2	5	Alüminyum Plate	2
1	6	Kısa Dişli	1
1	7	Uzun Dişli	1
1	8	1.78x98.05 O-ring	1
1	9	Dpa Kapak	1
1	19	T1 Kapak	1
1	20	T2 Kapak	1
8	10	M10x40 Cıvata	8
1	11	471-35 Segman	1
1	12	32007 Rulman	1
1	13	56x62x2 Pul	1
1	14	32207 Rulman	1
1	15	Dpa Mili	1
2	16	50x72x7 Keçe	2
1	17	Tel Segman	1
1	18	3/4" Tapa	1
36		TOPLAM PARÇA SAYISI	

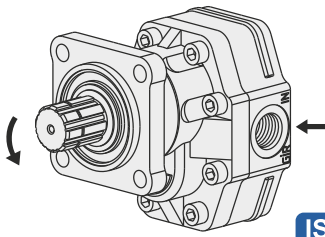
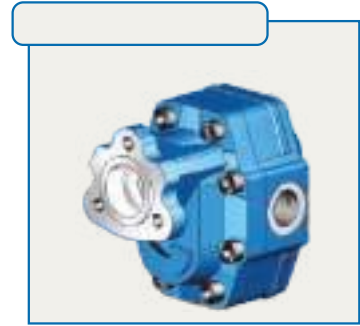
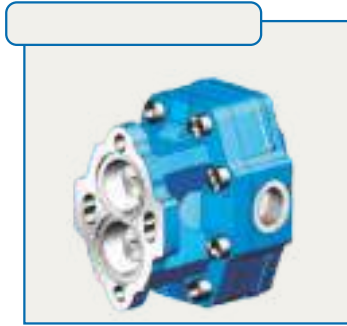
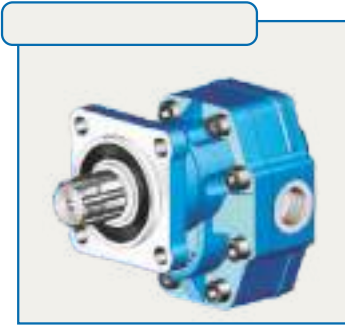


## GENEL BİLGİLER/GENERAL DATA

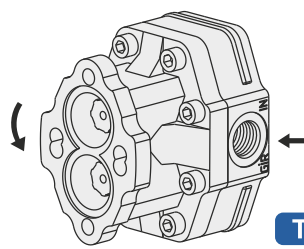
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
30-27	26.50/05.80	2500	450	4000	305/4423	330/4786	450/6526	10.90/29.20

## 27 LİTRE DİŞLİ POMPA

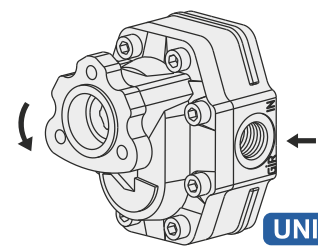
## 27 cc GEAR PUMP



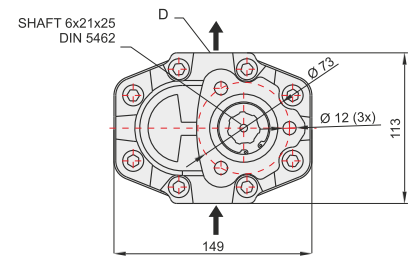
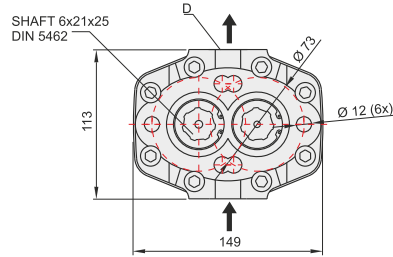
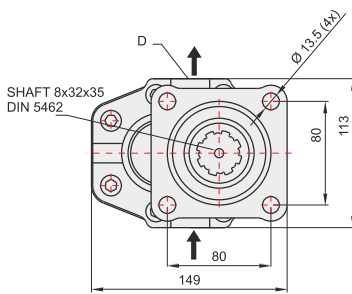
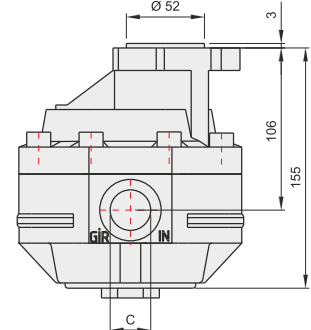
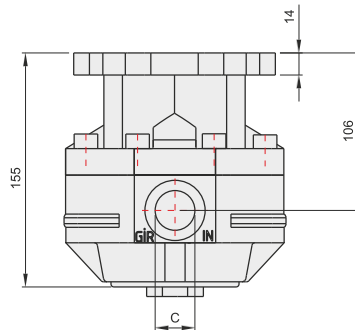
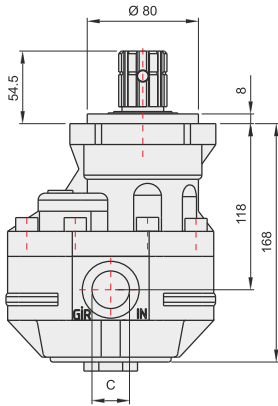
ISO



T2

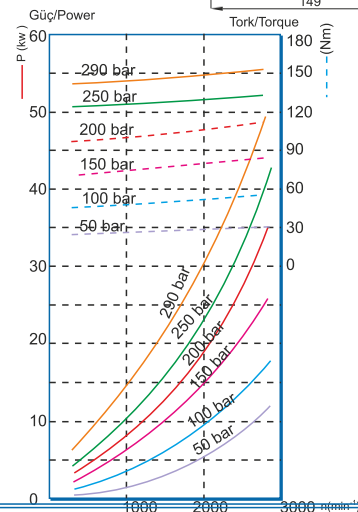


UNI

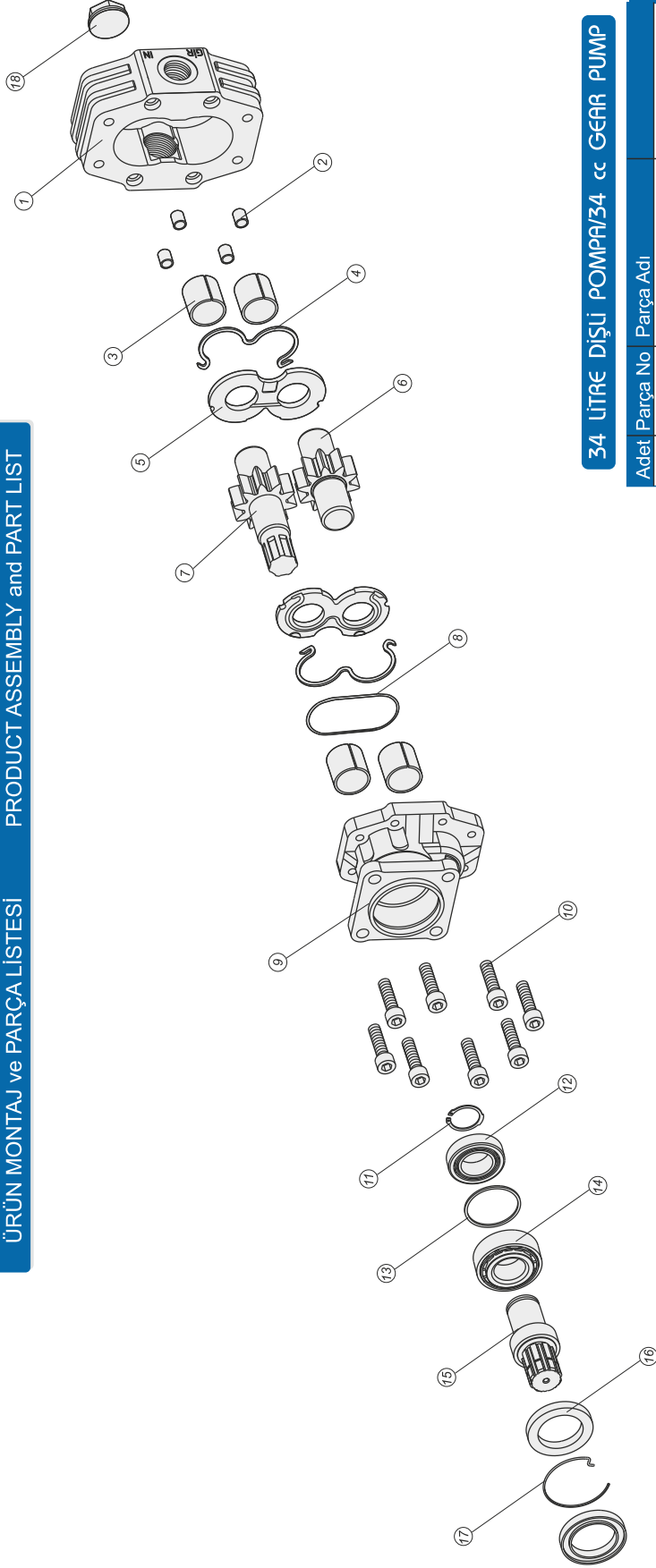


### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	30-27	30-27	30-27
Min. Boru Çapı / Min. Hose Dia.	20	20	20
Ağırlık / Weight(kg)	11	9,5	9
(C) Yağ Giriş - Oil Inlet	R 3/4"	R 3/4"	R 3/4"
(D) Yağ Çıkış - Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil		



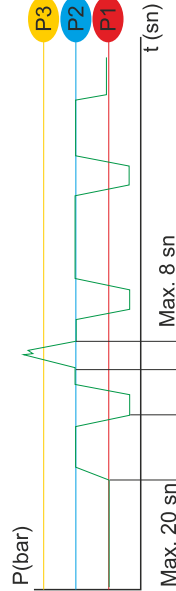
ÜRÜN MONTAJ ve PARÇALISTESİ PRODUCT ASSEMBLY and PART LIST



34 LİTRE DİŞLİ POMPA/34 cc GEAR PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez burcu
4	3	28x32x30 Burç
2	4	M O-ring
2	5	Alüminyum Plate
1	6	Kısa Dişli
1	7	Uzun Dişli
1	8	1.78x98.05 O-ring
1	9	Dpa Kapak
1	19	T1 Kapak
1	20	T2 Kapak
8	10	M10x40 Civata
1	11	471-35 Segman
1	12	32007 Rulman
1	13	56x62x2 Pul
1	14	32207 Rulman
1	15	Dpa Mili
2	16	50x72x7 Keçe
1	17	Tel Segman
1	18	3/4" Tapa
36		TOPLAM PARÇA SAYISI

**P3** Maksimum Ani Basıncı - Max. Peak Pressure  
**P2** Maksimum Kesik Basıncı - Max. Intermittent Pressure  
**P1** Maksimum Sürekli Basıncı - Max. Continuous Pressure



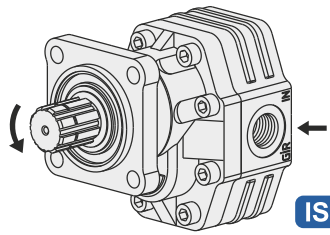
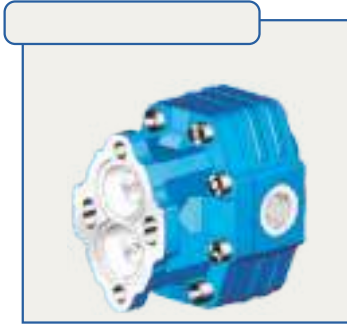
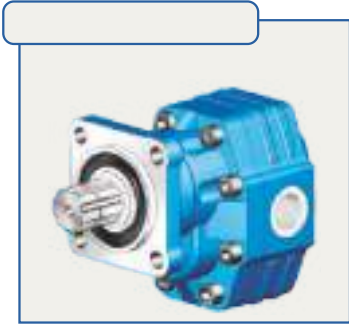
İdeal yağ sıcaklığı İdeal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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GENEL BİLGİLER/GENERAL DATA

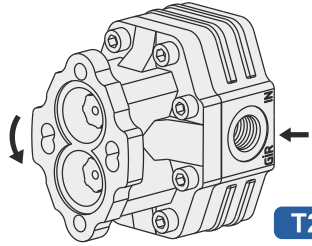
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basıncı Max. Continuous Pressure	Max. Kesik Basıncı Max. Intermitt. Pressure	Max. Ani Basıncı Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-34	34.30/07.50	2200	350	3500	300/4351	325/4714	450/6526	11.5/30.50

## 34 LİTRE DİŞLİ POMPA

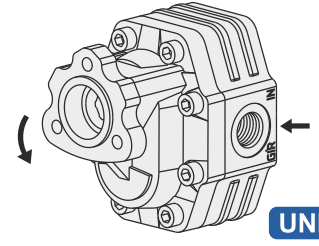
## 34 cc GEAR PUMP



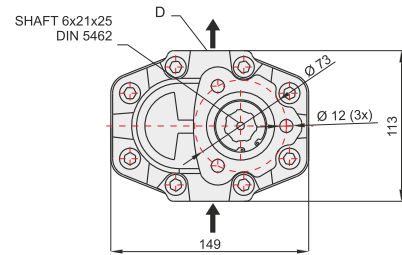
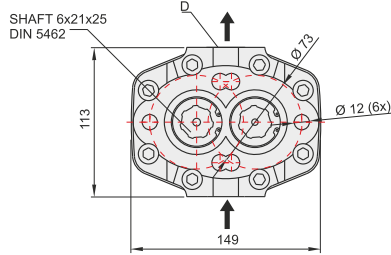
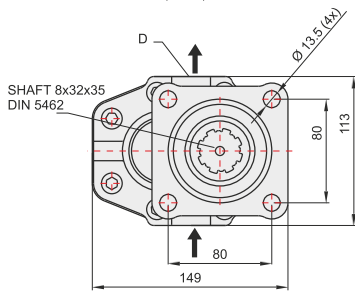
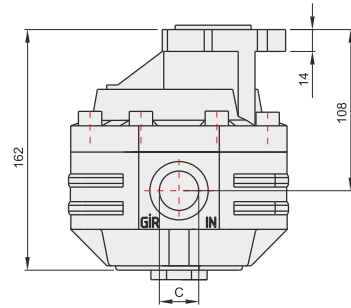
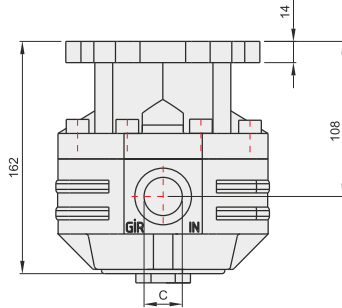
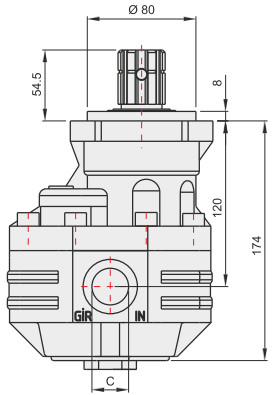
ISO



T2

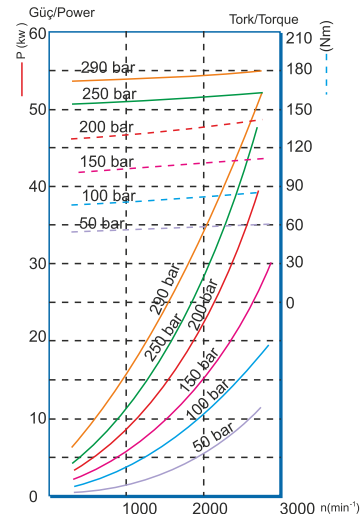


UNI

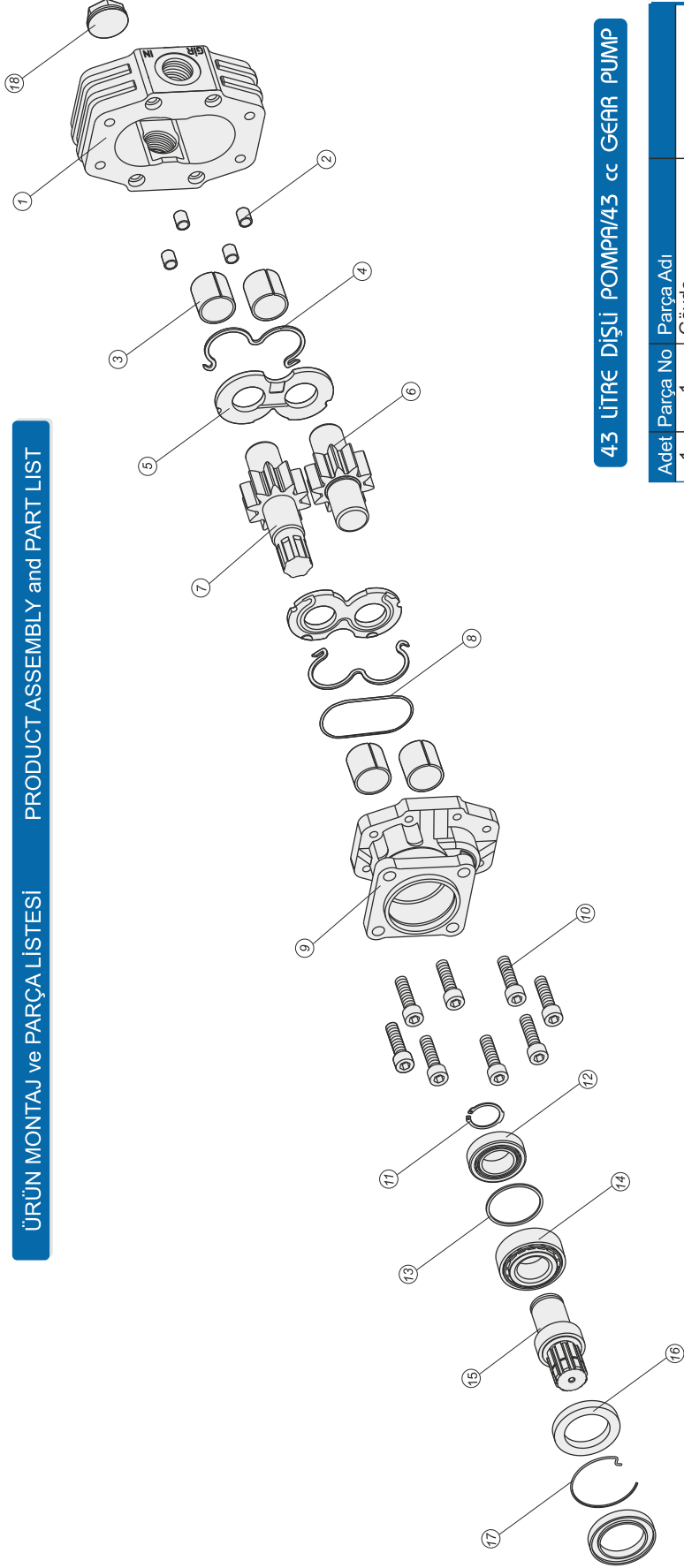


### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu / Pump Codes	ISO	T2	UNI
Pompa Tipi / Pump Type	30-34	30-34	30-34
Min. Boru Çapı / Min. Hose Dia.	20	20	20
Ağırlık / Weight(kg)	11,5	10	9,5
(C) Yağ Giriş / Oil Inlet	R 3/4"	R 3/4"	R 3/4"
(D) Yağ Çıkış / Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil		



#### ÜRÜN MONTAJ ve PARÇALİSTESİ PRODUCT ASSEMBLY and PART LIST



#### 43 LİTRE DİŞLİ POMPA/43 cc GEAR PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez burcu
4	3	28x32x30 Burç
2	4	M O-ring
2	5	Alüminyum Plate
1	6	Kısa Dişli
1	7	Uzun Dişli
1	8	1.78x98.05 O-ring
1	9	Dpa Kapak
1	19	T1 Kapak
1	20	T2 Kapak
8	10	M10x40 Cıvata
1	11	471-35 Segman
1	12	32007 Rulman
1	13	56x62x2 Pul
1	14	32207 Rulman
1	15	Dpa Mili
2	16	50x72x7 Keçe
1	17	Tel Segman
1	18	3/4" Tapa
36		TOPLAM PARÇA SAYISI



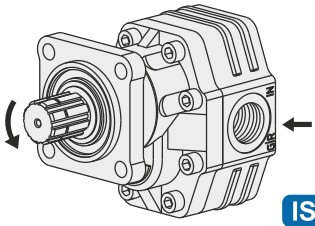
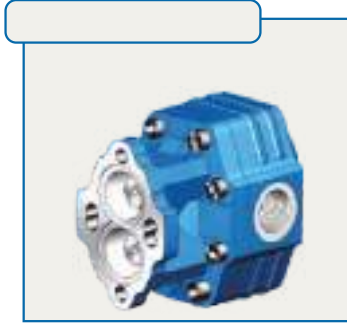
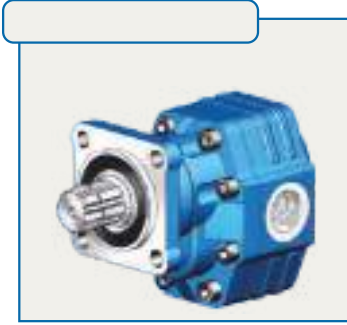
İdeal yağ sıcaklığı İdeal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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#### GENEL BİLGİLER/GENERAL DATA

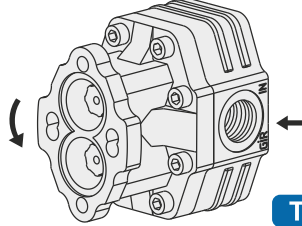
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hz Max. Continuous Speed	Min. Kesik Hz Min. Intermitt. Speed	Max. Kesik Hz Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-43	43,70/09,60	2200	350	3500	280/4061	305/4424	400/5801	12,00/32,20

## 43 LİTRE DİŞLİ POMPA

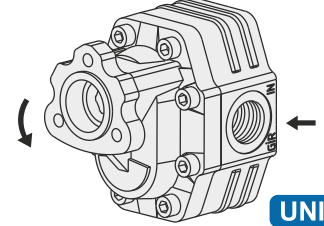
## 43 cc GEAR PUMP



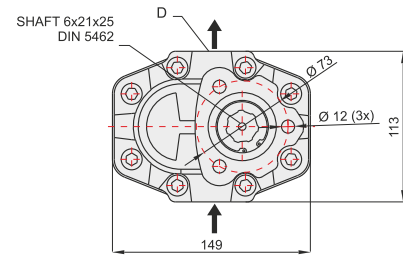
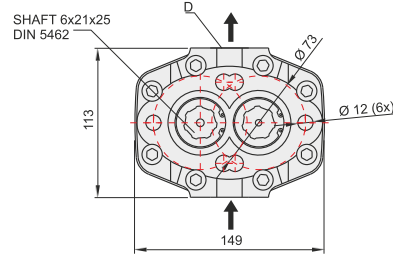
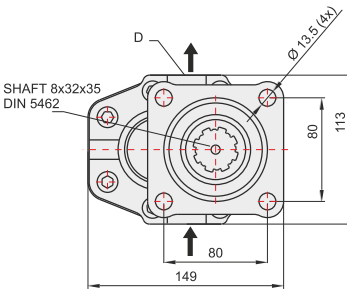
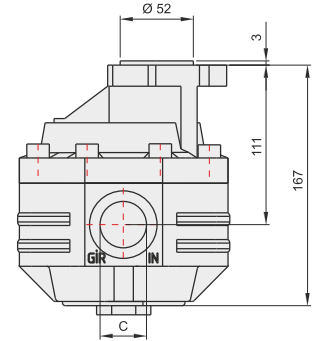
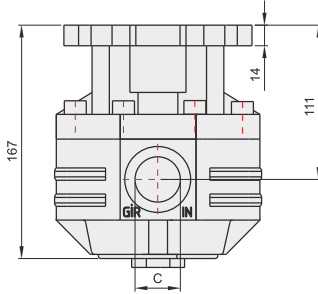
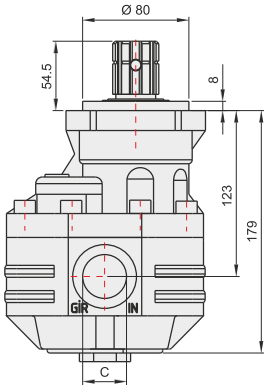
ISO



T2

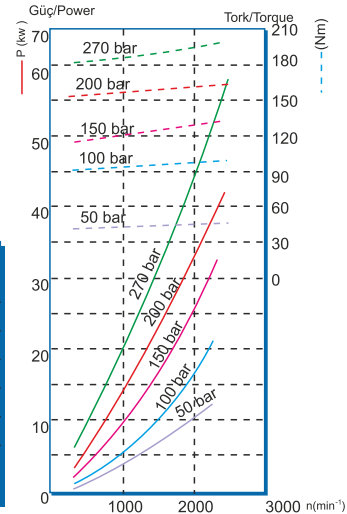


UNI



### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	ISO	T2	UNI
Pompa Tipi / Pump Type	30-43	30-43	30-43
Min. Boru Çapı / Min. Hose Dia.	26	26	26
Ağırlık / Weight(kg)	12	10,5	10
(C) Yağ Giriş / Oil Inlet	R 1"	R 1"	R 1"
(D) Yağ Çıkışı / Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil		

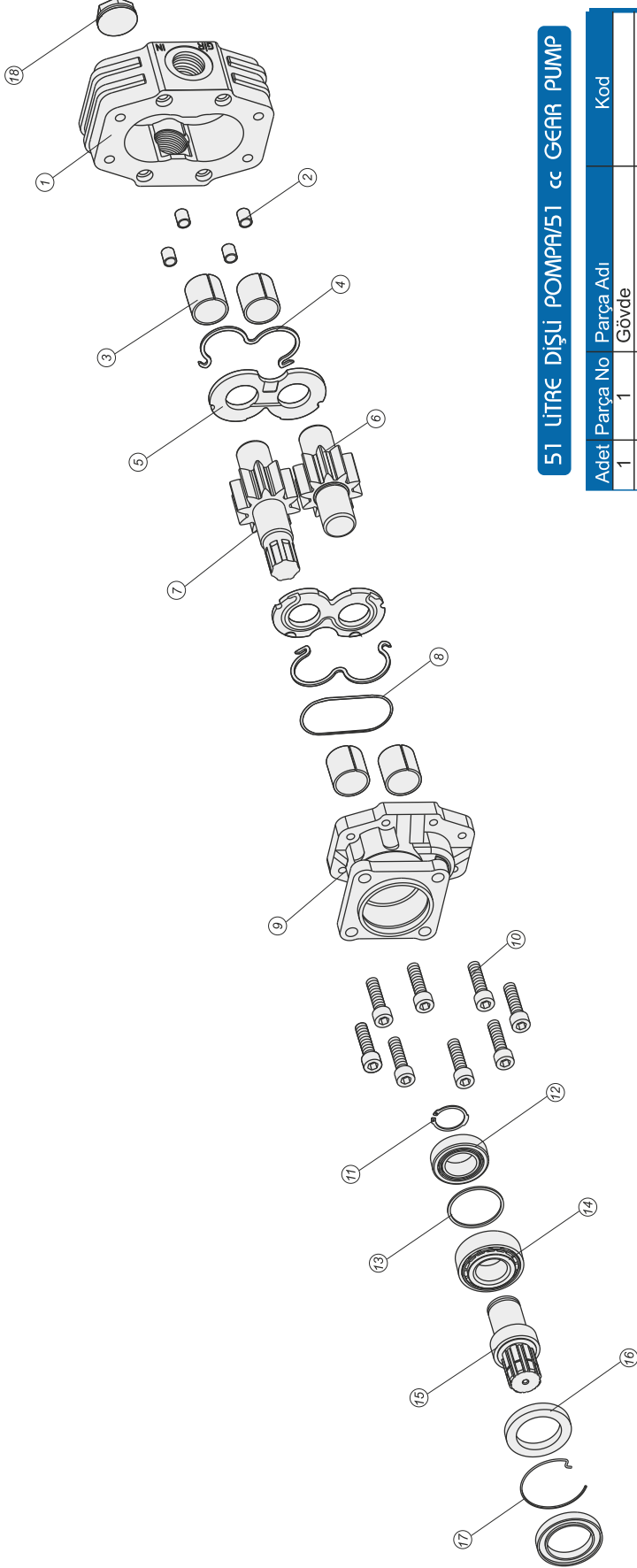


ÜRÜN MONTAJ ve PARÇA LİSTESİ

PRODUCT ASSEMBLY and PART LIST

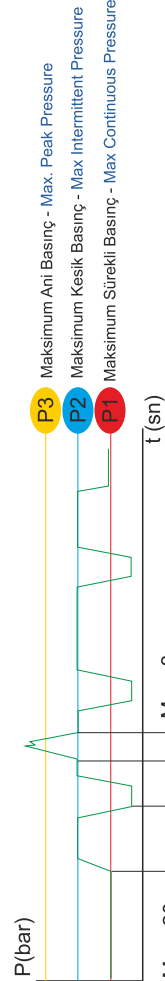
51 LİTRE DİŞLİ POMPA

51 cc GEAR PUMP



51 LİTRE DİŞLİ POMPA/51 cc GEAR PUMP

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez burcu	
4	3	28x32x30 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	1.78x98.05 O-ring	
1	9	Dpa Kapak	
1	19	T1 Kapak	
1	20	T2 Kapak	
8	10	M10x40 Cıvata	
1	11	471-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mili	
2	16	50x72x7 Keçe	
1	17	Tel Segman	
1	18	1" Tapa	
36		TOPLAM PARÇA SAYISI	



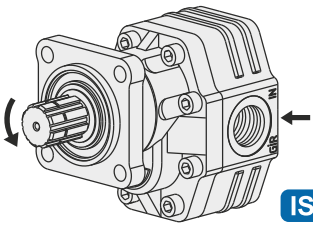
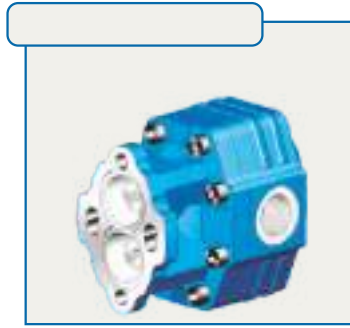
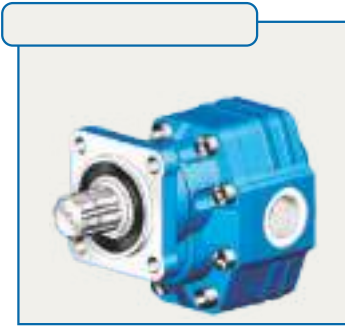
İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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GENEL BİLGİLER/GENERAL DATA

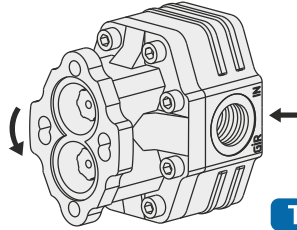
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-51	51,40/11,30	2000	300	3500	240/3481	265/3843	380/5511	12,50/33,50



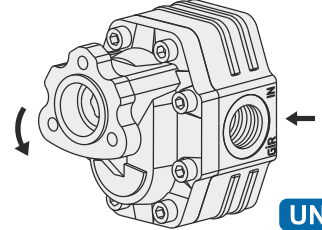
## 51 LİTRE DİŞLİ POMPA / 51 cc GEAR PUMP



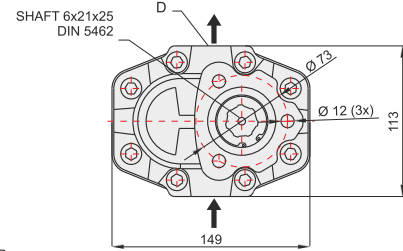
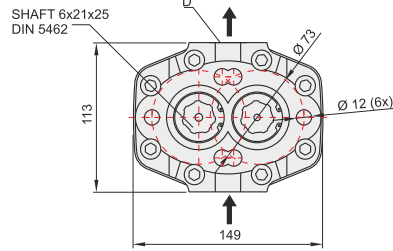
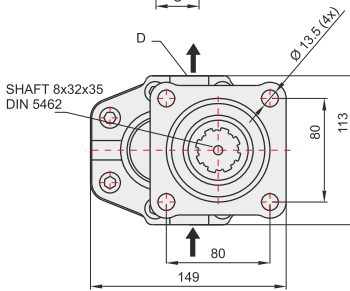
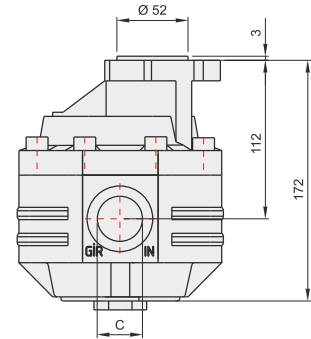
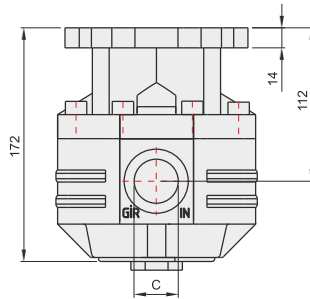
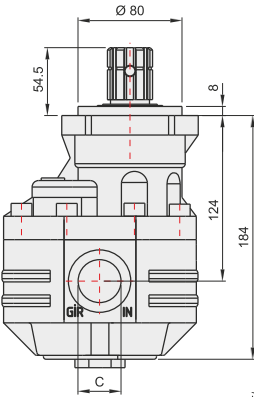
ISO



T2

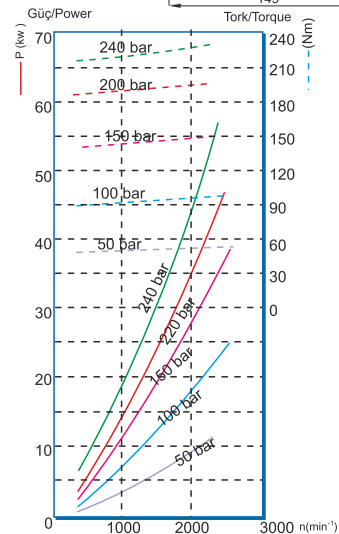


UNI



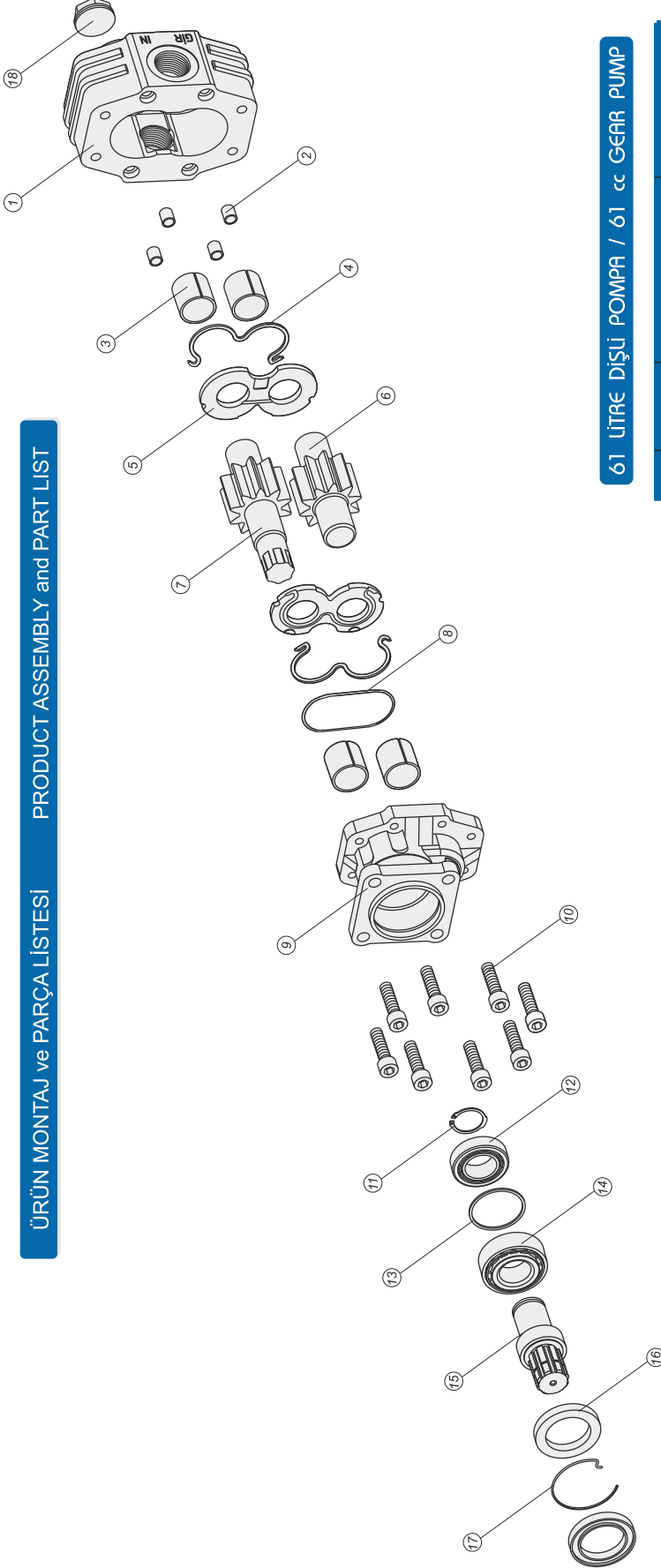
### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	ISO	T2	UNI
Pompa Tipi / Pump Type	30-51	30-51	30-51
Min. Boru Çapı / Min. Hose Dia.	26	26	26
Ağırlık / Weight(kg)	12,5	11	10,5
(C) Yağ Giriş - Oil Inlet	R 1"	R 1"	R 1"
(D) Yağ Çıkış - Oil Outlet	R 1"	R 1"	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil		



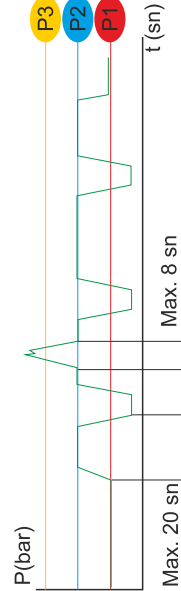
## 61 LİTRE DİŞLİ POMPA

## 61 cc GEAR PUMP



## 61 LİTRE DİŞLİ POMPA / 61 cc GEAR PUMP

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	28x32x30 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	1.78x98.05 O-ring	
1	9	Dpa Kapak	
1	19	T1 Kapak	
1	20	T2 Kapak	
8	10	M10x40 Civata	
1	11	47.1-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mili	
2	16	50x72x7 Keçe	
1	17	Tel Segman	
1	18	1" Tapa	
36		TOPLAM PARÇA SAYISI	



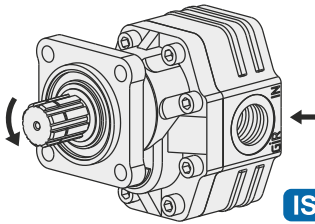
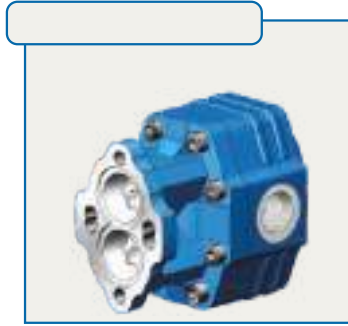
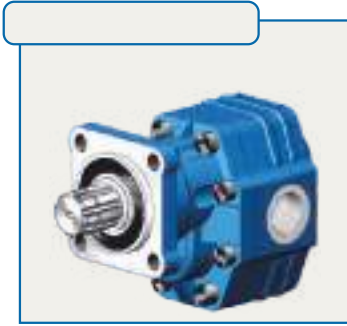
İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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## GENEL BİLGİLER/GENERAL DATA

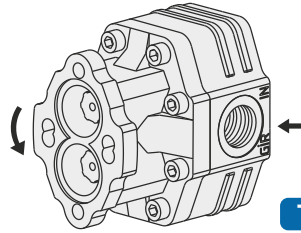
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
30-61	lt/dk/gpm	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
	60.80/13.40	1800	300	3500	220/3191	240/3481	350/5076	13.00/34.80

## 61 LİTRE DİŞLİ POMPA

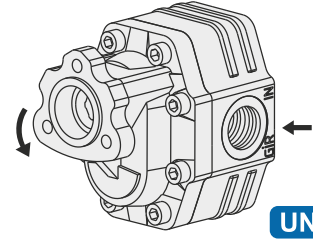
## 61 cc GEAR PUMP



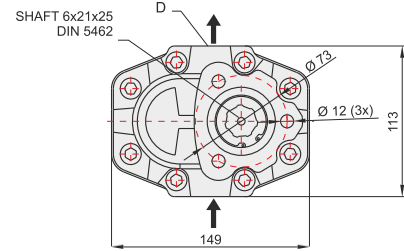
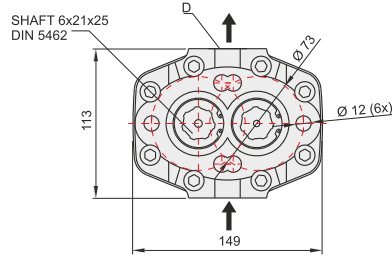
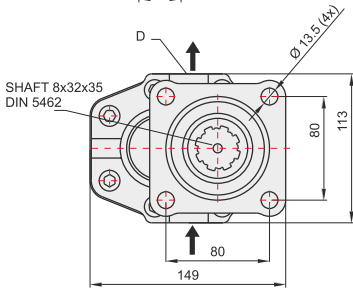
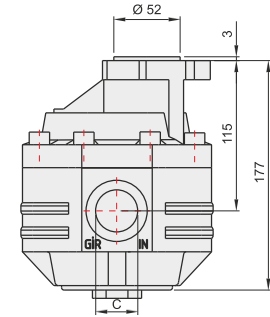
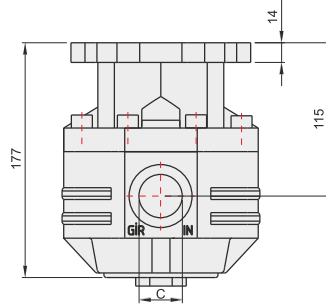
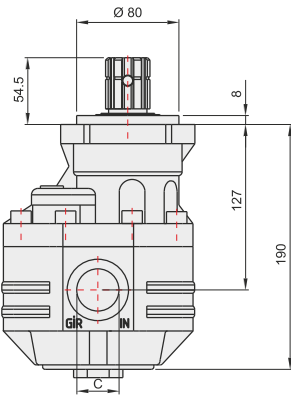
ISO



T2

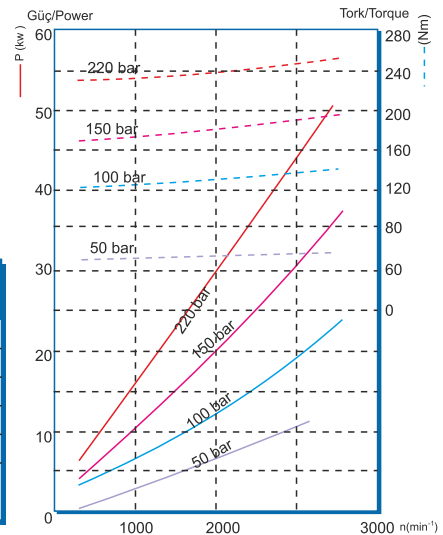


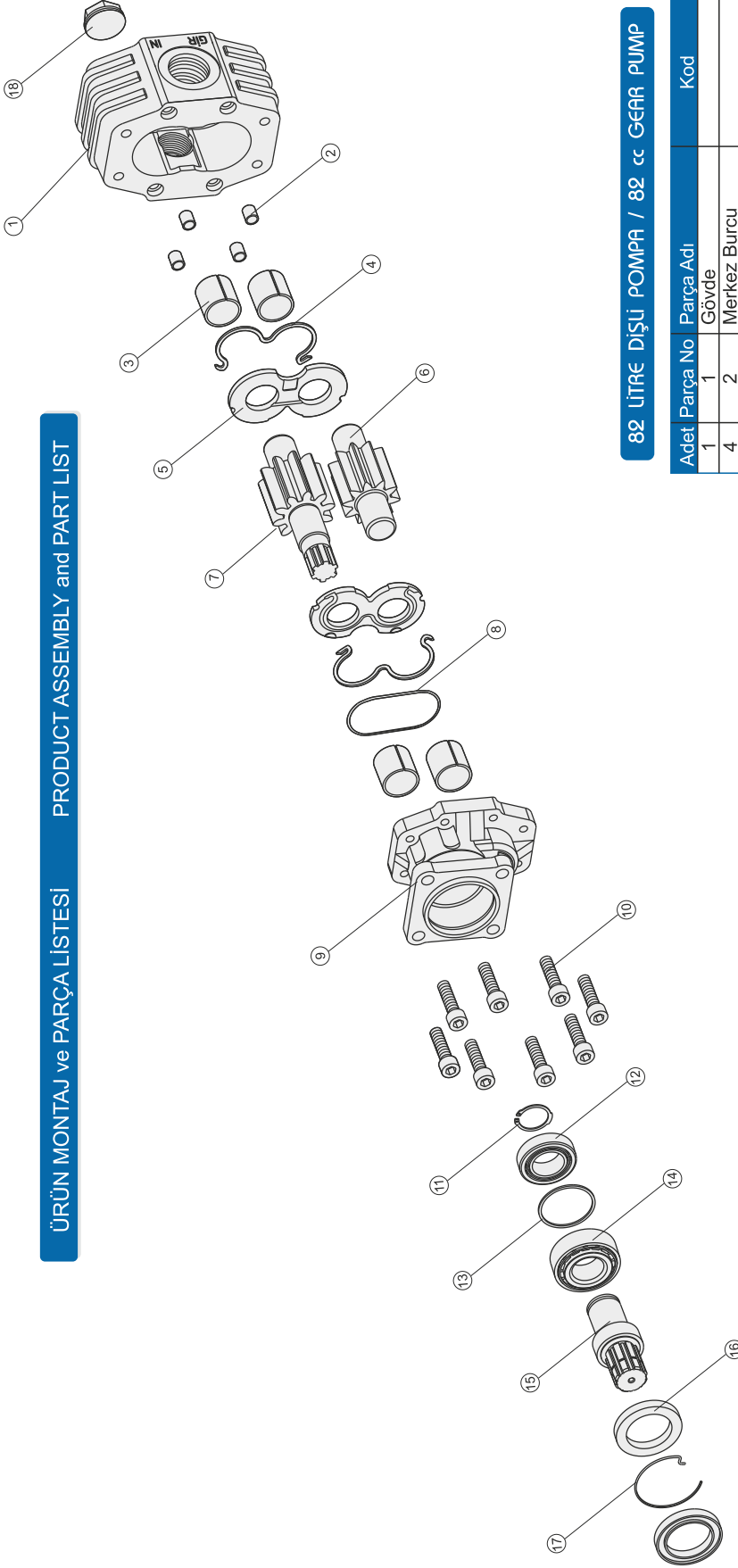
UNI



### GENEL BİLGİLER/GENERAL DATA

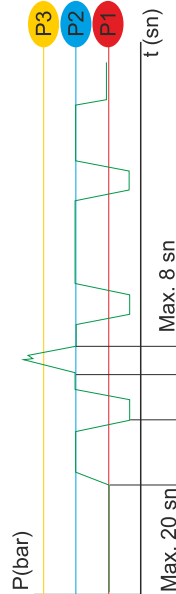
Pompa Kodu Pump Codes	ISO	T2	UNI
Pompa Tipi / Pump Type	30-61	30-61	30-61
Min. Boru Çapı / Min. Hose Dia.	26	26	26
Ağırlık / Weight(kg)	13	11,3	11
(C) Yağ Giriş / Oil Inlet	R 1"	R 1"	R 1"
(D) Yağ Çıkış / Oil Outlet	R 1"	R 1"	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil		



**ÜRÜN MONTAJ ve PARÇALİSTESİ PRODUCT ASSEMBLY and PART LIST**

**82 LİTRE DİŞLİ POMPA / 82 cc GEAR PUMP**

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	28x32x30 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	1.78x98.05 O-ring	
1	9	Dpa Kapak	
1	19	T1 Kapak	
1	20	T2 Kapak	
8	10	M10x40 Civata	
1	11	471-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mili	
2	16	50x72x7 Keçe	
1	17	Tel Segman	
1	18	1" Tapa	
36		TOPLAM PARÇA SAYISI	

**P3** Maksimum Ani Basınç - Max. Peak Pressure  
**P2** Maksimum Kesik Basınç - Max. Intermittent Pressure  
**P1** Maksimum Sürekli Basınç - Max. Continuous Pressure

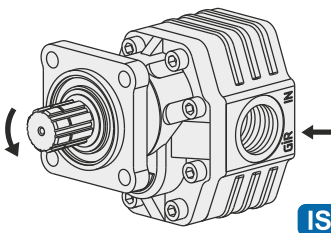
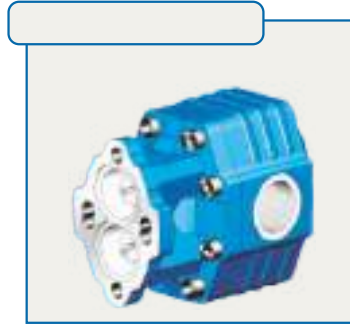
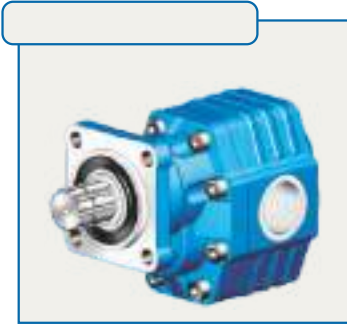


İdeal yağ sıcaklığı İdeal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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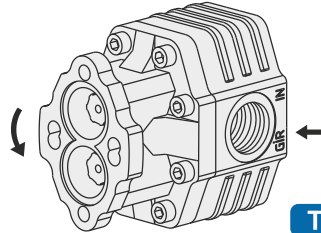
**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hz Max. Continuous Speed	Min. Kesik Hz Min. Intermitt. Speed	Max. Kesik Hz Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-82	81,00/17,80	1500	300	3000	210/3046	230/3336	300/4351	13,80/37,00

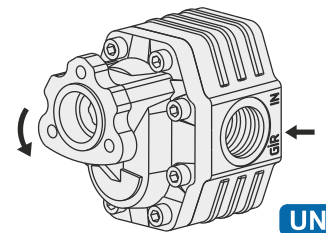
## 82 LİTRE DİŞLİ POMPA / 82 cc GEAR PUMP



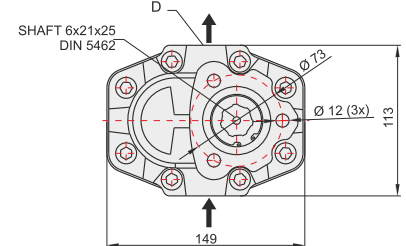
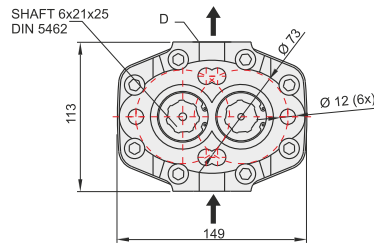
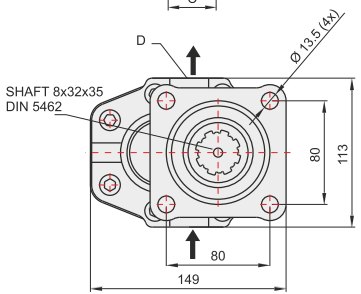
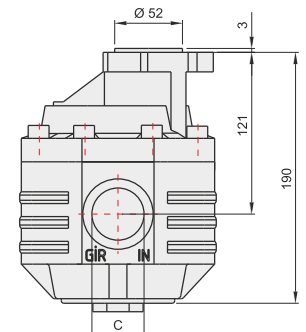
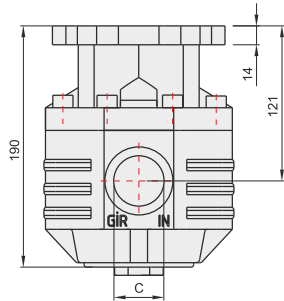
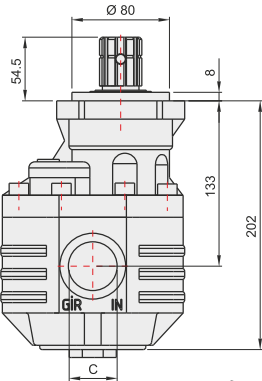
ISO



T2

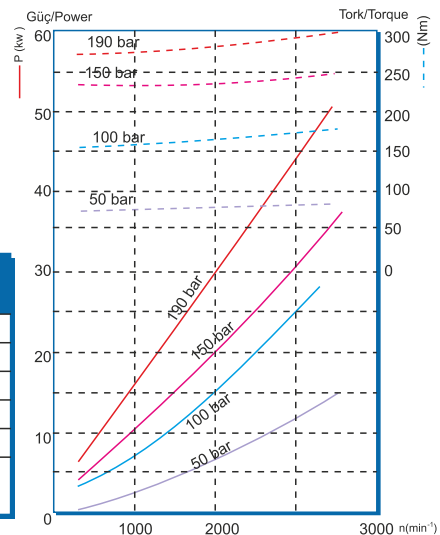


UNI



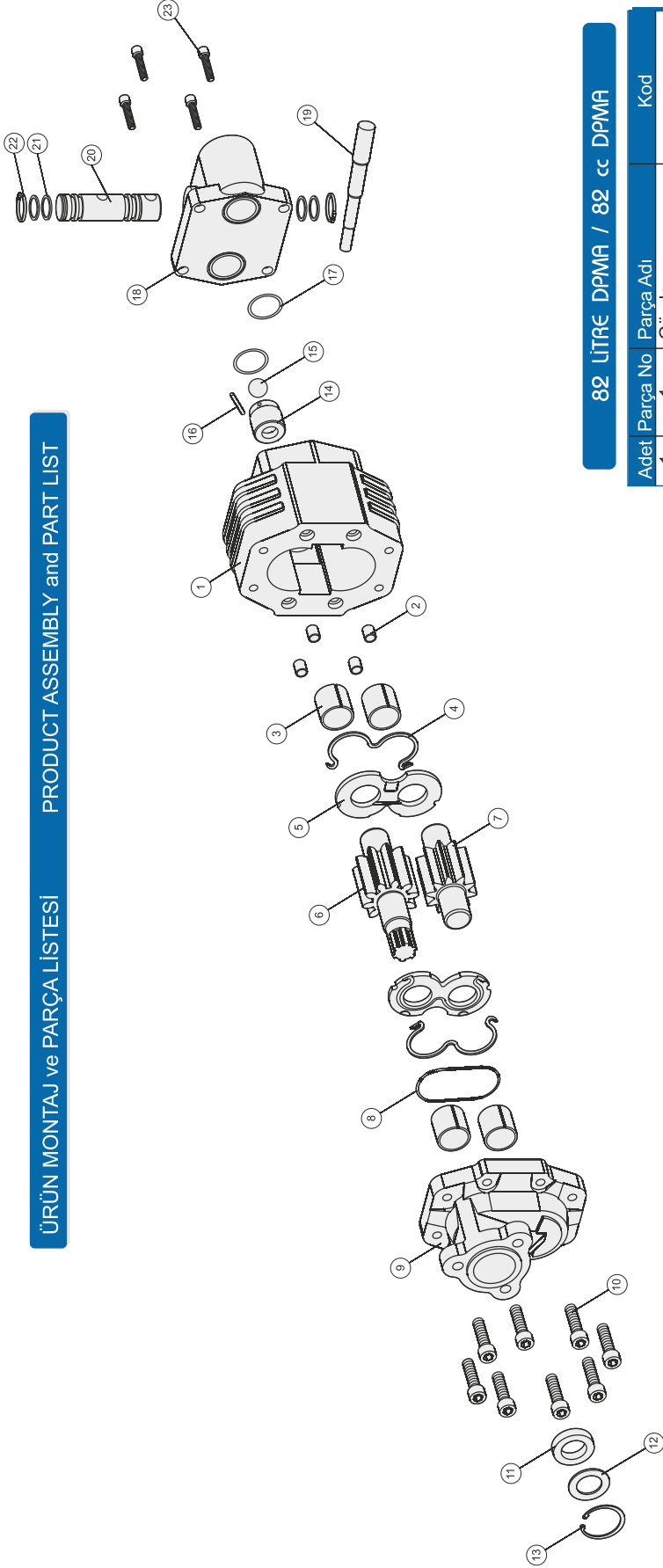
### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu / Pump Codes	ISO	T2	UNI
Pompa Tipi / Pump Type	30-82	30-82	30-82
Min. Boru Çapı / Min. Hose Dia.	33	33	33
Ağırlık / Weight(kg)	13,8	12	11,6
(C) Yağ Giriş / Oil Inlet	R 1 1/4"	R 1 1/4"	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"	R 1"	R 1"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil		



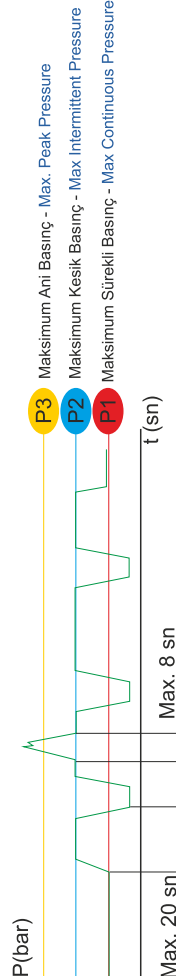
82 LİTRE DPMA

82 cc DPMA



82 LİTRE DPMA / 82 cc DPMA

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	28x32x30 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Uzun Dişli	
1	7	Kısa Dişli	
1	8	1.78x98.05 O-ring	
1	9	Kapak	
8	10	M10x40 Civata	
1	11	28x40x10 Keçe	
1	12	Keçe Destek Pulu	
1	13	472-40 Segman	
1	14	Geri Dönüş Sibobu	
1	15	17.462 Bilya	
1	16	3x30 Boru Pim	
2	17	32x2 O-Ring	
1	18	Vana Kapağı	
1	19	Vana Mili	
1	20	Vana Pistonu	
4	21	19x3 O-ring	
2	22	471-25 Segman	
4	23	M10x35 Civata	
46		TOPLAM PARÇA SAYISI	



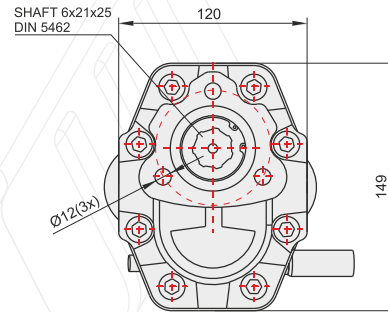
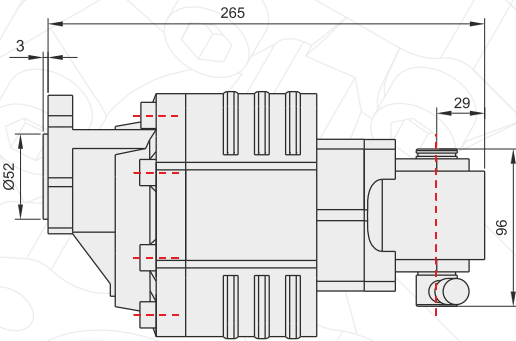
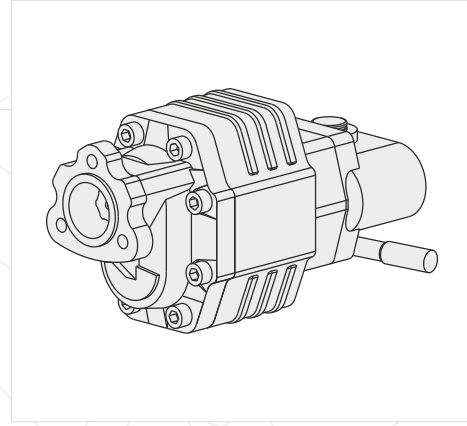
Maksimum sıcaklık Maksimum temp.	0° / 80°C
İdeal yağ sıcaklığı İdeal oil temp.	50° / 60°C

GENEL BİLGİLER/GENERAL DATA

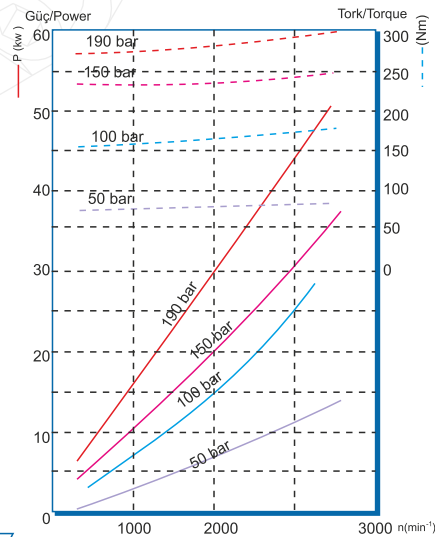
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basiş Max. Continuous Pressure	Max. Kesik Basiş Max. Intermitt. Pressure	Max. Ani Basiş Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-82	81,00/17,80	1500	300	3000	210/3046	230/3336	300/4351	16,5/36,4

82 LİTRE DPMA

82 cc DPMA

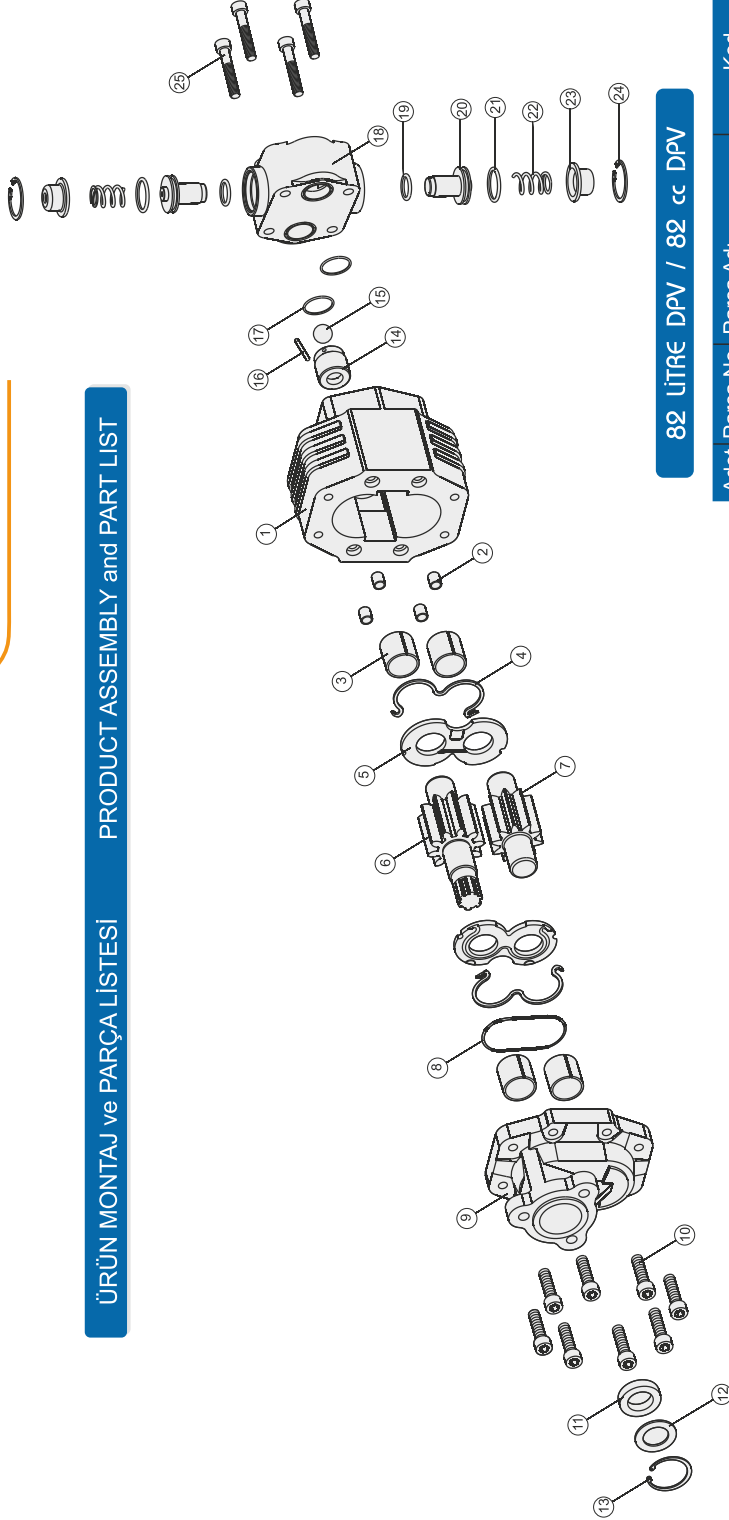

**GENEL BİLGİLER/GENERAL DATA**

Pompa Kodu Pump Codes	ISO
Pompa Tipi / Pump Type	30-82
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	16,5
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil



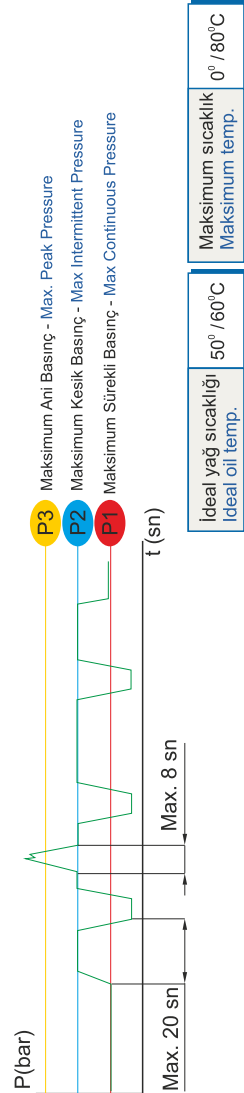
82 LİTRE DPV

82 cc DPV



82 LİTRE DPV / 82 cc DPV

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	28x32x30 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Uzun Dişli	
1	7	Kısa Dişli	
1	8	1.78x98.05 O-ring	
1	9	Kapak	
8	10	M10x40 Civata	
1	11	28x40x10 Keçe	
1	12	Keçe Destek Pulu	
1	13	472-40 Segman	
1	14	Geri Dönüş Sibobu	
1	15	17.462 Bilya	
1	16	3x30 Boru Pim	
2	17	32x2 O-Ring	
1	18	Pnömatik Kapak	
2	19	3.53x21.82 O-ring	
2	20	Pnömatik Mil	
2	21	3.53x31 O-ring	
2	22	Yay	
2	23	Pnömatik Yan Kapak	
2	24	472-40 Segman	
4	25	M10x60 Civata	
50		TOPLAM PARÇA SAYISI	



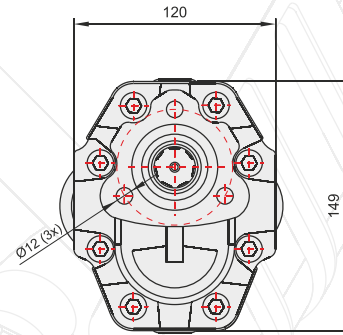
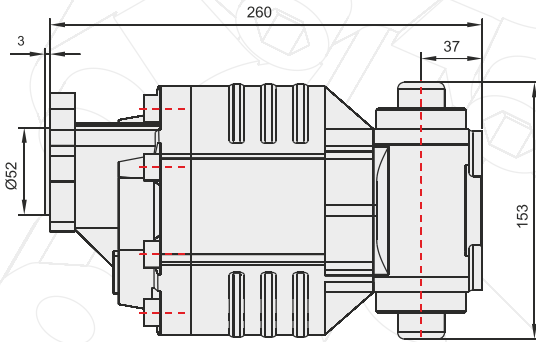
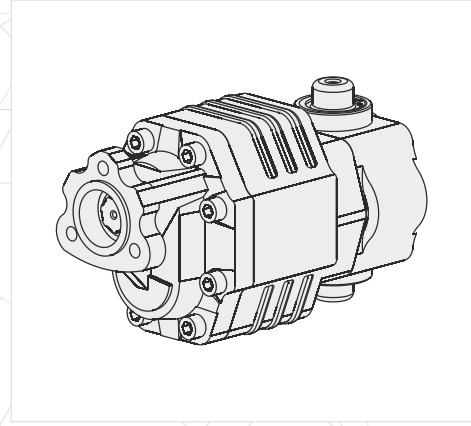
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Sürekli Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
	l/dk/gpm	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
30-82	81,00/17,80	1500	300	3000	210/3046	230/3336	300/4351	16,2/35,7



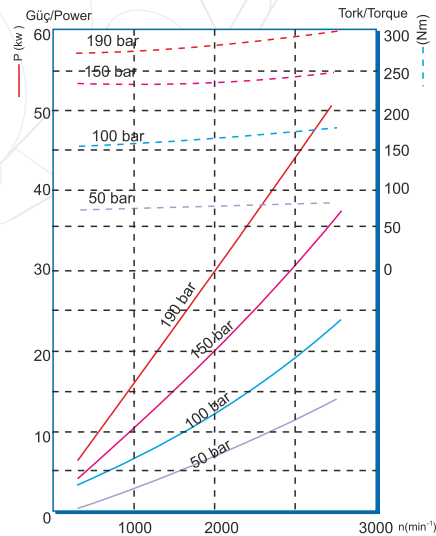
82 LİTRE DPV

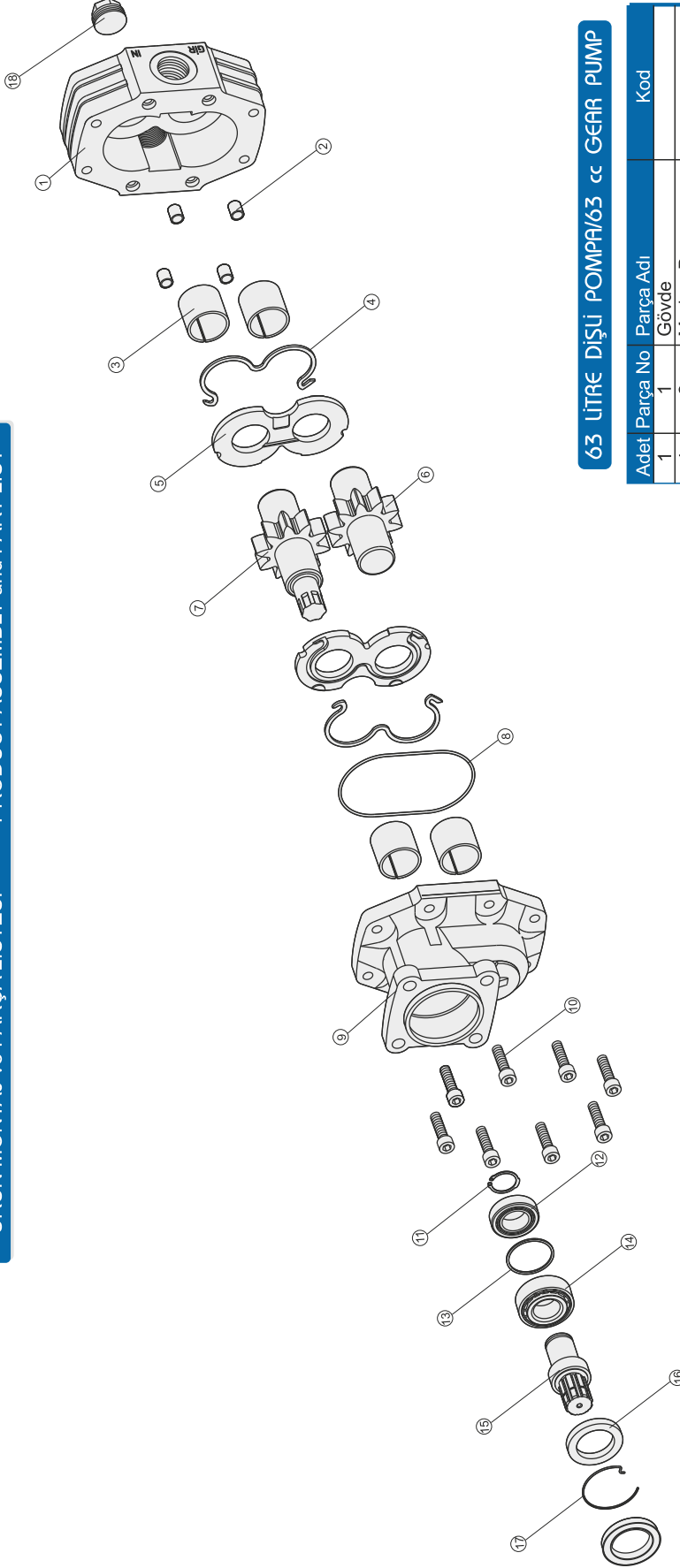
82 cc DPV



### GENEL BİLGİLER/GENERAL DATA

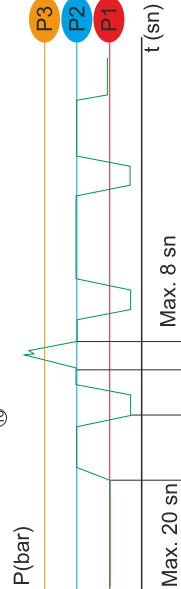
Pompa Kodu Pump Codes	ISO
Pompa Tipi / Pump Type	30-82
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	16,2
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil



**63 LİTRE DİŞLİ POMPA**
**63 cc GEAR PUMP**
**HİDROLİK POMPALAR**
**HYDRAULIC PUMPS**
**ÜRÜN MONTAJ ve PARÇA LİSTESİ**
**PRODUCT ASSEMBLY and PART LIST**

**63 LİTRE DİŞLİ POMPA/63 cc GEAR PUMP**

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	38x38 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	2.62x118 O-ring	
1	9	Dp Kapak	
1	19	Dpa Kapak	
8	10	M12x45 Civata	
1	11	471-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mili	
2	16	50x72x7 Keçe	
1	17	Tel Segman	
1	18	3/4" Tapa	
35		TOPLAM PARÇA SAYISI	

P3 Maksimum Ani Basınç - Max. Peak Pressure  
P2 Maksimum Kesik Basınç - Max. Intermittent Pressure  
P1 Maksimum Sürekli Basınç - Max. Continuous Pressure



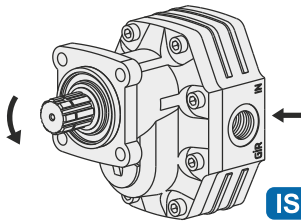
İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maksimum temp.	0° / 80°C
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**GENEL BİLGİLER/GENERAL DATA**

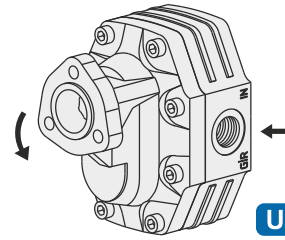
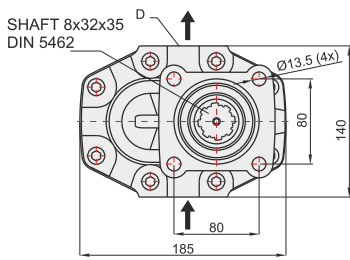
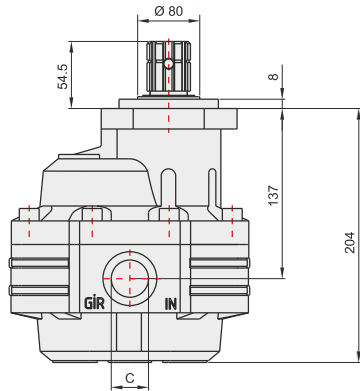
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb)
40-63	60.60/13.30	1800	300	3500	220/3191	240/3481	350/5076	16.30/43.70

## 63 LİTRE DİŞLİ POMPA

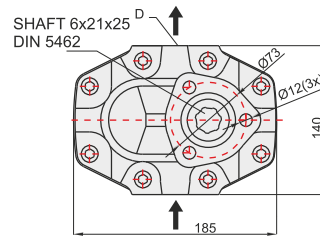
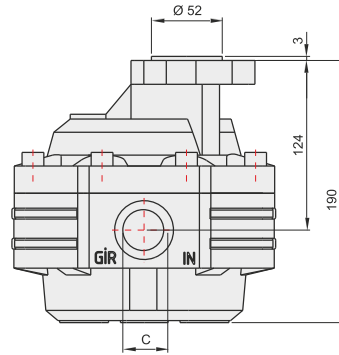
## 63 cc GEAR PUMP



ISO

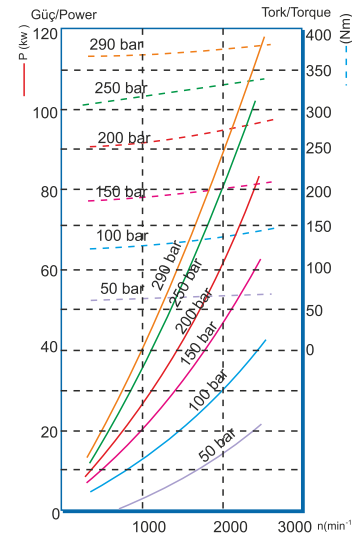


UNI

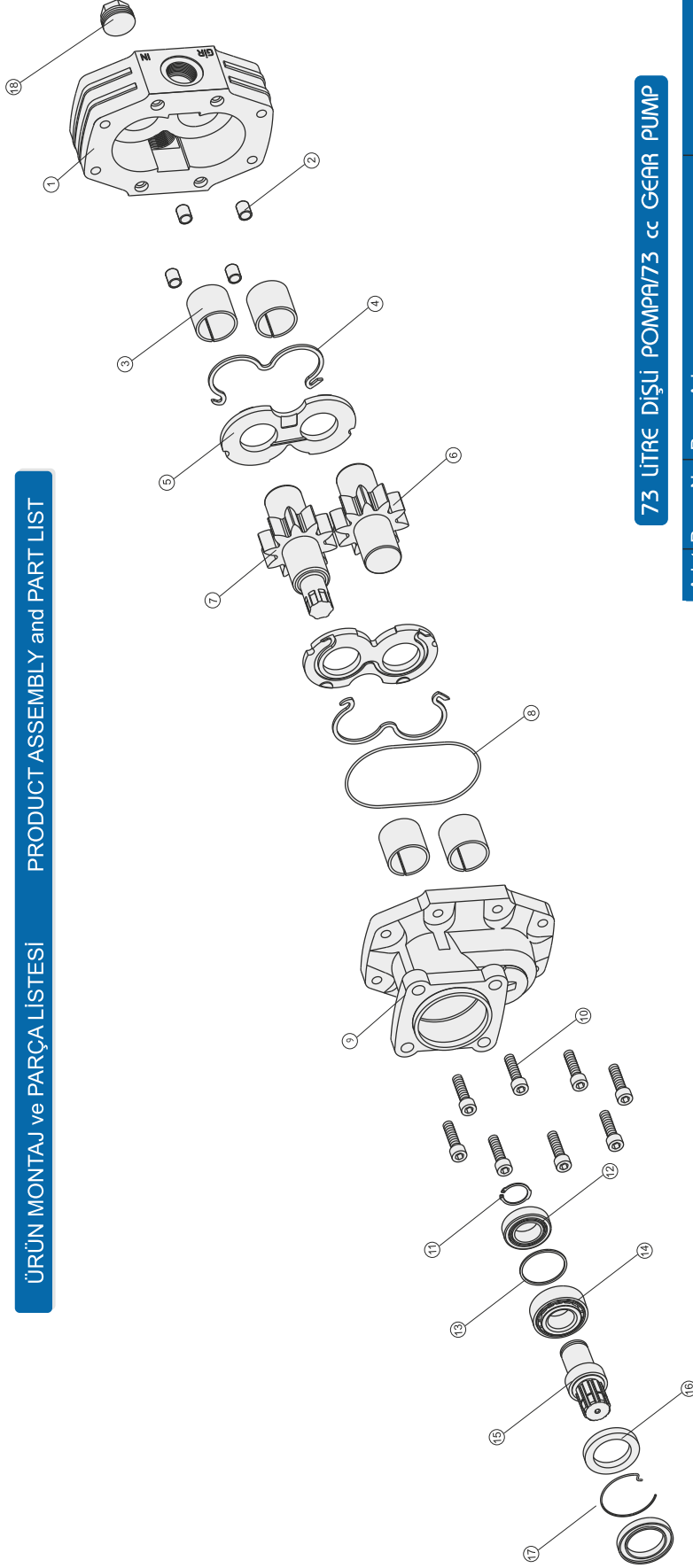


### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu / Pump Codes	ISO	UNI
Pompa Tipi / Pump Type	40-63	40-63
Min. Boru Çapı / Min. Hose Dia.	26	26
Ağırlık / Weight(kg)	12	11,6
(C) Yağ Giriş / Oil Inlet	R 1"	R 1"
(D) Yağ Çıkış / Oil Outlet	R 3/4"	R 3/4"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil	

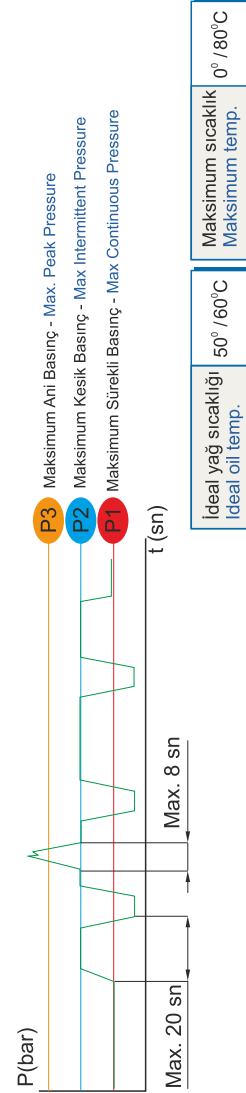


#### ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



#### 73 LİTRE DİŞLİ POMPA/73 cc GEAR PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez Burcu
4	3	38x38 Burç
2	4	M O-ring
2	5	Alüminyum Plate
1	6	Kısa Dişli
1	7	Uzun Dişli
1	8	2.62x118 O-ring
1	9	Dpa Kapak
1	19	Dp Kapak
8	10	M12x45 Cıvata
1	11	471-35 Segman
1	12	32007 Rulman
1	13	56x62x2 Pul
1	14	32207 Rulman
1	15	Dpa Mili
2	16	50x72x7 Keçe
1	17	Tel Segman
1	18	3/4" Tapa
35		TOPLAM PARÇA SAYISI

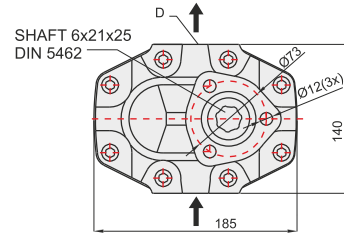
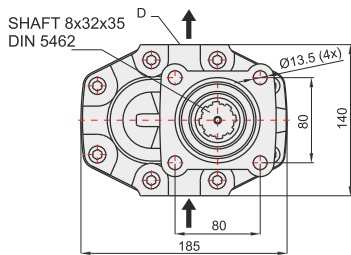
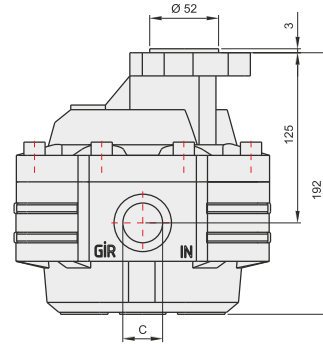
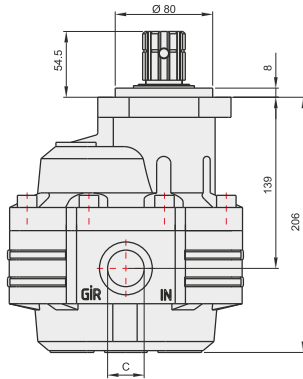
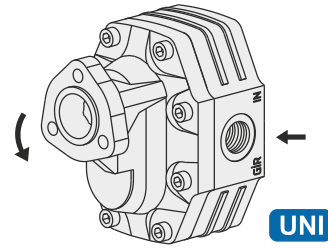
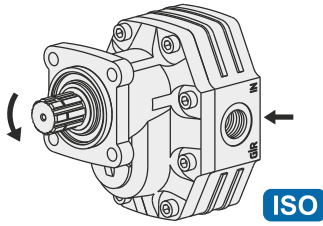
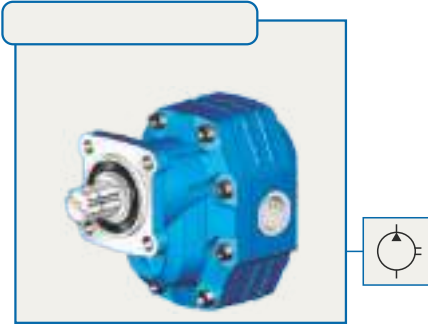


#### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hiz / Max. Continuous Speed	Min. Kesik Hiz / Min. Intermitt. Speed	Max. Kesik Hiz / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
40-73	71,70/15,80	1800	300	3800	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
					300/4351	320/4641	450/6526	16,80/45,00

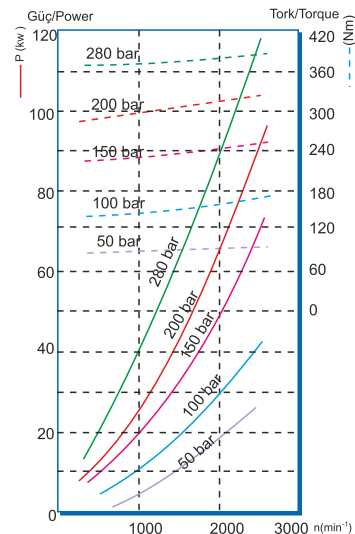
## 73 LİTRE DİŞLİ POMPA

## 73 cc GEAR PUMP

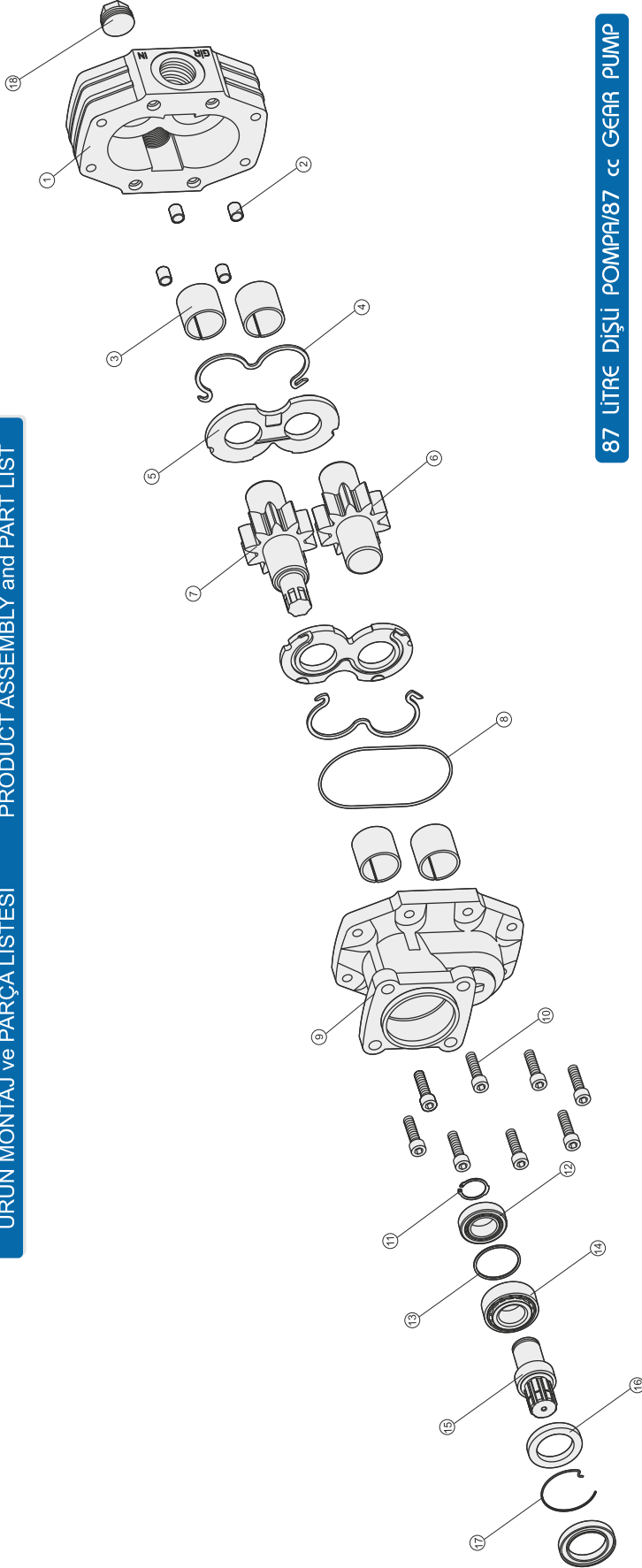


### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	ISO	UNI
Pompa Tipi / Pump Type	40-73	40-73
Min. Boru Çapı / Min. Hose Dia.	26	26
Ağırlık / Weight(kg)	16,8	16,5
(C) Yağ Giriş - Oil Inlet	R 1"	R 1"
(D) Yağ Çıkış - Oil Outlet	R 3/4"	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil	

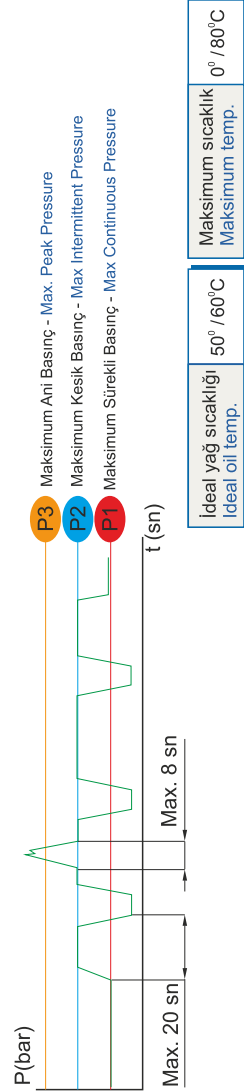


#### ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



#### 87 LİTRE DİŞLİ POMPA/87 cc GEAR PUMP

Ađlet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez Burcu
4	3	38x38 Burç
2	4	M O-ring
2	5	Alüminyum Plak
1	6	Kısa Dişli
1	7	Uzun Dişli
1	8	2.62x118 O-ring
1	9	Dpa Kapak
1	19	Dpa Kapak
8	10	M12x45 Civata
1	11	471-35 Segman
1	12	32007 Rulman
1	13	56x62x2 Pul
1	14	32207 Rulman
1	15	Dpa Mili
2	16	50x72x7 Keçe
1	17	Tel Segman
1	18	1" Tab
35		TOPLAM PARÇA SAYISI

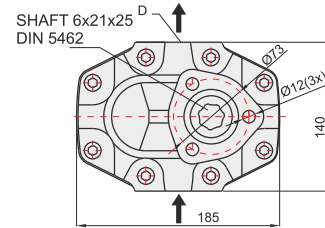
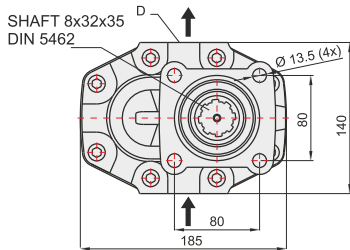
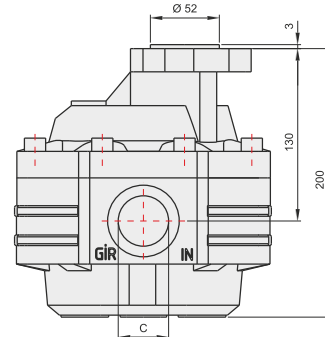
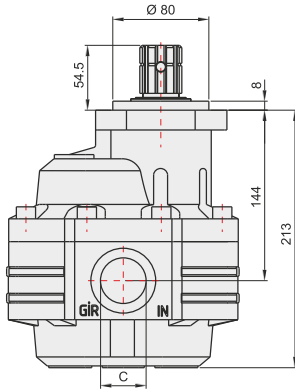
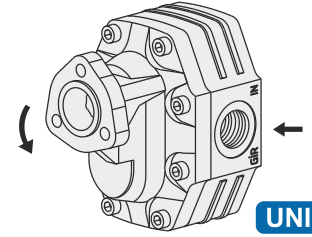
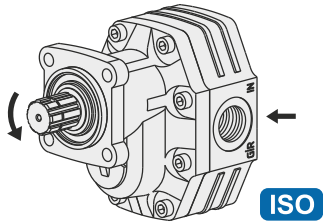
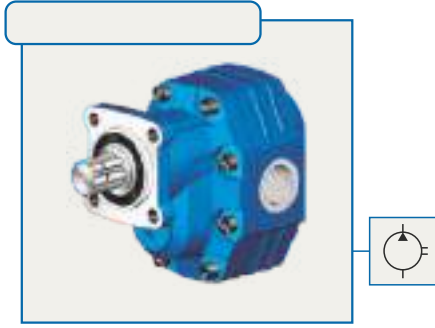


#### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Kesik Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Sürekli Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
43-87	lt/dk/gpm	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg/(lb) Pound
	85.50/18.80	1500	300	3500	250/3626	280/4062	375/5439	17.30/46.30

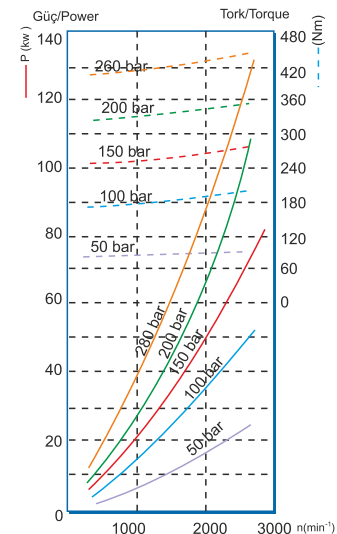
## 87 LİTRE DİŞLİ POMPA

## 87 cc GEAR PUMP



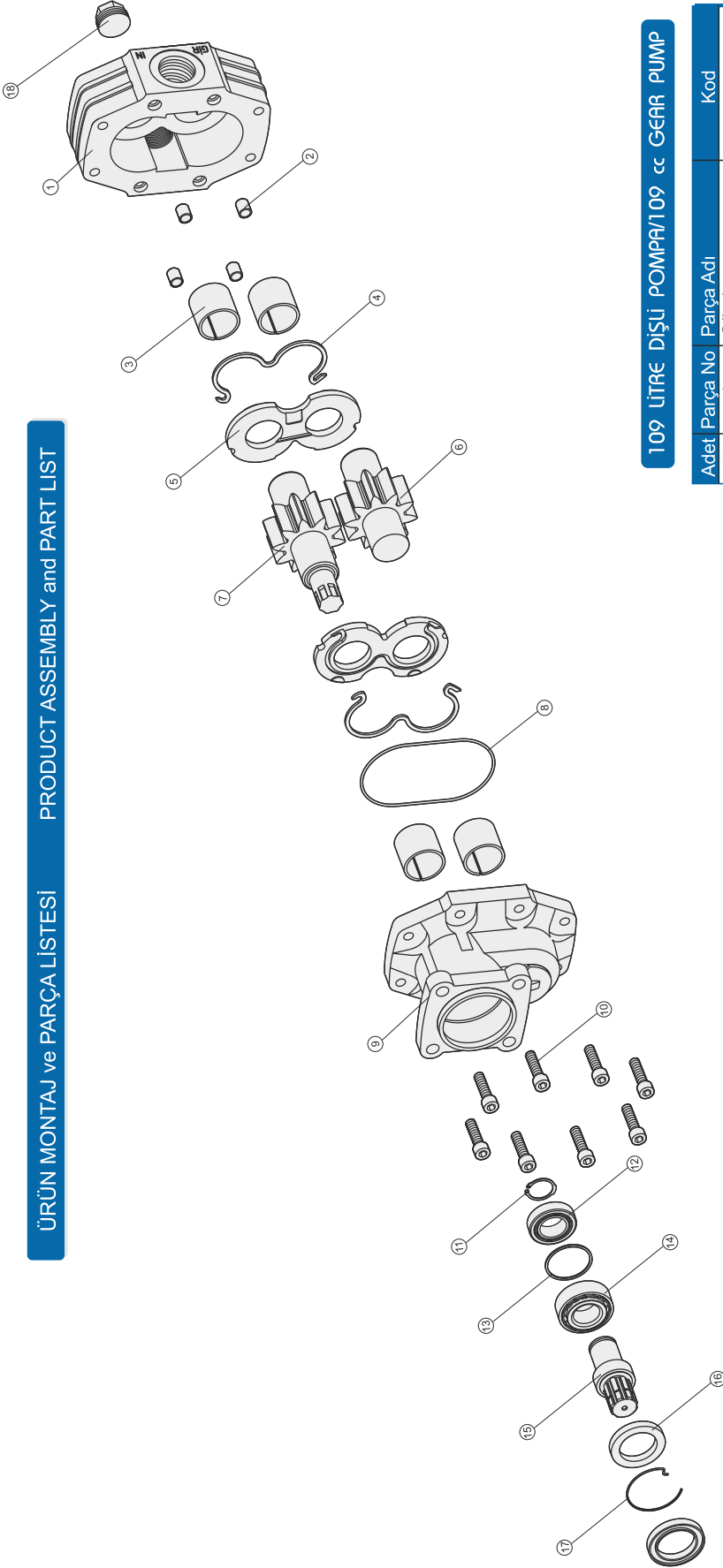
### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	ISO	UNI
Pompa Tipi / Pump Type	40-87	40-87
Min. Boru Çapı / Min. Hose Dia.	33	33
Ağırlık / Weight(kg)	17,3	17
(C) Yağ Giriş / Oil Inlet	R 1 1/4"	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil	



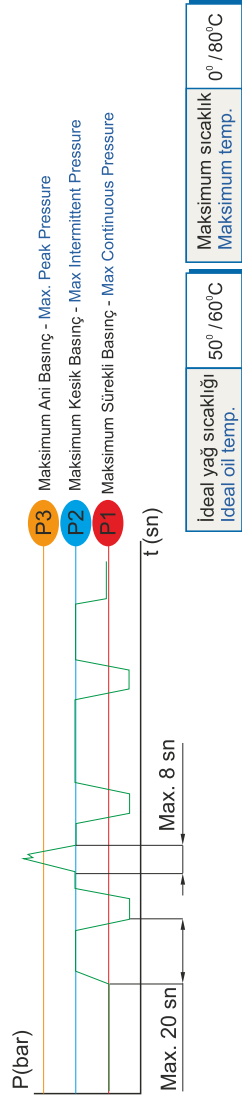
## 109 LİTRE DİŞLİ POMPA / 109 cc GEAR PUMP

PRODUCT ASSEMBLY and PART LIST



109 LİTRE DİŞLİ POMPA/109 cc GEAR PUMP

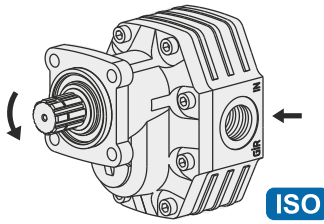
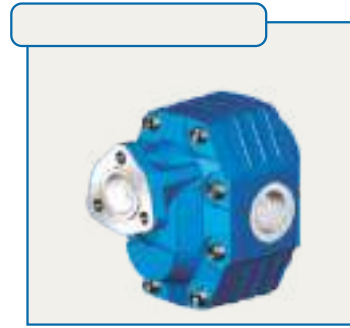
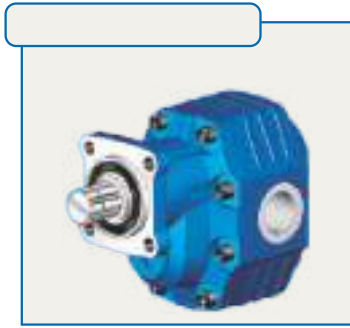
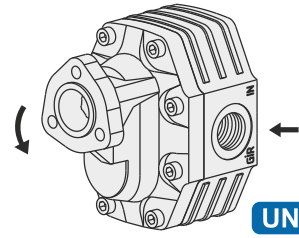
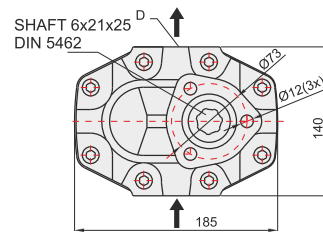
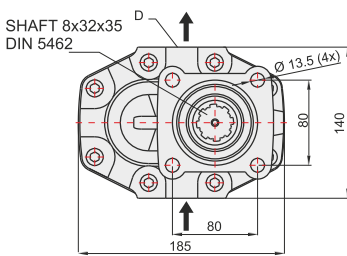
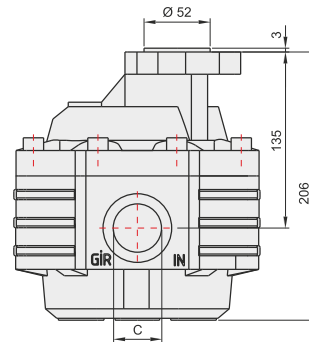
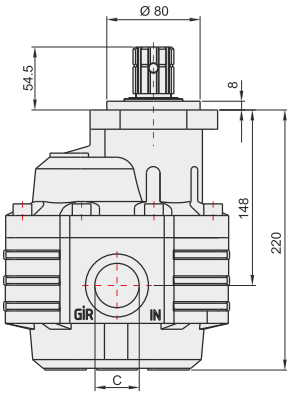
Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	38x38 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	2.62x118 O-ring	
1	9	Dpa Kapak	
1	19	Dp Kapak	
8	10	M12x45 Cıvata	
1	11	471-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mil	
2	16	50x72x7 Kece	
1	17	Tel Segman	
1	18	1" Tapa	
35		TOPLAM PARÇA SAYISI	



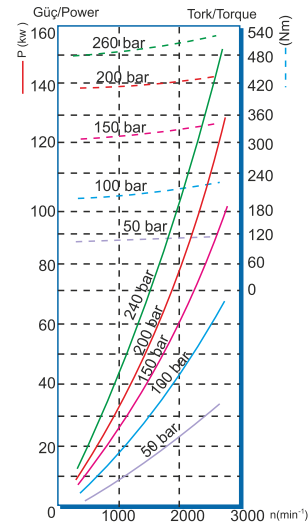
GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
40-109	107.60/23.70	1500	250	3500	250/3626	270/3916	375/5439	kg(lb) Pound
		n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	18.50/49.60



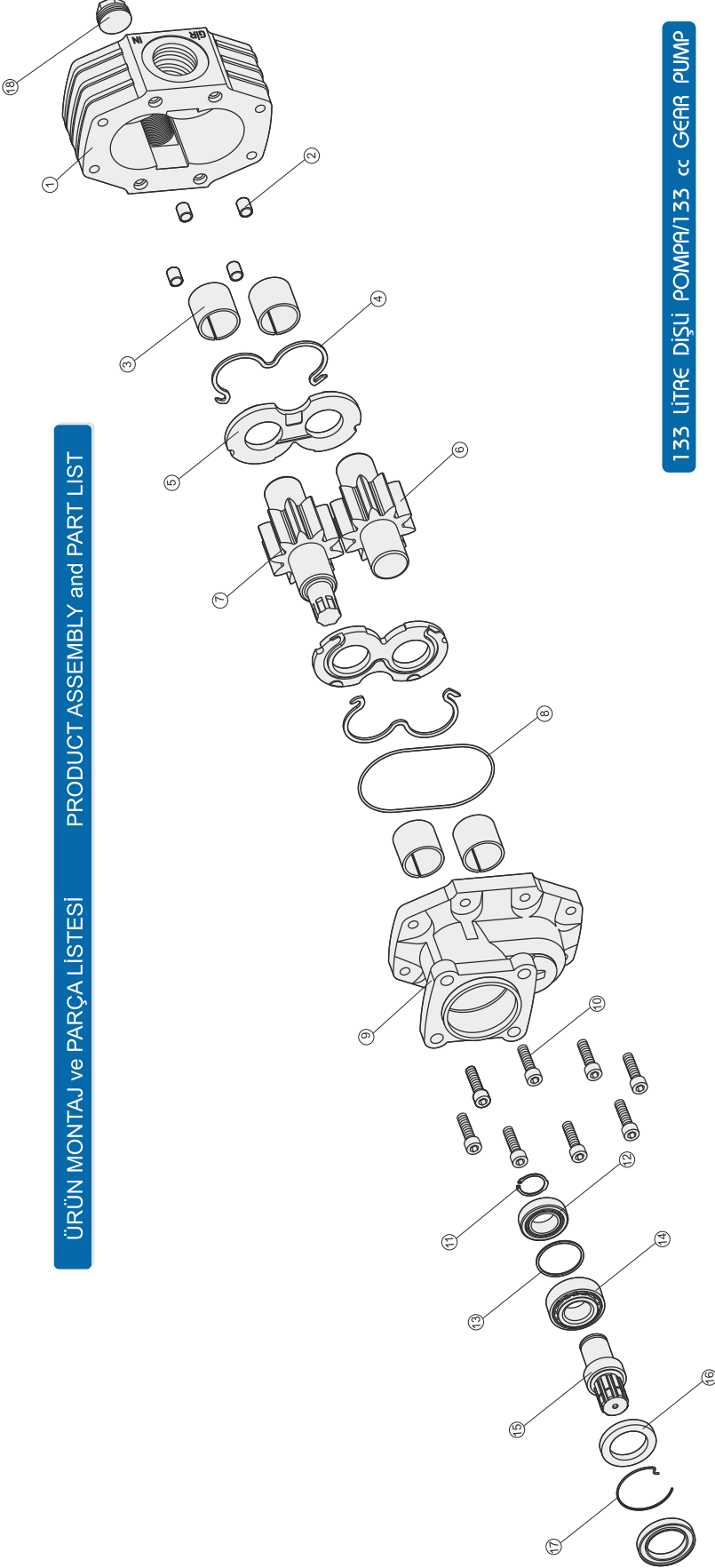
**109 LİTRE DİŞLİ POMPA / 109 cc GEAR PUMP**

**ISO**

**UNI**

**GENEL BİLGİLER/GENERAL DATA**

Pompa Kodu Pump Codes	ISO	UNI
Pompa Tipi / Pump Type	40-109	40-109
Min. Boru Çapı / Min. Hose Dia.	33	33
Ağırlık / Weight(kg)	18,5	18
(C) Yağ Giriş / Oil Inlet	R 1 1/4"	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil	



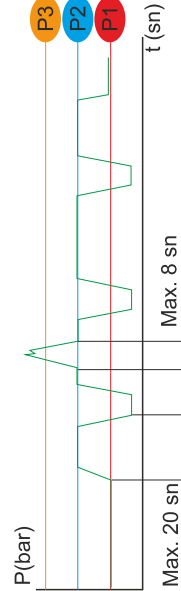
## ÜRÜN MONTAJ ve PARÇA LİSTESİ

## PRODUCT ASSEMBLY and PART LIST



## 133 LİTRE DİŞLİ POMPA/133 cc GEAR PUMP

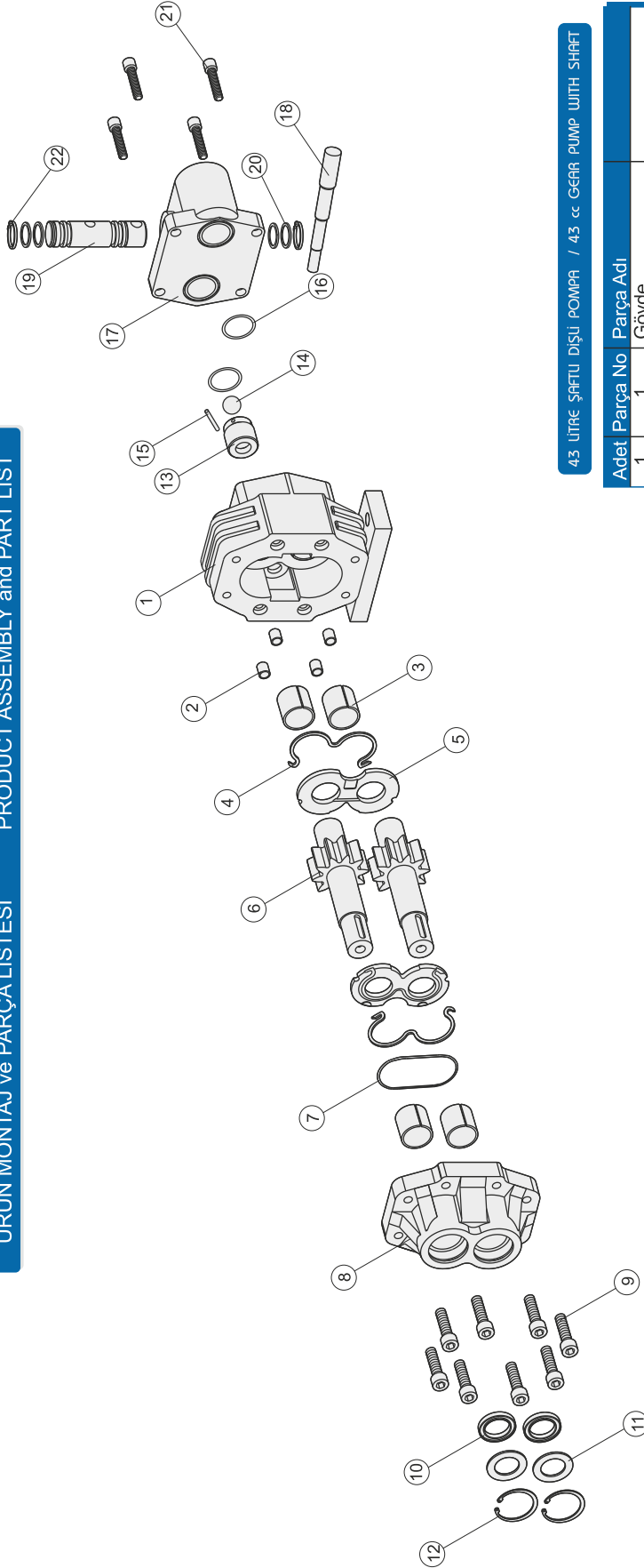
Ađlet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	38x38 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
1	6	Kısa Dişli	
1	7	Uzun Dişli	
1	8	2.62x118 O-ring	
1	9	Dpa Kapak	
1	19	Dpa Kapak	
8	10	M12x45 Civata	
1	11	471-35 Segman	
1	12	32007 Rulman	
1	13	56x62x2 Pul	
1	14	32207 Rulman	
1	15	Dpa Mili	
2	16	50x72x7 Keçe	
1	17	Tel Segman	
1	18	1" Tabpa	
35		TOPLAM PARÇA SAYISI	



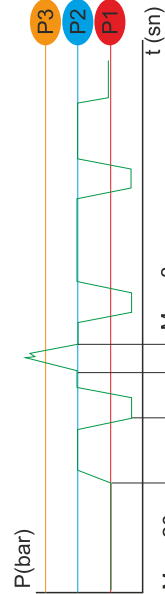
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
40-133	132,38/29,10 lt/dk(gpm)	1500 n/(min <sup>-1</sup> )	250 n/(min <sup>-1</sup> )	3000 n/(min <sup>-1</sup> )	210/3046 bar (psi)	210/3046 bar (psi)	315/4569 bar (psi)	19,80/53,00 kg(lb) Pound

İdeal yağ sıcaklığı ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maksimum temp.	0° / 80°C
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**43 LİTRE ŞAFTLI DİŞLİ POMPA**
**43 cc GEAR PUMP WITH SHAFT**
**HİDROLİK POMPALAR**
**HYDRAULIC PUMPS**
**ÜRÜN MONTAJ ve PARÇA LİSTESİ**
**PRODUCT ASSEMBLY and PART LIST**

**43 LİTRE ŞAFTLI DİŞLİ POMPA / 43 cc GEAR PUMP WITH SHAFT**

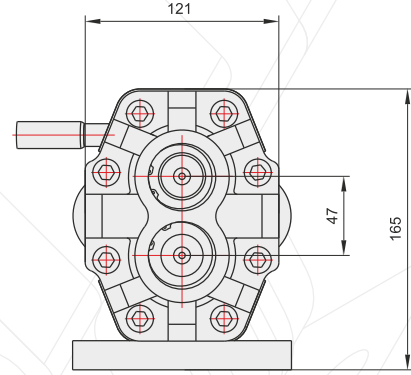
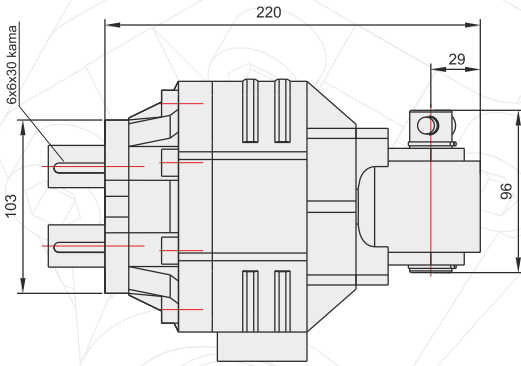
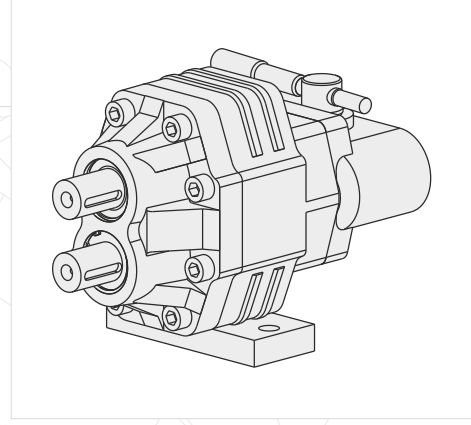
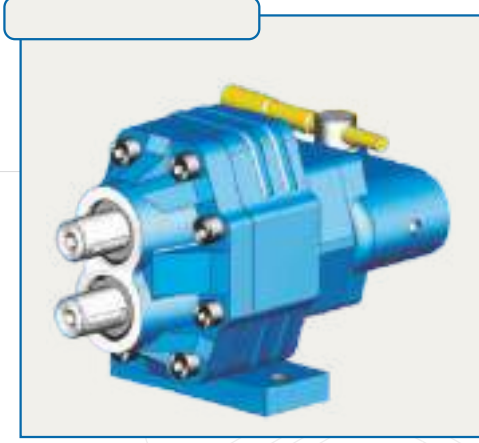
Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez Burcu
4	3	28x32x30 Burç
2	4	M O-ring
2	5	Alüminyum Plate
2	6	Ş-43 Dişli
1	7	1.78x98.05 O-ring
1	8	Kapak
8	9	M10x40 Civata
2	10	28x40x7 Keçe
2	11	Keçe Destek Pulü
2	12	472-40 Segman
1	13	Geri Dönüş Sibobu
1	14	17.462 Bilva
1	15	3x30 Boru Pim
2	16	32x2 O-Ring
1	17	Vana Kapağı
1	18	Vana Mili
1	19	Vana Pistonu
4	20	19x3 O-ring
4	21	10x35 Civata
2	22	471-25 Segman
49		TOPLAM PARÇA SAYISI



İdeal yağ sıcaklığı ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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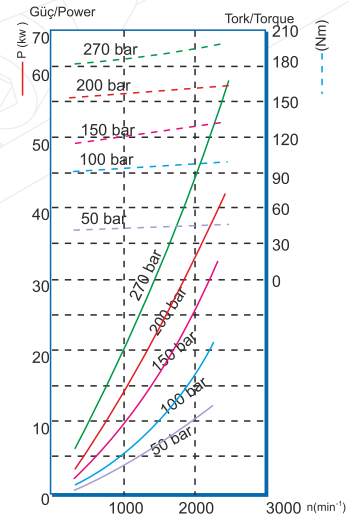
**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
30-43	43,70/09,60	2200	350	3500	280/4061	305/4424	400/5801	kg/(lb) Pound
	lt/dk(gpm)	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	15,35/33,84



### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	ISO
Pompa Tipi / Pump Type	30-43
Min. Boru Çapı / Min. Hose Dia.	26
Ağırlık / Weight(kg)	15,35
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil





## 61 LİTRE ŞAFTLU DİŞLİ POMPA

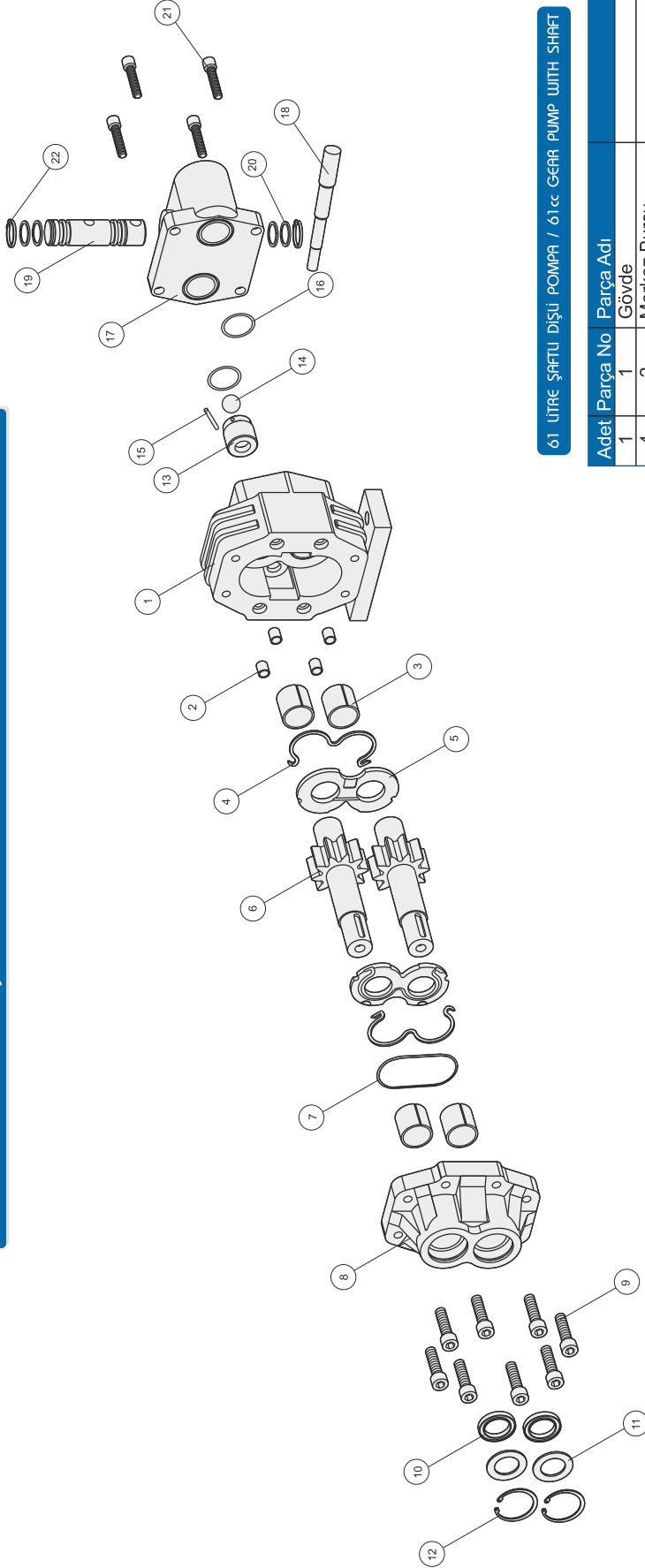
## 61cc GEAR PUMP WITH SHAFT

### HİDROLİK POMPALAR

### HYDRAULIC PUMPS

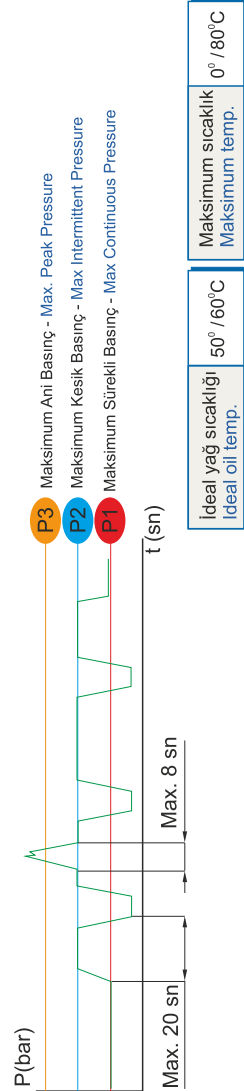
#### ÜRÜN MONTAJ ve PARÇA LİSTESİ

#### PRODUCT ASSEMBLY and PART LIST



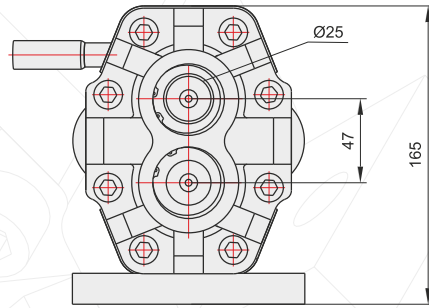
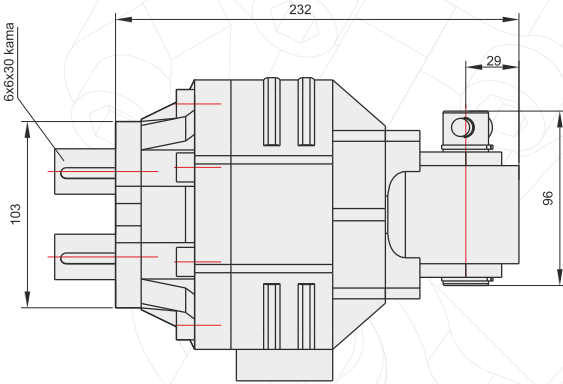
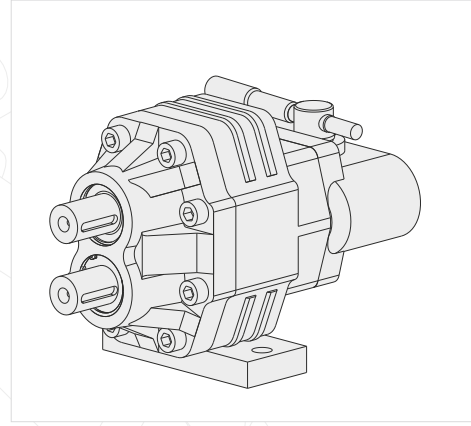
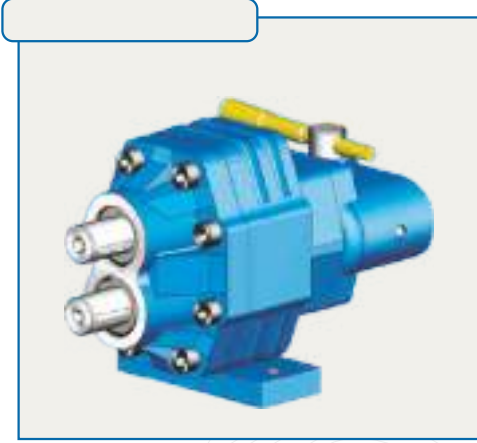
61 LİTRE ŞAFTLU DİŞLİ POMPA / 61cc GEAR PUMP WITH SHAFT

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez Burcu
4	3	28x32x30 Burç
2	4	M O-ring
2	5	Alüminyum Plate
2	6	Ş-61 Dişli
1	7	1.78x98.05 O-ring
1	8	Kapak
8	9	M10x40 Civata
2	10	28x40x7 Keçe
2	11	Keçe Destek Pulu
2	12	472-40 Segman
1	13	Geri Dönüş Sibobu
1	14	17.462 Bilya
1	15	3x30 Boru Pim
2	16	32x2 O-Ring
1	17	Vana Kapağı
1	18	Vana Mili
1	19	Vana Pistonu
4	20	19x3 O-ring
4	21	10x35 Civata
2	22	471-25 Segman
49		TOPLAM PARÇA SAYISI

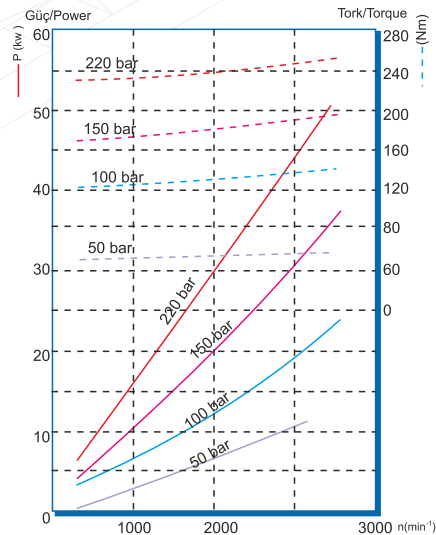


#### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Kesik Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
30-61	60.80/13.40 lt/dk(gpm)	1800 n(min <sup>-1</sup> )	300 n(min <sup>-1</sup> )	3500 n(min <sup>-1</sup> )	220/3191 bar (psi)	240/3481 bar (psi)	350/5076 bar (psi)	kg(lb) / Pound
								16.25/35.8

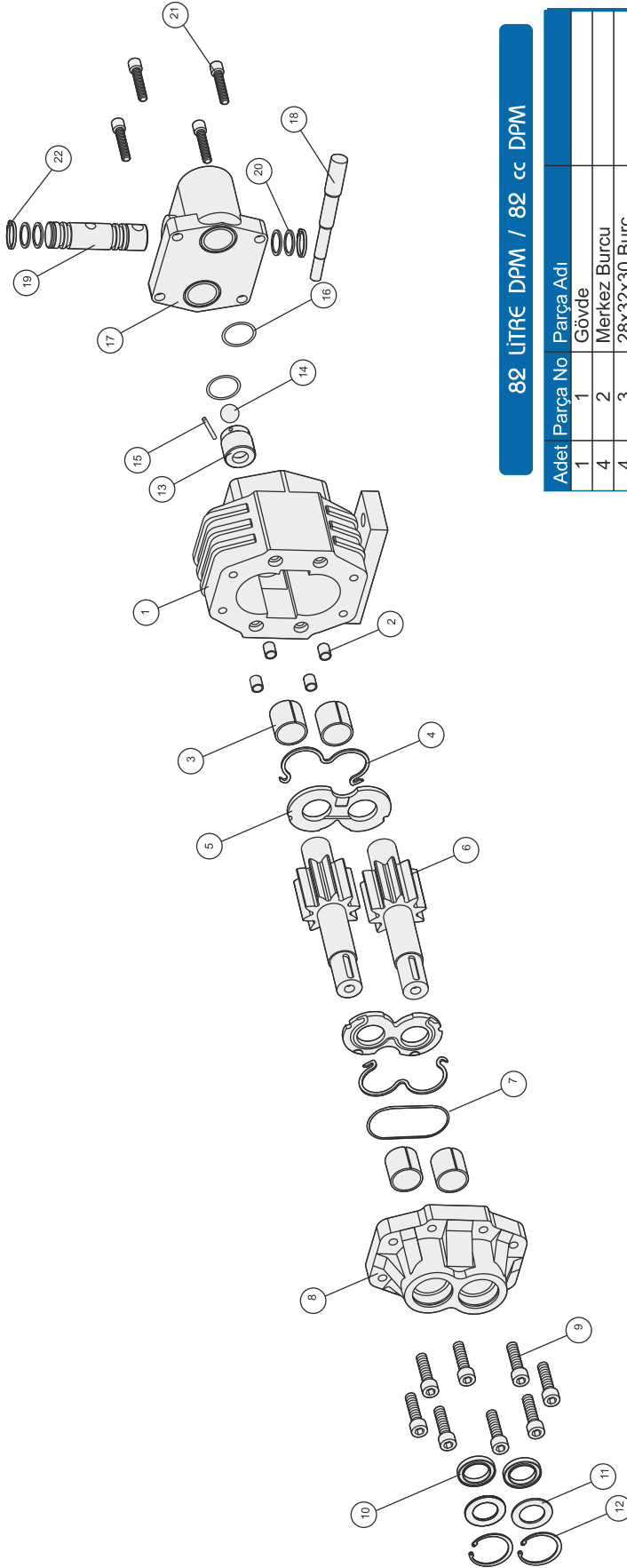
**61 LİTRE ŞAFTLI DIŞLI POMPA**
**61cc GEAR PUMP WITH SHAFT**

**GENEL BİLGİLER/GENERAL DATA**

Pompa Kodu / Pump Codes	ISO
Pompa Tipi / Pump Type	30-61
Min. Boru Çapı / Min. Hose Dia.	26
Ağırlık / Weight(kg)	16,25
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil



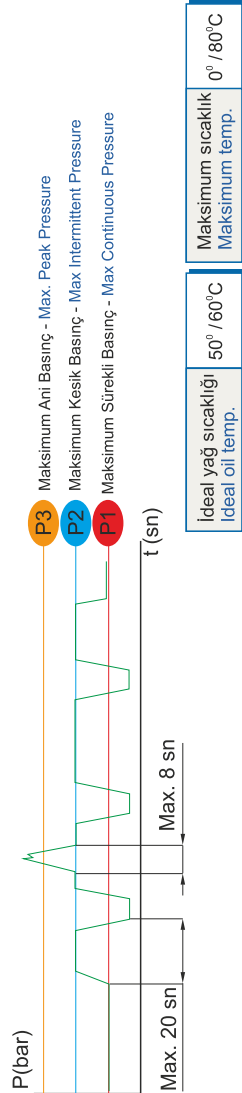
## 82 LİTRE ŞAFTLU DİŞLİ POMPA

## 82 cc GEAR PUMP WITH SHAFT



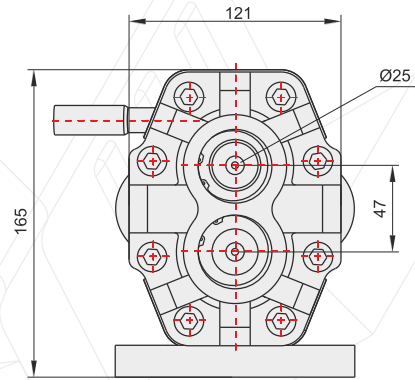
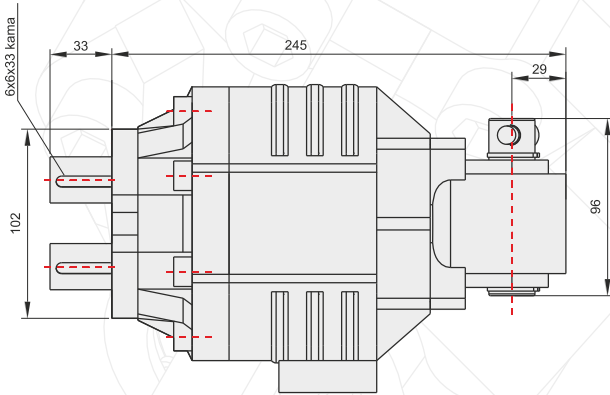
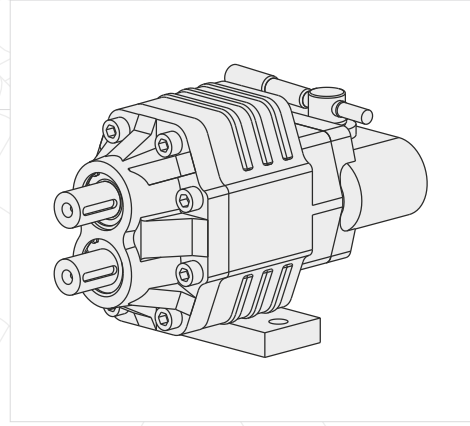
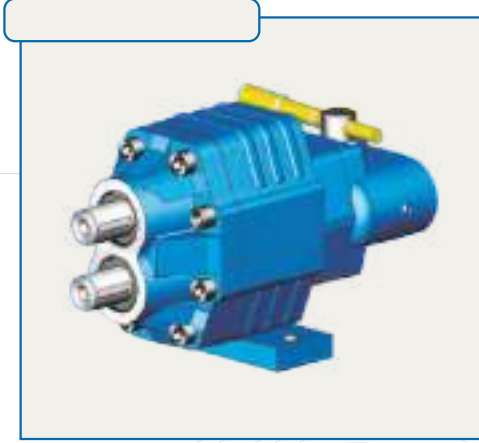
## 82 LİTRE DPM / 82 cc DPM

Adet	Parça No	Parça Adı
1	1	Gövde
4	2	Merkez Burcu
4	3	28x32x30 Burcu
2	4	M O-ring
2	5	Alüminyum Plate
2	6	Ş-82 Dişli
1	7	1.78x98.05 O-ring
1	8	Kapak
8	9	M10x40 Civata
2	10	28x40x7 Kece
2	11	Kece Destek Pulu
2	12	472-40 Segman
1	13	Geri Dönüş Sibobu
1	14	17.462 Bilva
1	15	3x30 Boru Pim
2	16	32x2 O-Ring
1	17	Vana Kapağı
1	18	Vana Mili
1	19	Vana Pistonu
4	20	19x3 O-ring
4	21	10x35 Civata
2	22	471-25 Segman
49		TOPLAM PARÇA SAYISI



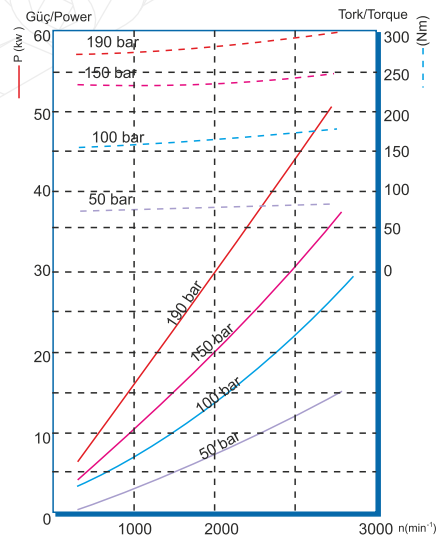
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
30-82	81,00/17,80 lt/dk/gpm	1500 n/(min <sup>-1</sup> )	300 n/(min <sup>-1</sup> )	3000 n/(min <sup>-1</sup> )	210/3046 bar (psi)	230/3336 bar (psi)	300/4351 bar (psi)	kg/(lb) Pound
								17,2/37,9



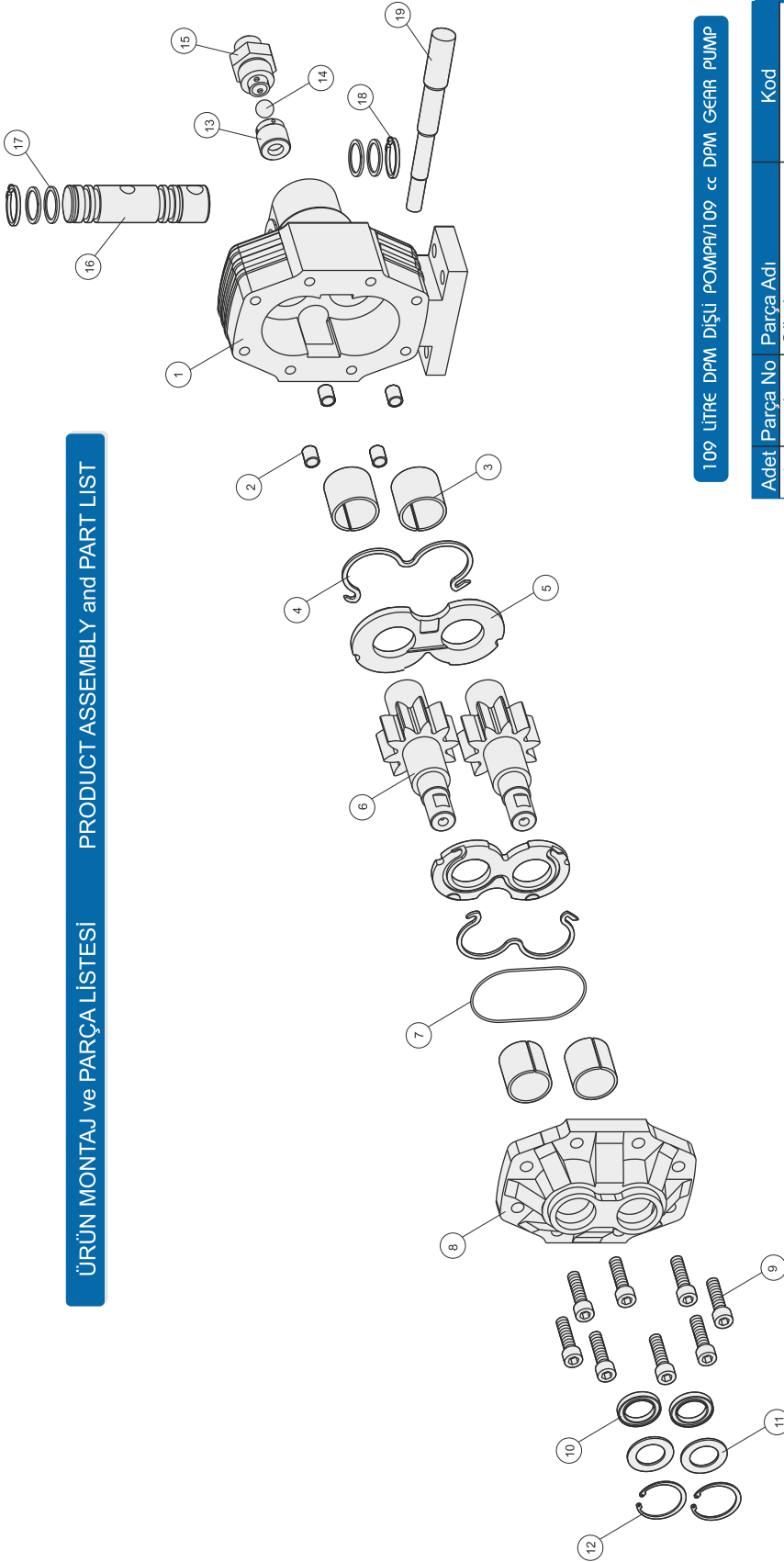
**GENEL BİLGİLER/GENERAL DATA**

Pompa Kodu Pump Codes	ISO
Pompa Tipi / Pump Type	30-82
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	17,2
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil



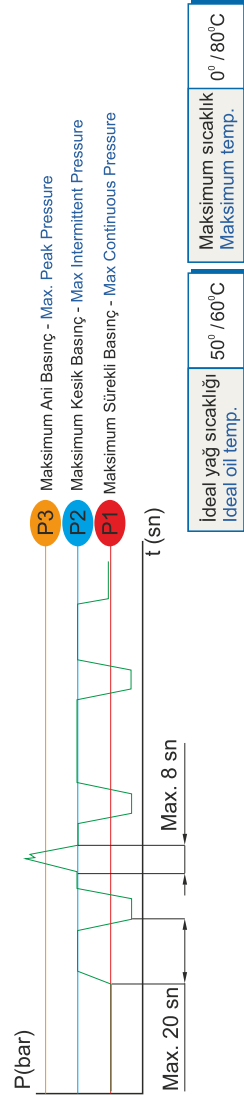


## ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



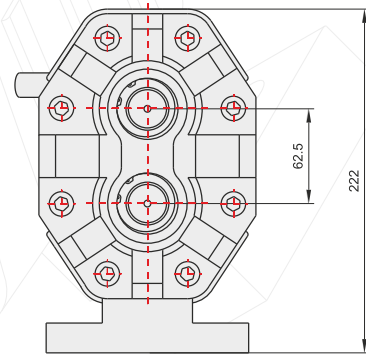
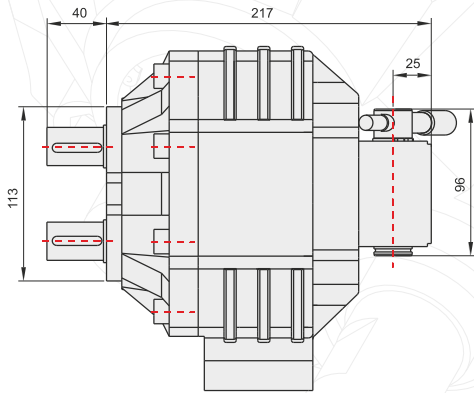
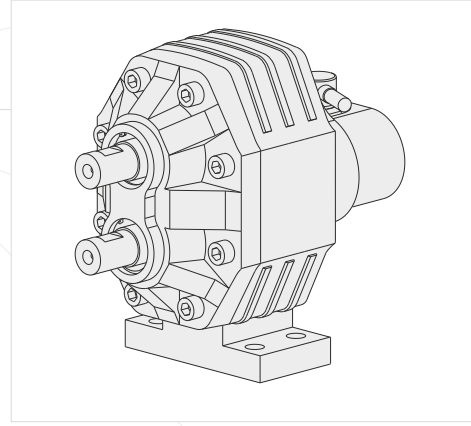
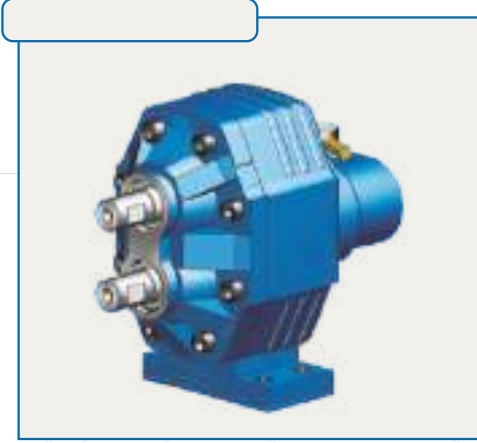
109 LİTRE DPM DİŞLİ POMPA/109 cc DPM GEAR PUMP

Adet	Parça No	Parça Adı	Kod
1	1	Gövde	
4	2	Merkez Burcu	
4	3	38x38 Burç	
2	4	M O-ring	
2	5	Alüminyum Plate	
2	6	S-109 Dişli	
1	7	2.62x118 O-ring	
1	8	Kapak	
8	9	M12x45 Civata	
2	10	28x40x7 Keçe	
2	11	Keçe Destek Pulü	
2	12	472-40 Segman	
1	13	Geni Dönüş Sibobu	
1	14	17.462 Bilya	
1	15	4 Delikli Rakor	
1	16	Vana Pistonu	
4	17	19x3 O-ring	
2	18	471-25 Segman	
1	19	Vana Kolu	
42		TOPLAM PARÇA SAYISI	



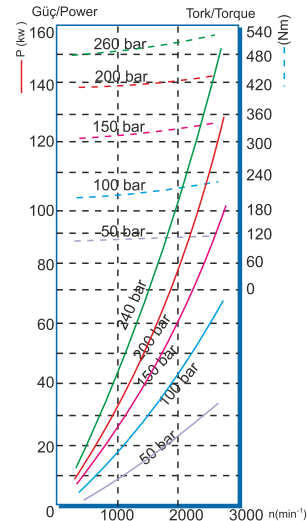
## GENEL BİLGİLER/GENERAL DATA

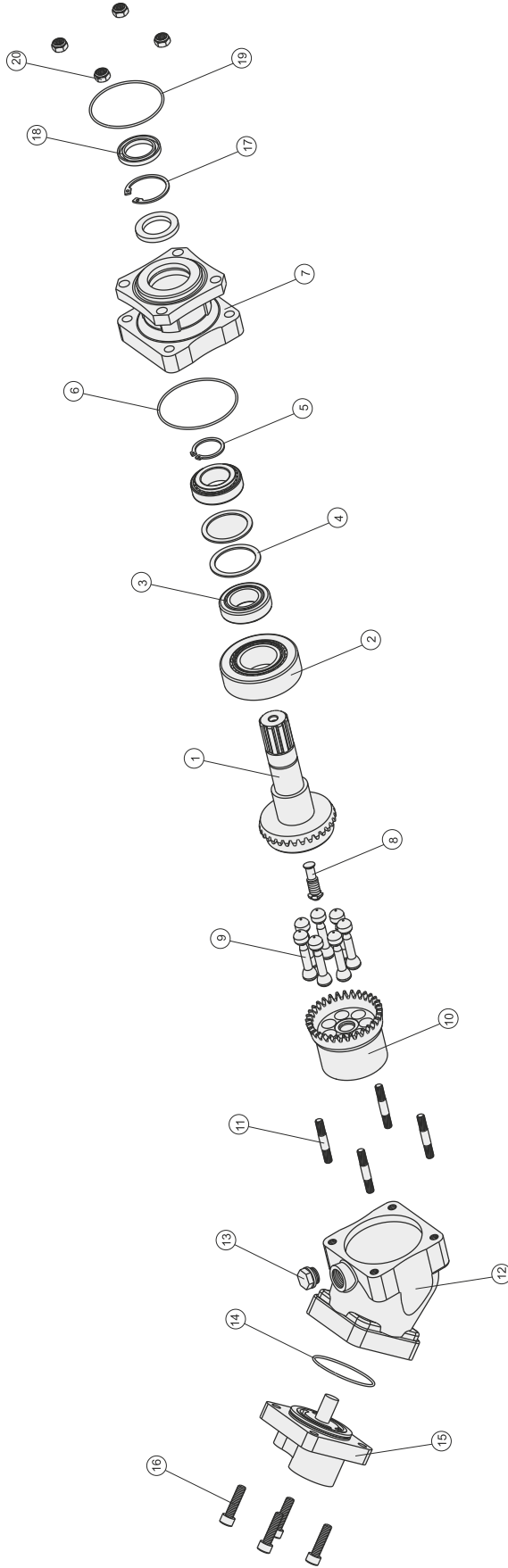
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
40-109	107.60/23,70	1500	250	3500	250/3626	270/3916	375/5439	kg(lb) / Pound
	lt/dk(gpm)	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	23,95/52,79



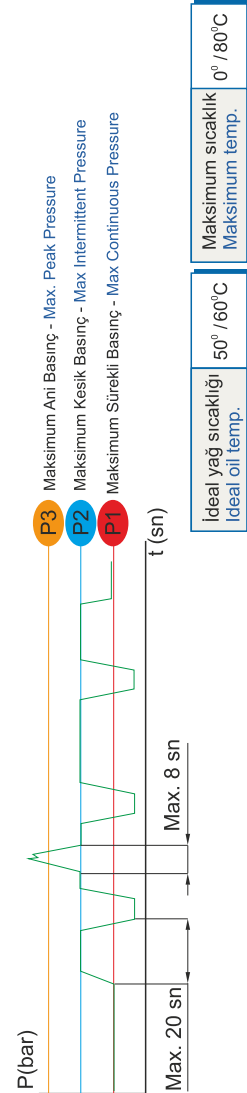
### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu / Pump Codes	ISO
Pompa Tipi / Pump Type	40-109
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	23,95
(C) Yağ Giriş / Oil Inlet	R 1 1/4"
(D) Yağ Çıkış / Oil Outlet	R 1"
Akışkan / Fluid	Mineral Bazlı Hidrolik Yağ / Mineral based hydraulic oil



**35 LİTRE EKSENEL PİSTONLU POMPA**
**35cc BENT AXIS PISTON PUMP**
**HİDROLİK POMPALAR**
**HYDRAULIC PUMPS**
**ÜRÜN MONTAJ ve PARÇA LİSTESİ**
**PRODUCT ASSEMBLY and PART LIST**

**35 LİTRE EKSENEL PİSTONLU POMPA/35cc BENT AXIS PISTON PUMP**

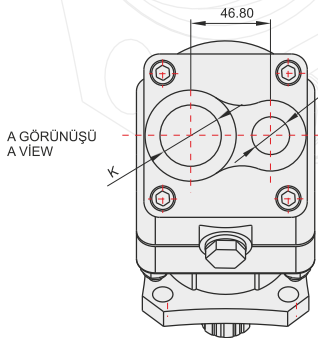
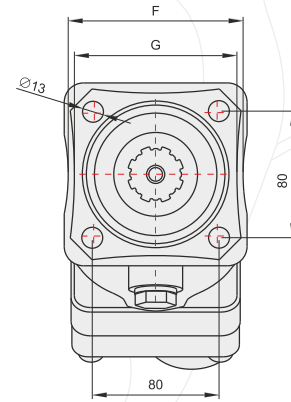
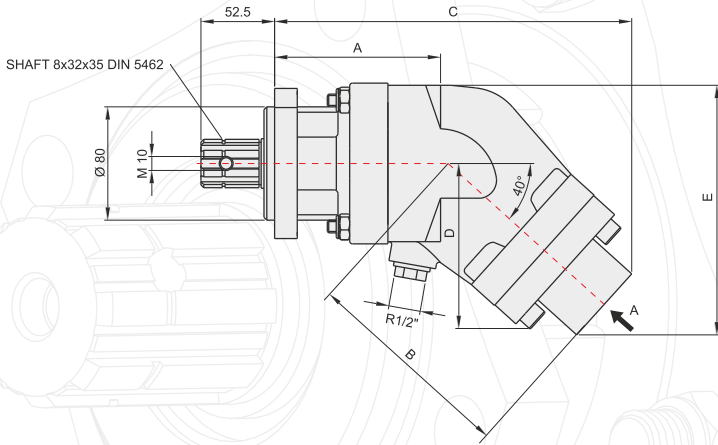
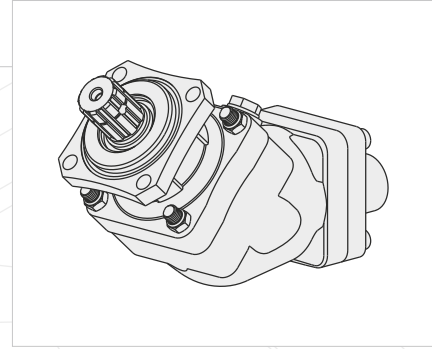
Adet	Parça No	Parça Adı
1	1	Piston Yuvalı Mil
1	2	Rulman (31308 X)
2	3	Rulman (32007 X)
2	4	Keçe Pulu 61.7x50x2
1	5	Segman DIN 471 / 35
1	6	90x2 O-Ring
1	7	Ön kapak
1	8	Merkezleme Pistonu
7	9	Piston
1	10	Piston Yatağı
4	11	Saplama M10x60
1	12	Gövde
1	13	Yağ Tapası
1	14	61.2x2.62 O-Ring
1	15	Yağ Giriş Çıkış Kapağı
4	16	Sil. Başlı Civata M10x35
1	17	Segman DIN 472x52
2	18	Yağ Keçesi 35x52x6
1	19	O-Ring 84.52x2.62
4	20	Fiberli Somun M10
38		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Kesik Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
35 lt	35.40/07.80	2400	300	3000	450/6526	500/7251	07.70/20.60

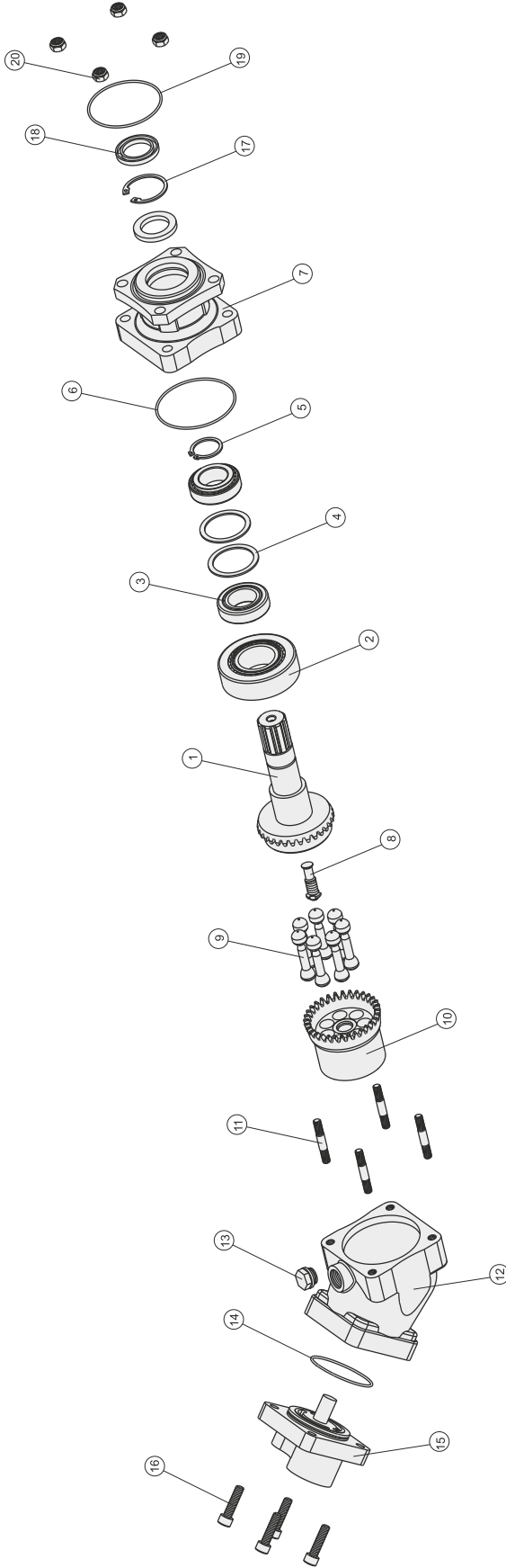
## 35 LİTRE EKSENEL PİSTONLU POMPA

## 35cc BENT AXIS PISTON PUMP



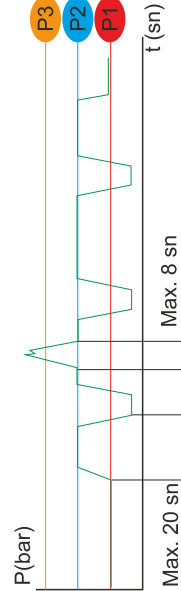
### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	Saat Yönü CW	Saat Ters Yönü CCW
Pompa Tipi/Pump Type	35 lt	35 lt
A mm	114	114
B mm	139	139
C mm	237	237
D mm	107	107
E mm	164	164
F mm	102	102
G mm	99	99
K (Yağ Girişi-Oil Inlet)	R1 1/4"	R1 1/4"
L (Yağ Çıkışı-Oil Outlet)	R 3/4"	R 3/4"
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	



45 LİTRE EKSENEL PİSTONLU POMPA/45cc BENT AXIS PISTON PUMP

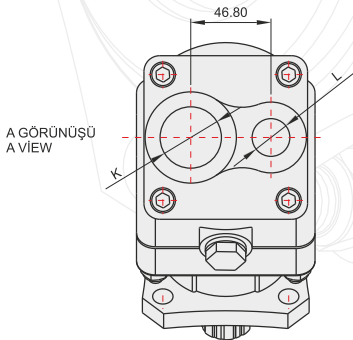
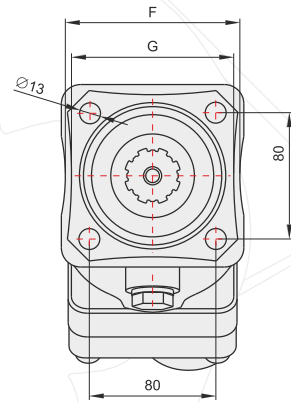
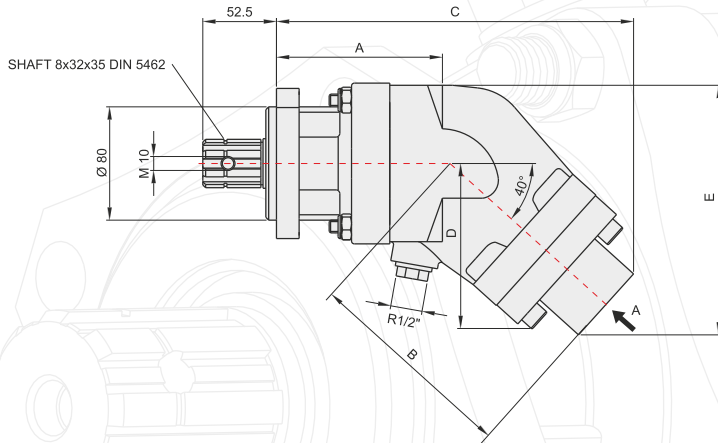
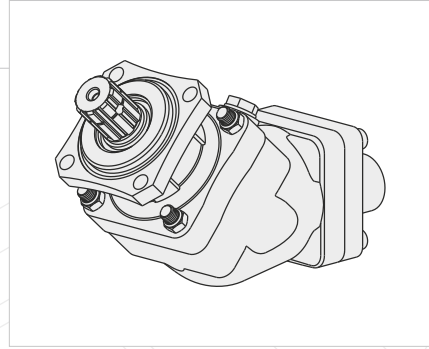
Adet	Parça No	Parça Adı	Kod
1	1	Piston Yuvalı Mil	
1	2	Rulman (31308 X)	
2	3	Rulman (32007 X)	
2	4	Keçe Pulu 61.7x50x2	
1	5	Segman DIN 471 / 35	
1	6	90x2 O-Ring	
1	7	Ön kapak	
1	8	Merkezileme Pistonu	
7	9	Piston	
1	10	Piston Yatağı	
4	11	Saplama M10x60	
1	12	Gövde	
1	13	Yağ Tapası	
1	14	61.2x2.62 O-Ring	
1	15	Yağ Giriş Çıkış Kapağı	
4	16	Sil. Başlı Cıvata M10x35	
1	17	Segman DIN 472x52	
2	18	Yağ Keçesi 35x52x6	
1	19	O-Ring 84.52x2.62	
4	20	Fiberli Somun M10	
38		TOPLAM PARÇA SAYISI	



İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
45 lt	45.60/10.03	2100	300	2600	bar (psi)	bar (psi)	bar (psi)	kg(lb) / Pound
		n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	450/6526	-	500/7251	07,70/20,60



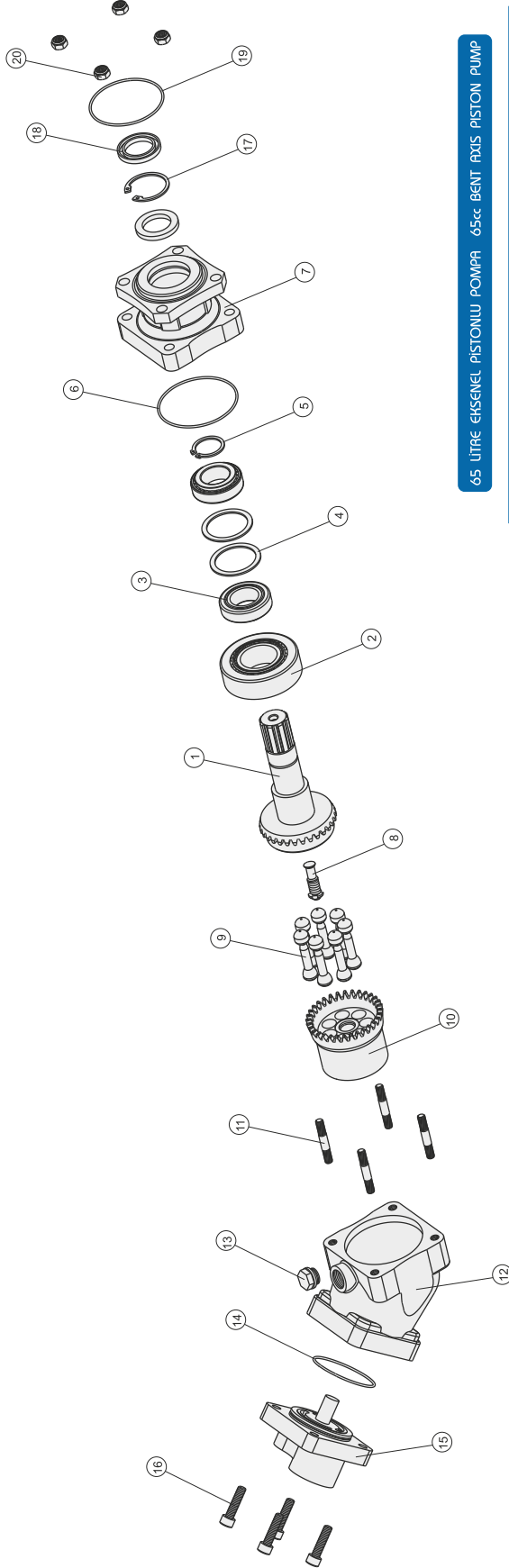
**GENEL BİLGİLER/GENERAL DATA**

Pompa Kodu Pump Codes	Saat Yönü CW	Saat Ters Yönü CCW
Pompa Tipi/Pump Type	45 lt	45 lt
A mm	114	114
B mm	139	139
C mm	237	237
D mm	107	107
E mm	164	164
F mm	102	102
G mm	99	99
K (Yağ Girişi-Oil Inlet)	R1 1/4"	R1 1/4"
L (Yağ Çıkışı-Oil Outlet)	R 3/4"	R 3/4"
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	

## 65 LİTRE EKSENEL PİSTONLU POMPA / 65cc BENT AXIS PISTON PUMP

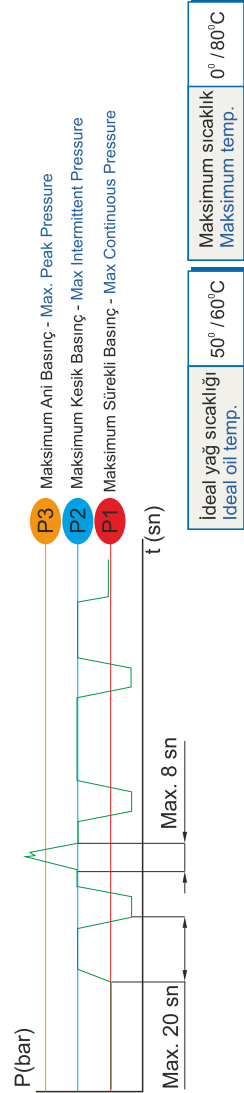
### HİDROLİK POMPALAR / HYDRAULIC PUMPS

#### ÜRÜN MONTAJ ve PARÇA LİSTESİ / PRODUCT ASSEMBLY and PART LIST



65 LİTRE EKSENEL PİSTONLU POMPA / 65cc BENT AXIS PISTON PUMP

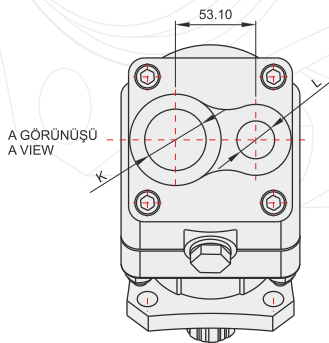
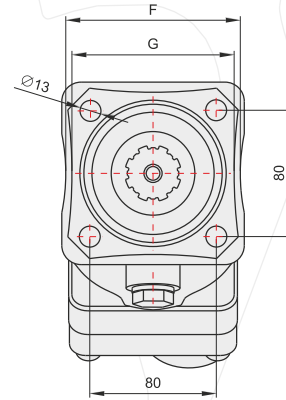
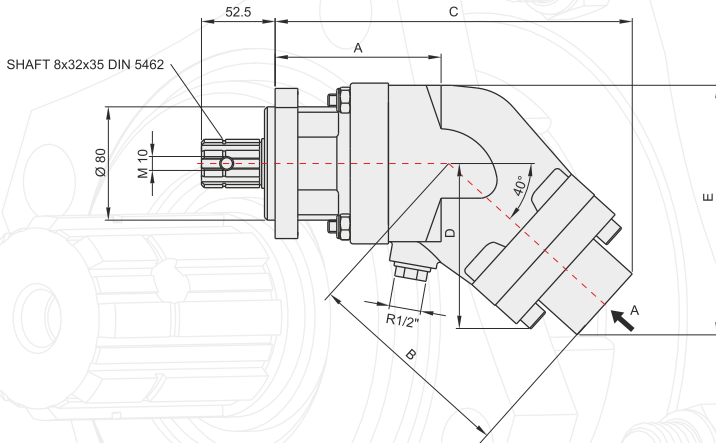
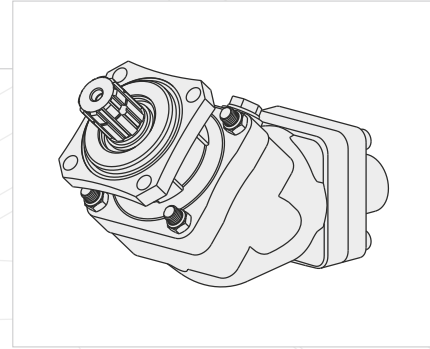
Adet / Parça No	Parça Adı
1	Piston Yuvalı Mil
1	Rulman (31308 X)
2	Rulman (32007 X)
2	Keçe Pulu 61.7x50x2
1	Segman DIN 471 / 35
1	90x2 O-Ring
1	Ön kapak
1	Merkezleme Pistonu
7	Piston
1	Piston Yatağı
4	Saplama M10x60
1	Gövde
1	Yağ Tapası
1	61.2x2.62 O-Ring
1	Yağ Giriş Çıkış Kapağı
4	Sil. Başlı Civata M10x35
1	Segman DIN 472x52
1	Yağ Keçesi 35x52x6
2	O-Ring 84.52x2.62
4	Fiberli Somun M10
38	TOPLAM PARÇA SAYISI



#### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Kesik Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
65 lt	lt/dk/gpm	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	n/(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg/(lb) / Pound
	63.20/13.90	2000	300	2500	450/6526	-	500/7251	10,00/26,80

## 65 LİTRE EKSENEL PİSTONLU POMPA / 65cc BENT AXIS PISTON PUMP



### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	Saat Yönü CW	Saat Ters Yönü CCW
Pompa Tipi/Pump Type	65 lt	65 lt
A mm	115	115
B mm	152	152
C mm	253	253
D mm	118	118
E mm	164	164
F mm	108	108
G mm	100	100
K(Yağ Girişi-Oil Inlet)	R1 1/4"	R1 1/4"
L(Yağ Çıkışı-Oil Outlet)	R 3/4"	R 3/4"
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	



## 85 LİTRE EKSENEL PİSTONLU POMPA

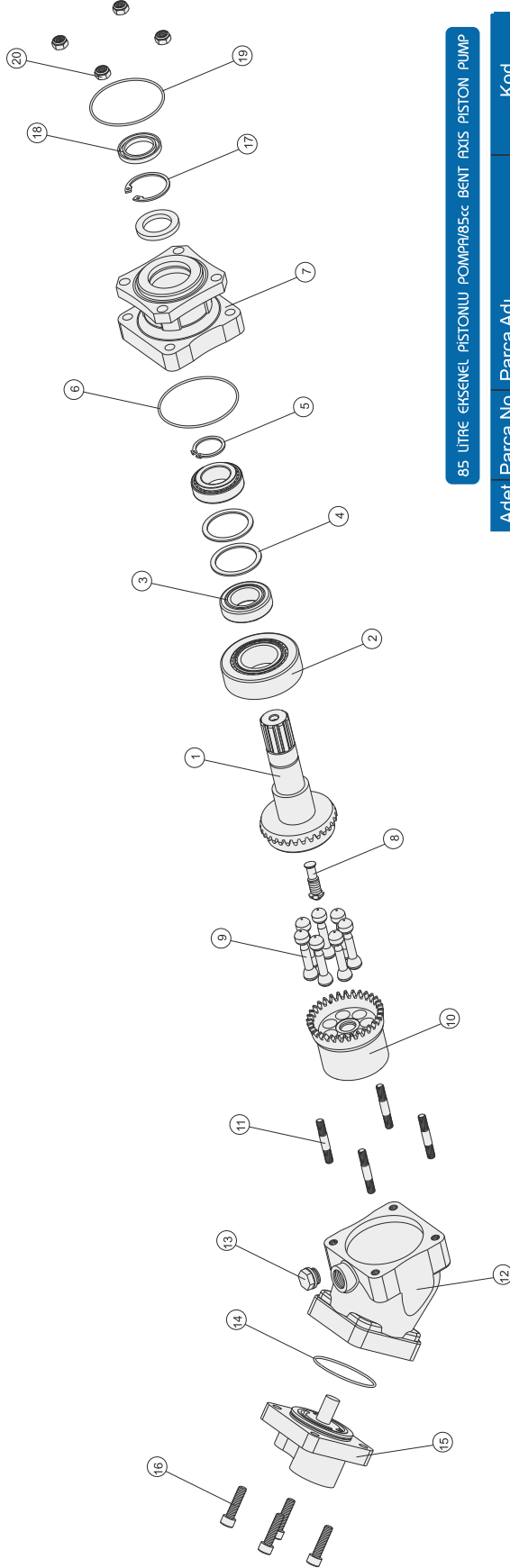
## 85cc BENT AXIS PISTON PUMP

### HİDROLİK POMPALAR

### HYDRAULIC PUMPS

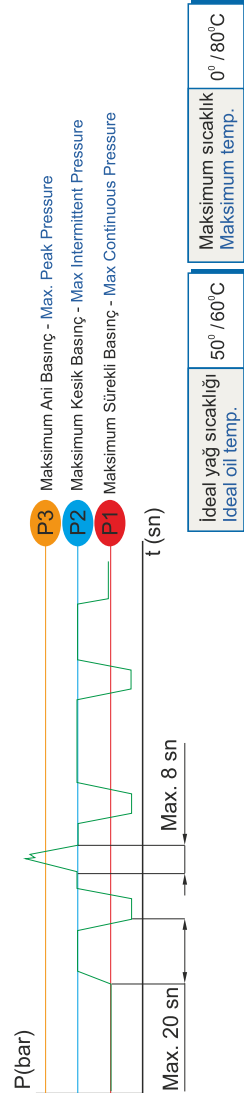
#### ÜRÜN MONTAJ ve PARÇA LİSTESİ

#### PRODUCT ASSEMBLY and PART LIST



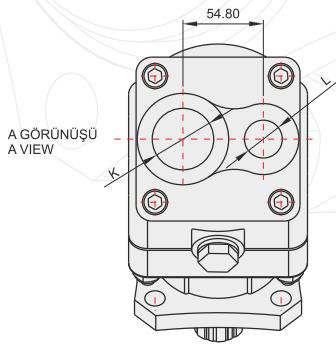
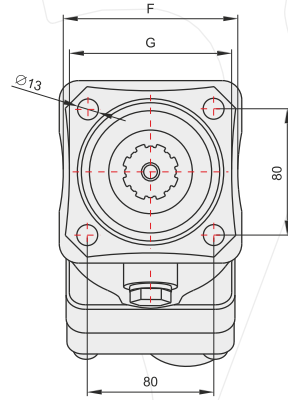
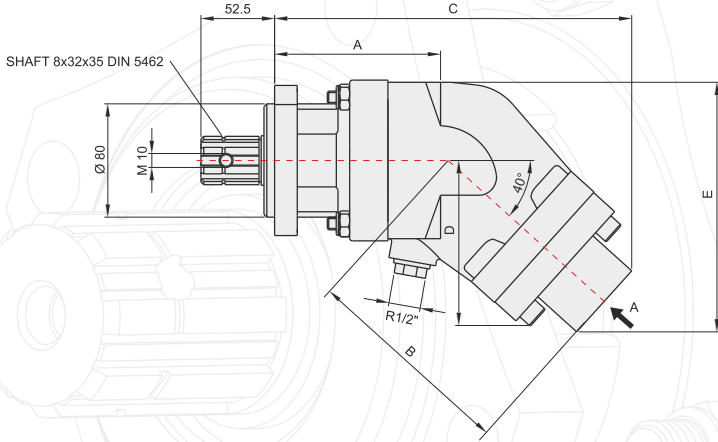
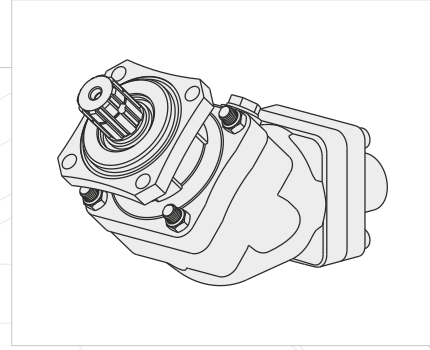
85 LİTRE EKSENEL PİSTONLU POMPA/85cc BENT AXIS PISTON PUMP

Adet	Parça No	Parça Adı	Kod
1	1	Piston Yuvalı Mil	
1	2	Rulman (3T308 X)	
2	3	Rulman (32007 X)	
2	4	Keçe Pulu 61.7x50x2	
1	5	Segman DIN 471 / 35	
1	6	90x2 O-Ring	
1	7	Ön kapak	
1	8	Merkezleme Pistonu	
7	9	Piston	
1	10	Piston Yatağı	
4	11	Saplama M10x60	
1	12	Gövde	
1	13	Yağ Tapası	
1	14	61.2x2.62 O-Ring	
1	15	Yağ Giriş Çıkış Kapağı	
4	16	Sil. Başlı Civata M10x35	
1	17	Segman DIN 472x52	
2	18	Yağ Keçesi 35x52x6	
1	19	O-Ring 84.52x2.62	
4	20	Fiberli Somun M10	
38		TOPLAM PARÇA SAYISI	



#### GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
85 lt	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
	85.10/18.70	1900	300	2400	400/5801	-	450/6526	12.50/33.50

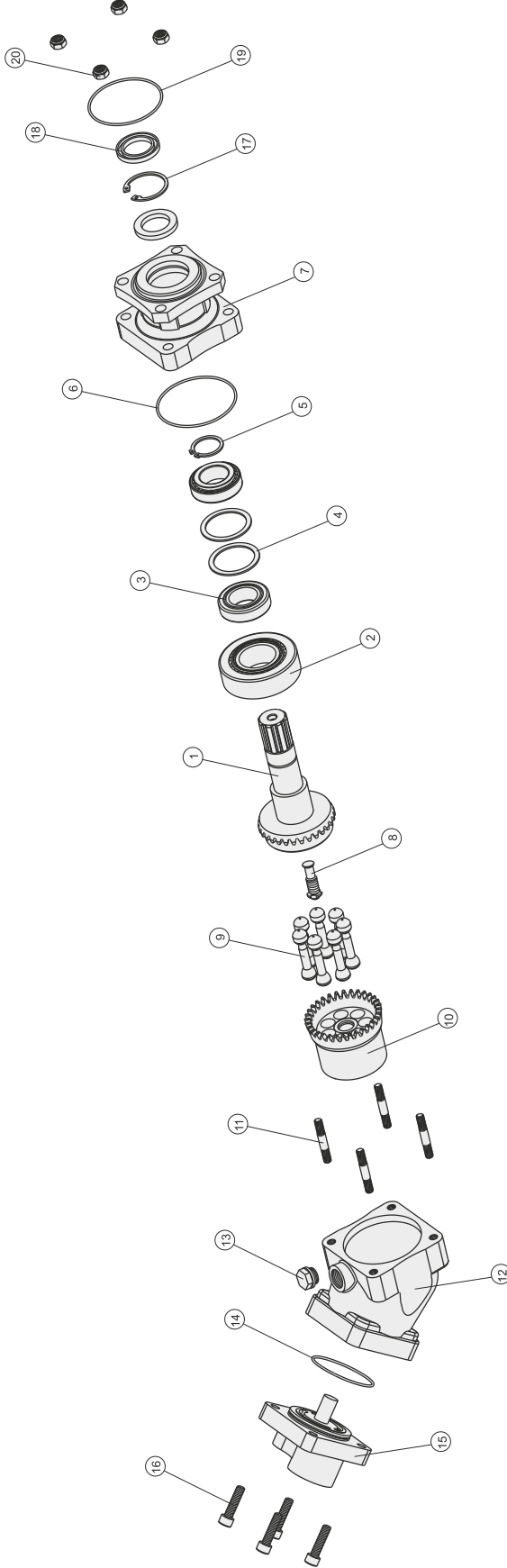


### GENEL BİLGİLER/GENERAL DATA

Pompa Kodu Pump Codes	Saat Yönü CW	Saat Ters Yönü CCW
Pompa Tipi/Pump Type	85 lt	85 lt
A mm	128	128
B mm	164	164
C mm	297	297
D mm	131	131
E mm	194	194
F mm	117	117
G mm	100	100
K(Yağ Girişi-Oil Inlet)	R1 1/2"	R1 1/2"
L(Yağ Çıkışı-Oil Outlet)	R 1"	R 1"
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	

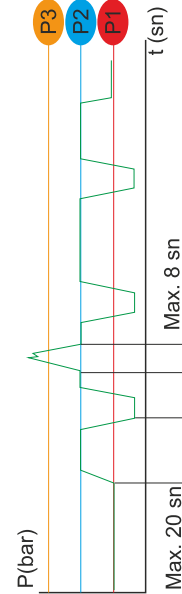
## 105 LİTRE EKSENEL PİSTONLU POMPA

## 105cc BENT AXIS PISTON PUMP



105 LİTRE EKSENEL PİSTONLU POMPA/105cc BENT AXIS PISTON PUMP

Adet	Parça No	Parça Adı	Kod
1	1	Piston Yuvalı Mil	
1	2	Rulman (31308 X)	
2	3	Rulman (32007 X)	
2	4	Keçe Pulu 61.7x50x2	
1	5	Segman DIN 471 / 35	
1	6	90x2 O-Ring	
1	7	Ön kapak	
1	8	Merkezleme Pistonu	
7	9	Piston	
1	10	Piston Yatağı	
4	11	Saplama M10x60	
1	12	Gövde	
1	13	Yağ Tabası	
1	14	61.2x2.62 O-Ring	
1	15	Yağ Giriş Çıkış Kapağı	
4	16	Sil. Başlı Civata M10x35	
1	17	Segman DIN 472x52	
2	18	Yağ Keçesi 35x52x6	
1	19	O-Ring 84.52x2.62	
4	20	Fiberli Somun M10	
38		TOPLAM PARÇA SAYISI	

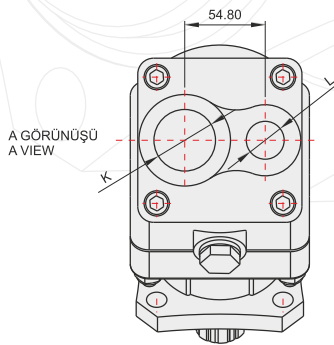
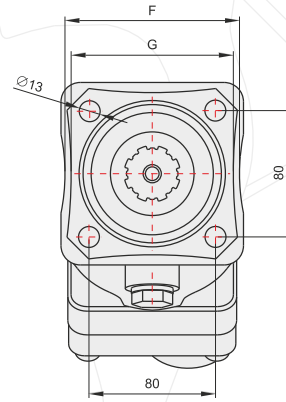
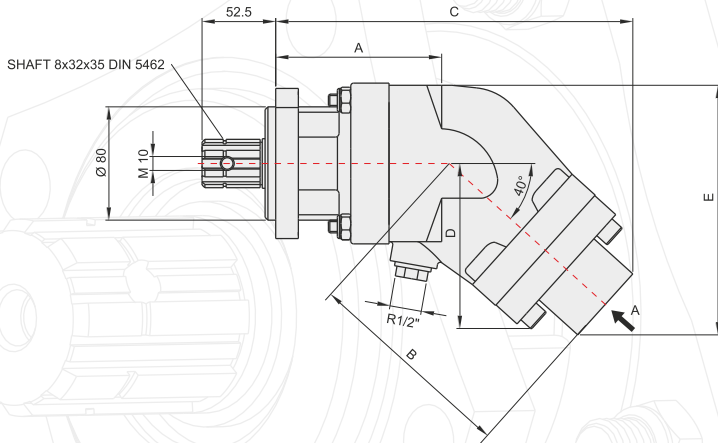
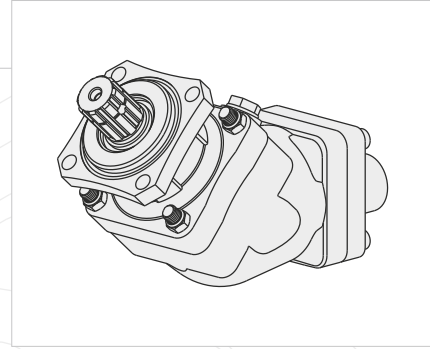


İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
105 lt	lt/dk(gpm)	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	n(min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb)
	105,70/23,30	1700	300	2200	350/507/6	-	400/5801	12,50/33,50

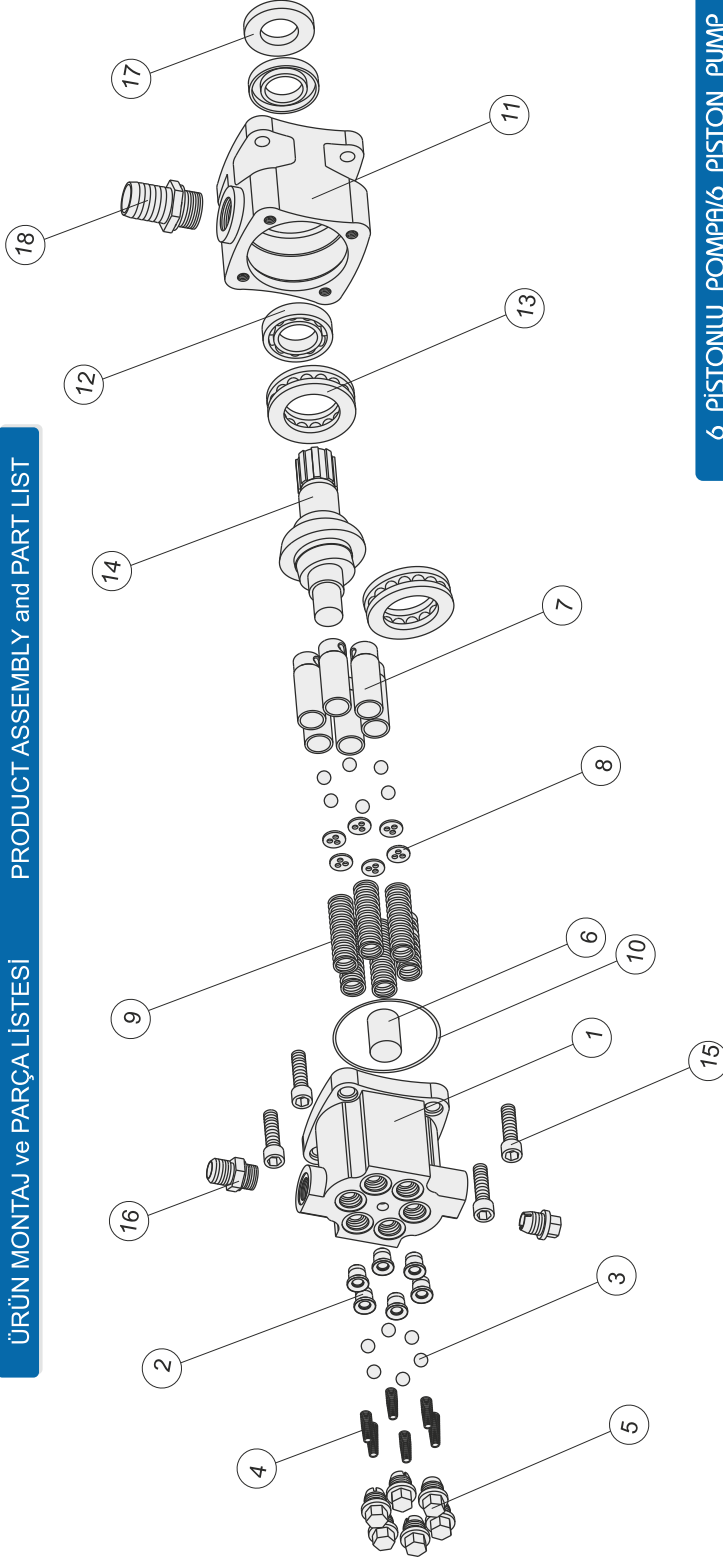
## 105 LİTRE EKSENEL PİSTONLU POMPA / 105cc BENT AXIS PISTON PUMP



### GENEL BİLGİLER/GENERAL DATA

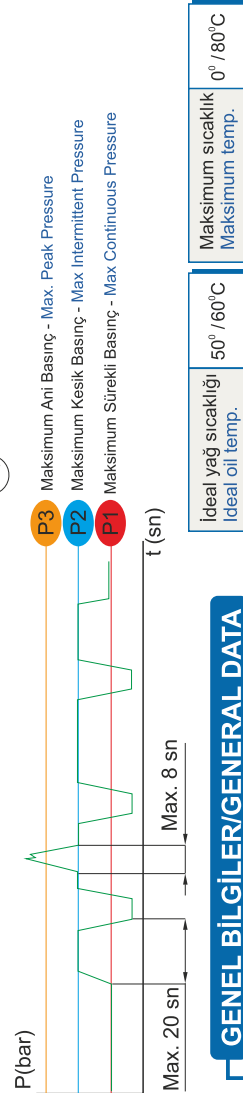
Pompa Kodu Pump Codes	Saat Yönü CW	Saat Ters Yönü CCW
Pompa Tipi/Pump Type	105 lt	105 lt
A mm	128	128
B mm	164	164
C mm	297	297
D mm	131	131
E mm	194	194
F mm	117	117
G mm	100	100
K(Yağ Girişi-Oil Inlet)	R1 1/2"	R1 1/2"
L(Yağ Çıkışı-Oil Outlet)	R 1"	R 1"
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	

## ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



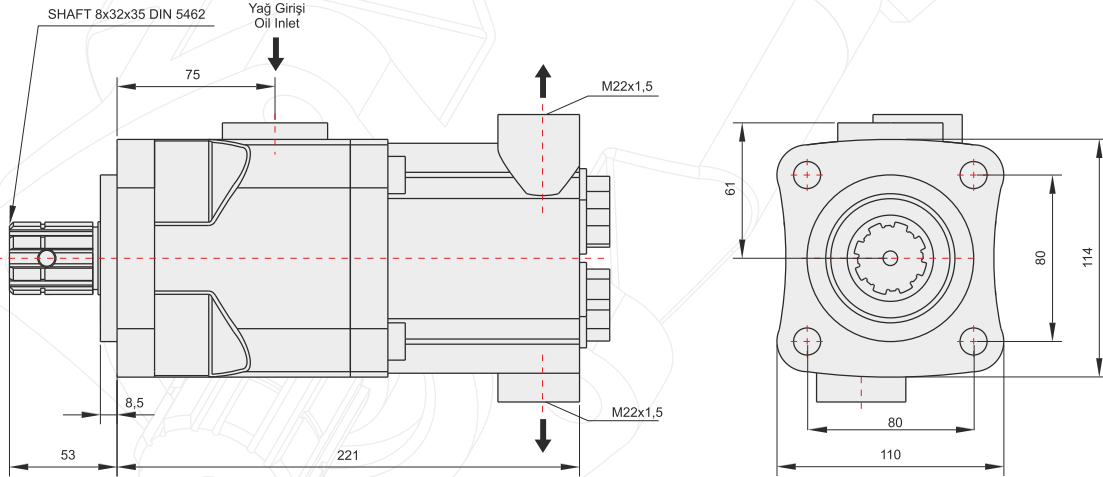
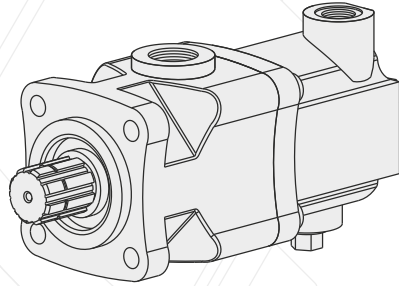
## 6 PİSTONLU POMPA/6 PISTON PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
6	2	Denge Yüzüğü
12	3	1/2" Bilya
6	4	Yay
7	5	22x1.5 Tapa
1	6	25x28x30 Burç
6	7	25mm Piston
6	8	3 Delikli Pul
6	9	Piston Yayı
1	10	2.62x88.57 Oring
1	11	Kapak
1	12	6007 Rulman
2	13	51210 Rulman
1	14	Krank B
4	15	M12x45 Civata
1	16	22x1.5 Rekor
2	17	35x62x10 Kece
1	18	1" Rakor
65		TOPLAM PARÇA SAYISI



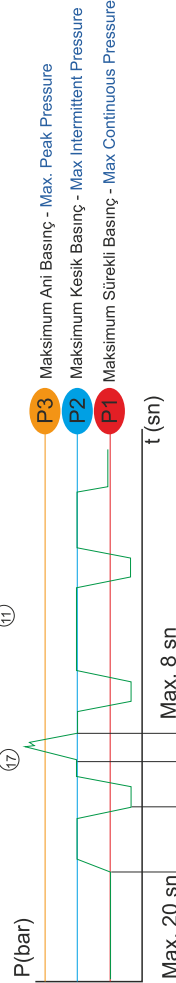
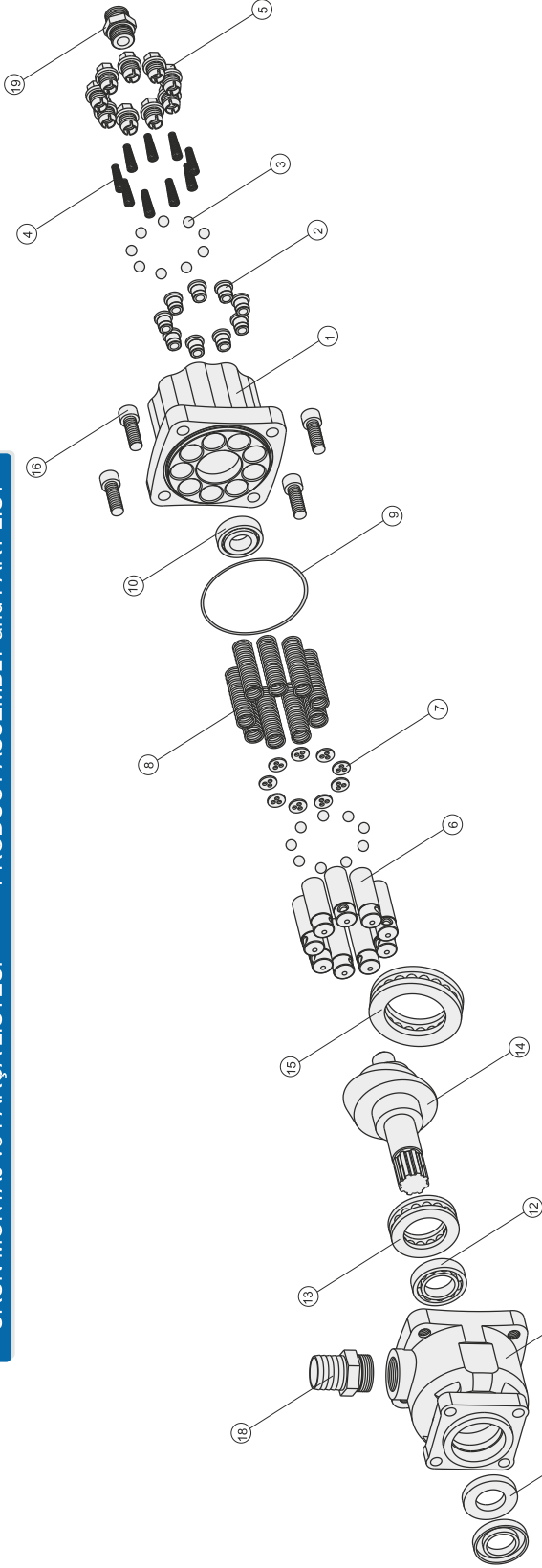
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Maksimum sıcaklık Maksimum temp.	Ağırlık Weight
35	34,60/07,60	1900	400	2500	340/4930	370/5365	520/7540	0° / 80°C	14/30,8
45	44,50/9,80	1800	400	2300	320/4640	350/5675	480/6960		14/30,8
Yağ Girişi/ Çıkışı - Oil Inlet/Outlet					M 42,5x2 / M22x1,5				
Akışkan Fluid					Mineral bazlı hidrolik yağ Mineral based hydraulic oil				



GENEL BİLGİLER/GENERAL DATA

	35-A	35-B	45-A	45-B
Pompa Tipi / Pump Type	35-A	35-B	45-A	45-B
Min. Boru Çapı / Min. Hose Dia.	26	26	26	26
Ağırlık / Weight(kg)	14	14	14	14
(C) Yağ Giriş - Oil Inlet	R 1"	R 1"	R 1"	R 1"
(D) Yağ Çıkış - Oil Outlet	M22x1,5	M22x1,5	M22x1,5	M22x1,5
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil			



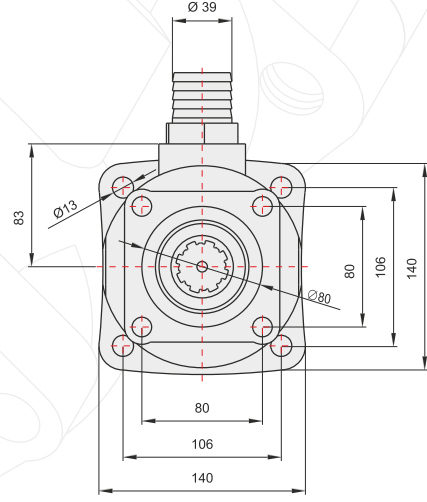
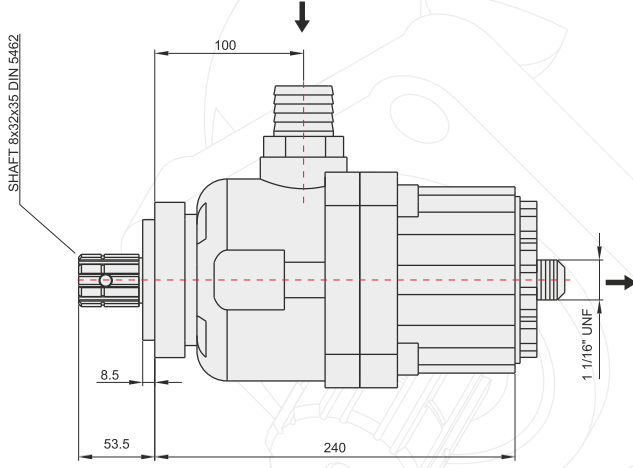
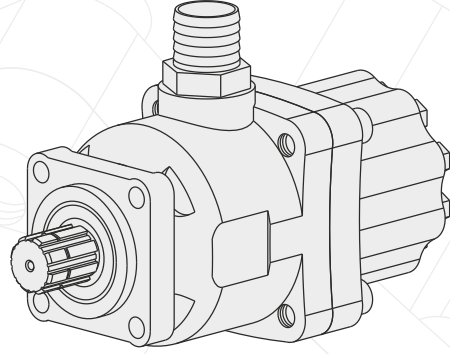
İdeal yağ sıcaklığı İdeal oil temp.	50° / 60°C	Maksimum sıcaklık Maksimum temp.	0° / 80°C
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**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
	lt/dk(gpm)	η (min <sup>-1</sup> )	η (min <sup>-1</sup> )	η (min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
60 A	57,80/12,70	1700	300	2100	290/4207	340/4931	400/5801	18,00/48,00
60 B	57,80/12,70	1700	300	2100	290/4207	340/4931	400/5801	18,00/48,00
80 A	77,50/17,00	1500	300	2000	300/4351	350/5076	450/6526	19,00/50,90
80 B	77,50/17,00	1500	300	2000	300/4351	350/5076	450/6526	19,00/50,90
Yağ Girişi/ Çıkışı - Oil Inlet/Outlet	R 1 1/4" - R 3/4"							
Akışkan Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil							

**9 PİSTONLU POMPA/9 PISTON PUMP**

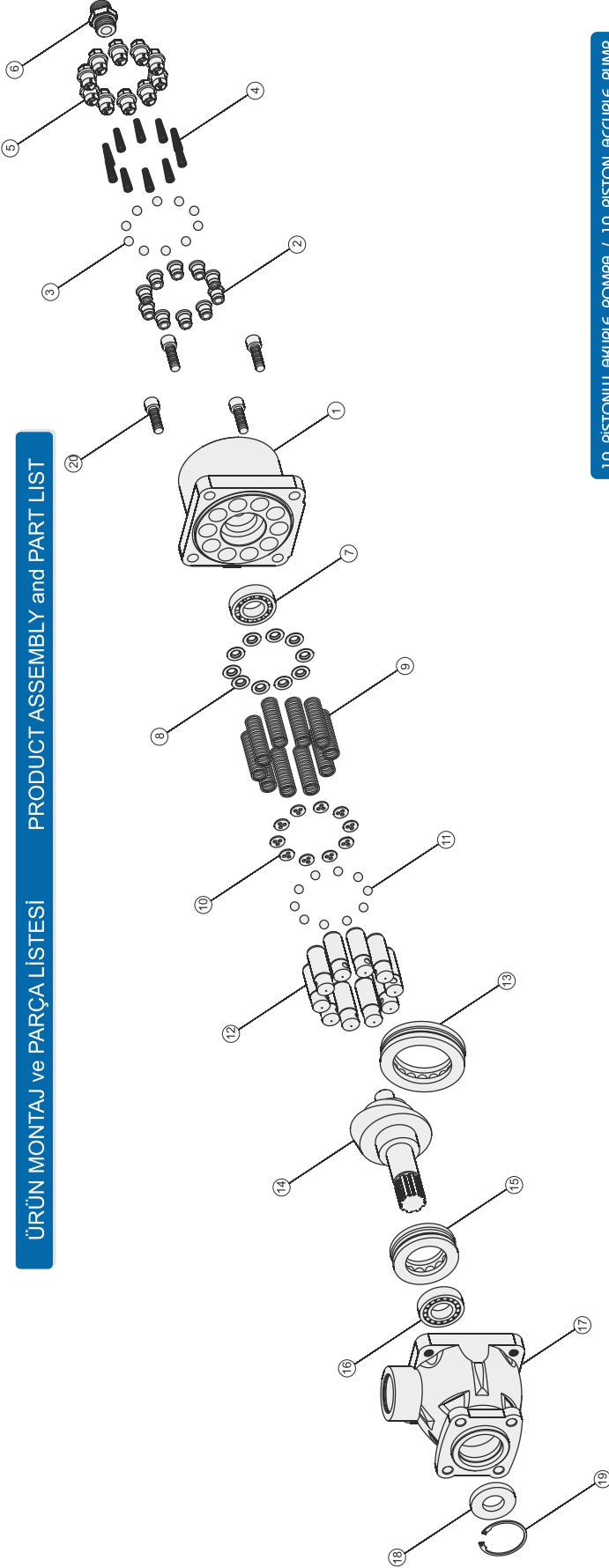
Adet	Parça No	Parça Adı
1	1	Gövde
9	2	Denge Yüzüğü
18	3	1/2" Bilya
9	4	Yay
9	5	22x1.5 Tapa
9	6	25mm Piston
9	7	3 Delikli Pul
9	8	Piston Yay
1	9	2.62x118 O-ring
1	10	Ni 205 Rulman
1	11	Kapak
1	12	6007 Rulman
1	13	51211 Rulman
1	14	Krank B
1	15	51214 Rulman
4	16	M14x40 Civata
2	17	35x62x10 Kece
1	18	1 1/4" Rekor
1	19	3/4" Rekor
88	TOPLAM PARÇA SAYISI	


**GENEL BİLGİLER/GENERAL DATA**

	60-A	60-B	80-A	80-B
Pompa Tipi / Pump Type	60-A	60-B	80-A	80-B
Min. Boru Çapı / Min. Hose Dia.	26	26	33	33
Ağırlık / Weight(kg)	18	18	18	18
(C) Yağ Giriş - Oil Inlet	R 1 1/4"	R 1 1/4"	R 1 1/4"	R 1 1/4"
(D) Yağ Çıkış - Oil Outlet	R 3/4"	R 3/4"	R 3/4"	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil			



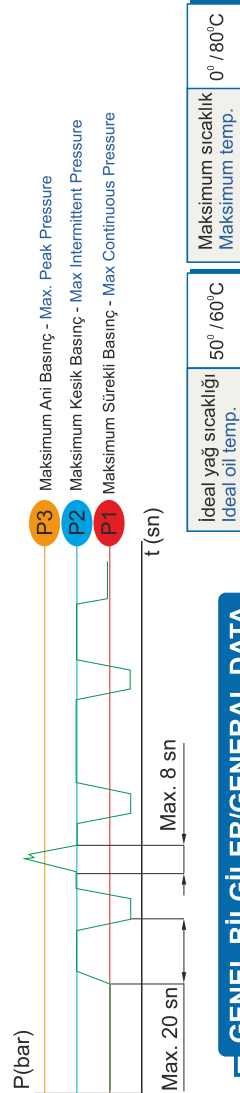
## ÜRÜN MONTAJ ve PARÇA LİSTESİ PRODUCT ASSEMBLY and PART LIST



## 10 PİSTONLU AKUPLE POMPA / 10 PISTON ACCUPLE PUMP

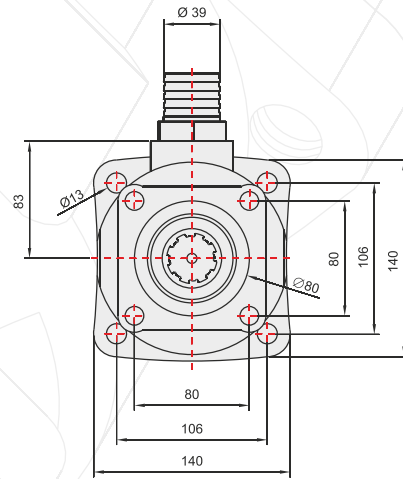
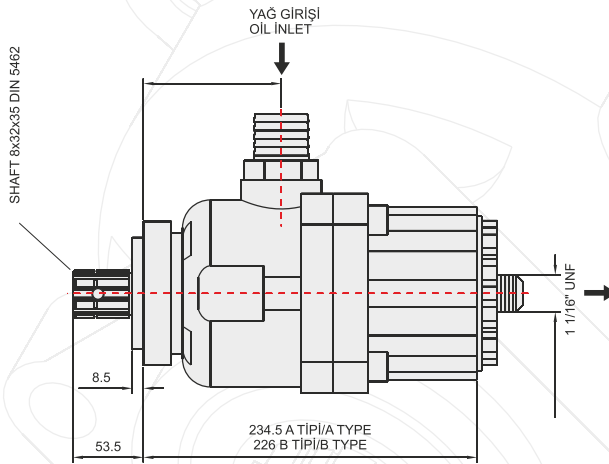
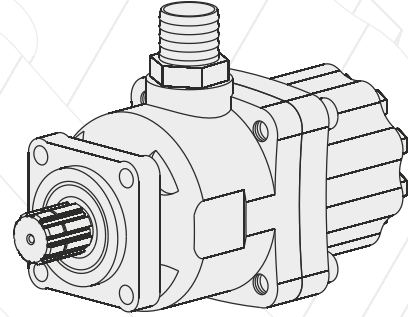
## 10 PİSTONLU AKUPLE POMPA / 10 PISTON ACCUPLE PUMP

Adet	Parça No	Parça Adı
1	1	Gövde
10	2	Denge Yüzüğü
10	3	1/2" Bilya
10	4	Yay
10	5	22x1.5 Tapa
1	6	3/4" Rekor
1	7	Ni 206 Rulman
10	8	Yay Ortalama Pulu
10	9	Yay
10	10	Uç Delikli Pul
10	11	12.7 Bilya
10	12	Piston
1	13	51216 Rulman
1	14	Krank
1	15	51211 Rulman
1	16	6007 Rulman
1	17	Krank Kapağı
1	18	35x62x10 Kece
1	19	472x62 Segman
4	20	M14x45 Civata
104		TOPLAM PARÇA SAYISI



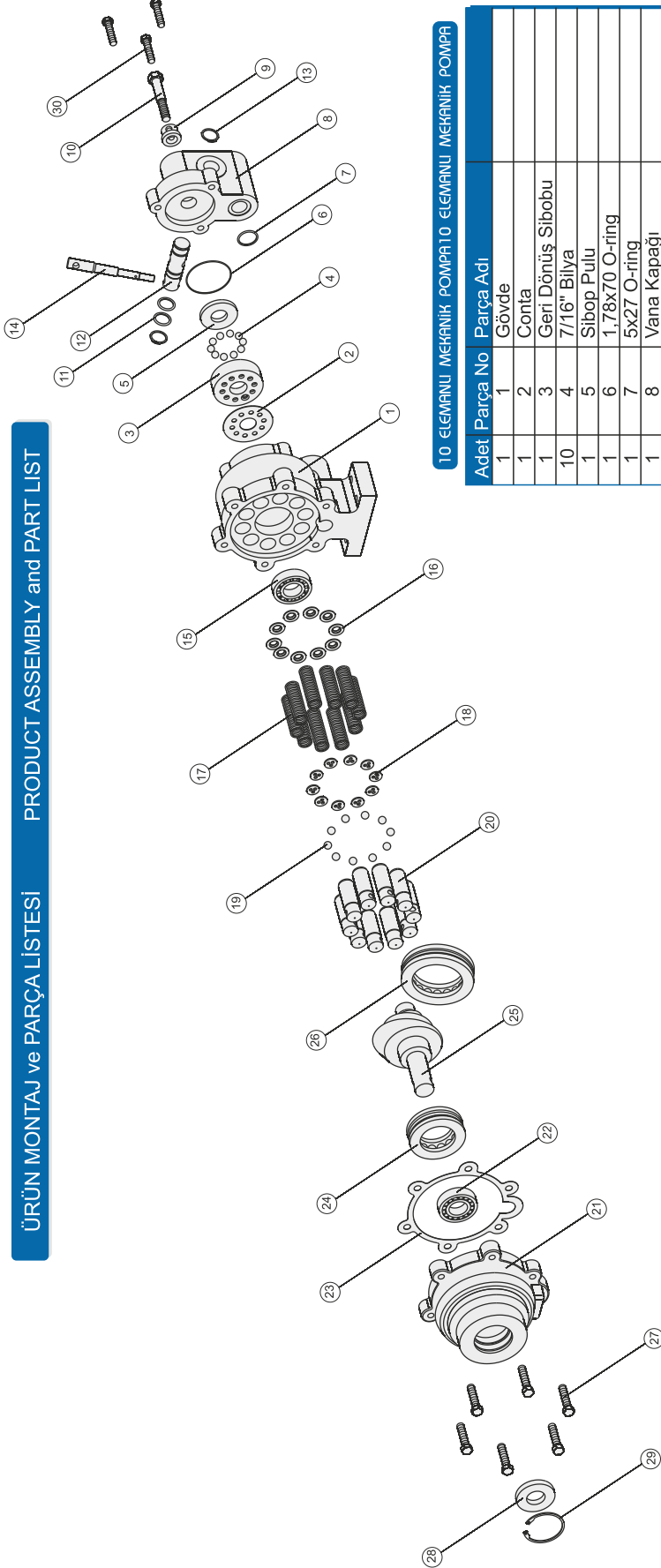
## GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	Debi / Displacement	Max. Sürekli Hız / Max. Continuous Speed	Min. Kesik Hız / Min. Intermitt. Speed	Max. Kesik Hız / Max. Intermitt. Speed	Max. Sürekli Basınç / Max. Continuous Pressure	Max. Kesik Basınç / Max. Intermitt. Pressure	Max. Ani Basınç / Max. Peak Pressure	Ağırlık / Weight
	lt/dk (gpm)	n (min <sup>-1</sup> )	n (min <sup>-1</sup> )	n (min <sup>-1</sup> )	bar (psi)	bar (psi)	bar (psi)	kg (lb) / Pound
100	99,4/21,8	1300	300	1900	360/5220	460/6670	460/6670	23.5/51,8
85	84,5/18,57	1500	300	2000	350/5076	450/6526	450/6526	23.5/51,8
Yağ Giriş/ Çıkışı - Oil Inlet/Outlet	R 1 1/4" - R 3/4"							
Akışkan / Fluid	Mineral bazlı hidrolik yağ / Mineral based hydraulic oil							



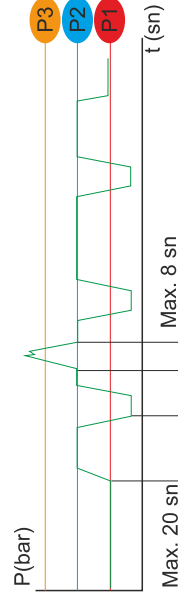
GENEL BİLGİLER/GENERAL DATA

Pompa Tipi / Pump Type	85	100
Min. Boru Çapı / Min. Hose Dia.	33	33
Ağırlık / Weight(kg)	23,5	23,5
(C) Yağ Giriş - Oil Inlet	R 1 1/4"	R 1 1/4"
(D) Yağ Çıkış - Oil Outlet	R 3/4"	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil	

**10 PİSTONLU MEKANİK POMPA**
**10 PISTON MECHANIC PUMP**
**HİDROLİK POMPALAR**
**HİDROLİK POMPALAR**
**ÜRÜN MONTAJ ve PARÇA LİSTESİ**
**PRODUCT ASSEMBLY and PART LIST**

**10 ELEMANLI MEKANİK POMPA 10 ELEMANLI MEKANİK POMPA**

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Conta
1	3	Geril Dönüş Sibobu
10	4	7/16" Bilya
1	5	Sibop Pulu
1	6	1,78x70 O-ring
1	7	5x27 O-ring
1	8	Vana Kapağı
1	9	4 Delikli Pul
1	10	9/16"x90 Cıvata
2	11	3x18 O-ring
1	12	Vana Pistonu
2	13	471-25 Segman
1	14	Vana Kolu
1	15	Ni 206 Rulman
10	16	Yay Ortalama Pulu
10	17	Yay
10	18	3 Delikli Pul
10	19	1/2" Bilya
10	20	Piston
1	21	Krank Kapağı
1	22	6206 Rulman
1	23	Conta
1	24	51211 Rulman
1	25	Krank
1	26	51216 Rulman
6	27	7/16"x45 Cıvata
1	28	30x62x10 Kece
1	29	472-62 Segman
3	30	7/16"x50 Cıvata
93		TOPLAM PARÇA SAYISI

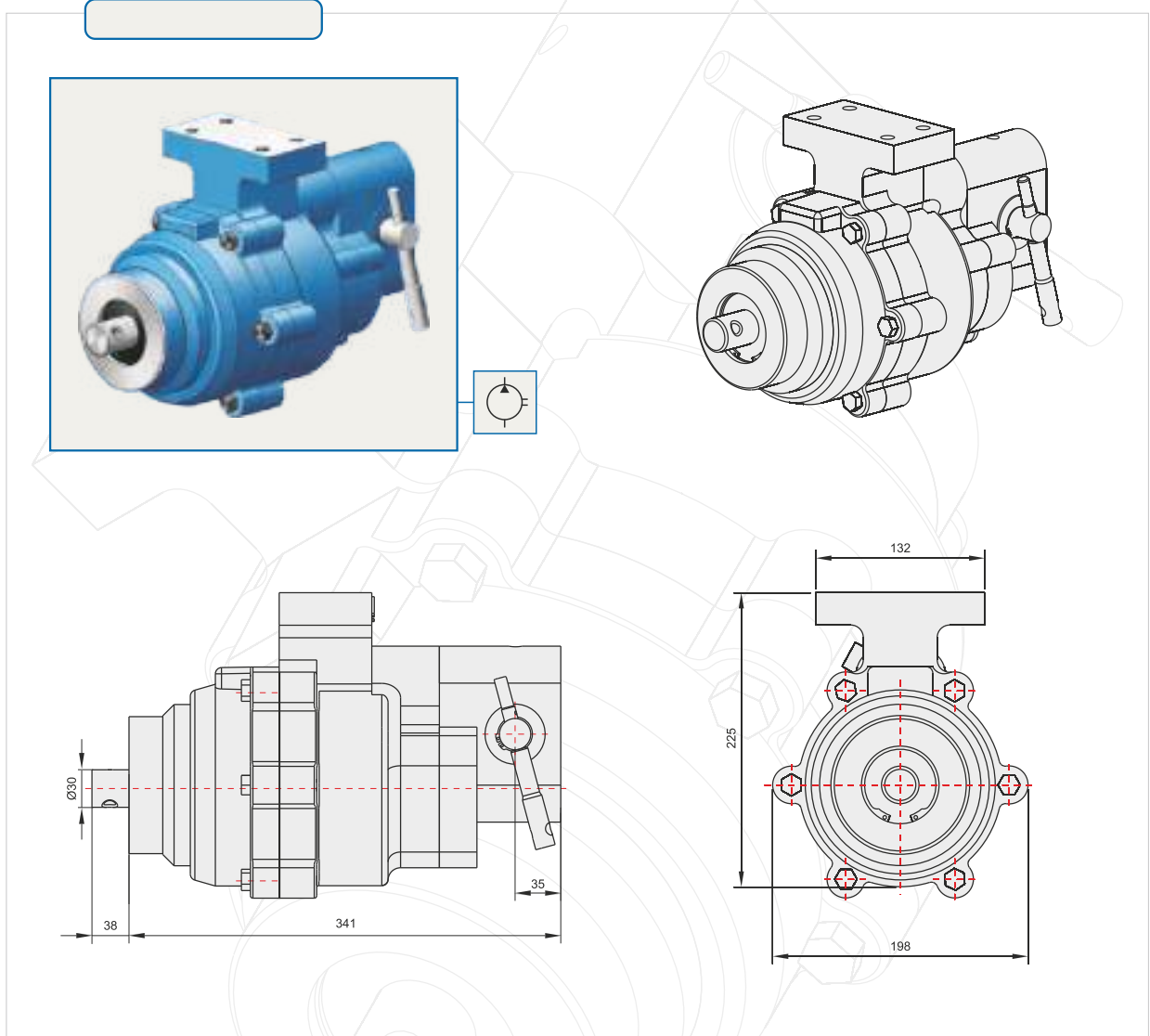
**P3** Maksimum Ani Basınç - Max. Peak Pressure  
**P2** Maksimum Kesik Basınç - Max Intermittent Pressure  
**P1** Maksimum Sürekli Basınç - Max Continuous Pressure



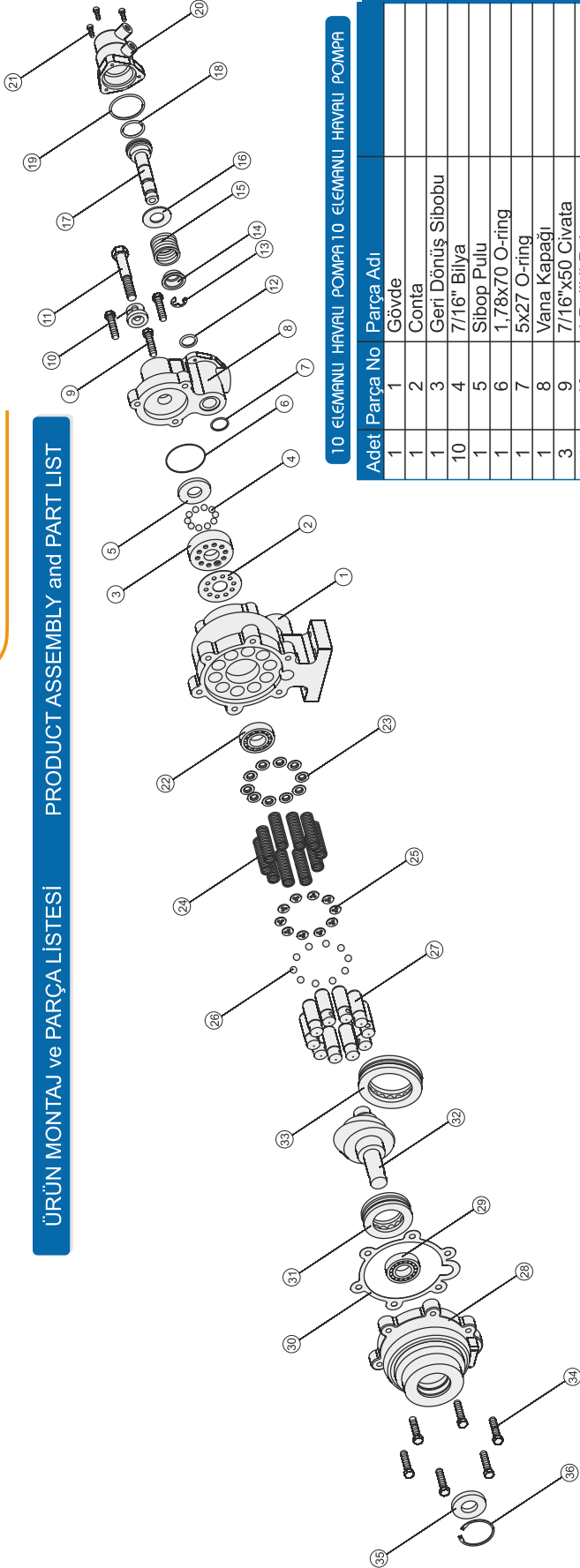
İdeal yağ sıcaklığı ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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**GENEL BİLGİLER/GENERAL DATA**

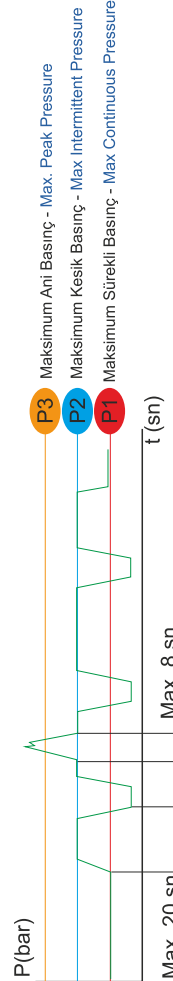
Pompa Tipi Pump Type	Debi Displacement	Max. Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max. Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max. Ani Basınç Max. Peak Pressure	Ağırlık Weight
100	99,4/21,8	1300	300	1900	310/4495	360/5220	460/6670	32,5/71,65
Yağ Giriş/ Çıkışı - Oil Inlet/Outlet	Akışkan Flüt				R 1 1/4" - R 3/4"			
					Mineral bazlı hidrolik yağ Mineral based hydraulic oil			

**10 PİSTONLU MEKANİK POMPA**
**10 PISTON MECHANIC PUMP**

**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi / Pump Type	100
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	32,5
(C) Yağ Giriş - Oil Inlet	R 1 1/4"
(D) Yağ Çıkış - Oil Outlet	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil

**10 PİSTONLU HAVALI POMPA**
**10 PISTON PNEUMATIC PUMP**
**HİDROLİK POMPALAR**
**HYDRAULIC PUMPS**
**ÜRÜN MONTAJ ve PARÇA LİSTESİ**
**PRODUCT ASSEMBLY and PART LIST**

**10 ELEMANLI HAVALI POMPA 10 ELEMANLI HAVALI POMPA**

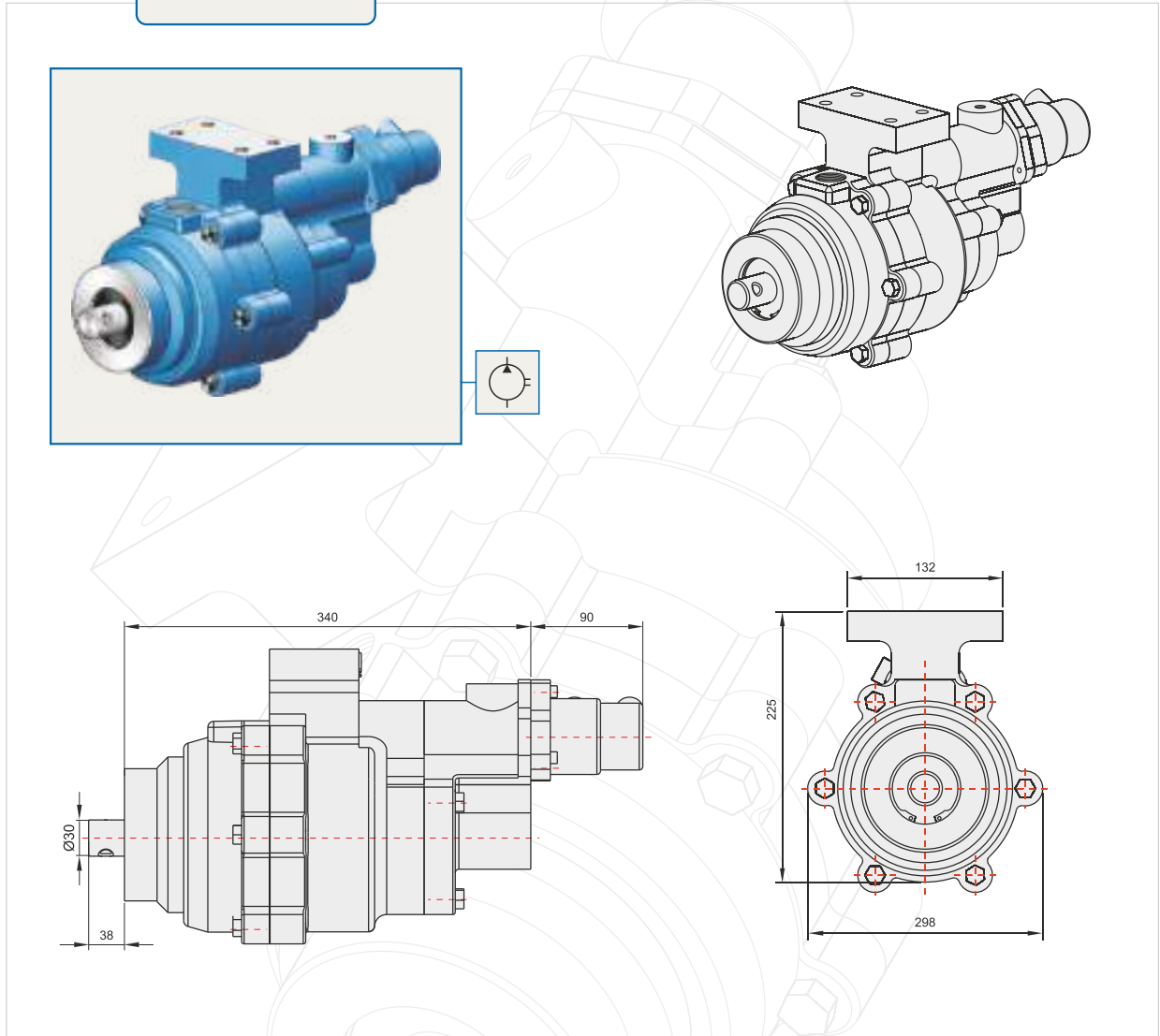
Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Conta
1	3	Geri Dönüş Sibobu
10	4	7/16" Bilya
1	5	Sibop Pulü
1	6	1,78x70 O-ring
1	7	5x27 O-ring
1	8	Vana Kapağı
3	9	7/16"x50 Civata
1	10	4 Delikli Pul
1	11	9/16"x90 Civata
1	12	3,53x21,82 O-ring
1	13	6799-25 Ay Segman
1	14	Bombeli Pul
1	15	Yay
1	16	25x51,5x3 Pul
1	17	Prömatik Mil
1	18	3,53x39 O-ring
1	19	4x56 O-ring
1	20	Prömatik Kovan
3	21	6x25 Civata
1	22	Ni 206 Rulman
10	23	Yay Ortalama Pulü
10	24	Yay
10	25	Üç Delikli Pul
10	26	12,7 Bilya
10	27	Piston
1	28	Krank Kapağı
1	29	6206 Rulman
1	30	Conta
1	31	51211 Rulman
1	32	Krank
1	33	51216 Rulman
6	34	7/16"x45 Civata
1	35	30x62x10 Keçe
1	36	472x62 Segman
99		TOPLAM PARÇA SAYISI



İdeal yağ sıcaklığı Ideal oil temp.	50° / 60°C	Maksimum sıcaklık Maximum temp.	0° / 80°C
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**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi Pump Type	Debi Displacement	Max Sürekli Hız Max. Continuous Speed	Min. Kesik Hız Min. Intermitt. Speed	Max. Kesik Hız Max. Intermitt. Speed	Max Sürekli Basınç Max. Continuous Pressure	Max. Kesik Basınç Max. Intermitt. Pressure	Max Ani Basınç Max. Peak Pressure	Ağırlık Weight
100	99,4/21,8	1300	300	1900	310/4495	360/5220	460/6670	kg(lb) Pound 34/75
Yağ Giriş/ Çıkışı - Oil Inlet/Outlet	Akışkan Fluit				R 1 1/4" - R 3/4"			Mineral bazlı hidrolik yağ Mineral based hydraulic oil



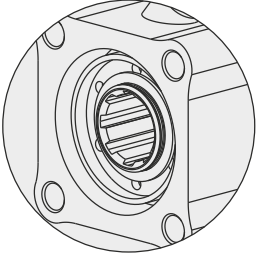
**GENEL BİLGİLER/GENERAL DATA**

Pompa Tipi / Pump Type	100
Min. Boru Çapı / Min. Hose Dia.	33
Ağırlık / Weight(kg)	34
(C) Yağ Giriş - Oil Inlet	R 1 1/4"
(D) Yağ Çıkış - Oil Outlet	R 3/4"
Akışkan Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil

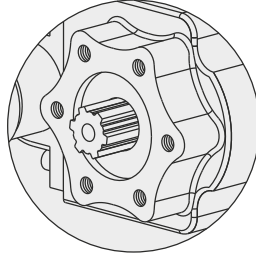
## P.T.O. / POWER TAKE OFF

### PTO'LARIN SINIFLANDIRILMASI

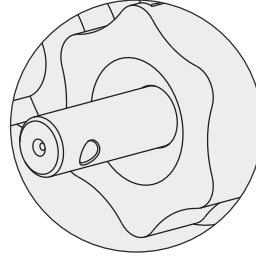
- 1-) PTO'lar ana şanzımana sağ yandan, sol yandan veya kuyruktan bağlanabilirler.
- 2-) Kuyruktan bağlanan PTO'lar düz tip (tek dişli) ve aktarmalı tip (çift dişli) olarak ikiye ayrılır.
- 3-) PTO'lar çalışma sistemine göre havalı, mekanik veya vakumlu olarak üç gruba ayrılır.
- 4-) PTO çıkışları Iso, Uni, pim delikli ve flanşlı olmak üzere dört farklı çıkışa sahiptir.



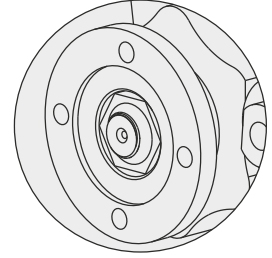
Iso



Uni



Pim Delikli



Flanşlı

### PTO SEÇİMİNDE DİKKAT EDİLECEK HUSUSLAR

- 1-) Aracın modelini ve ana şanzıman model nosunu ana şanzıman üzerindeki etiketten tam olarak belirleyin. Katalogdan ilgili PTO grubunu ve çeşitlerini inceleyin.
- 2-) Şanzıman bağlantı yerini belirleyin (kuyruk, sağ, sol)
- 3-) Ana şanzımana uygun PTO'yu seçin.
- 4-) PTO'nun ürettiği gücün ve devrin sizin gereksiniminizi karşılayıp karşılamadığını belirleyin.
- 5-) PTO ile birlikte ihtiyacınız olabilecek ek ürünleri (kardan mili, flanş, kaplin vb.) belirleyin.
- 6-) PTO'nun kumanda tipini belirleyiniz (havalı, mekanik, vakumlu)

### MONTAJ YAPILIRKEN DİKKAT EDİLMESİ GEREKEN HUSUSLAR

- 1-) Montaj sırasında aracın motorunu kapatın.
- 2-) Ana şanzıman yağın kapalı bir kutuya boşaltın.
- 3-) Ana şanzıman dişlisini koruyan kapağı açın. Bağlantı yüzeyini ve civata deliklerini temizleyin.
- 4-) PTO bağlantı saplamalarını ana şanzımana gevşemeyecek şekilde sıkın.
- 5-) PTO contasını montaj esnasında sabit durması için gres ile yağlayın. Kullanılan yağ kalıcı olmalıdır.
- 6-) 6 delikli PTO'larda civatalar 60Nm, 8 delikli PTO'larda 70Nm, kuyruktan 4 delikli PTO'larda 70Nm olmalıdır.
- 7-) PTO'yu ana şanzımana monte ettikten sonra motoru 5-10 sn kadar çalıştırın ve PTO'dan gelen sesi dinleyin. Ses inilti ise dişler birbirinin üzerine fazla basmış olabilir. PTO'yu alıp bir conta daha veya biraz daha kalın bir conta takın. Eğer PTO'dan gelen ses takırtılı ise daha ince bir conta takın. Hiçbir zaman PTO ile şanzıman yüzeyini birbirine temas ettirmeyelim.
- 8-) Boşaltılan ana şanzıman yağın doldurun, eksik ise tamamlayın. Kontrol etmeden kesinlikle aracı hareket ettirmeyin.
- 9-) Motoru 5-10 dakika kadar çalıştırın. Bu süre zarfında herhangi bir problemle karşılaşmadığınız takdirde montaj başarılı olmuştur.
- 10-) Civataların sıkılığını tekrar kontrol edin, gözle son kontrolü yapın.
- 11-) Kompresörden gelen hortumu PTO'ya takın. Minimum 6 bar.
- 12-) PTO'nun devreye geçip geçmediğini kontrol edin.

### PTO PROBLEMLERİ

#### a-) PTO Devreye Geçmemesi

- 1-) Bu sorunun en önemli nedeni hava basıncının yeterince yüksek olmayışı yada hava basınç hortumunda bir kaçak olmasıdır. PTO'lar 6 bar basınç ve üzerinde çalışır.
- 2-) PTO'ya tozlu veya sulu hava gelmektedir. Hava akışları temizlenmeli, gerekirse yenilenmelidir.
- 3-) Pnömatik piston belli bir süre çalışmadığı zaman sıkışma yapabilir ve hava basıncı yüksek olsa bile PTO çalışmaz.
- 4-) Damper düğmesi bozulmuş olabilir.

#### b-) PTO'nun Devreden Çıkması

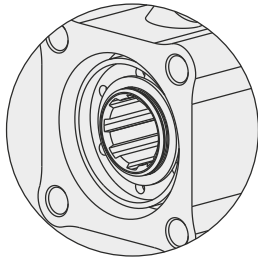
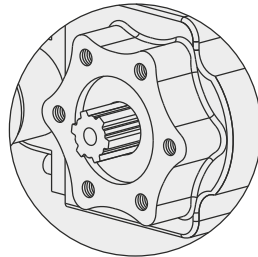
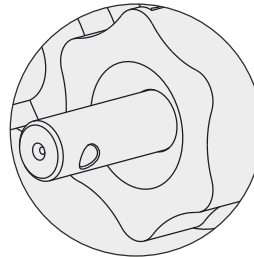
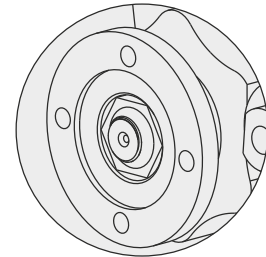
- 1-) Pnömatik piston bozulmuştur. Genelde pistonun içine tozlu ve sulu hava gelmesinden kaynaklanır.
- 2-) Damper düğmesi bozulmuştur. Tahliye yapmaz, pistonu bırakmaz.
- 3-) Debriyajsız kullanımlarda dişli uçları şişme yapıp kavrama dişlisini bırakmayabilir.

#### c-) Diğer Problemler

- 1-) PTO üzerindeki sızdırmazlık ve contaların doğru monte edilmemesi durumunda PTO'nun ürettiği tork düşer.
- 2-) Kavrama dişlisi ile ana şanzıman dişlisinin birbirine sıkı monte edilmesi sonucu PTO'dan yüksek ses çıkar. Sorun giderilmediği takdirde zamanla rulmanlar ve dişliler zarar görebilir.
- 3-) Araç PTO devreden çıkarılmadan hareket ettirilirse PTO'ya ve ana şanzımana ciddi zararlar verebilir.

**CLASSIFICATION OF PTOS**

- 1) PTOs can be mounted to the gear box from the right or left side or from the rear.
- 2) PTOs mounted from the rear are divided into two, namely flat type (single gear) and mounting type (double gear).
- 3) PTOs are divided into three groups according to operation system, namely pneumatic, mechanic or vacuum.
- 4) PTOs have four different types of outlets such as Iso, Uni, pin holed and flanged.


**Iso**

**Uni**

**Pin Hole**

**With Flange**
**POINTS TO TAKE INTO CONSIDERATION ON PTO SELECTION**

- 1) Define exactly the vehicle and the gear box models numbers from the label on the gear box. Examine relevant PTO group and types from the catalogue.
- 2) Determine the gear box mounting location (rear, right, left).
- 3) Select the PTO compatible with the gear box.
- 4) Determine whether the power and rotation provided by the PTO meet your requirement or not.
- 5) Determine additional products (drive shaft, flange, coupling, etc) you may need together with the PTO.
- 6) Determine the PTO command type (pneumatic, mechanic, vacuum).

**POINTS TO BE TAKEN INTO CONSIDERATION DURING THE ASSEMBLY**

- 1) Stop the vehicle engine during the assembly.
- 2) Discharge the gear box oil into a can.
- 3) Open the cover protecting the main transmission gear. Clean the mounting surface and bolt holes.
- 4) Tighten well PTO mounting drift pins to the gear box.
- 5) Grease PTO seal to make it stable during the assembly. Grease used should be permanent.
- 6) Bolts should be 60Nm on 6 holes PTO, 70 Nm on 8 holes PTO and 70Nm on rear mounting 4 holes PTO.
- 7) Start the engine for 5-10 seconds after having assembled the PTO on the gear box and listen to the noise of PTO. Gears may be pressed more than necessary on each other if the noise is moaning. Remove PTO and put another seal in addition or a thicker seal. Put a thinner seal if the noise is clattering. Never contact the PTO with gear box surface.
- 8) Fill in the discharged gear box oil and add if necessary. Never move the vehicle without having controlled.
- 9) Start the engine for 5 to 10 minutes. The assembly is successful if no problems occur within this period.
- 10) Control again the tightness of bolts and make a last visual control.
- 11) Mount the hose coming from the compressor to the PTO. Minimum 6 bar
- 12) Control whether PTO works or not.

**PTO PROBLEMS**
**a-) Not Working Pto**

- 1) The most important reason for this problem may be a not sufficiently high pressure or a leak on air pressure hose. PTOs operate under 6 bar pressure or over.
- 2) Dusty or wet air is coming to PTO. Air should be cleaned in the night and renewed if necessary.
- 3) Pneumatic piston may get jammed if it is not operational for a given time and doesn't operate even on high air pressure.
- 4) Dumper button may be deteriorated.

**b) Not be able to stop pto white working**

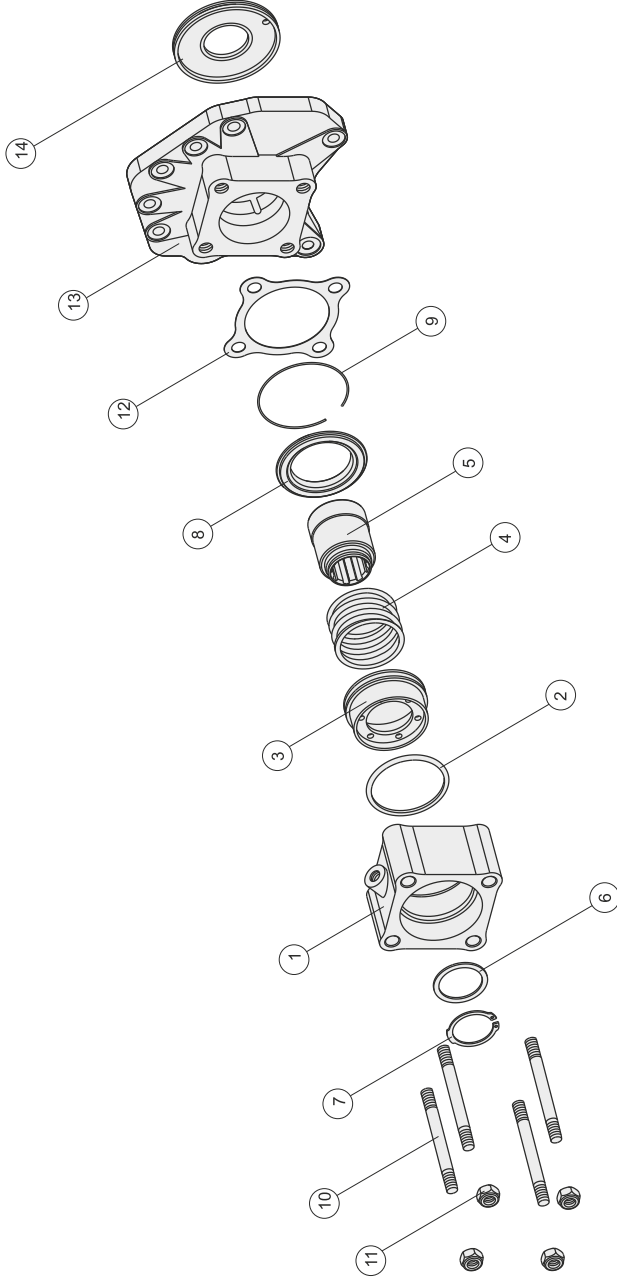
- 1) Pneumatic piston may be deteriorated. This is generally due to coming of dusty and wet air to the piston.
- 2) Dumper button may be deteriorated. It does not discharge and let the piston free.
- 3) Gear ends may get swelled and do not let the couplar gear free on uses without clutch.

**c) Other problems**

- 1) Torque provided by PTO decreases if the impermeability is not fit and seals are not assembled in the right way.
- 2) A loud noise emerges from the PTO if couplar gear and transmission gear are not tightly assembled. Ball bearings and gears may be damaged if the problem is not solved.
- 3) PTO and the gear box may be severely damaged if the vehicle starts to work without PTO getting disengaged.

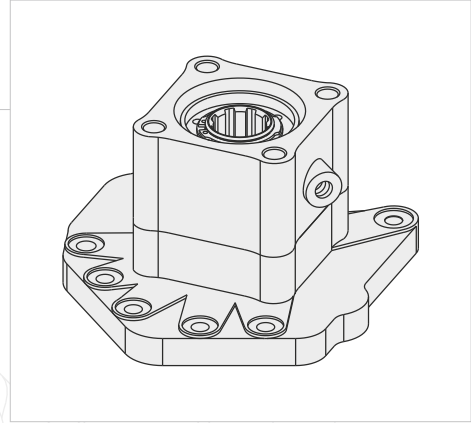
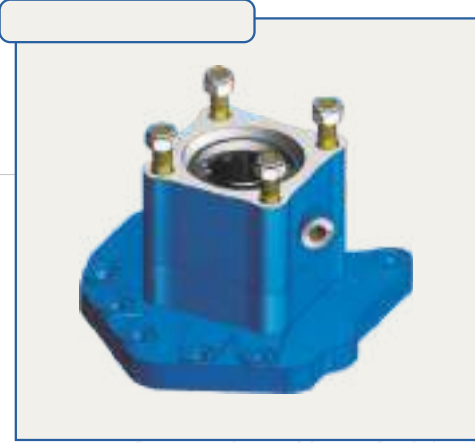


ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

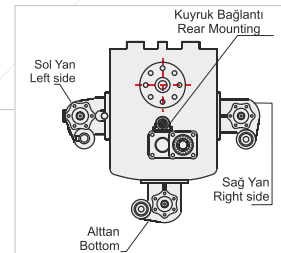
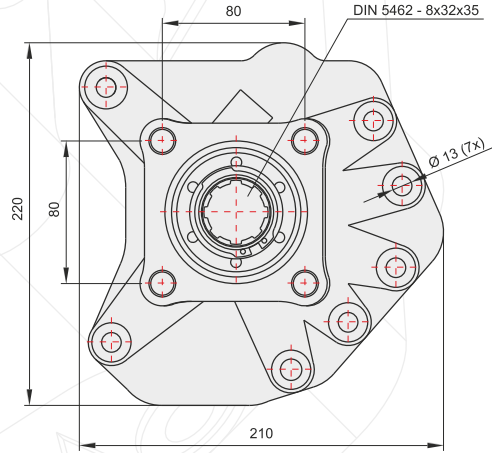
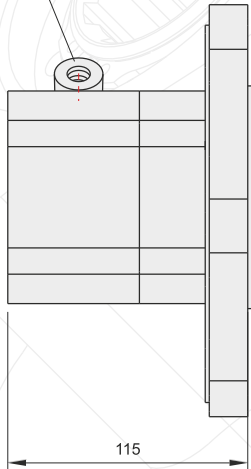


MERCEDES G155-1

Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	69,22x5,33 X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	Zf1 Kavrama-45
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	Zf1 Ortalayıcı pul
1	9	1.70 Tel Segman
4	10	M12x120 Saplama
4	11	M12 Somun
1	12	Zf1 Conta
1	13	G155 Plate
1	14	G155 Alüminyum Plate
20	TOPLAM PARÇA SAYISI	

**MERCEDES / G155-1**


AIR INLET R 1/4"  
HAVA GİRİŞİ R 1/4"


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23 Kgm	255 Nm
Güç(1000 rpm) / Power	16 Hp	12 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G 125-135-155-180-200-210-221-240-255-260	1729-1735-1827-1834-1838-1929-1935-2038-2429-2435-2527-2531-2534-2629-2631-2635-2638-3229-3234-3534-3535-1831-1835-1840-1844-1848-1850-1857-1934-1938-1953-2044-2050-2544-2550-2650-2643-2644-3031-3234-3331-3348-4148-3331-3335-3336-3235-3340-2031-2040-2648-3548-3553-3557-3538
	ACTROS MERCEDES BENZ

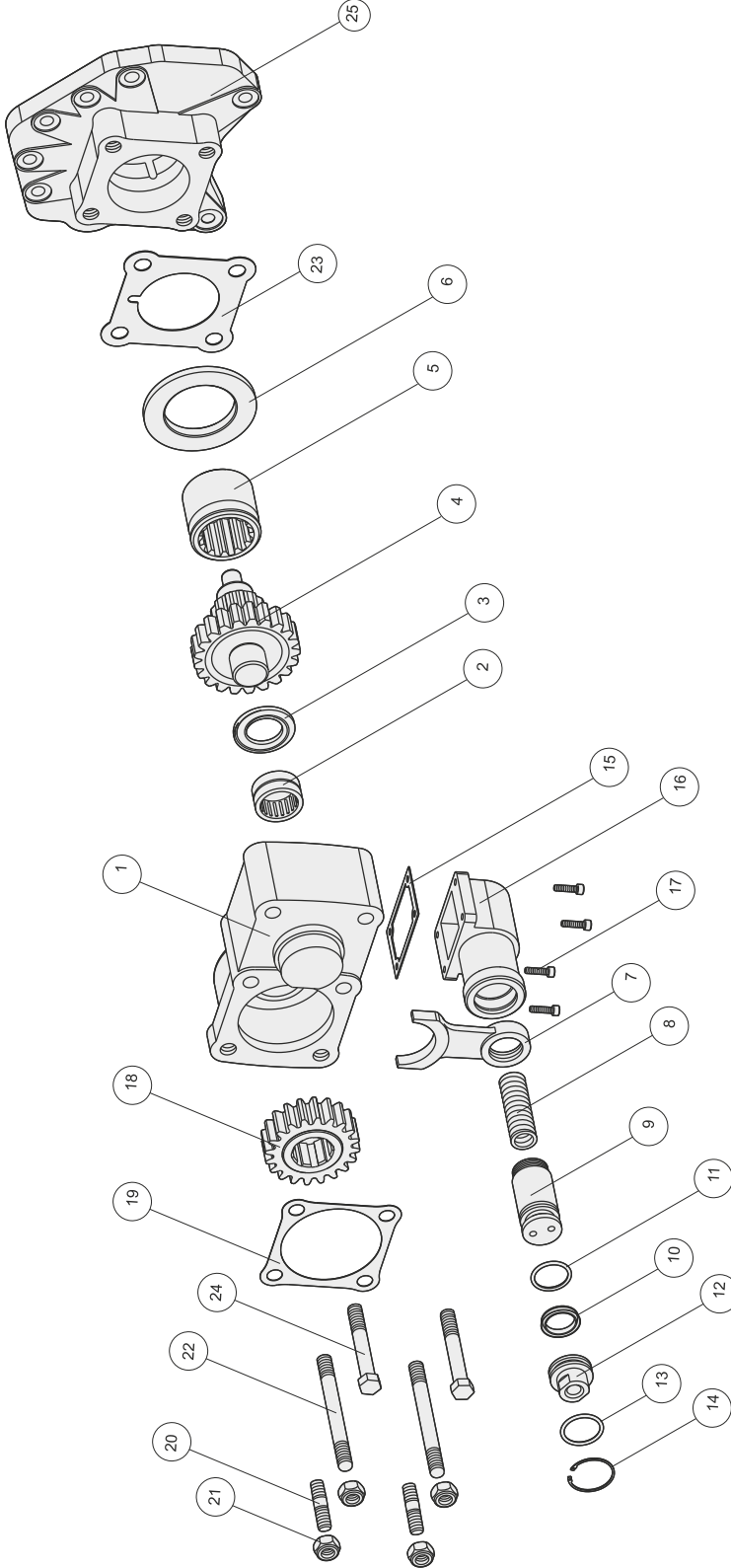
Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

POWER TAKE OFF

P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES G155-2

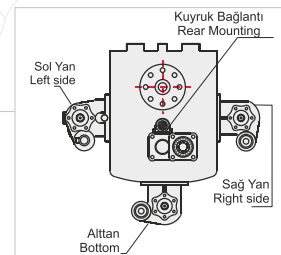
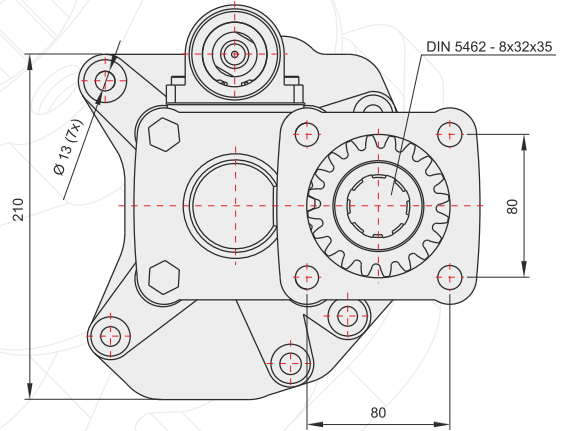
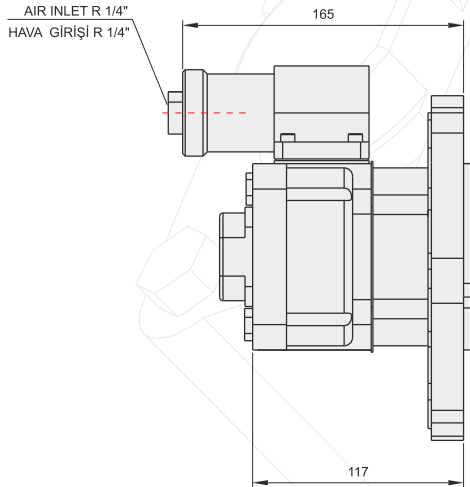
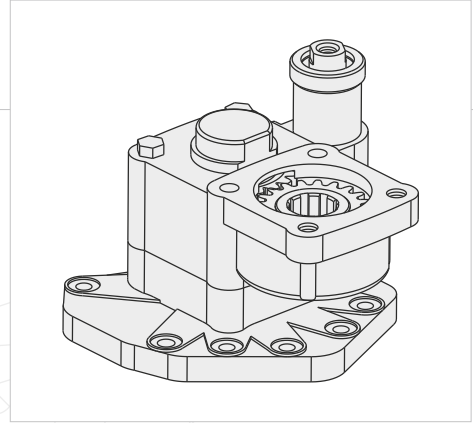
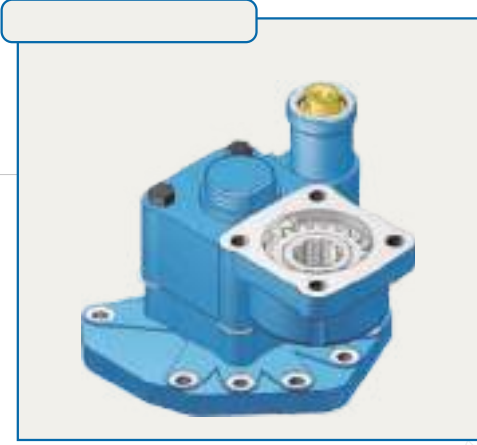
Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	G155-2 Ortalayıcı Pul
1	7	Hilal
1	8	Pnömatik Yay
1	9	Pnömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Pnömatik Kapak
1	13	29,75x3,53 O-ring

Adet	Parça No	Parça Adı
1	14	472-36 Segman
1	15	Pnömatik kovan contası
1	16	Pnömatik kovan
4	17	M6x20 Cıvata
1	18	8x20 Dişli
1	19	Zf1 Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M120x20 Saplama
1	23	Zf2 Conta
2	24	M12x90 Cıvata
1	25	G100 Plate
34		

**MERCEDES / G155-2**

POWER TAKE OFF

P.T.O.


**GENEL BİLGİLER/GENERAL DATA**

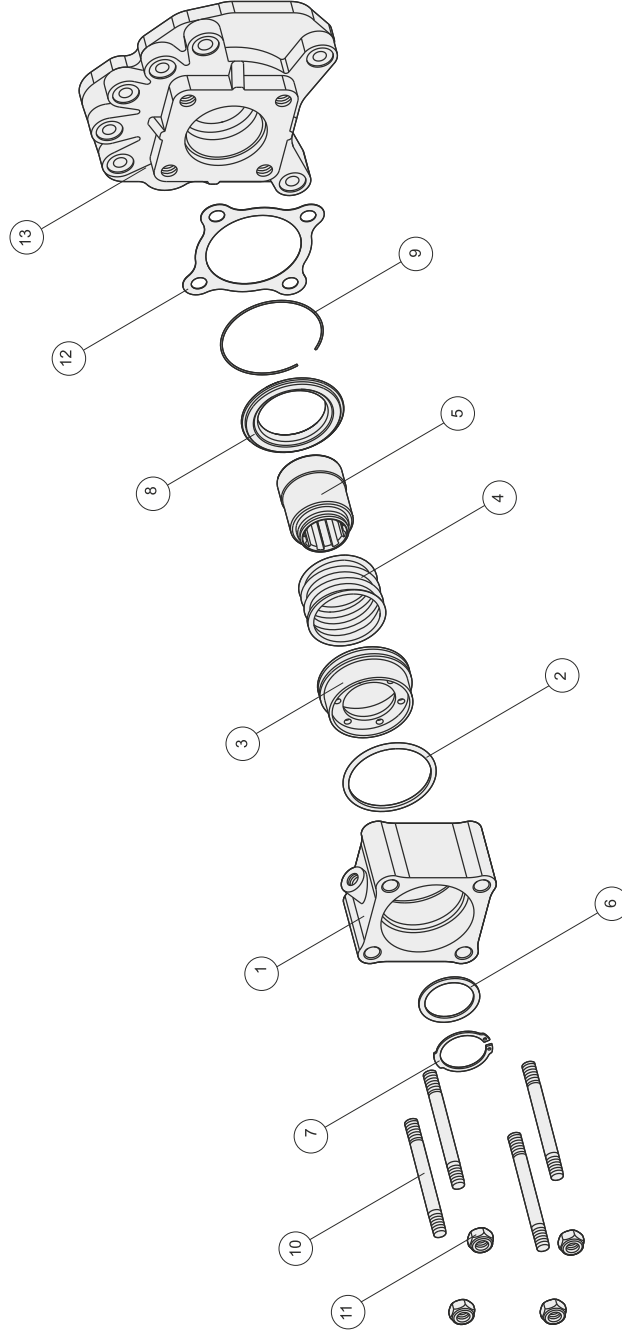
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	28 Kgm	275 Nm
Güç(1000 rpm) / Power	57,7 Hp	43 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	16,6 kg	36,6 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G 125-135-155-180-200-210-221-240-255-260	1729-1735-1827-1834-1838-1929-1935-2038-2429-2435-2527-2531-2534-2629-2631-2635-2638-3229-3234-3534-3535-1831-1835-1840-1844-1848-1850-1857-1934-1938-1953-2044-2050-2544-2550-2650-2643-2644-3031-3234-3331-3348-4148-3331-3535-3336-3340-3235-3340-2031-2040-2648-3548-3553-3557-3538
	ACTROS MERCEDES BENZ

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



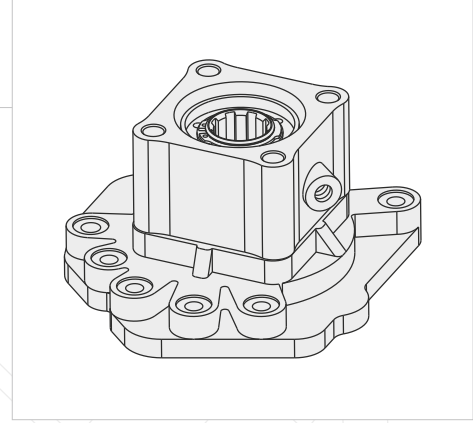
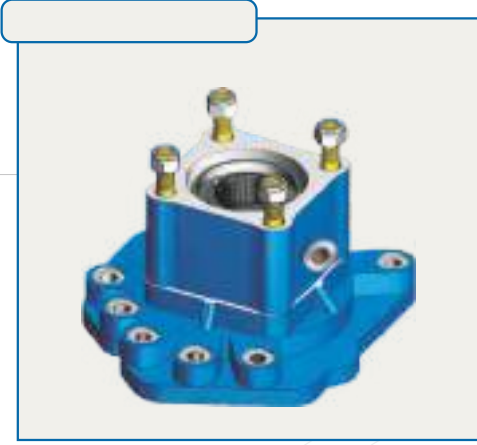
MERCEDES G100-1

Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	Zf1 Kavrıma-40
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	Zf1 Ortalayıcı pul
1	9	1,70 Tel Segman
4	10	M12x120 Saplama
4	11	M12 Somun
1	12	Zf1 Conta
1	13	G100 Plate
19	TOPLAM PARÇA SAYISI	

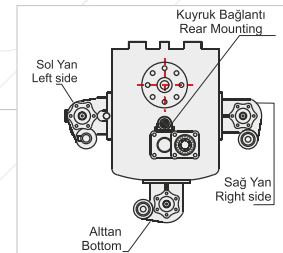
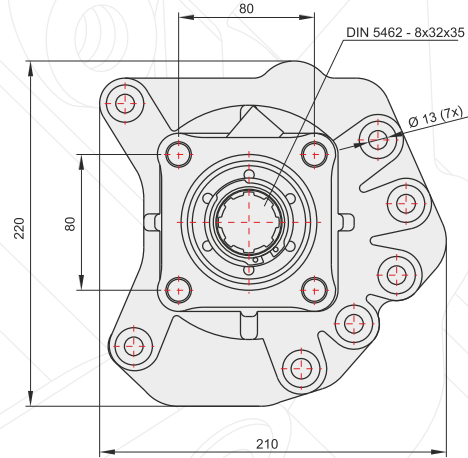
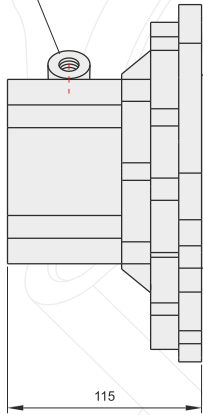
## MERCEDES / G100-1

POWER TAKE OFF

P.T.O.



AIR INLET R 1/4"  
HAVA GİRİŞİ R 1/4"



### GENEL BİLGİLER/GENERAL DATA

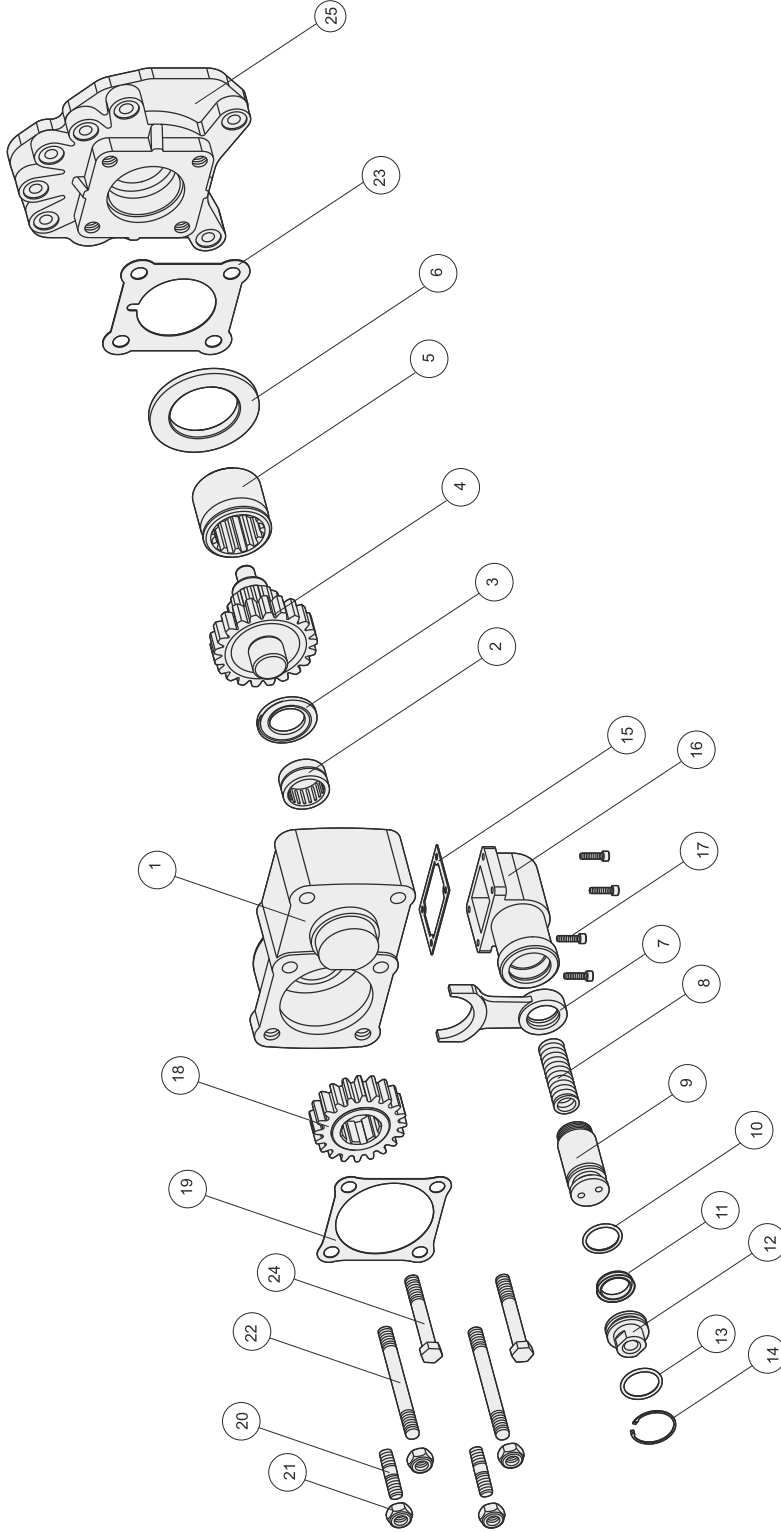
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24 Kgm	235,5 Nm
Güç(1000 rpm) / Power	16 Hp	12 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	10,5 kg	23,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G 100	1528-1823-1828-1924-2523-2528-2623-2628-2832-3224-3228-AXOR 1223-1323-1523-1328-1828-2528-2628 ATEGO

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES G100-2

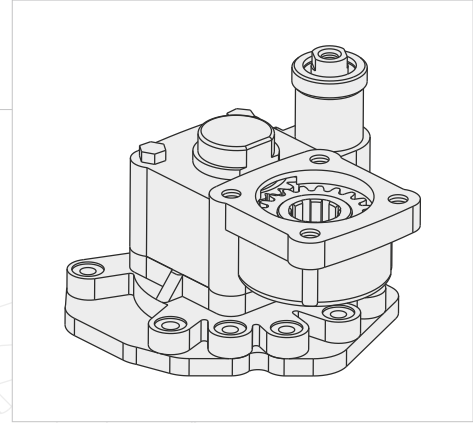
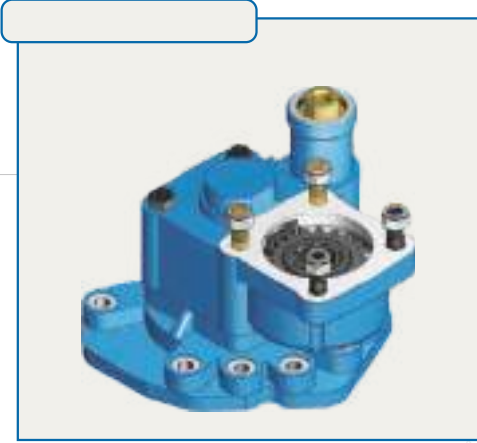
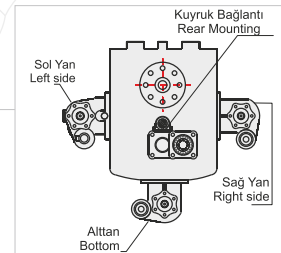
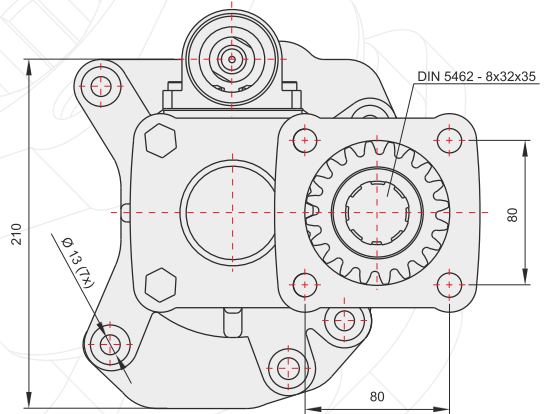
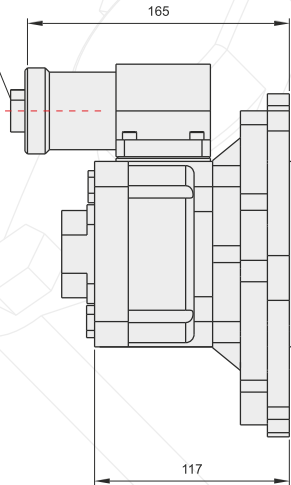
Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	G100-2 Ortalayıcı Pul
1	7	Hilal
1	8	Prömatik Yay
1	9	Prömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Prömatik Kapak
1	13	29,75x3,53 O-ring

Adet	Parça No	Parça Adı
1	14	472-36 Segman
1	15	Prömatik kovan contası
1	16	Prömatik kovan
4	17	M6x20 Cıvata
1	18	8x20 Dişli
1	19	Zf1 Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M120x20 Saplama
1	23	Zf2 Conta
2	24	M12x90 Cıvata
1	25	G100 Plate
34		

**MERCEDES / G100-2**

POWER TAKE OFF

P.T.O.


 AIR INLET R 1/4"  
 HAVA GİRİŞİ R 1/4"

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	30 Kgm	295 Nm
Güç(1000 rpm) / Power	57,7 Hp	43 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	16,6 kg	36,6 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

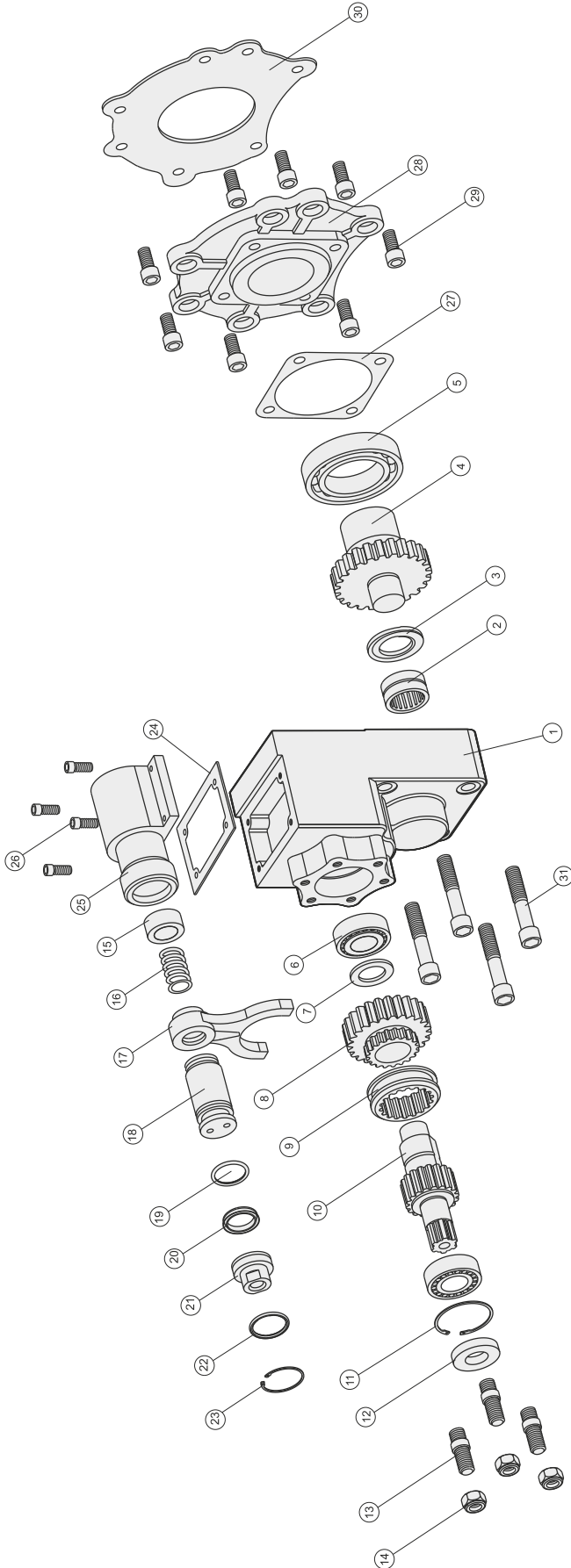
Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G 100	2523-2528-3228 AXOR

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

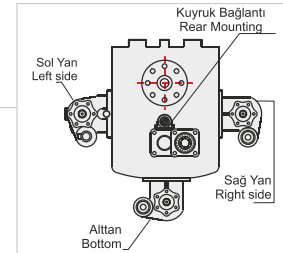
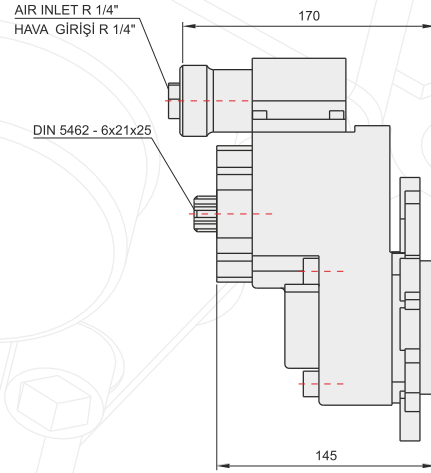
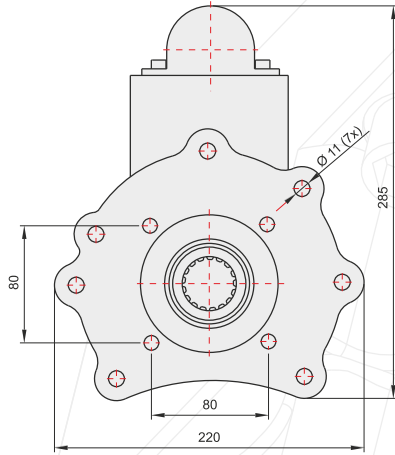
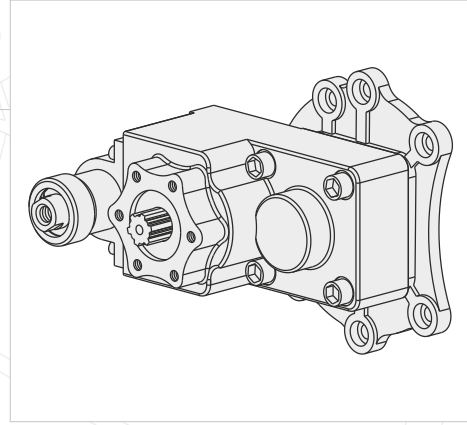
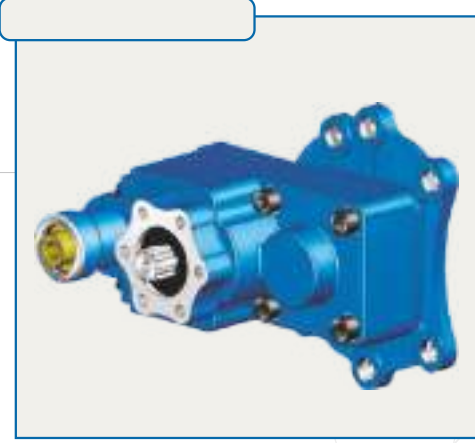


ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES ATEGO

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	1	Gövde	1	17	Hilal
1	2	Nk 30/20 Rulman	1	18	Phömatik Piston
1	3	31x52x4 Bronz Pul	1	19	3x27 O-ring
1	4	Grup Dişlisi	1	20	33x25x5,5 Nutring
1	5	6011 Rulman	1	21	Phömatik Kapak
2	6	Nj 205 Rulman	1	22	29,75x3,53 O-ring
1	7	25,5x39,5x3 Pul	1	23	472-36 Segman
1	8	Küçük Dişli	1	24	Phömatik Kovan Contası
1	9	Senkromeç	1	25	Phömatik Kovan
1	10	6x18 Alt Mil	4	26	M6x20 Cıvata
1	11	472-52 Segman	1	27	Conta
1	12	25x52x10 Kece	1	28	Atego- Plate
3	13	M10x45 Saplama	8	29	M10x25 Cıvata
3	14	M10 Somun	1	30	Atego Conta
1	15	25x35x15 Ortalama Pulü	4	31	M12x65 Cıvata
1	16	Phömatik Yay	49		TOPLAM PARÇA SAYISI


**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

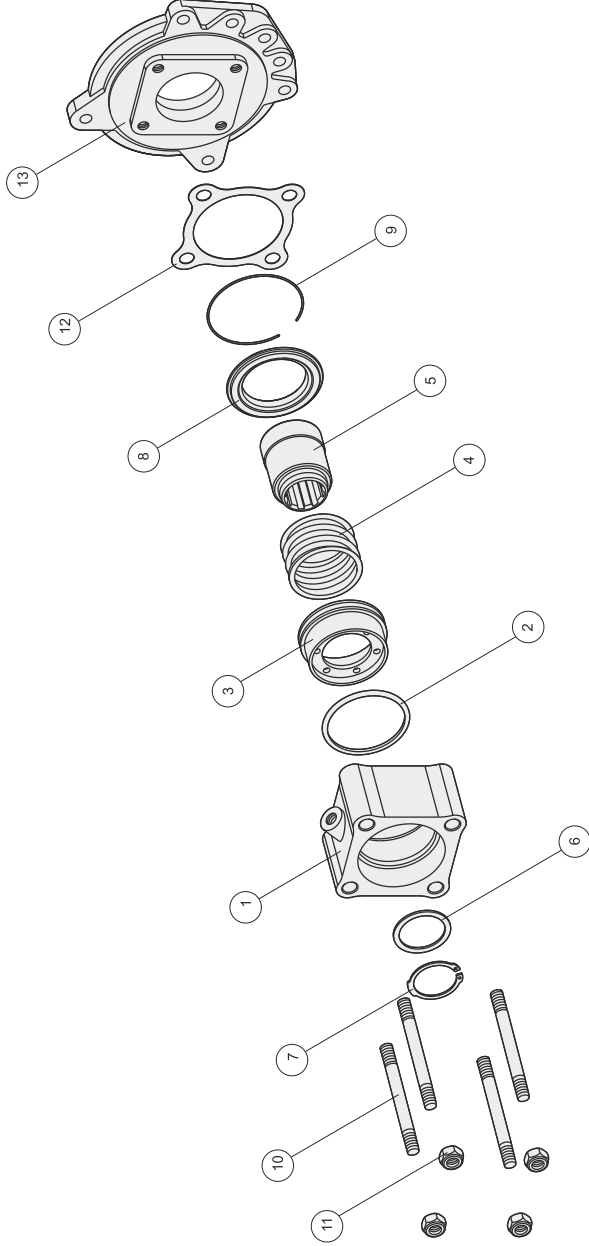
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	22,4 Kgm	219,7 Nm
Güç(1000 rpm) / Power	20 Hp	14,9 Kw
Devir / Speed	650 rpm	650 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	12 kg	26,5 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G 60,85	614-814-815-818-817-823-925-1017-1328-1215-1217-1223-1225-1317-1323-1328-1517-1523-1618-1623-1823 ATEGO

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ



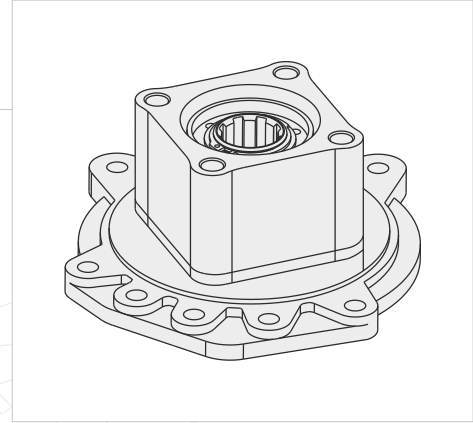
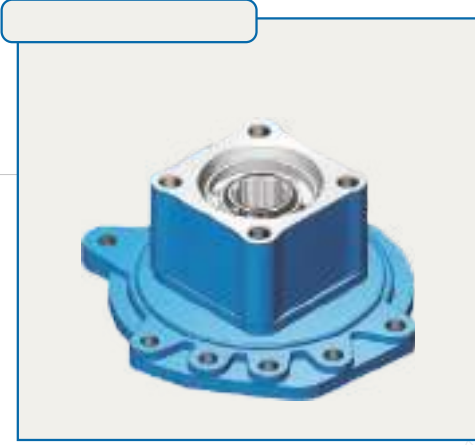
MERCEDES G4

Adet	Parça No	Parça Adı
1	Zf1	Gövde
1	69,22x5,33	X-ring
1	Zf1	Piston
1	Zf1	Yay
1	Zf1	Kavrama-40
1	42x52x2	Pul
1	471-42	Segman
1	Zf1	Ortalayıcı pul
1	1,70	Tel Segman
4	M12x120	Saplama
4	M12	Somun
1	Zf1	Conta
1	G4	Plate
19	TOPLAM PARÇA SAYISI	

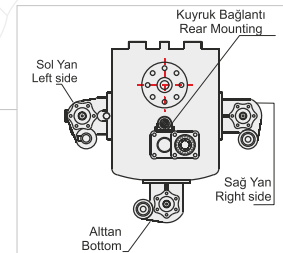
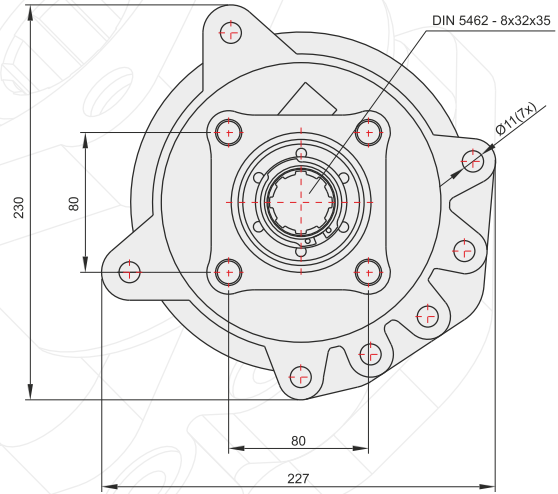
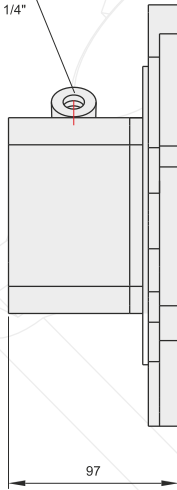
## MERCEDES / G4

POWER TAKE OFF

P.T.O.



AIR INLET R 1/4"  
HAVA GİRİŞİ R 1/4"



### GENEL BİLGİLER/GENERAL DATA

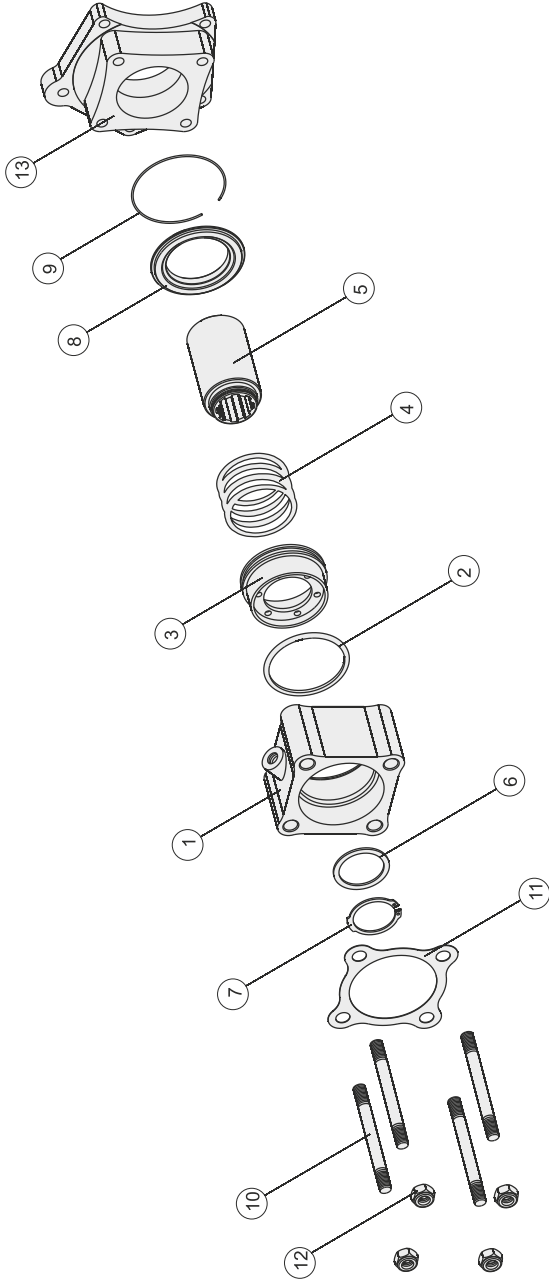
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23,5 Kgm	230,5 Nm
Güç(1000 rpm) / Power	16 Hp	12 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	12 kg	26,5 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G4-GV/ 4 65,90,95,110,125,135,155,180	1222-1224-1417-1419-1617-1619-1620-1722-1733-1817-1820-1821-1827-1831-1922-2232-2517-2521-2527-3027-1424-1628-1820-1824-1929-1935-1948-2224-2222-2426-2524-2622-2629-2635-MERCEDES BENZ

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

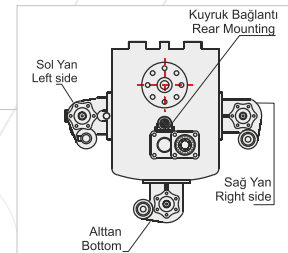
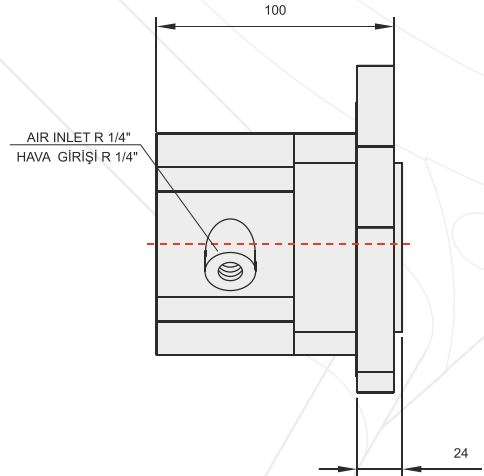
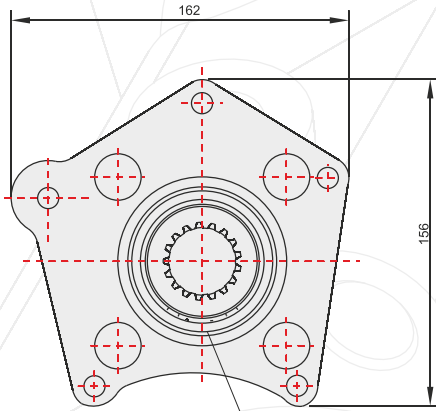
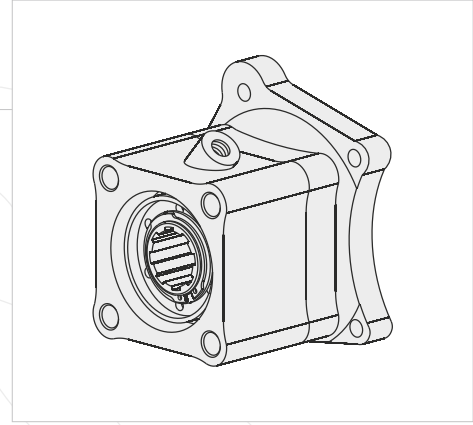
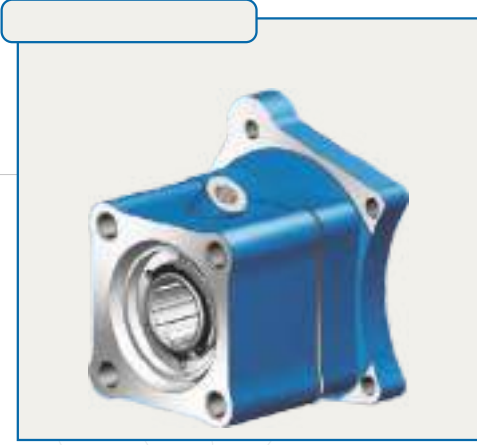
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES 352-1

Adet	Parça No	Parça Adı
1	Zf1 Gövde	
1	69,22x5,33 X-ring	
1	Zf1 Piston	
1	Zf1 Yay	
1	352 Kavrma	
1	42x52x2 Pul	
1	471-42 Segman	
1	Zf1 Oritalayıcı Pul	
1	1,70 Tel Segman	
4	M12x120 Saplama	
1	Zf1 Conta	
4	M12 Somun	
1	352 Plate	
19	TOPLAM PARÇA SAYISI	


**GENEL BİLGİLER/GENERAL DATA**

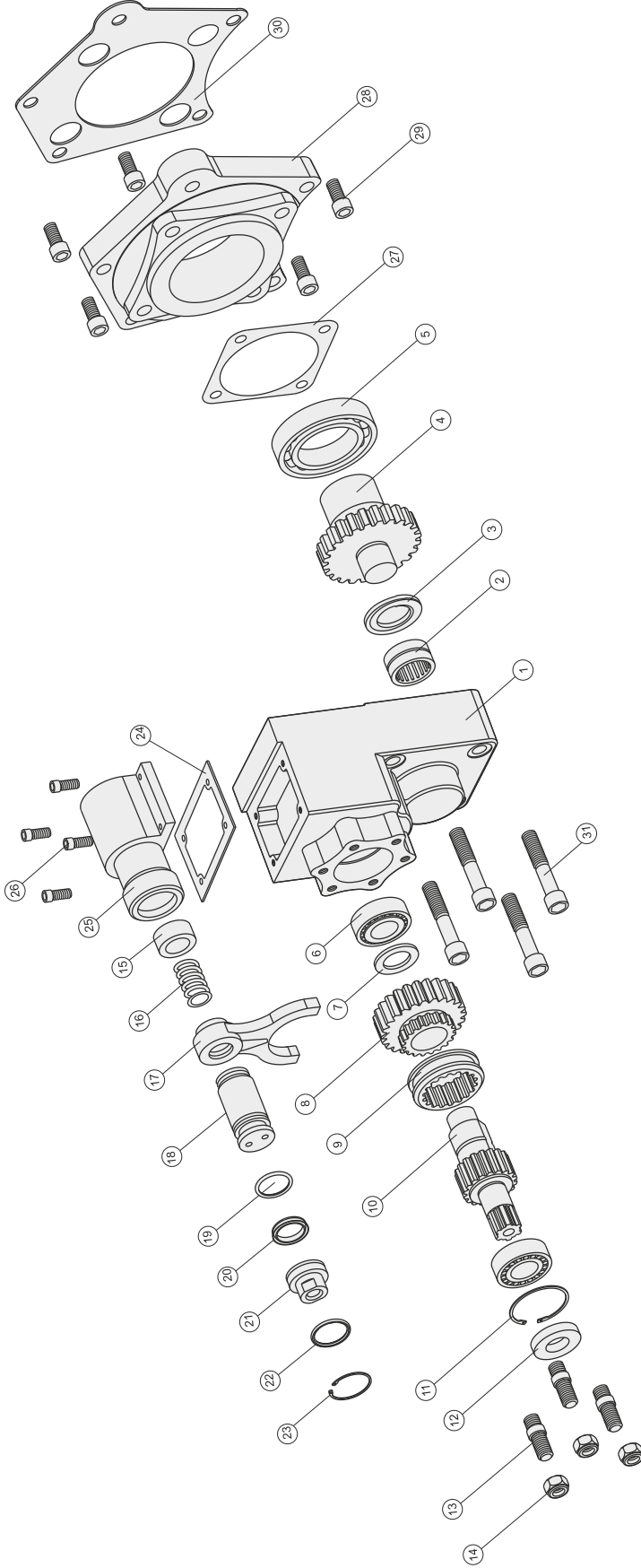
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23 Kgm	225 Nm
Güç(1000 rpm) / Power	29,7 Hp	21,9 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	7,5 kg	16,5 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G3 / 32,36,40,45,50,55,60,61	315-352-362-383-609-710-712-809-812-813-814-817-913-1017-1113-1114-1213-1216-1318-1618

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

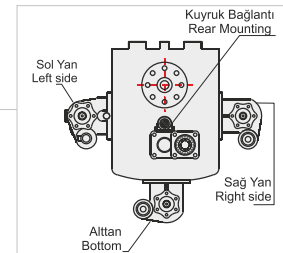
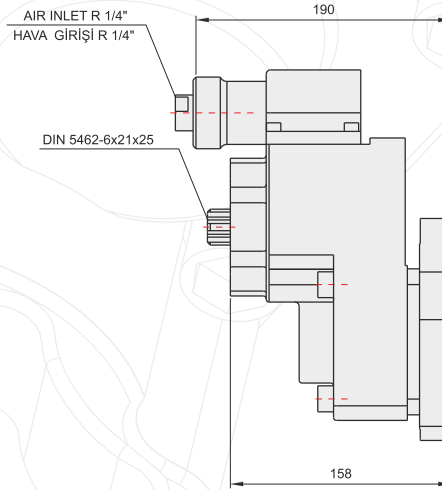
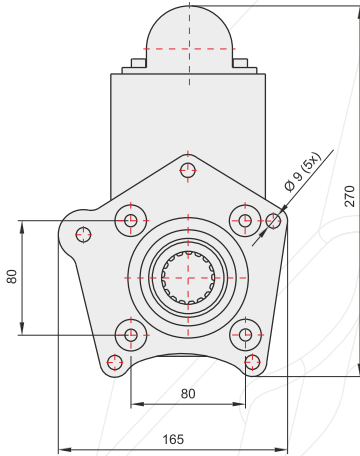
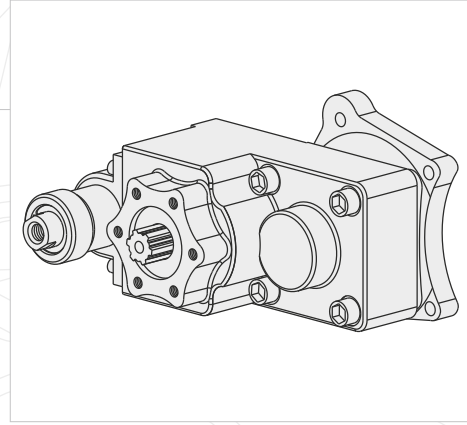
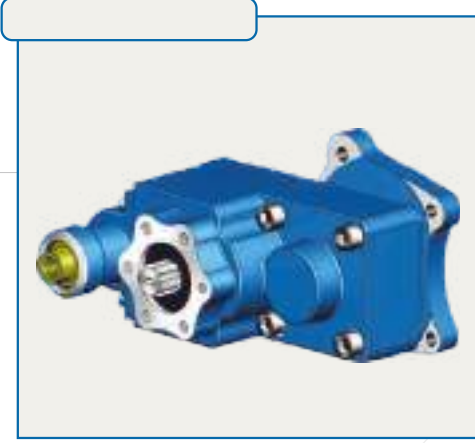
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES 352-2

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk. 30/20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Ni 205 Rulman
1	7	25,5x39,5x3 Pul
1	8	Küçük Dişli
1	9	Senkromeç
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Kece
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pulü
1	16	Pnömatik Yay

Adet	Parça No	Parça Adı
1	17	Hilal
1	18	Pnömatik Piston
1	19	3x27 O-ring
1	20	33x25x5,5 Nutring
1	21	Pnömatik Kapak
1	22	29,75x3,53 O-ring
1	23	472-36 Segman
1	24	Pnömatik Kovan Contası
1	25	Pnömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	352- Plate
5	29	M10x25 Cıvata
1	30	352 Canta
4	31	M12x65 Cıvata
43		


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	22,4 Kgm	219,7 Nm
Güç(1000 rpm) / Power	18,5 Hp	13,8 Kw
Devir / Speed	600 rpm	600 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

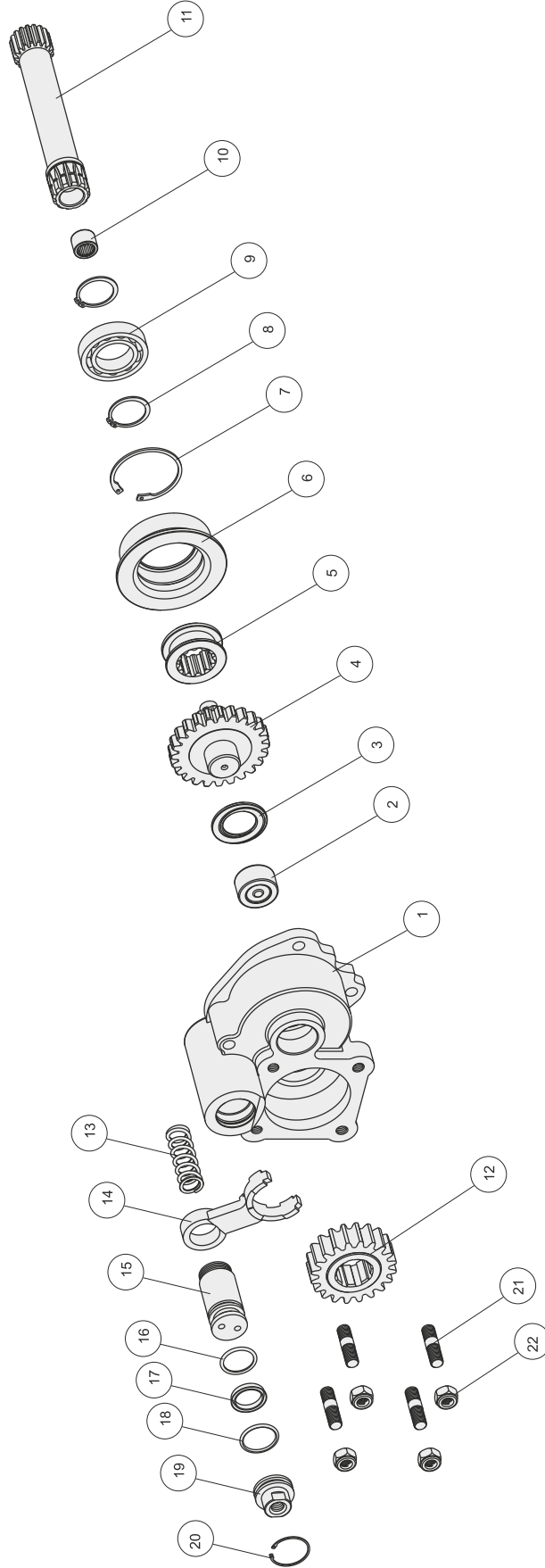
Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G3 / 32,36,40,45,50,55,60,61	315-352-362-383-609-710-712-809-812-813-814-817-913-1017-1113-114-1213-1216-1318-1618

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.



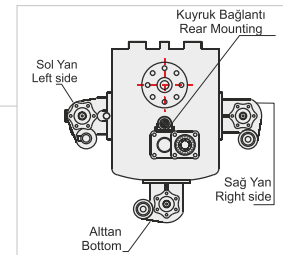
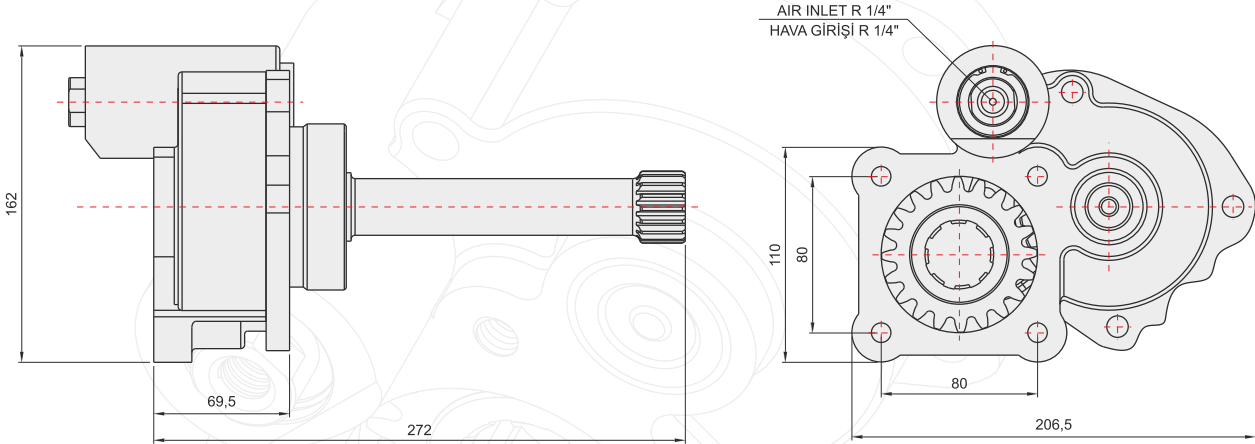
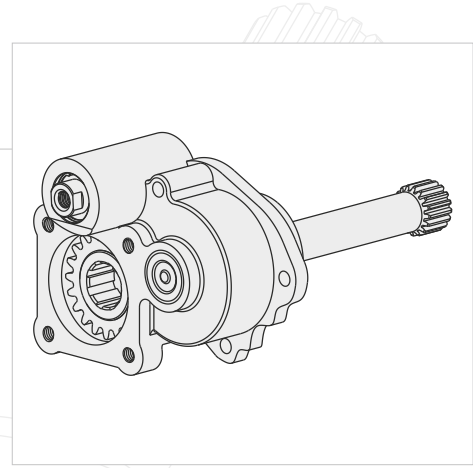
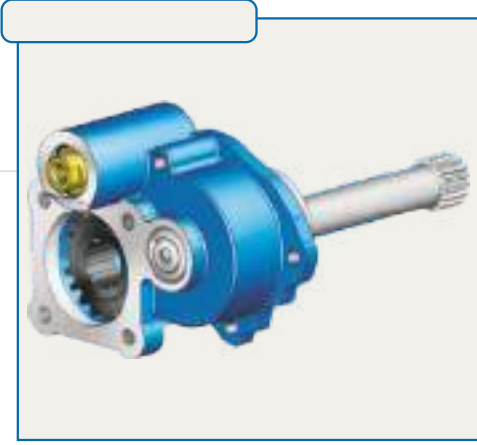
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MERCEDES G3/65-90 UNIMOG

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Bk 3020 Rulman
1	3	Bronz Pul
1	4	Grup Dişlisi
1	5	Senkromeç
1	6	Merkezleme Pulü
1	7	472-62 Segman
2	8	471-35 Segman
1	9	6007 Rulman
1	10	Hk 1616 Rulman
1	11	Kardan Mili

Adet	Parça No	Parça Adı
1	12	8x20 Dişli
1	13	Yay
1	14	Hilal
1	15	Pnömatik Piston
1	16	3x27 O-ring
1	17	33x25x5.5 Nutring
1	18	29,75x3,53 O-ring
1	19	Pnömatik Kapak
1	20	472-36 Segman
4	21	M12x45 Saplama
4	22	M12 Somun
29	TOPLAM PARÇA SAYISI	


**GENEL BİLGİLER/GENERAL DATA**

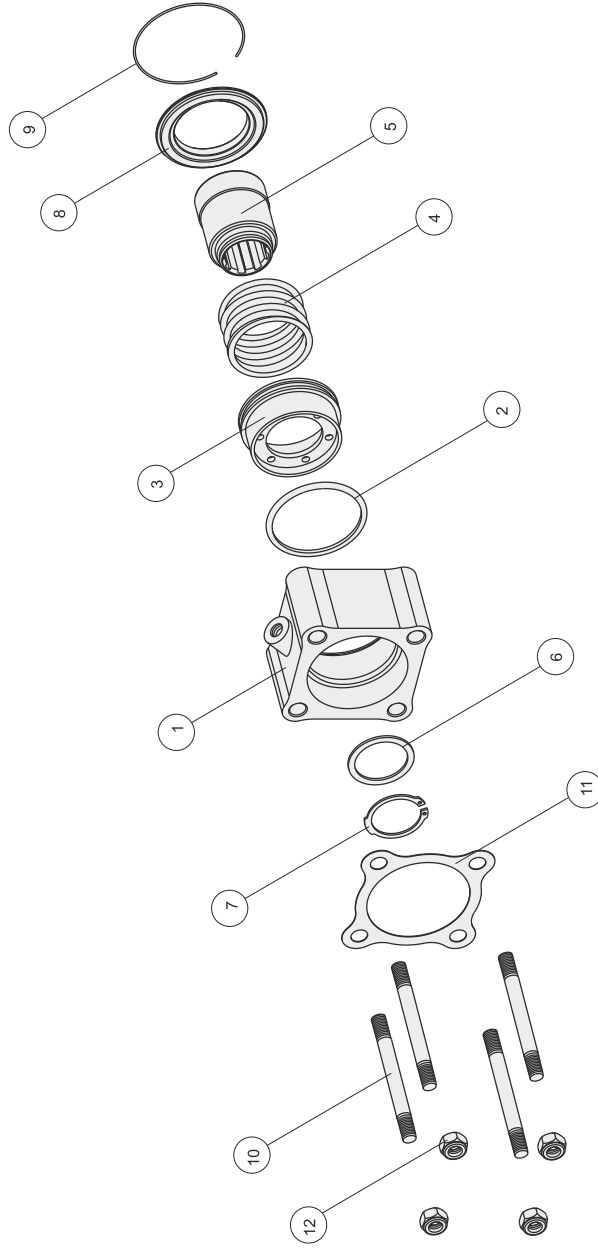
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,1 Kgm	256 Nm
Güç(1000 rpm) / Power	33,37 Hp	24,9 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	10 kg	22 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
G3 / 65-90	1217-1219-1413-1419-1422-1613-1619-1922K-2024-2067-MERCEDES-BENZ/ UNIMOG BENZ

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



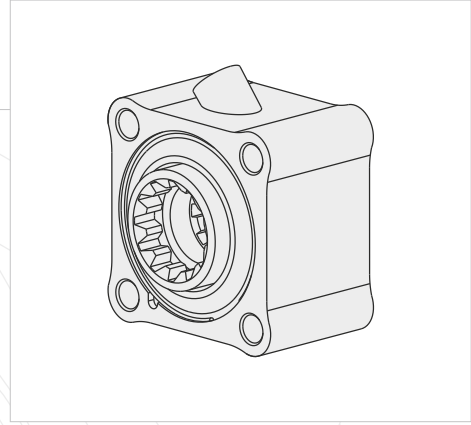
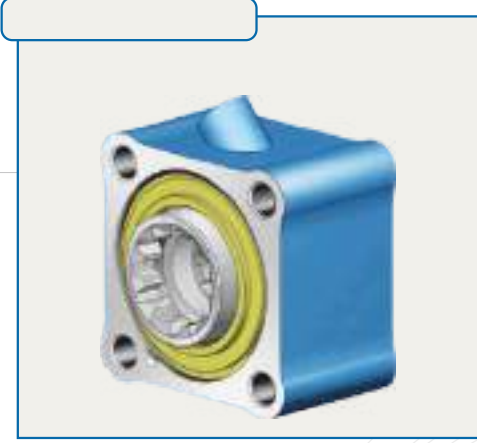
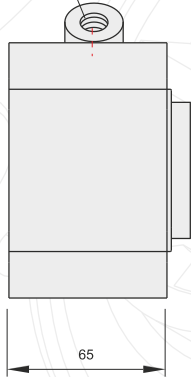
ZF-1 HÇ

Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	69,22x5,33 X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	Zf Kavrama-45
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	Zf1 Ortalayıcı pul
1	9	1,70 Tel Segman
4	10	M12x120 Saplama
1	11	Zf1 Conta
8	12	M12 Somun
18	TOPLAM PARÇA SAYISI	

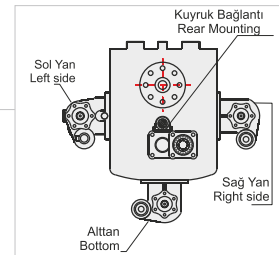
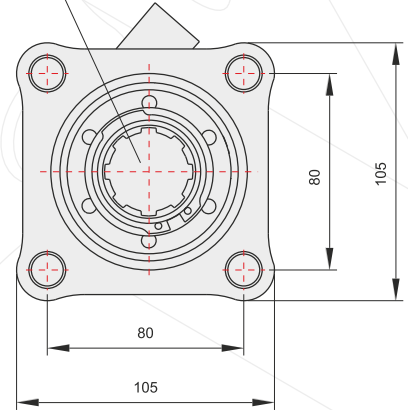
ZF-1 / HY

POWER TAKE OFF

P.T.O.


 AIR INLET R 1/4"  
 HAVA GİRİŞİ R 1/4"


DIN 5462 8x32x35


**GENEL BİLGİLER/GENERAL DATA**

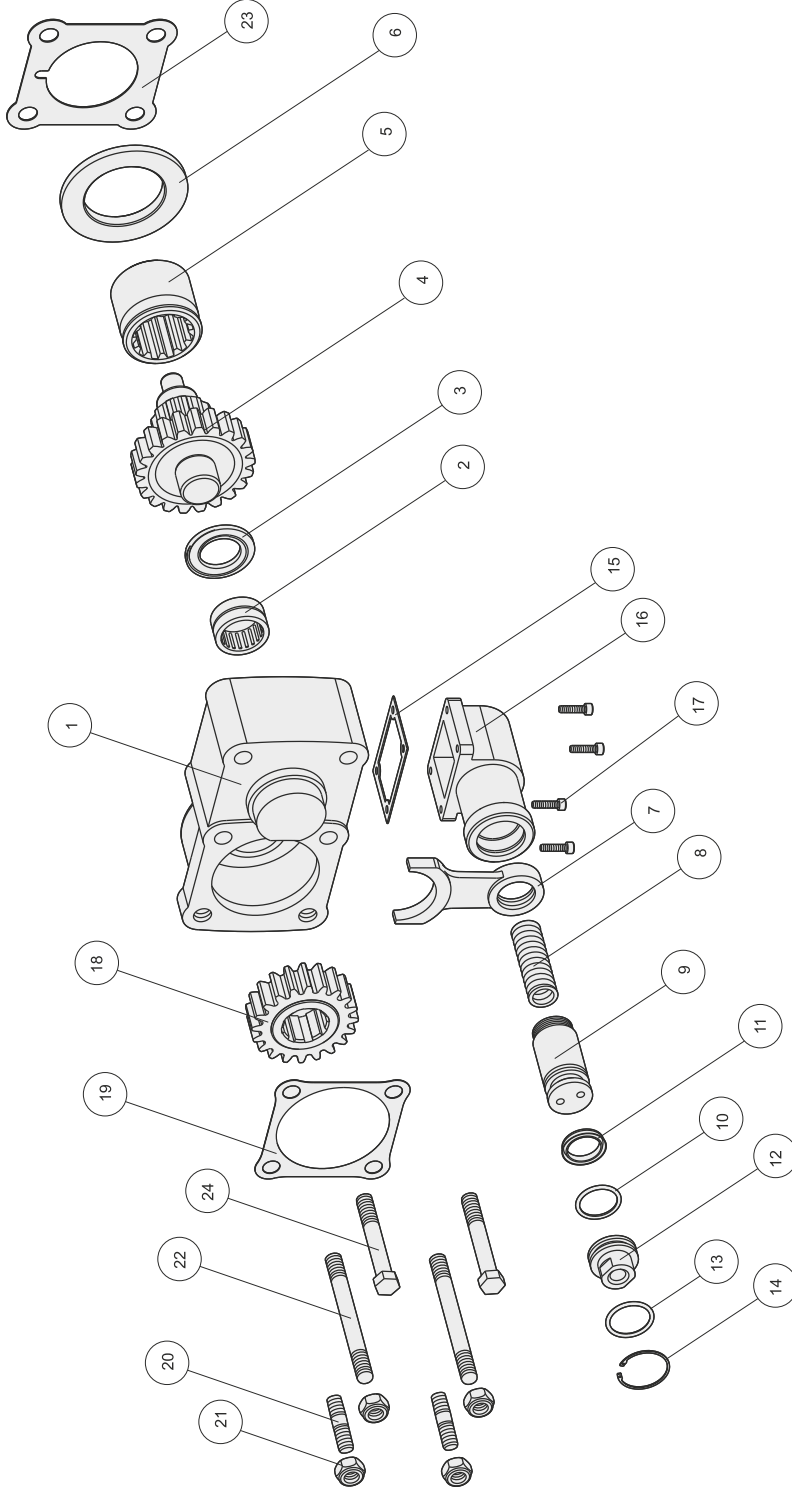
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	48,9 Kgm	479,5 Nm
Güç(1000 rpm) / Power	34,5 Hp	25,7 Kw
Devir / Speed	513 rpm	513 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	7 kg	15,4 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
ZF16S251-221-151-150-130- ZF S5/AK/65-120-111-110-92- GP ZF S5/AK/6S-90-80-70-66- 65-55-50-42-36-35-ZF-ECOMIT 9S75-9S109-16S109 ZF NEW ECOSPLIT 16S1620TD- 16S1820TO-18S1820TO- 16S2220TD-16S220TO- 16S2520TO- 16S2023TDL	MAN / MERCEDES / BMC PROFESYONEL / FORD CARGO / CHRYSLER HINO / DODGE / FARGO / IVECO /DAF/ DAEWOO / RENAULT

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

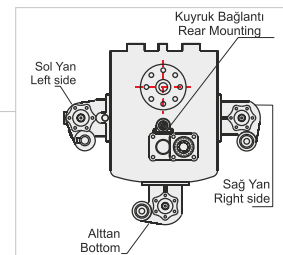
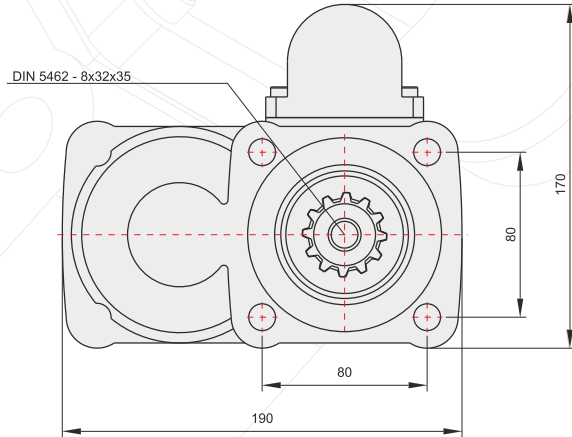
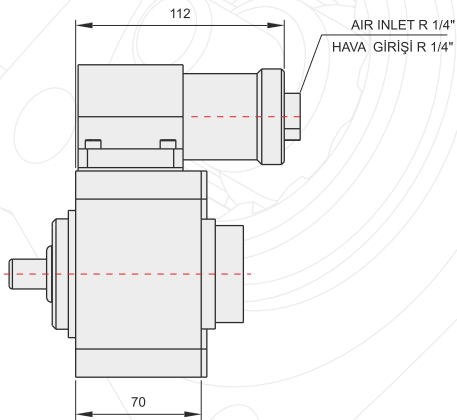
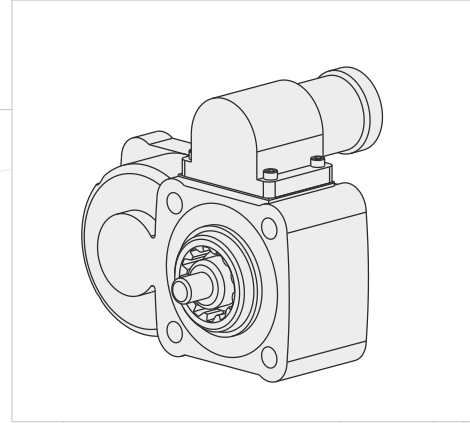
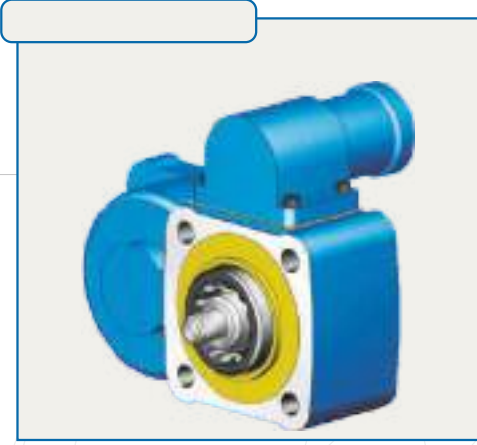
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ZF-2 ISO

Adet	Parça No	Parça Adı
1	1	Zf2 Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Prömatik Piston Piston Yayı
1	9	Prömatik Piston
1	10	3x27 O-Ring
1	11	33x25x5,5 Nutring
1	12	Prömatik Kapak

Adet	Parça No	Parça Adı
1	13	29,75x3,53 O-Ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplam
1	23	Conta
2	24	M12x90 Cıvata
33		TOPLAM PARÇA SAYISI



**GENEL BİLGİLER/GENERAL DATA**

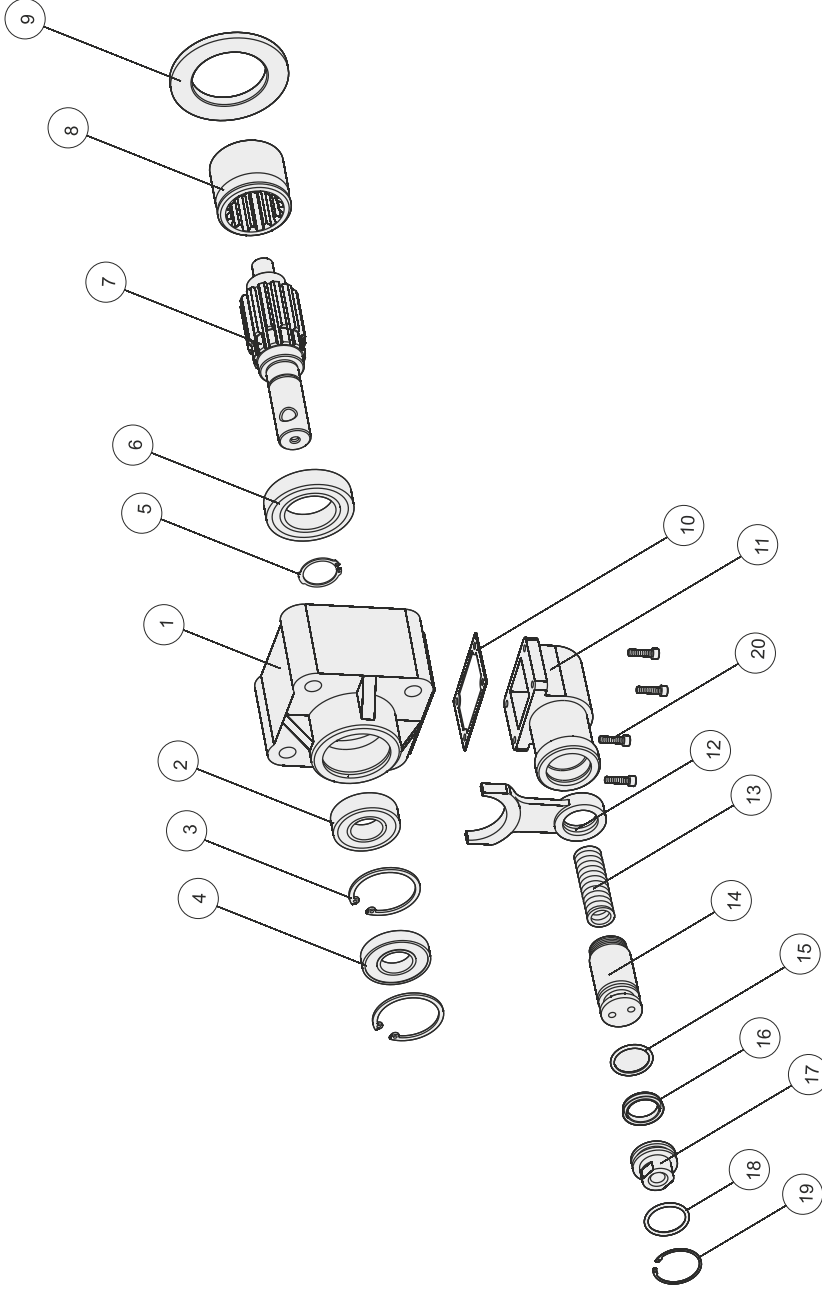
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,5 Kgm	260 Nm
Güç(1000 rpm) / Power	24,5 Hp	18,3 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	11 kg	24,4 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
ZF16S251-221-151-150-130- ZF S5/AK/65-120-111-110-92- GP ZF S5/AK/6S-90-80-70-66- 65-55-50-42-36-35-ZF-ECOMIT 9S75-9S109-16S109 ZF NEW ECOSPLIT 16S1620TD- 16S1820TO-18S1820TO- 16S2220TD-16S220TO- 16S2520TO- 16S2023TDL	MAN / MERCEDES / BMC PROFESYONEL / FORD CARGO / CHRYSLER HINO / DODGE / FARGO / IVECO /DAF/ DAEWOO / RENAULT

Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

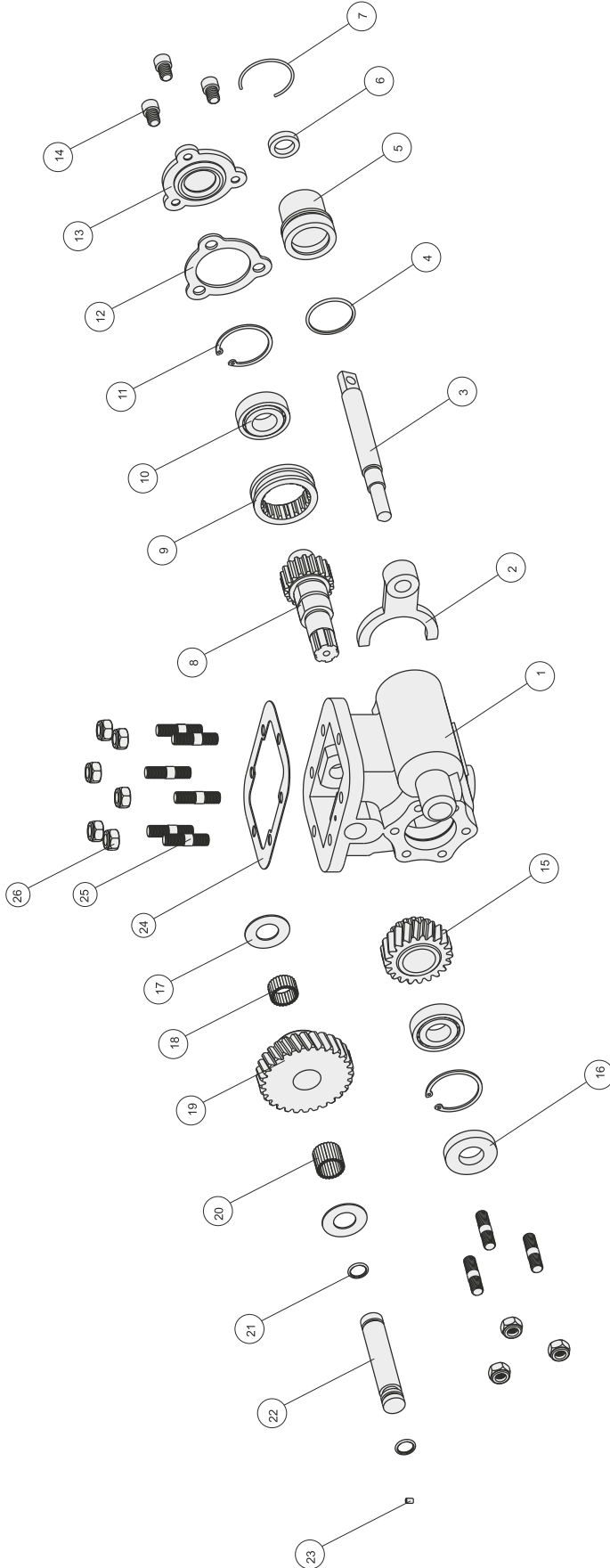


ZF MİLÇIKIŞI / ZF SHAFT OUTLET

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	6205 Rulman
2	3	472-52 Segman
1	4	25x52x10 Keçe
1	5	471-25 Segman
1	6	6008 Rulman
1	7	Pim Delikli Mil
1	8	Kavrama Dişlisi
1	9	Zf Ortalayıcı Pul
1	10	Pnömatik Kovan Contası

Adet	Parça No	Parça Adı
1	11	Pnömatik Kovan
1	12	Hilal
1	13	Pnömatik Yay
1	14	Pnömatik Piston
1	15	3x27 O-ring
1	16	33x25x5,5 Nutring
1	17	Pnömatik Kapak
1	18	29,75x3,53 O-ring
1	19	472-36 Segman
4	20	M5x20 Cıvata
24		TOPLAM PARÇA SAYISI

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

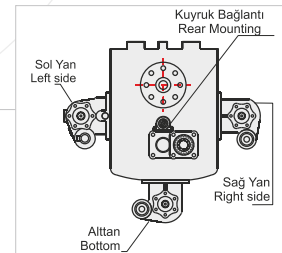
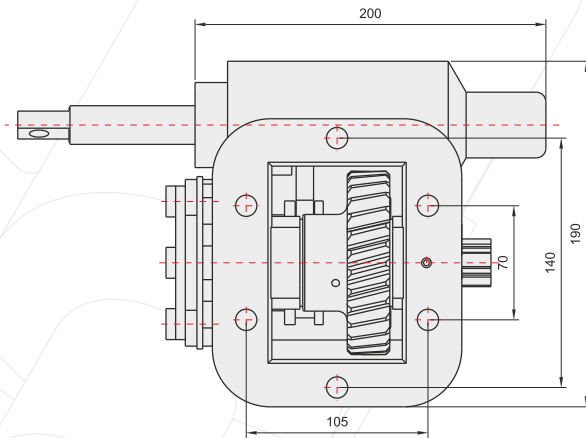
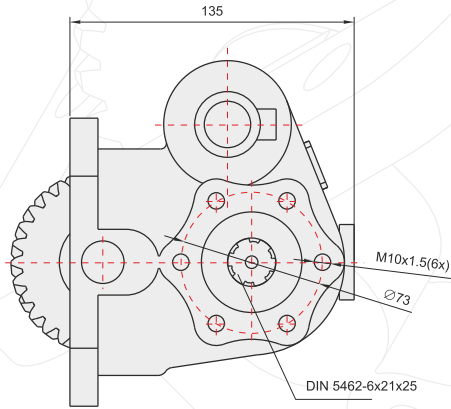
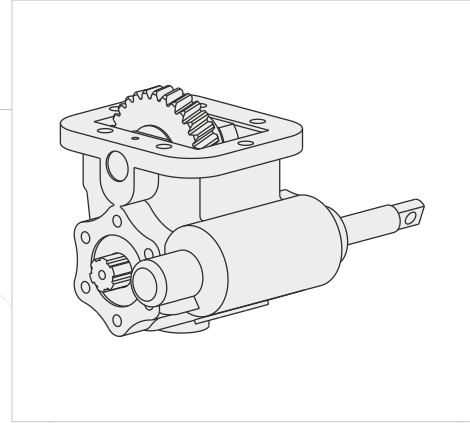
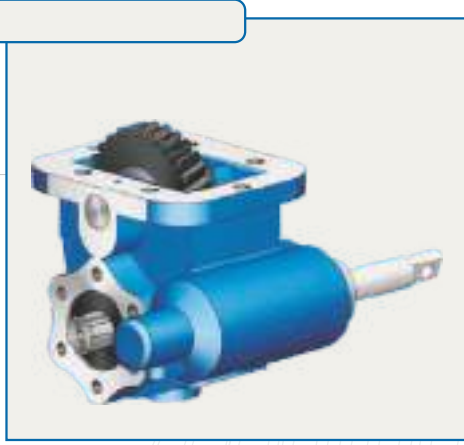


ZF MB 800

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	3.53x42.86 O-ring
1	5	Mekanik Kovan
1	6	20x30x7 Keçe
1	7	Tel Segman
1	8	6x18 Alt Mil
1	9	Senkromeç
2	10	30205 Rulman
2	11	472-52 Segman
1	12	Conta
1	13	Pto Yan Kapak
3	14	M10x16 Cıvata
1	15	Alt Dişli
1	16	25x52x10 Keçe
2	17	22.5x44.5x1.5 Pul
26	18	3x15.5 Masura Bilya
1	19	Üst Dişli
26	20	3x.23.5 Masura Bilya
2	21	O-ring
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
98		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
1	15	Alt Dişli
1	16	25x52x10 Keçe
2	17	22.5x44.5x1.5 Pul
26	18	3x15.5 Masura Bilya
1	19	Üst Dişli
26	20	3x.23.5 Masura Bilya
2	21	O-ring
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
98		TOPLAM PARÇA SAYISI




**GENEL BİLGİLER/GENERAL DATA**

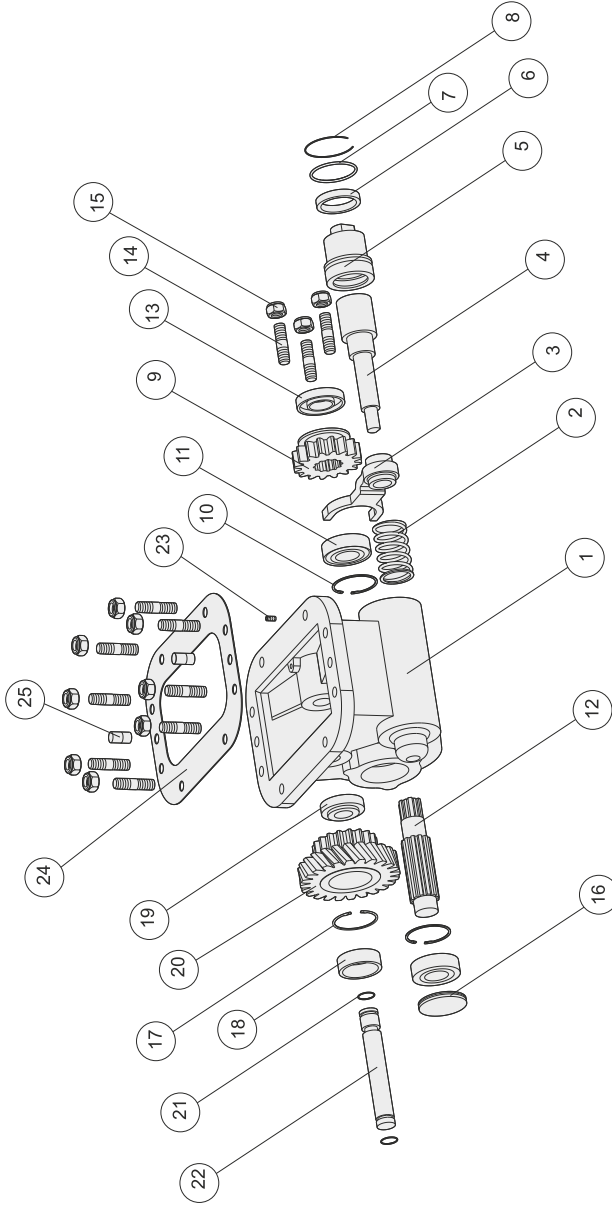
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21 Kgm	206,01 Nm
Güç(1000 rpm) / Power	26,8 Hp	20Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/0,8	1/0,8
Ağırlık / Weight	13 kg	28,65 lb
Bağlantı / Mounting	Sağ yan	Right side
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
ZF ECOLITE S5-42(5,72)	8,150-8,153-10,153-10,163-10,185 MAN / MB 800-1215-1517-ATEGO MERCEDES BENZ / 45LF-170 DAF 45,120-45,130-45,150-45,160-50,130 LEYLAND DAF / RENAULT S120,07-S120,08-135-370 MIDLUM 302-304-306-313-317 LEYLAND / 45LF,150-45LF,170/MERCEDES VARIO-LEICHT 614-712-715-812-814-815

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

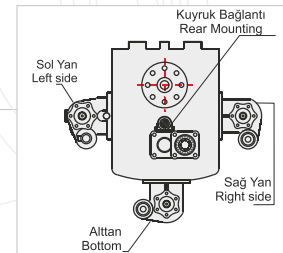
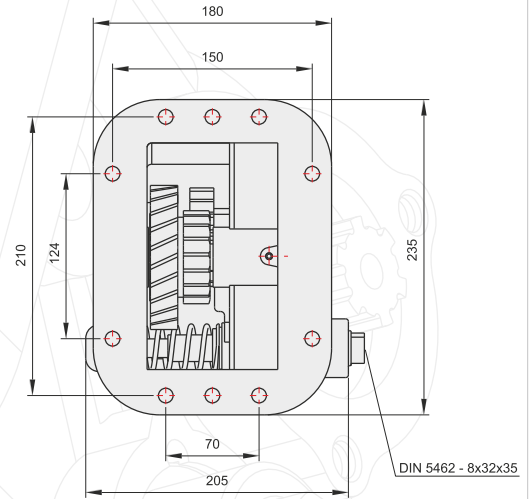
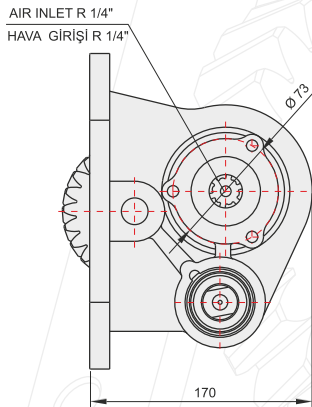
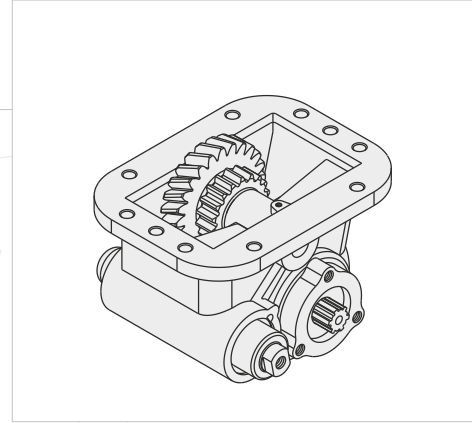
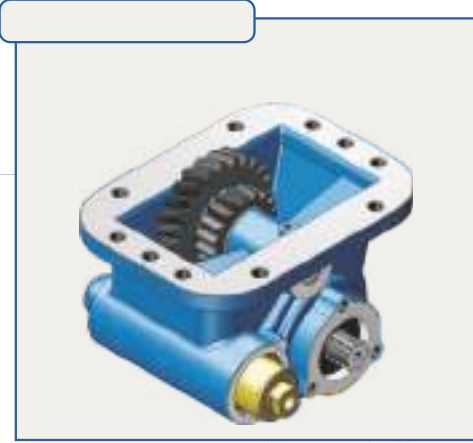
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



SCANIA GR 900

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Pnömatik Yay
1	3	Hilal
1	4	Pnömatik Mil
1	5	Pnömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,89 O-ring
1	8	Tel Segman
1	9	Alt Dişli
2	10	472-52 Segman
2	11	6205 Rulman
1	12	6x12 Alt Mil
1	13	25x52x10 Keçe

Adet	Parça No	Parça Adı
11	14	M10x45 Saplama
11	15	M10 Somun
1	16	4Tp-017,52x7 Kapak
1	17	472-47 Segman
1	18	39x46,9x15,5 Pul
1	19	30204 Rulman
1	20	Gr900 Üst Dişli
2	21	2,35x20 O-ring
1	22	20-Üst Mil
1	23	M6x16 Setskur
1	24	Conta
2	25	Konik Pim
49		



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	45,3 Hp	33,8 Kw
Devir / Speed	1065 rpm	1065 rpm
Oran / Ratio	1/0,78	1/0,78
Ağırlık / Weight	15,1 kg	33,3 lb
Bağlantı / Mounting	Sağ	Right
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
GR 900 / GRH 900	94 C 310-124 C 360-R 124 G 360-143 H 450 CV-143 M 400 CV-260H-143H P 113M-P114-GA 380-114P-124R-113P-114R-113H 360

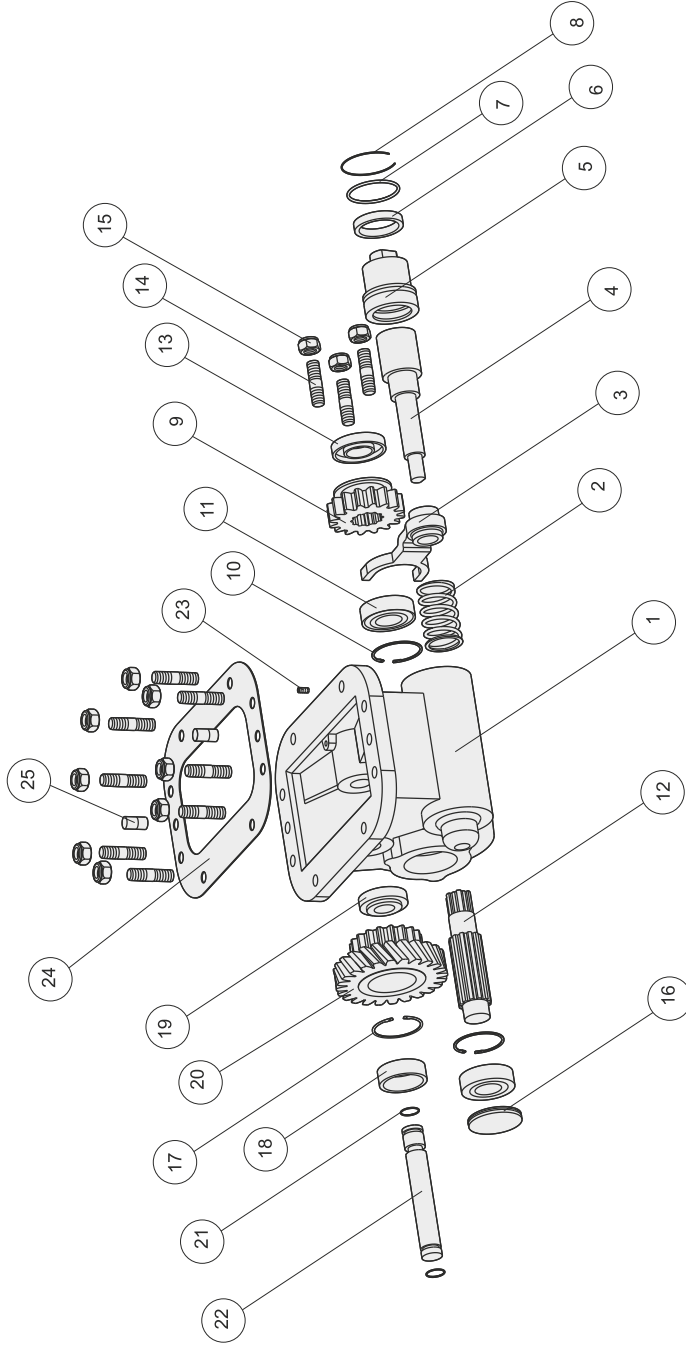
Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

POWER TAKE OFF

P.T.O.

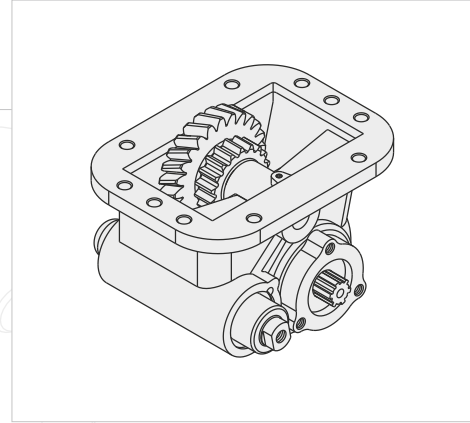
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



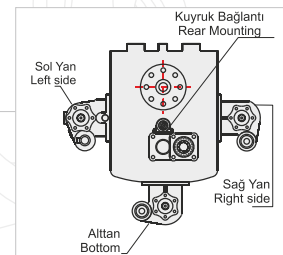
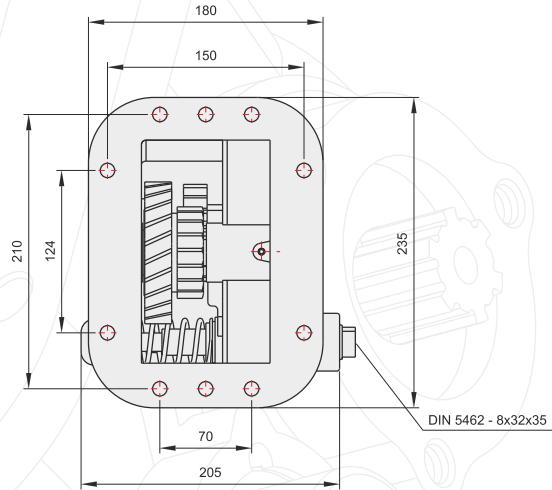
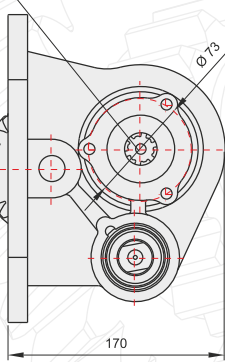
SCANIA GRS 900

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Pnömatik Yay
1	3	Hilal
1	4	Pnömatik Mil
1	5	Pnömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tej Segman
1	9	Ait Dişli
2	10	472-52 Segman
2	11	6205 Rulman
1	12	6x12 Ait Mil
1	13	25x52x10 Keçe

Adet	Parça No	Parça Adı
11	14	M10x45 Saplama
11	15	M10 Somun
1	16	4Tp-017 52x7 Kapak
1	17	472-47 Segman
1	18	39x46,9x15,5 Pul
1	19	30204 Rulman
1	20	Grs900 Üst Dişli
2	21	2,35x20 O-ring
1	22	20-Üst Mil
1	23	M6x16 Setskur
1	24	Conta
2	25	Konik Pim
49		



AIR INLET R 1/4"  
HAVA GİRİŞİ R 1/4"



### GENEL BİLGİLER/GENERAL DATA

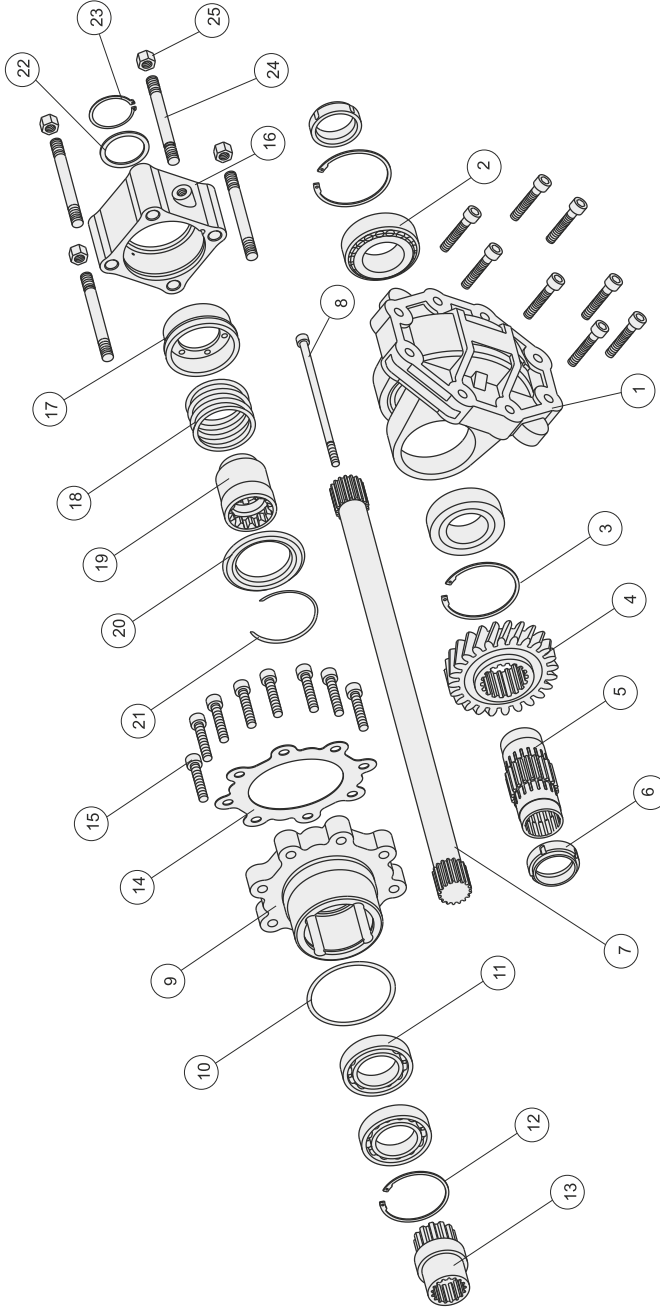
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	45,3 Hp	33,8 Kw
Devir / Speed	1065 rpm	1065 rpm
Oran / Ratio	1/0,78	1/0,78
Ağırlık / Weight	15,1 kg	33,3 lb
Bağlantı / Mounting	Sağ	Right
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
GRS 900 / GRS 890 / GRS 920	124 G 420-113-124 L 400-144 L 530-124 LA 420-144 LA 460 144 LA 530-R124 LA 420 R 124 GA 420-143H-143M-143.400-143.450 143.500-R580-R124GA/CB-R164 GA SCANIA

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

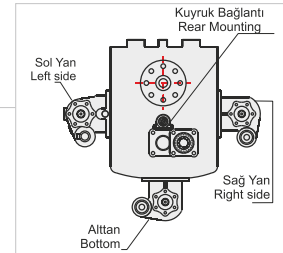
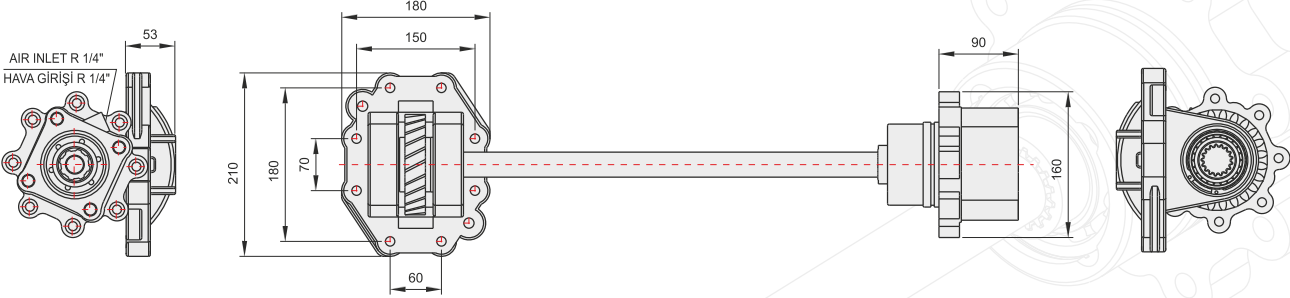
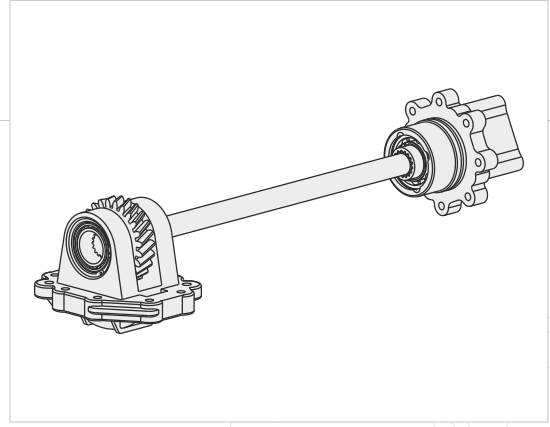
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



SCANIA GAS 905

Adet	Parça No	Parça Adı
1	1	Yan Gövde
2	2	33109 Rulman
2	3	472-80 Segman
1	4	Yan Dişli
1	5	Yan Kapak Boru Dişli
2	6	Boru Dişli Somunu
1	7	Kardan Milii
1	8	M8x180 Cıvata
1	9	Kuyruk Gövde
1	10	2.96x94 O-ring
2	11	6009 Rulman
1	12	472-75 Segman
1	13	Kuyruk Gövde Dişlisi

Adet	Parça No	Parça Adı
11	14	Conta
16	15	M10x50 Cıvata
1	16	Zf1 Gövde
1	17	Piston
1	18	Yay
1	19	Zf1 Kavrama-45
1	20	Zf1 Ortalayıcı Pul
1	21	Tel Segman
1	22	42x52x2 Pul
1	23	471-42 Segman
4	24	M12x120 Saplama
4	25	M12 Somun
50		



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	44,8 Kgm	436 Nm
Güç(1000 rpm) / Power	56,8Hp	42,4Kw
Devir / Speed	1250 rpm	1250 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	23,5 kg	51,8 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
GR 875 / GR 905 / GRS 895 / GRSO 906 / GRS 906	

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

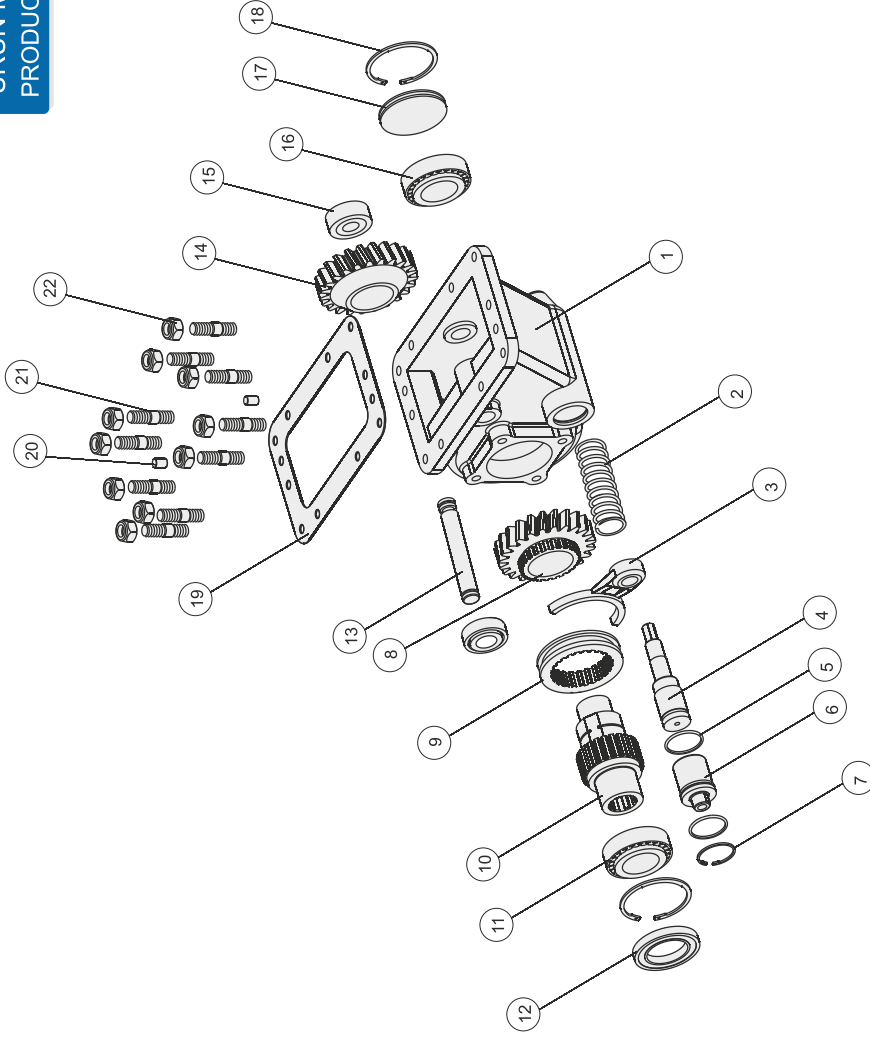
POWER TAKE OFF

P.T.O.

POWER TAKE OFF

P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

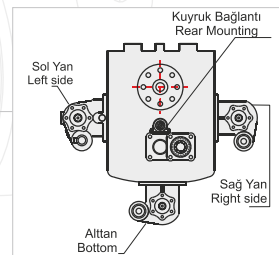
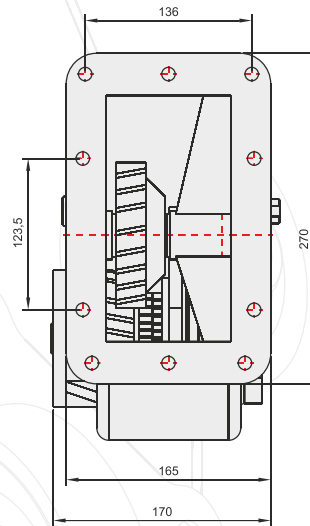
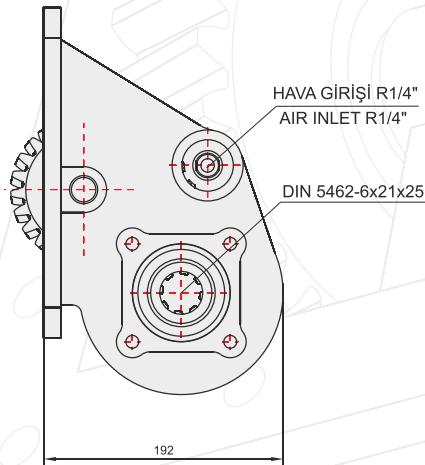
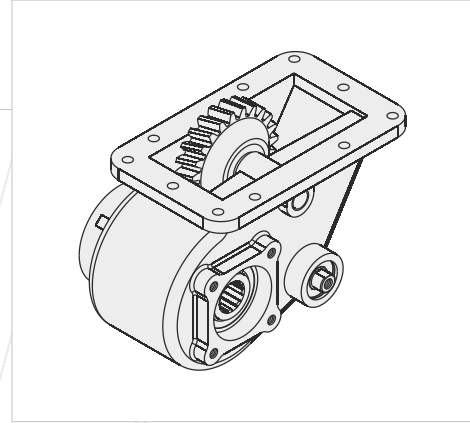


SCANIA GR 871

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Pnömatik Yay
1	3	Hilal
1	4	Pnömatik Mil
2	5	O-ring
1	6	Pnömatik Kovan
1	7	472-45 Segman
1	8	Alt Dişli
1	9	Senkromeç
1	10	Alt Mil
1	11	32010 Rulman

Adet	Parça No	Parça Adı
1	12	50x80x8 Keçe
1	13	20-Üst Mil
1	14	Gr871 Üst Dişli
2	15	30304 Rulman
1	16	32208 Rulman
1	17	Pto Yan Kapak
2	18	472-80 Segman
1	19	Conta
2	20	Merkezleme Pimi
10	21	M12x45 Saplama
10	22	M12 Somun
44		TOPLAM PARÇA SAYISI





### GENEL BİLGİLER/GENERAL DATA

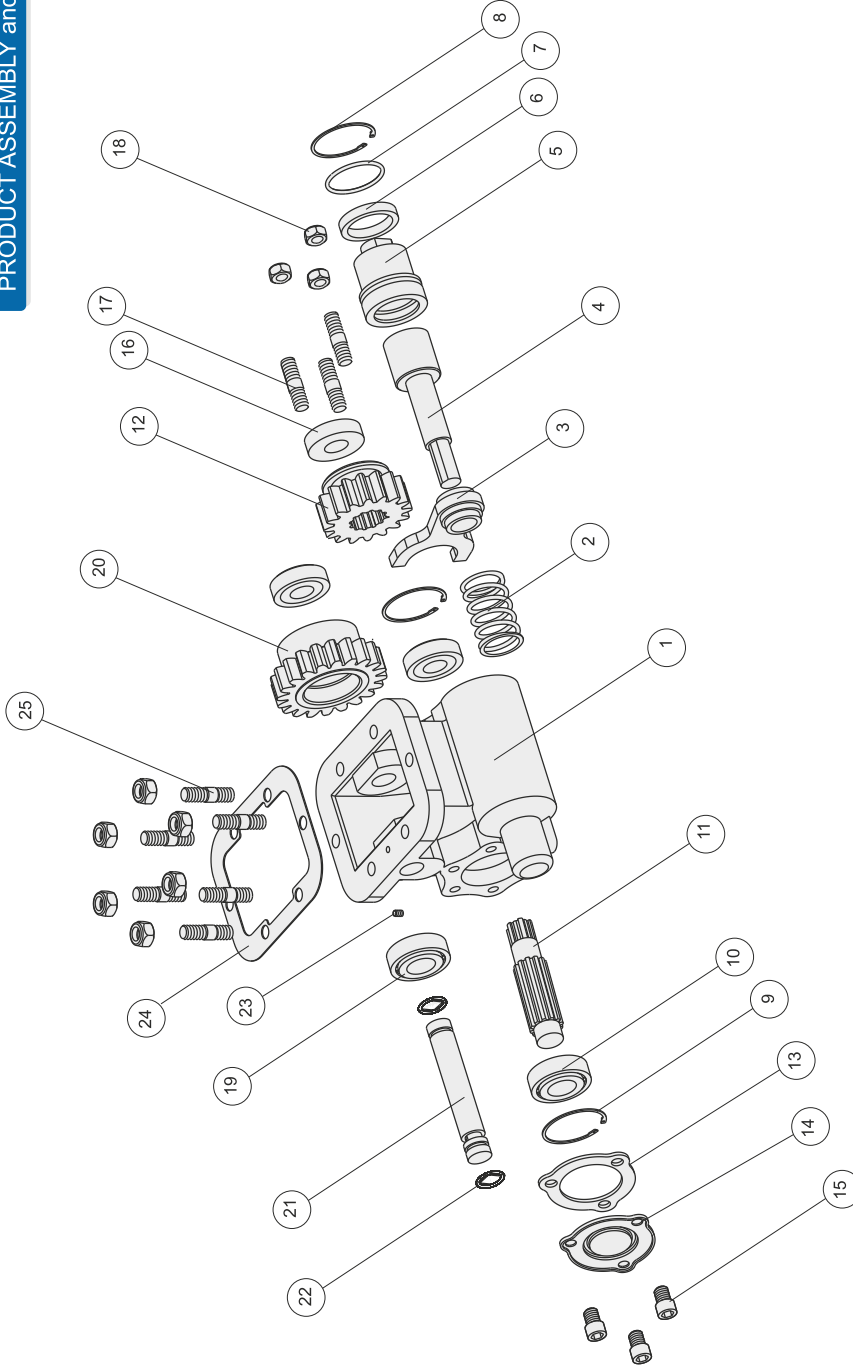
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	29 Kgm	284 Nm
Güç(1000 rpm) / Power	37,5 Hp	27,6 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/0,78	1/0,78
Ağırlık / Weight	22,5 kg	49,6 lb
Bağlantı / Mounting	Sağ yan	Right side
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right- ISO

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
GR 870-871 SCANIA	P92-93-111-112C-113R-114H-142M-144L 93H-280R-113M SCANIA

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

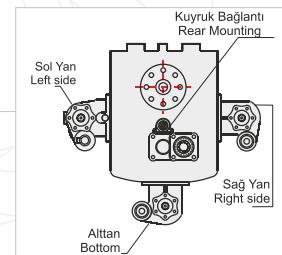
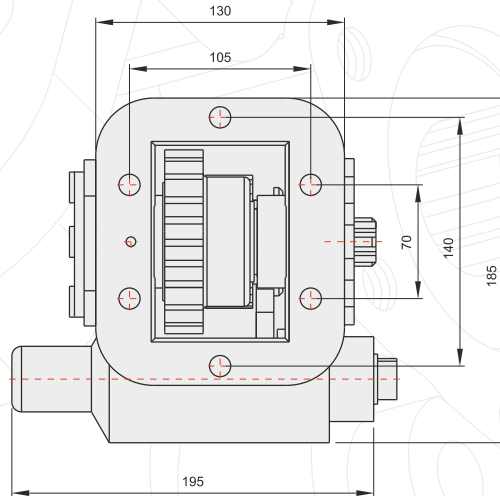
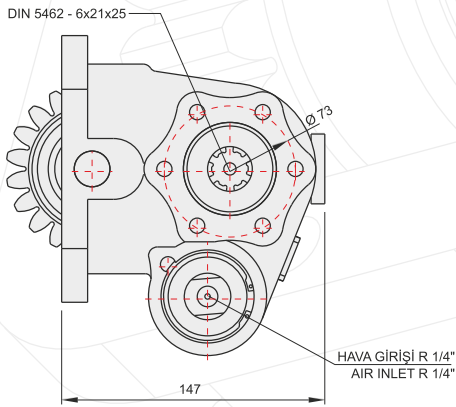
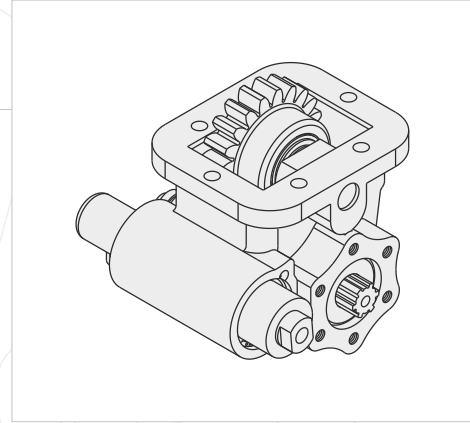
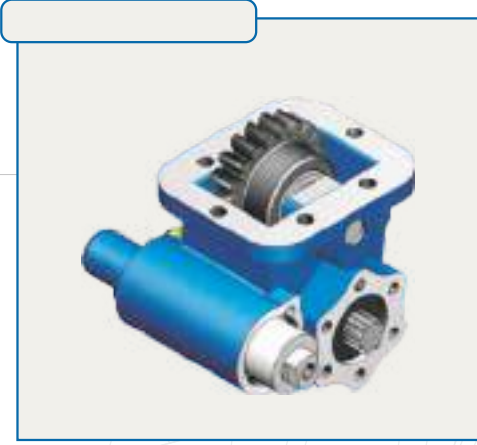
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON-HEMA 475

Adet	Parça No	Parça Adı
1	14	Pto Yan Kapak
3	15	M10x16 Cıvata
1	16	25x52x10 Keçe
3	17	M10x45 Saplama
9	18	M10 Somun
2	19	30204 Rulman
1	20	Üst Dişli
1	21	Üst Mil-20
2	22	2.35x20 O-ring
1	23	M6x10 Setskur
1	24	Conta
6	25	M10x3/8 Saplama
46		

Adet	Parça No	Parça Adı
1		Gövde
1		Yav
1		Hilal
1		Pnömatik Mil
1		Pnömatik Kovan
1		38x48,1x8 Nutring
1		3.53x42.86 O-ring
1		Tel Segman
2		472-52 Segman
2		6205 Rulman
1		6x12 Mil
1		Alt Dişli
1		Conta


**GENEL BİLGİLER/GENERAL DATA**

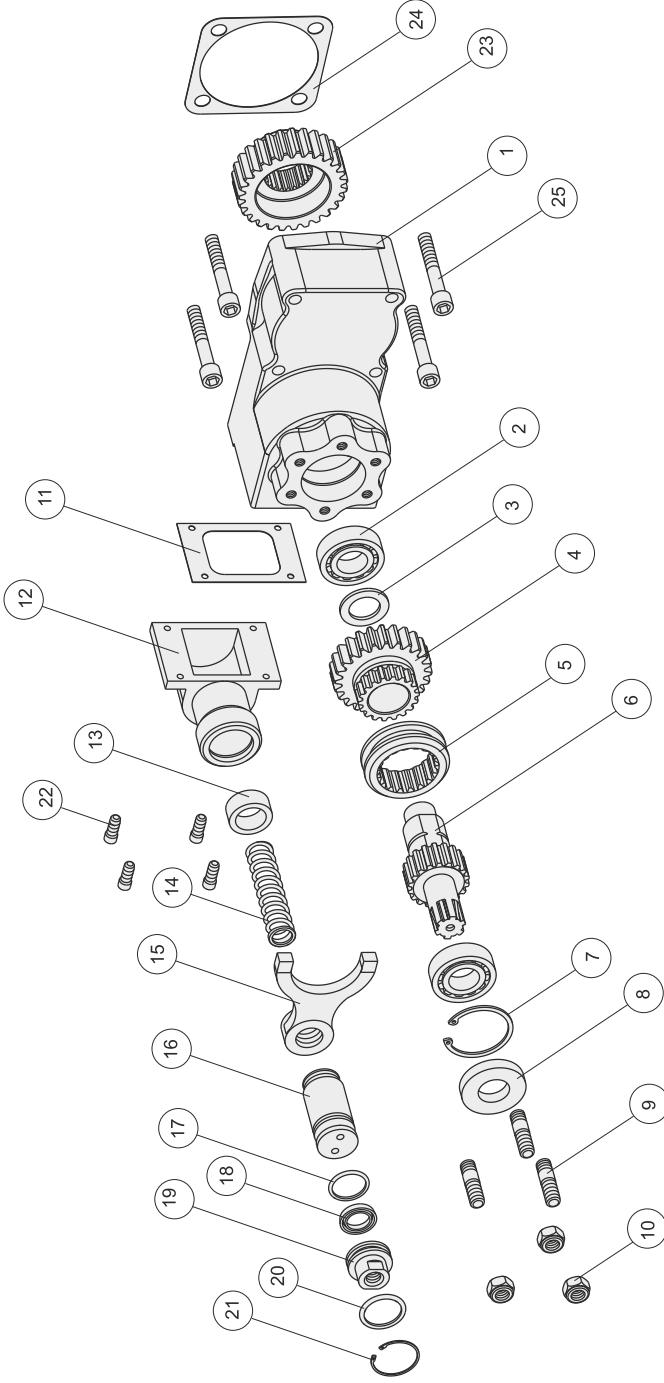
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23 Kgm	225 Nm
Güç(1000 rpm) / Power	15,8 Hp	11,8 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1,5	1/1,5
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON-HEMA 475 L SML-SMA-SMO-SME-CMA-CMO	105.8-110.08-145.22 FATİH / 2014-2114 FORD CARGO AS 600 DODGE / 1800 INTER / 1210- 1212-1312-FORD (83-86) 1812-1814- 2117-2517 FORD(86) 140-1340 BMC/ GENETO 570

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

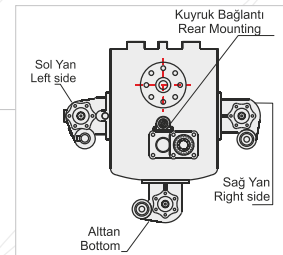
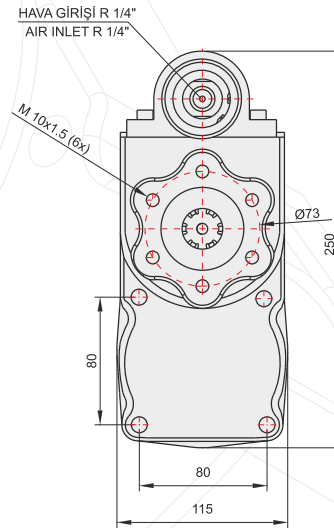
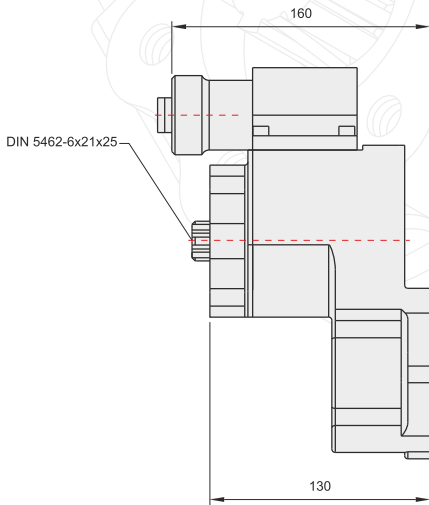
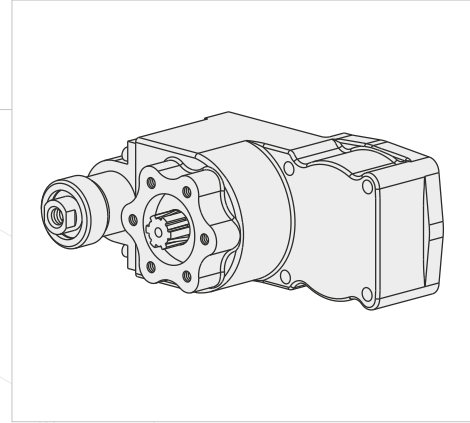
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON-HEMA 475

Adet	Parça No	Parça Adı
1	1	Gövde
2	2	Nj 205 Rulman
1	3	25.5x39.5x3 Pul
1	4	Küçük Dişli
1	5	Senkromec
1	6	6x18 Alt Mil
1	7	472-52 Segman
1	8	25x52x10 Keçe
3	9	M10x45 Saplama
3	10	M10 Somun
1	11	Pnömatik Kovan Contası
1	12	Pnömatik Kovan
1	13	25x35x15 Ortalama Pulu
1	14	Pnömatik Yay
1	15	Hilal
1	16	Pnömatik Piston
1	17	3x27 O-ring
1	18	33x25x5.5 Nutring
1	19	Pnömatik Kapak
1	20	29.75x3.53 O-ring
1	21	472-36 Segman
4	22	M5x20 Cıvata
1	23	23x27 Dişli
1	24	Conta
4	25	3/8 Cıvata



**GENEL BİLGİLER/GENERAL DATA**

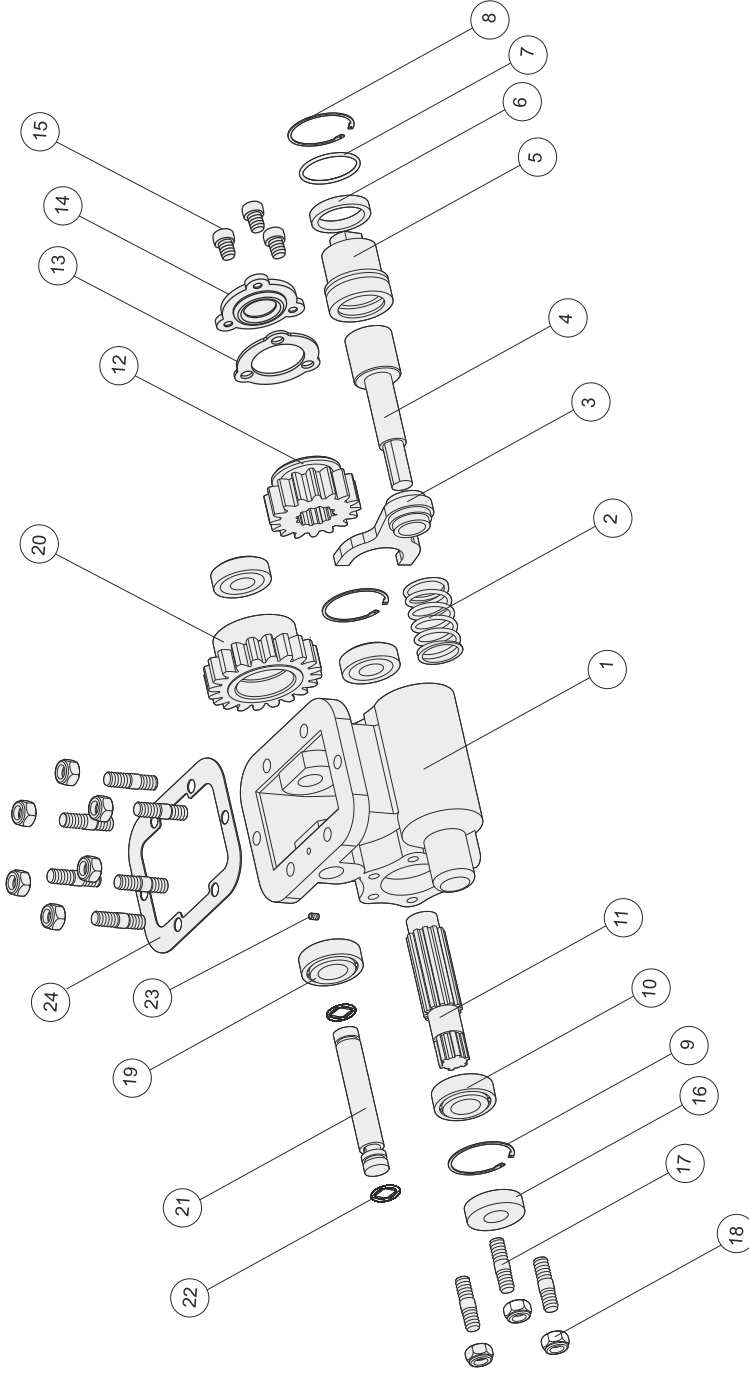
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21,5 Kgm	210,9 Nm
Güç(1000 rpm) / Power	19,2Hp	14 Kw
Devir / Speed	650 rpm	650 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	12 kg	26,5 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON-HEMA 475 R SML-SMA-SMO-SME-CMA-CMO	105.08-110.08-145,22 FATİH / 2014-2114 FORD CARGO
	1800 INTER / 1212-1312 FORD(83-86)
	1812-1814-2014-2117-2517 FORD (86) 140-1340 BMC / ZIL (RUS)

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

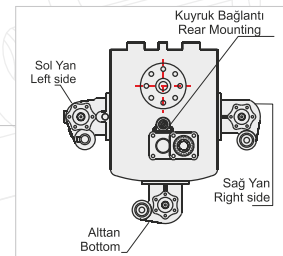
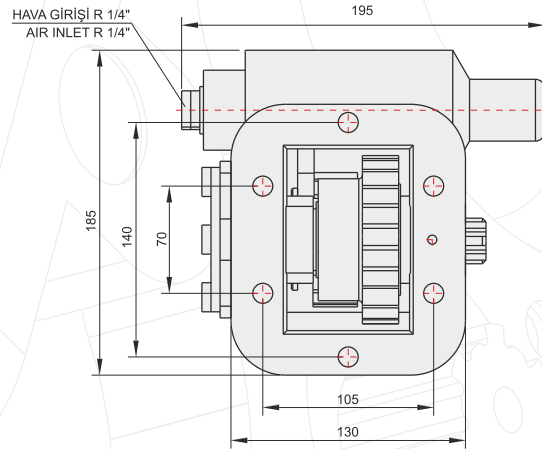
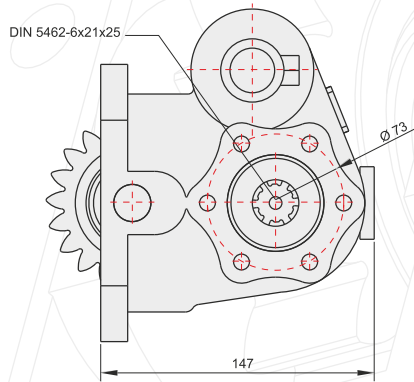
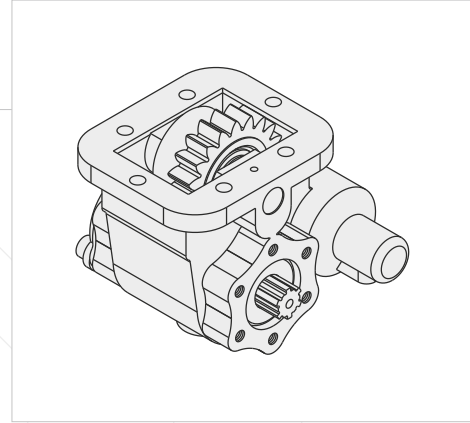
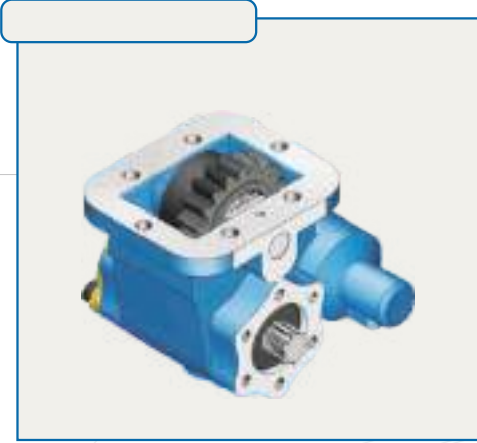
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON-HEMA 570

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Pnömatik Mil
1	5	Pnömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tel Segman
2	9	472-52 Segman
2	10	6205 Rulman
1	11	6x12 Mil
1	12	Alt Dişli
1	13	Conta

Adet	Parça No	Parça Adı
1	14	Pto Yan Kapak
3	15	M10x16 Cıvata
1	16	25x52x10 Keçe
3	17	M10x45 Saplama
9	18	M10 Somun
2	19	30204 Rulman
1	20	Üst Dişli
1	21	Üst Mil-20
2	22	2,35x20 O-ring
1	23	M6x10 Setskur
1	24	Conta
6	25	M10x3/8 Saplama
46		TOPLAM PARÇA SAYISI



POWER TAKE OFF

P.T.O.

**GENEL BİLGİLER/GENERAL DATA**

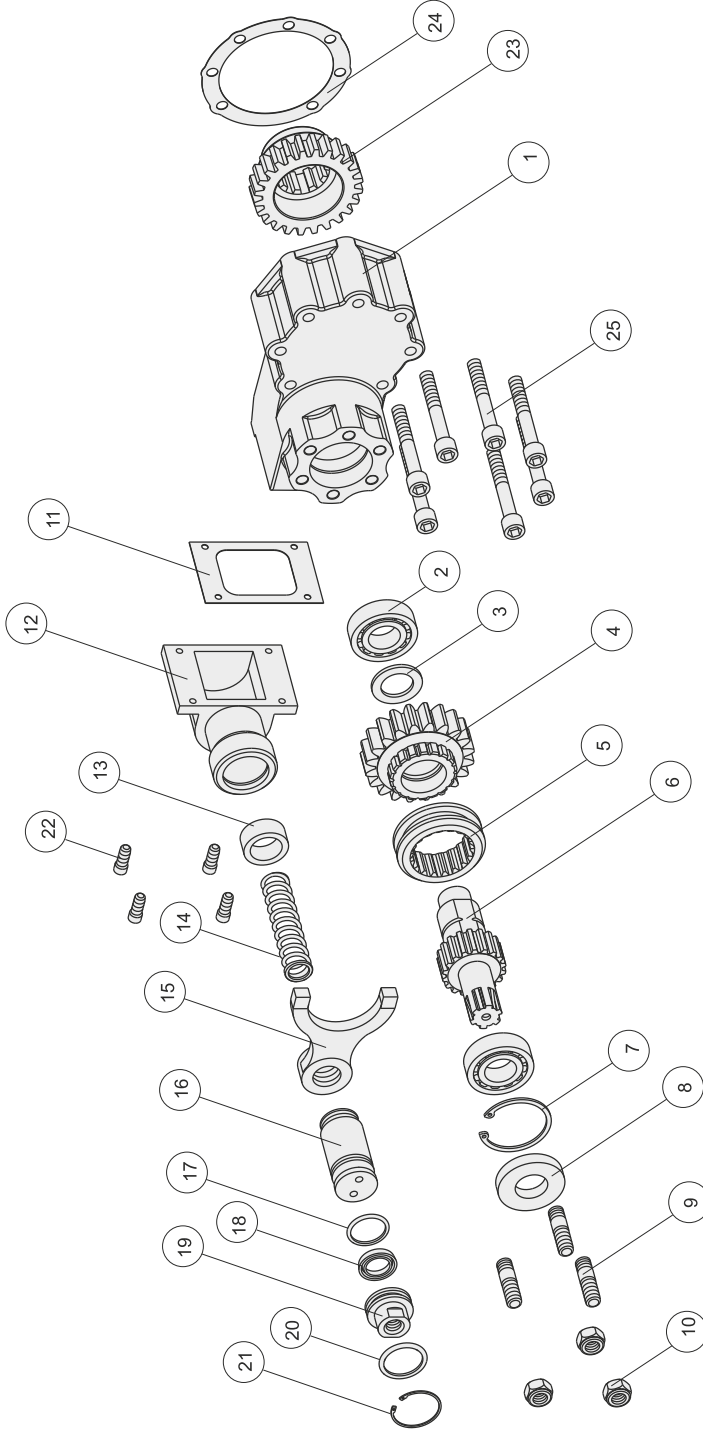
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	17,2Hp	12,8 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1,25	1/1,25
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON-HEMA 570-542-640 L SMA-SMS-SMR-SMH-SMJ-CMA-CMR	162.22-162.25-170.25 FATİH / 2114-2116-2517-FORD CARGO BEDFORD GETENO / 1830 INTER

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



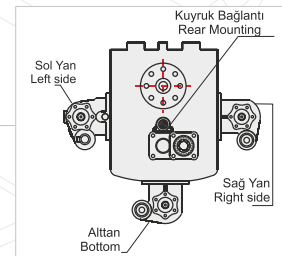
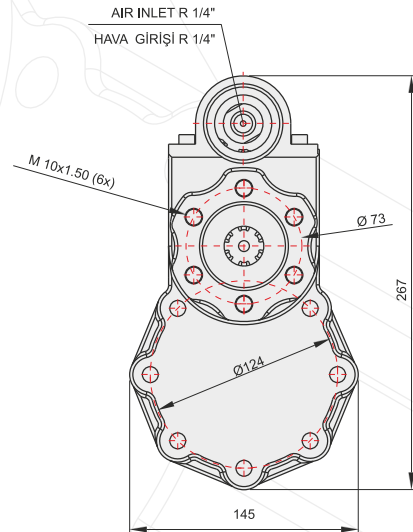
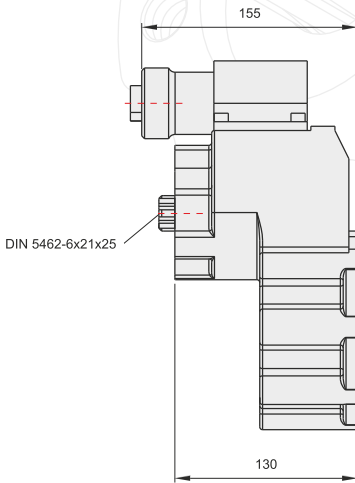
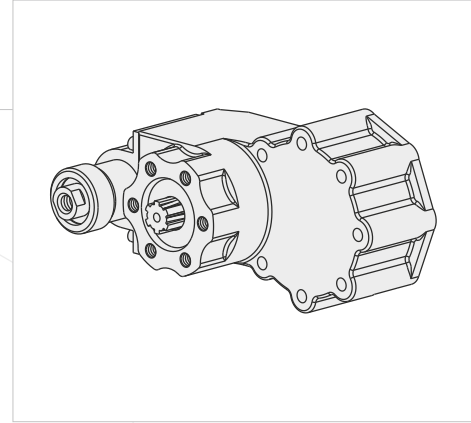
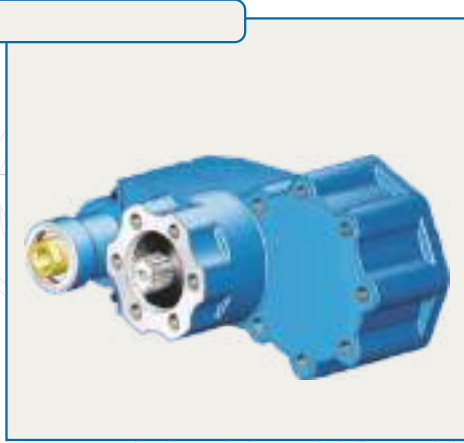
EATON-HEMA 570

Adet	Parça No	Parça Adı
1	14	Prömatik Yay
1	15	Hilal
1	16	Prömatik Piston
1	17	3x27 O-ring
1	18	33-25-5,5 Nutring
1	19	Prömatik Kapak
1	20	29,75x3,53 O-ring
4	22	M5x20 Cıvata
1	23	10x24 Dişli
1	24	Conta
7	25	3/8" Cıvata
39		

Adet	Parça No	Parça Adı
1	1	Gövde
2	2	Ni 205 Rulman
1	3	15,5x39,5x3 Pul
1	4	Küçük Dişli
1	5	Senkromeç
1	6	6x18 Alt Mil
1	7	472-52 Segman
1	8	25x52x10 Keçe
3	9	M10x45 Saplama
3	10	M10 Somun
1	11	Prömatik Kovan Contası
1	12	Prömatik Kovan
1	13	25x35x17 Ortalama Pulu




**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	22,4Hp	16,7 Kw
Devir / Speed	650 rpm	650 rpm
Oran / Ratio	1/1,25	1/1,25
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

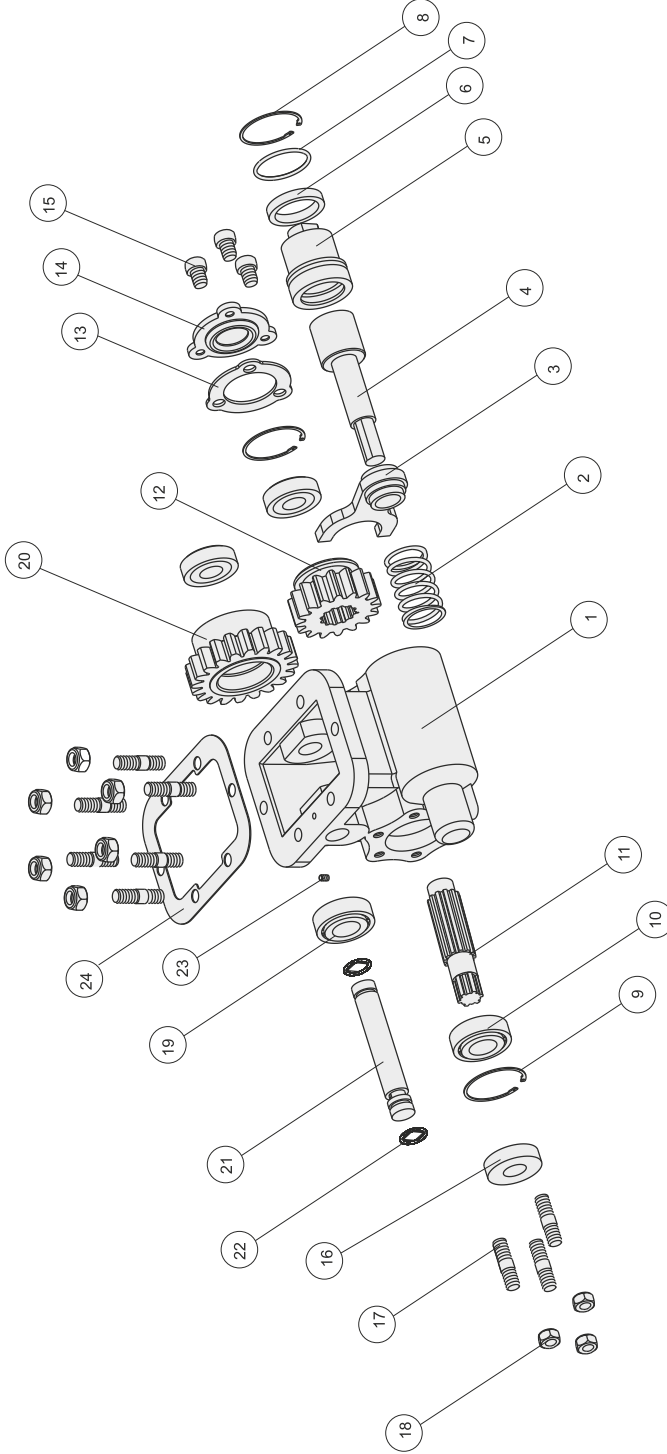
Ana Şanzıman / Gearbox		
EATON-HEMA 570-542-640 R SMA-SMS-SMR-SMH-SMJ-CMA-CMR		

Kullanılan Bazı Araçlar / Used Vehicles		
162.22-162.25-170.25 FATİH / 2114-2116-2517-FORD CARGO (86-96)		
180 FATİH BMC BEDFORD GETENO / 1830 INTER / 1850 YAVUZ		

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

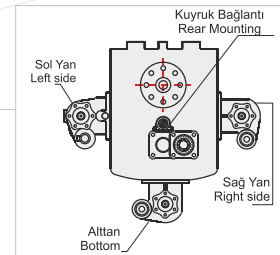
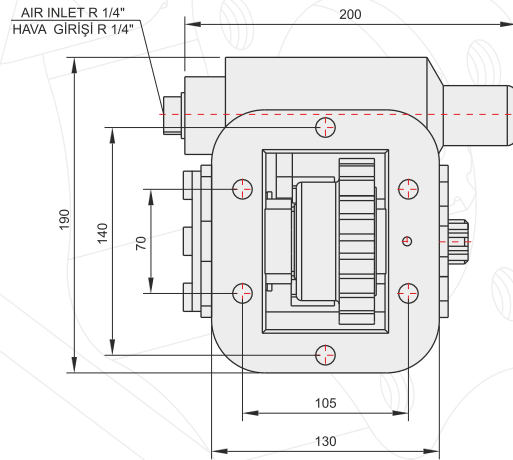
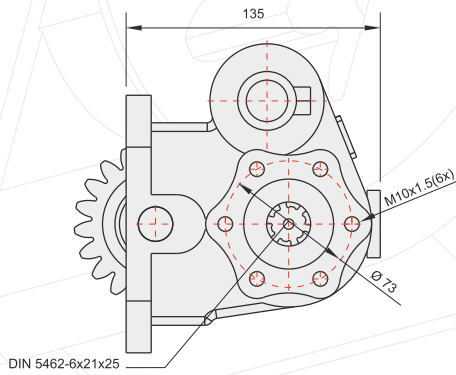
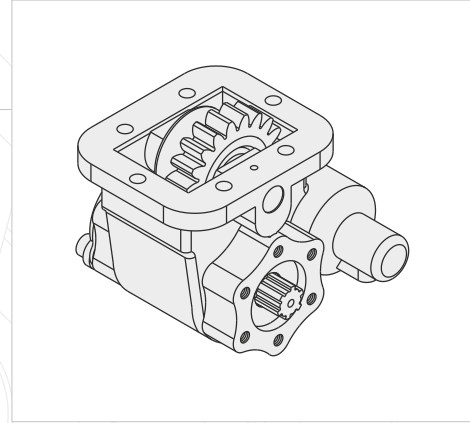
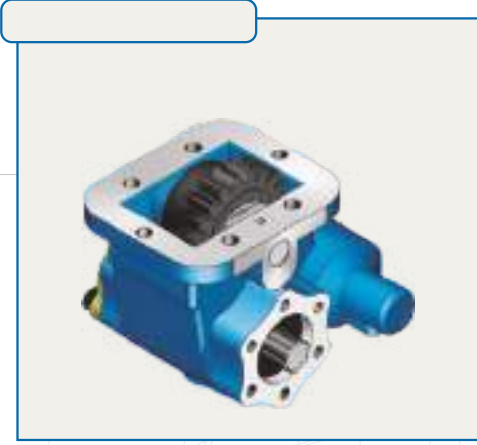
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON 4106

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Prömatik Mil
1	5	Prömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tel Segman
2	9	472-52 Segman
2	10	6205 Rulman
1	11	6x12 Mil
1	12	Alt Dişi

Adet	Parça No	Parça Adı
1	13	Conta
1	14	Pto Yan Kapak
3	15	M10x16 Cıvata
1	16	25x52x10 Keçe
9	17	M10x45 Saplama
9	18	M10 Somun
2	19	30204 Rulman
1	20	Üst Dişi
1	21	Üst Mil
2	22	2,35x20 O-ring
1	23	M6x10 Setskur
1	24	Conta
46		TOPLAM PARÇA SAYISI



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21 Kgm	206 Nm
Güç(1000 rpm) / Power	10,7Hp	8,1 Kw
Devir / Speed	375 rpm	375 rpm
Oran / Ratio	1/1,25	1/1,25
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON FS / FSO/H/V 4106-5206 A/B/H	180-167-620-622 BMC PRO / 220.26- 180 FATİH BMC 2520 FORD CARGO AS 950 / CHRYSLER 180.12-210-220 CD-320 MIDLUM RENAULT / FODEN 2000 / ERF E6.18 / 1415-1718 FORD 8.163-8.224-18.228 MAN

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

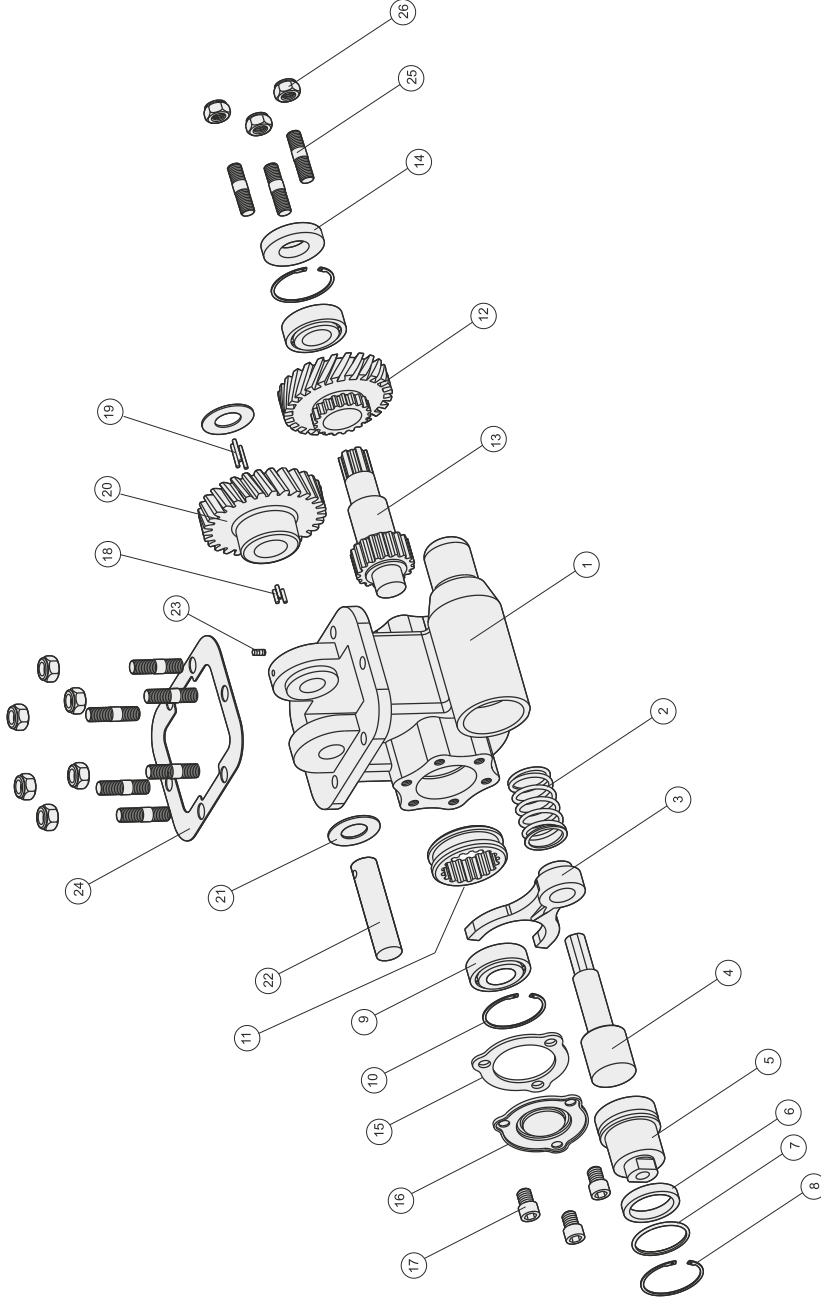
POWER TAKE OFF

P.T.O.

POWER TAKE OFF

P.T.O.

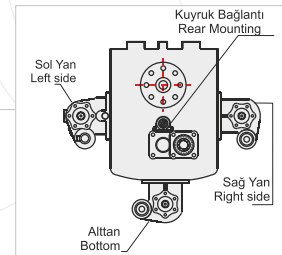
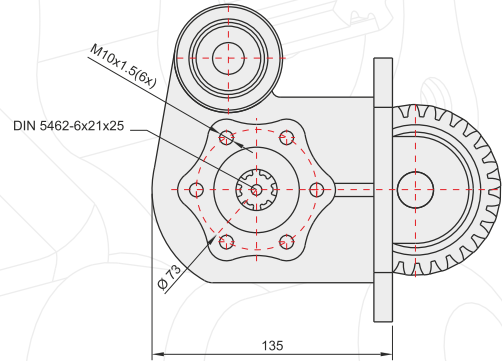
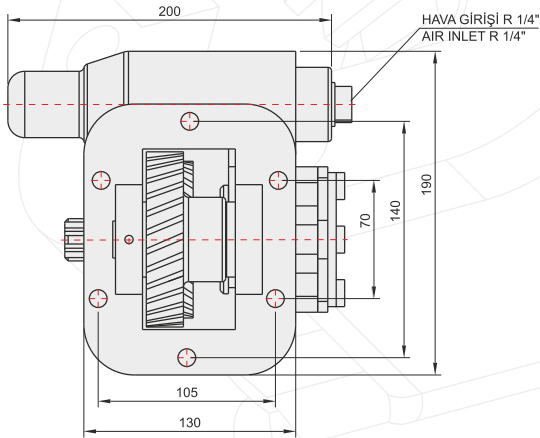
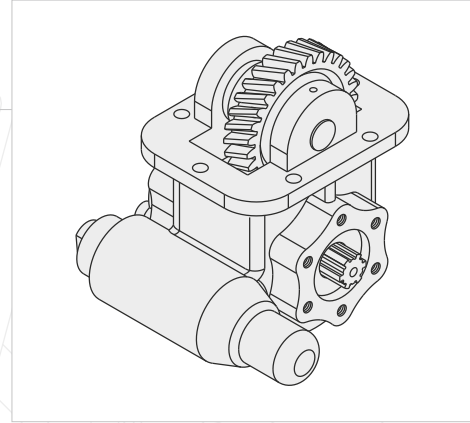
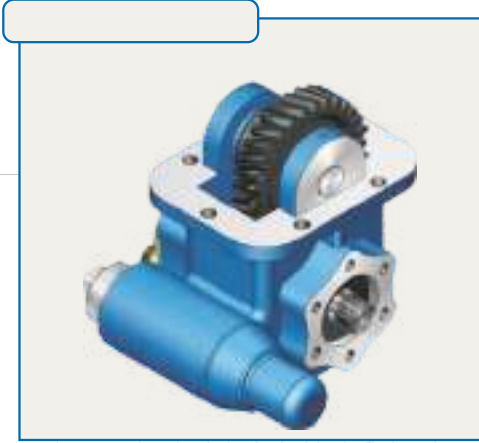
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON 4106

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Phömatik Mil
1	5	Phömatik Kovan
1	6	38x48, 1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tei Segman
2	9	30205 Segman
2	10	472-52 Segman
1	11	Sekromeç
1	12	Alt Dişli
1	13	6x18 Alt Mil
1	14	25x52x10 Keçe
1	15	Conta
1	16	Plo Yan Kapak
3	17	M10x16 Civata
26	18	3x15,5 Masura Bilya
26	19	3x23,5 Masura Bilya
1	20	Üst Dişli
2	21	22,5x44,5x1,5 Pul
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
97		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
1	14	25x52x10 Keçe
1	15	Conta
1	16	Plo Yan Kapak
3	17	M10x16 Civata
26	18	3x15,5 Masura Bilya
26	19	3x23,5 Masura Bilya
1	20	Üst Dişli
2	21	22,5x44,5x1,5 Pul
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
97		TOPLAM PARÇA SAYISI



### GENEL BİLGİLER/GENERAL DATA

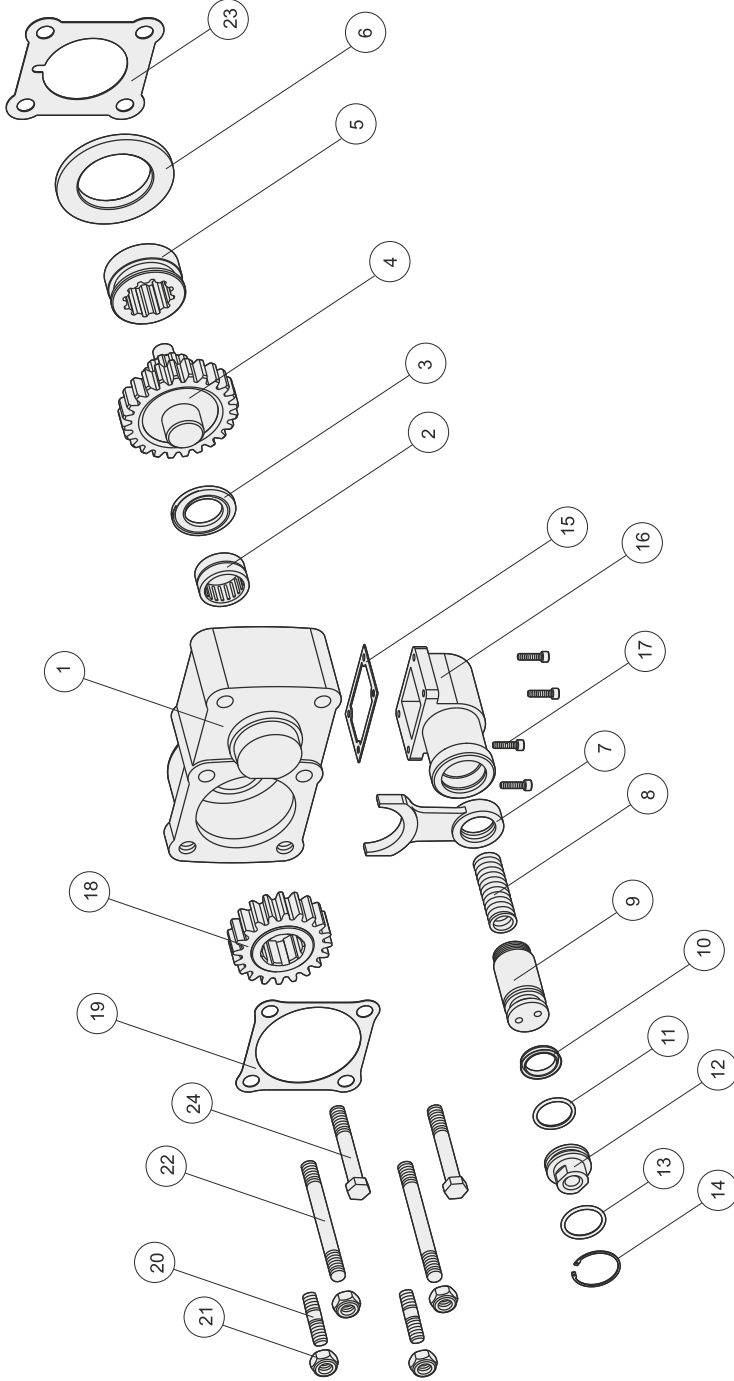
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	26,8Hp	20 Kw
Devir / Speed	750 rpm	750 rpm
Oran / Ratio	1/1,16	1/1,16
Ağırlık / Weight	13 kg	28,7 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON FS / FSO/H/V 4106-5206 A/B/H	180-167-620-622 BMC PRO / 220.26- 180 FATİH BMC 2520 FORD CARGO AS 950 / CHRYSLER 180.12-210-220 CD-320 MIDLUM RENAULT / FODEN 2000 / ERF E6.18 / 1415-1718 FORD 8.163-8.224-18.228 MAN

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

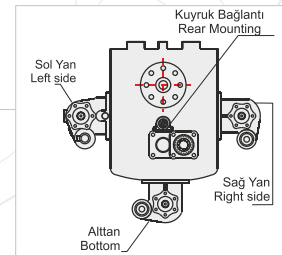
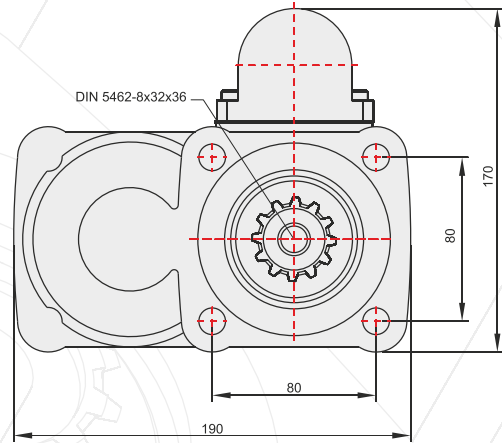
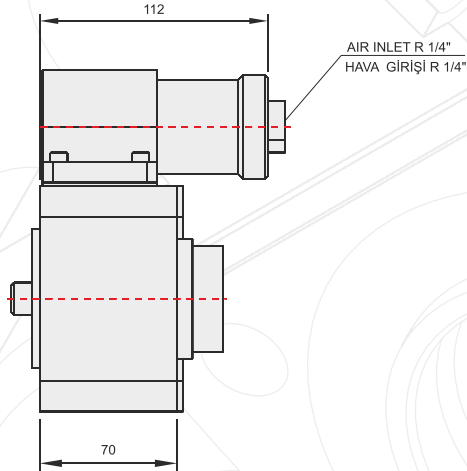
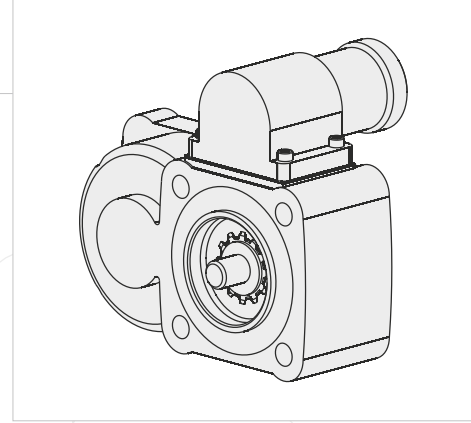
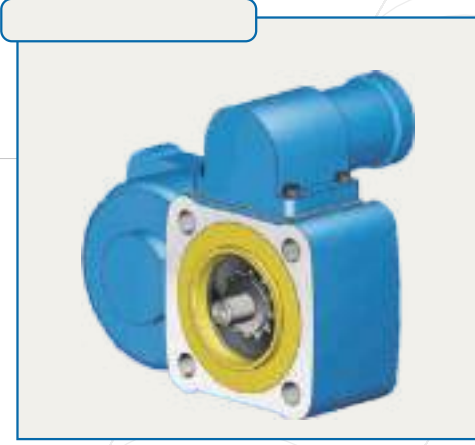
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON 4106

Adet	Parça No	Parça Adı
1	1	Zİ2 Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi-40
1	5	Kavrama Dişlisi
1	6	Zİ2 Merkezleme Pulu
1	7	Hilal
1	8	Pnömatik Piston Yayı
1	9	Pnömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Pnömatik Kapak
1	13	29,75x3,53 O-ring
1	14	472-36 Segman
1	15	Pnömatik Kovan Contası
1	16	Pnömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
1	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Cıvata
33		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
1	13	29,75x3,53 O-ring
1	14	472-36 Segman
1	15	Pnömatik Kovan Contası
1	16	Pnömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
1	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Cıvata
33		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,5 Kgm	260 Nm
Güç(1000 rpm) / Power	24,5 Hp	13,8 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	11 kg	24,4 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox		
EATON FS / FSO/H/V 4106-5206 A/B/H		

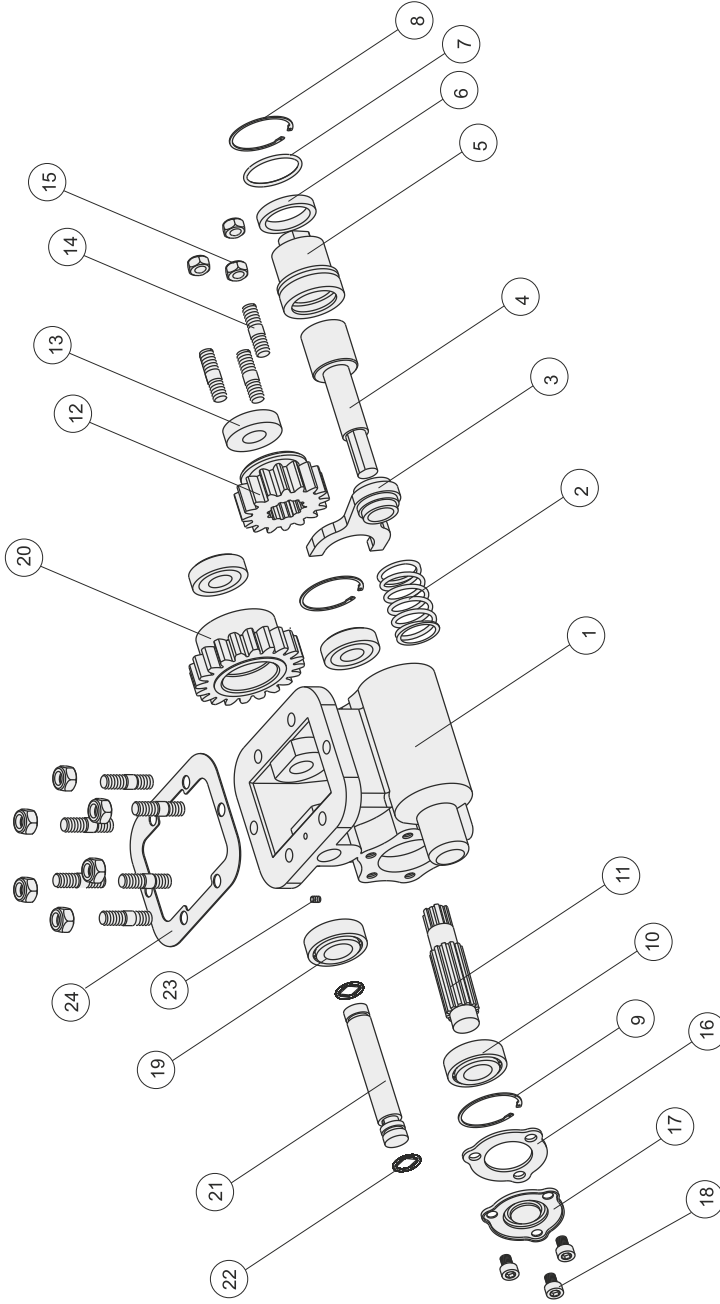
Kullanılan Bazı Araçlar / Used Vehicles
180-167-620-622 BMC PRO / 220.26-180 FATİH BMC 2520 FORD CARGO AS 950 / CHRYSLER 180.12-210-220 CD-320 MIDLUM RENAULT / FODEN 2000 / ERF E6.18 / 1415-1718 FORD 8.163-8.224-18.228 MAN

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

**POWER TAKE OFF**
**P.T.O.**

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

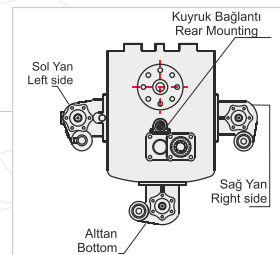
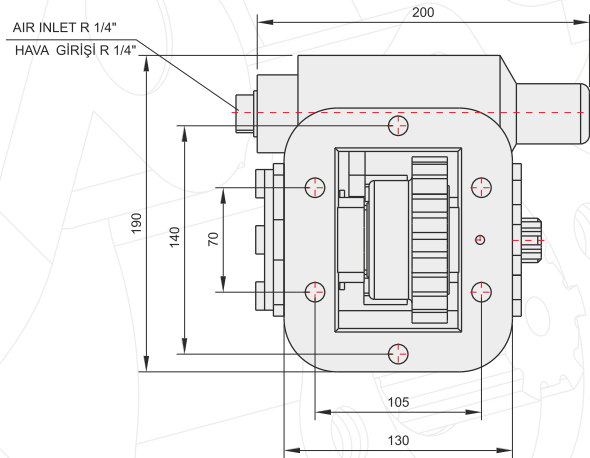
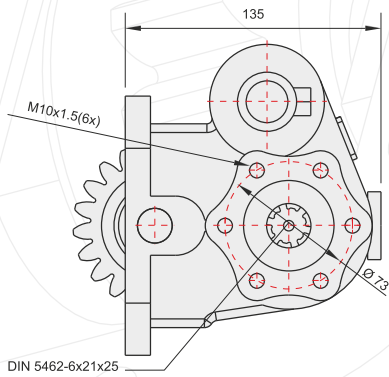
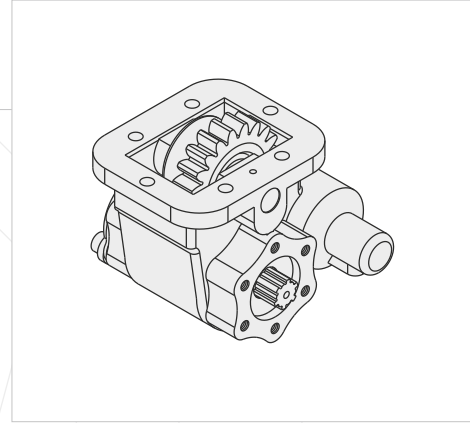
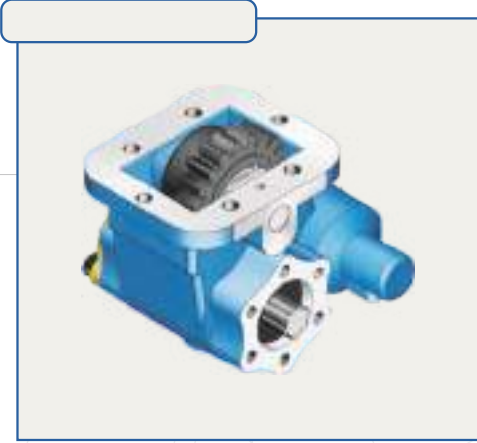


EATON 6109

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Phnömatik Mil
1	5	Phnömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tel Segman
2	9	472-52 Segman
2	10	6205 Rulman
1	11	6x12 Mil
1	12	Alt Dişli
1	13	Conta
1	14	Pto Yan Kapak
3	15	M10x16 Cıvata
1	16	25x52x10 Keçe
9	17	M10x45 Saplama
9	18	M10 Somun
2	19	30204 Rulman
1	20	Üst Dişli
1	21	Üst Mil
2	22	2,35x20 O-ring
1	23	M6x10 Setskur
1	24	Conta
46		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
1	14	Pto Yan Kapak
3	15	M10x16 Cıvata
1	16	25x52x10 Keçe
9	17	M10x45 Saplama
9	18	M10 Somun
2	19	30204 Rulman
1	20	Üst Dişli
1	21	Üst Mil
2	22	2,35x20 O-ring
1	23	M6x10 Setskur
1	24	Conta
46		TOPLAM PARÇA SAYISI





POWER TAKE OFF

P.T.O.

### GENEL BİLGİLER/GENERAL DATA

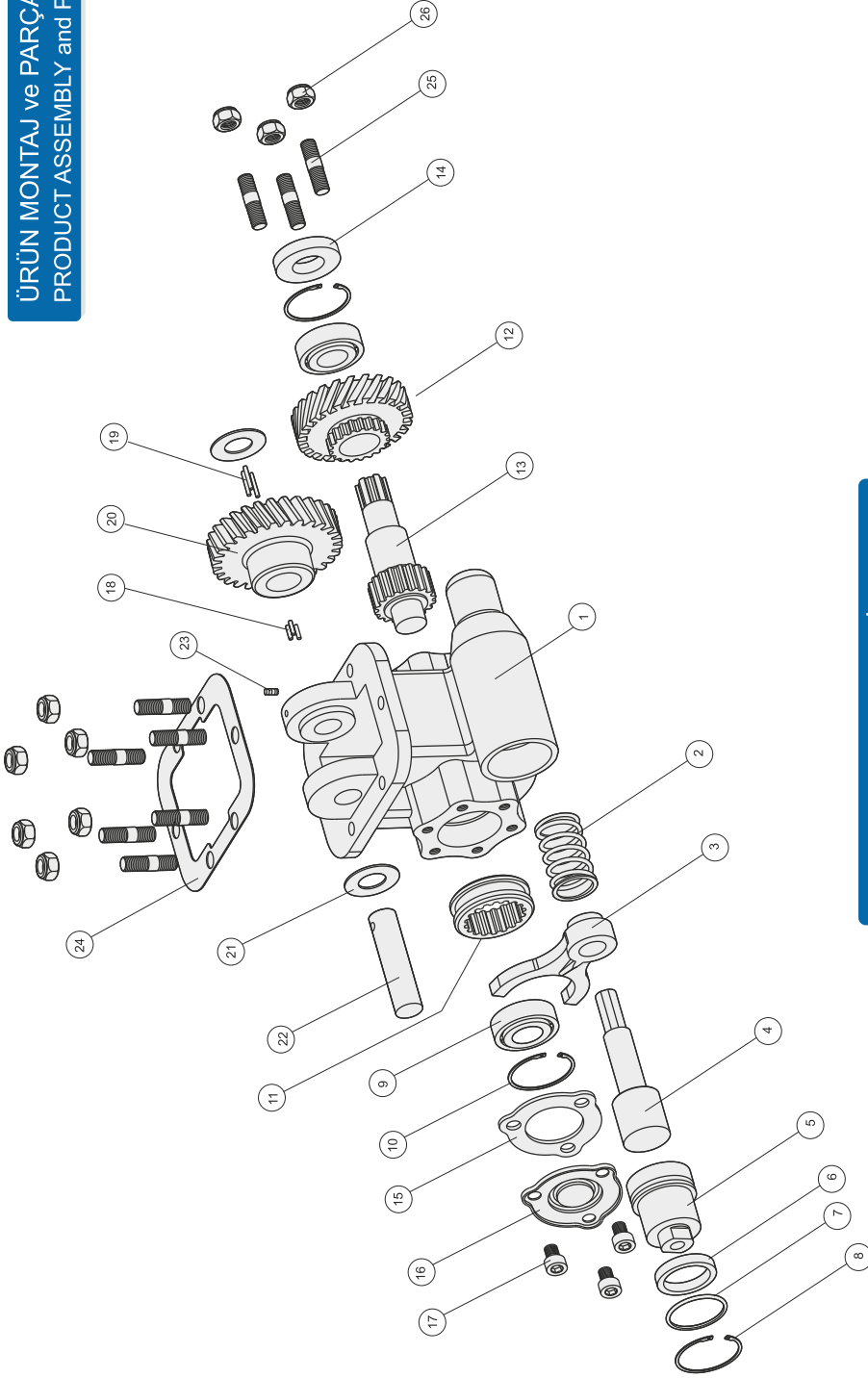
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21 Kgm	206 Nm
Güç(1000 rpm) / Power	10,8 Hp	8,1 Kw
Devir / Speed	375 rpm	375 rpm
Oran / Ratio	4/5	4/5
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON FS / FSV / FSO/H/V 6109-6209-8209-8309 A	214.26-220.26-280 FATİH / 2520L-2621 FORD CARGO 522-822-620 BMC 280 / FODEN 3000 26.234-26.264-26.284 MAN 6X2 EURO / SEDDON 211 / NISSAN CPC 16 / RENAULT MIDLUM 270 TATA LPTA 1621 TC 6x6 - LPS4021 TC

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

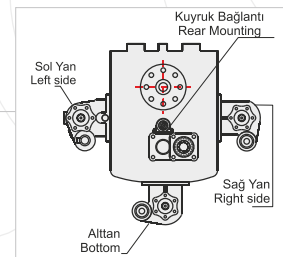
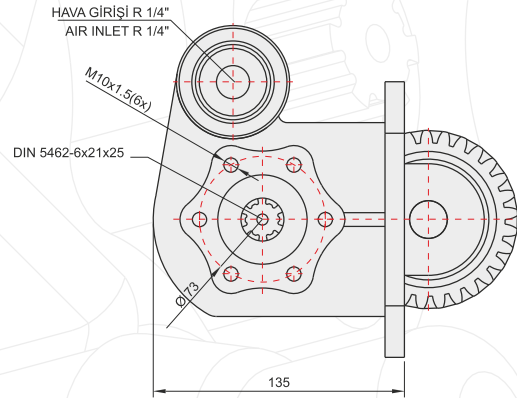
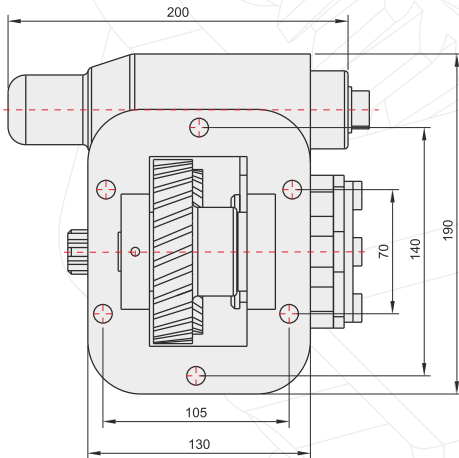
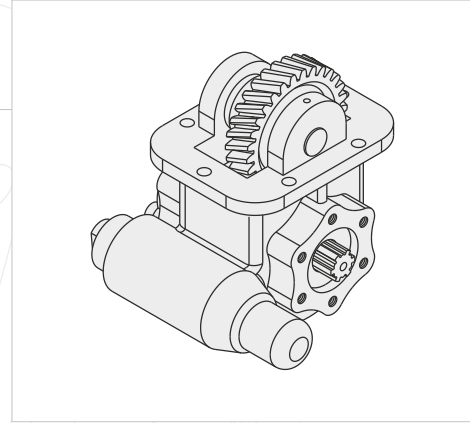
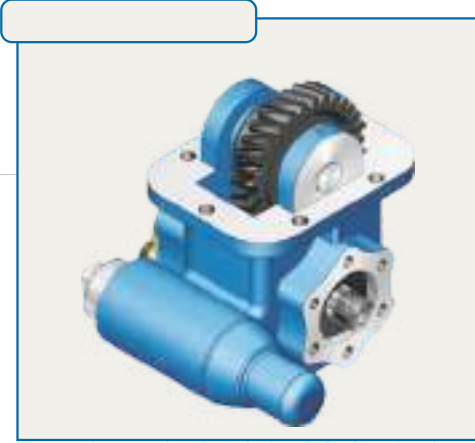
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON 6109 HELİS

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Prömatik Mil
1	5	Prömatik Kovan
1	6	387x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tel Segman
2	9	30205 Rulman
2	10	472-52 Segman
1	11	Sekromeç
1	12	Alt Dişil
1	13	6x18 Alt Mil

Adet	Parça No	Parça Adı
1	14	25x52x10 Keçe
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Cıvata
26	18	3x15,5 Masura Bilya
26	19	3x23,5 Masura Bilya
1	20	Üst Dişli
2	21	22,5x44,5x1,5 Pul
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
97		TOPLAM PARÇA SAYISI



**GENEL BİLGİLER/GENERAL DATA**

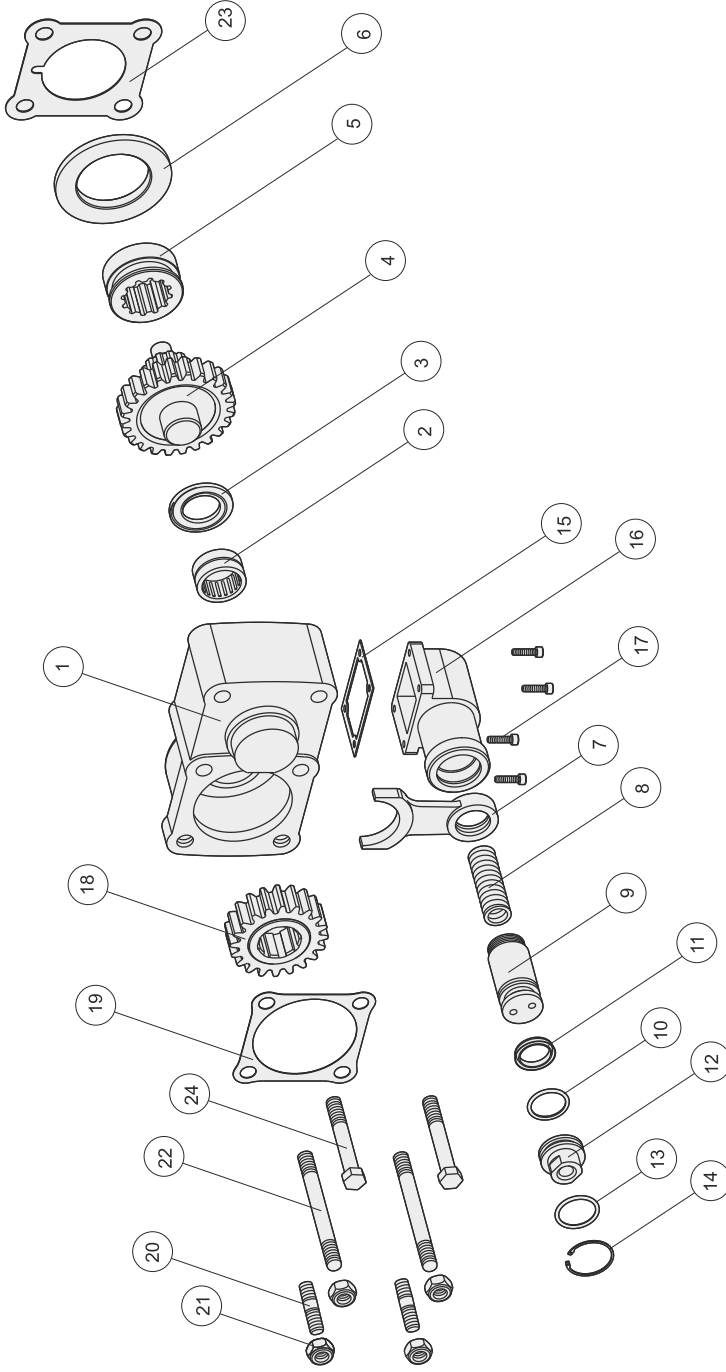
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26 Kgm	255 Nm
Güç(1000 rpm) / Power	26,8 Hp	20 Kw
Devir / Speed	750 rpm	750 rpm
Oran / Ratio	1/1,16	1/1,16
Ağırlık / Weight	13 kg	28,7 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON FS / FSV / FSO/H/V 6109-6209-8209-8309 A	214.26-220.26-280 FATİH / 2520L-2621 FORD CARGO 522-822-620 BMC 280 / FODEN 3000 26.234-26.264-26.284 MAN 6X2 EURO / SEDDON 211 / NISSAN CPC 16 / RENAULT MIDLUM 270 TATA LTPA 1621 TC 6x6 - LPS 4021 TC

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

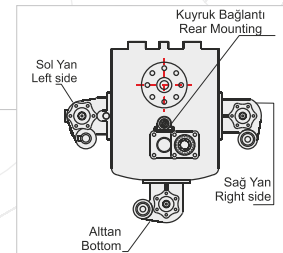
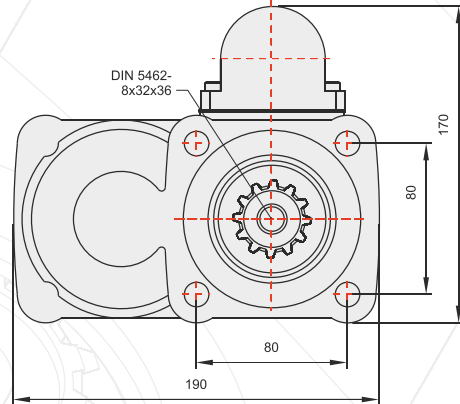
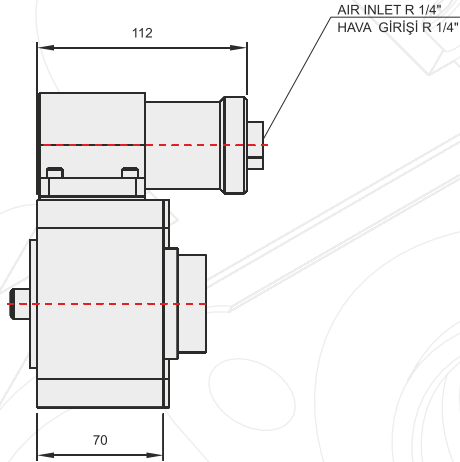
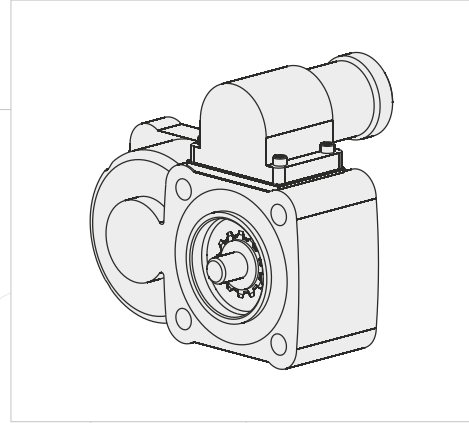
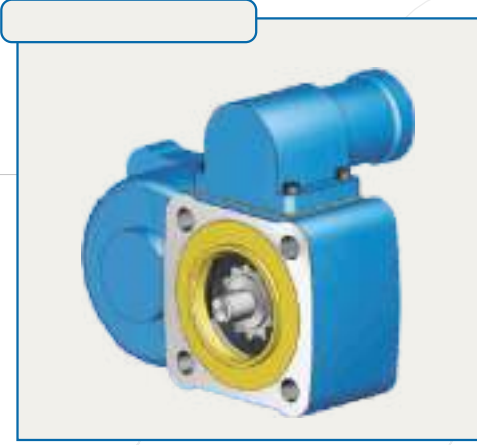
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



EATON 6109

Adet	Parça No	Parça Adı
1	1	Zf2 Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi-45
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Pnömatik Piston Yayı
1	9	Pnömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Pnömatik Kapak

Adet	Parça No	Parça Adı
1	13	29,75x3,53 O-ring
1	14	472-36 Segman
1	15	Pnömatik Kovan Contası
1	16	Pnömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Cıvata
33		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,5 Kgm	260 Nm
Güç(1000 rpm) / Power	24,5 Hp	18,3 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	11 kg	24,4 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON FS / FSV / FSO/H/V 6109-6209-8209-8309 A	214.26-220.26-280 FATİH / 2520L-2621 FORD CARGO 522-822-620 BMC 280 / FODEN 3000 26.234-26.264-26.284 MAN 6X2 EURO / SEDDON 211 / NISSAN CPC 16 / RENAULT MIDLUM 270 TATA LTPA 1621 TC 6x6 - LPS1021 TC

Seçeğiniziz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

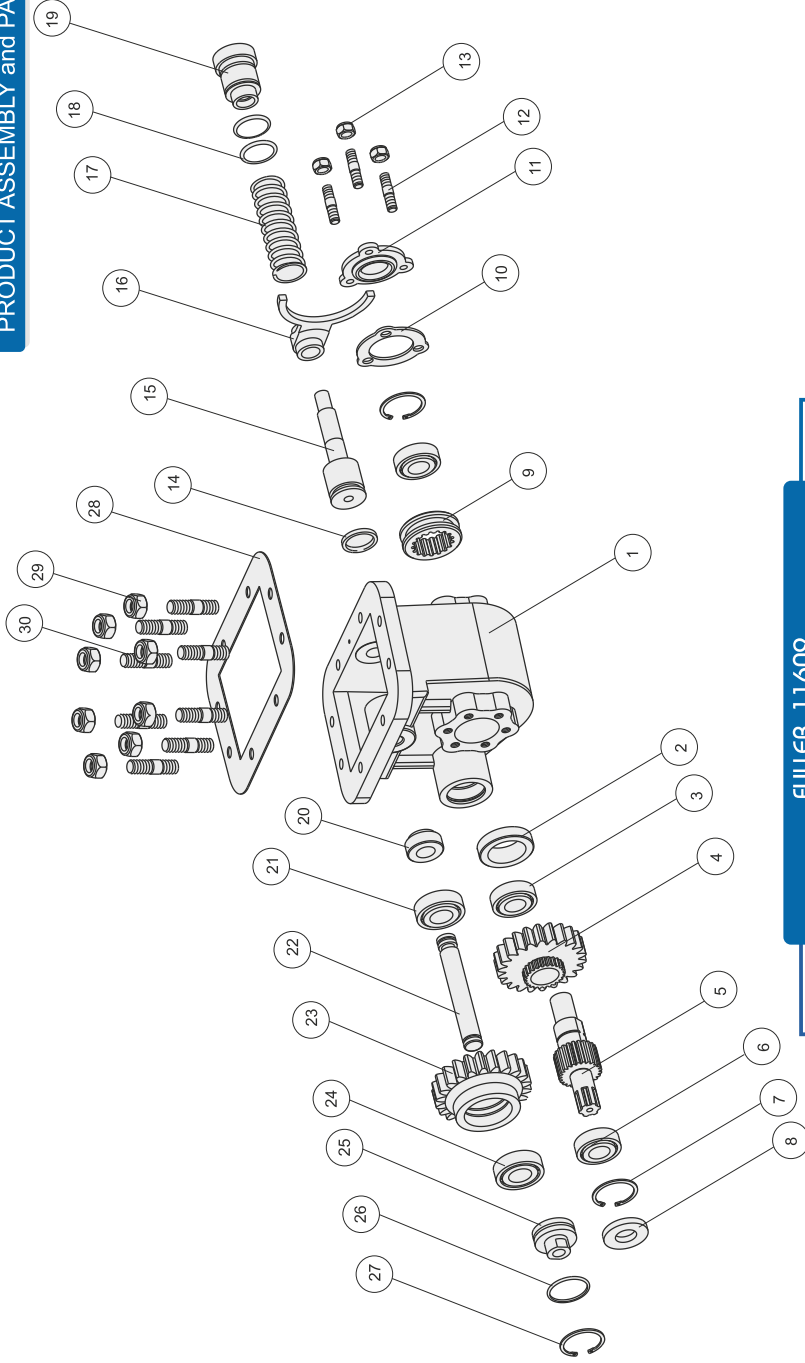
ALTAN/BOTTOM UNI

FULLER 11609

POWER TAKE OFF

P.T.O.

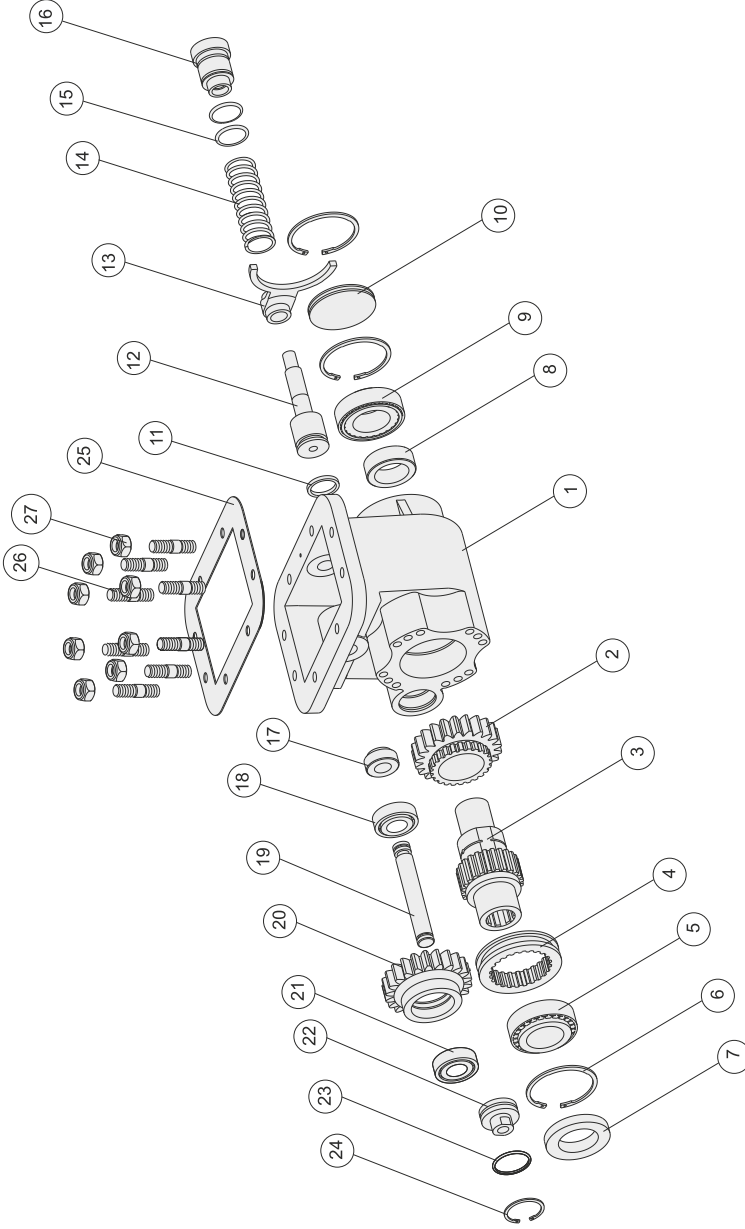
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



FULLER 11609

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	1	Gövde	1	16	Hilal
1	2	25.3x45x8,4 Pul	1	17	PNömatik Yay
1	3	51105 Rulman	2	18	27x3 O-ring
1	4	Alt Dişli	1	19	PNömatik Kapak2
1	5	Alt Mil	1	20	21.3x40x20 Pul
2	6	30205 Rulman	1	21	30304 Rulman
4	7	472-52 Segman	1	22	Üst Mil
1	8	25x52x10 Keçe	1	23	Üst Dişli
1	9	Senkromerç	1	24	32304 Rulman
1	10	Conta	1	25	PNömatik Kapak
1	11	Pto Yan Kapak	1	26	34x3 O-ring
3	12	M10x45 Saplama	2	27	472x45 Segman
3	13	M10 Somun	1	28	Conta
1	14	30x4 O-ring	8	29	M12x45 Saplama
1	15	PNömatik Mil	8	30	M12 Somun
			52		TOPLAM PARÇA SAYISI

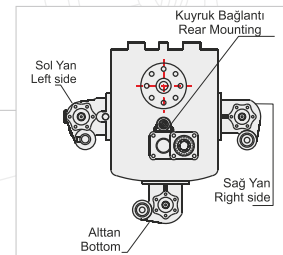
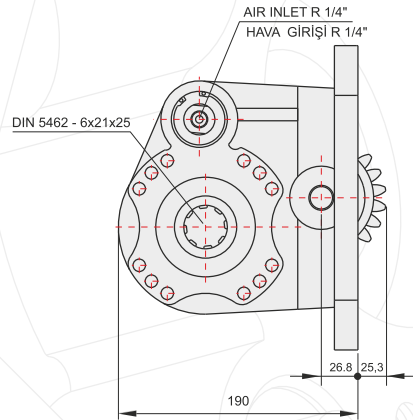
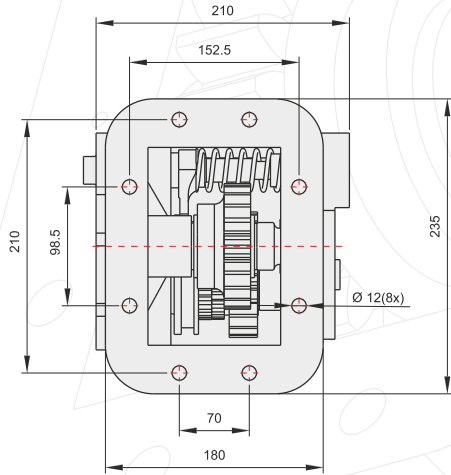
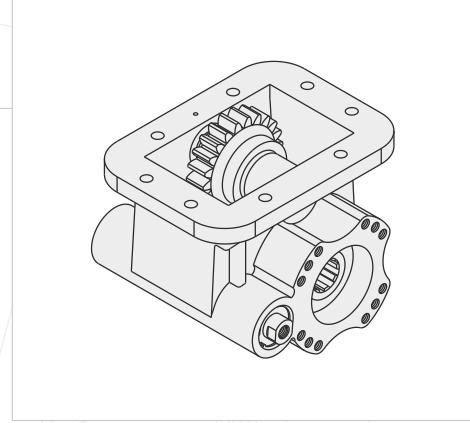
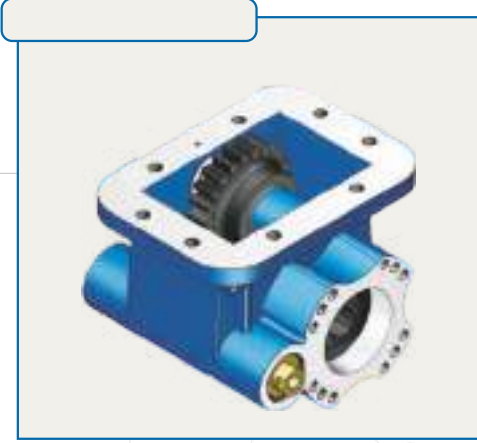
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



FULLER 11609

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Alt Dişli
1	3	Alt Mil
1	4	Senkromeç
1	5	32010 Rulman
3	6	472-80 Segman
1	7	50x80x8 Keçe
1	8	40x59x20 Ortalama Pulu
1	9	32208 Rulman
1	10	Ø80 Kapak
1	11	30x40-ring
1	12	Pnömatik Mil
1	13	Hilal
1	14	Pnömatik Yay
2	15	27x3 O-ring
1	16	Pnömatik Kapak2
1	17	21.3x40x20 Pul
1	18	30304 Rulman
1	19	Üst Mil
1	20	Üst Dişli
1	21	32304 Rulman
1	22	Pnömatik Kapak
1	23	34x3 O-ring
2	24	472x45 Segman
1	25	Conta
8	26	M12x45 Saplama
8	27	M12 Somun
45		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Alt Dişli
1	3	Alt Mil
1	4	Senkromeç
1	5	32010 Rulman
3	6	472-80 Segman
1	7	50x80x8 Keçe
1	8	40x59x20 Ortalama Pulu
1	9	32208 Rulman
1	10	Ø80 Kapak
1	11	30x40-ring
1	12	Pnömatik Mil
1	13	Hilal
1	14	Pnömatik Yay
2	15	27x3 O-ring
1	16	Pnömatik Kapak2
1	17	21.3x40x20 Pul
1	18	30304 Rulman
1	19	Üst Mil
1	20	Üst Dişli
1	21	32304 Rulman
1	22	Pnömatik Kapak
1	23	34x3 O-ring
2	24	472x45 Segman
1	25	Conta
8	26	M12x45 Saplama
8	27	M12 Somun
45		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	40 Kgm	392,4 Nm
Güç(1000 rpm) / Power	57,8 Hp	43,1 Kw
Devir / Speed	1050 rpm	1050 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Alltan Çift Dişli	Bottom
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

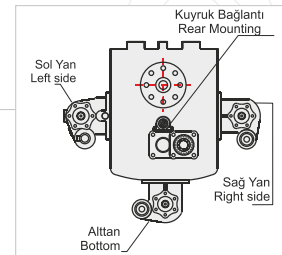
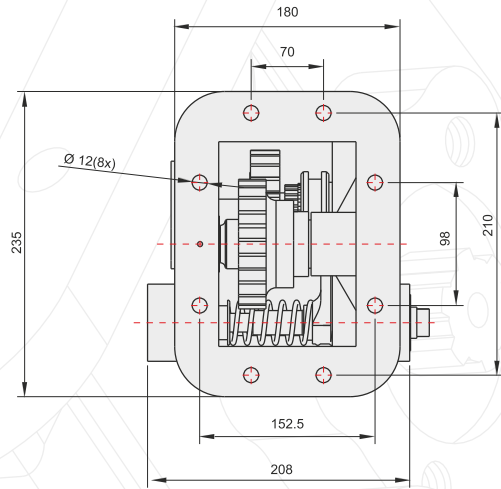
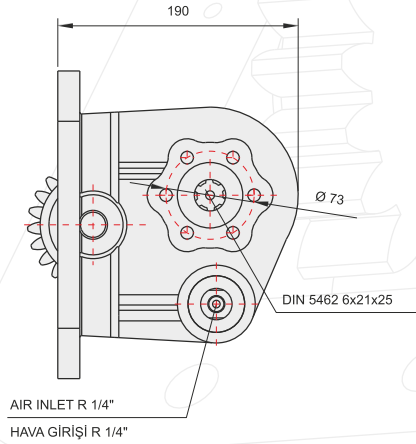
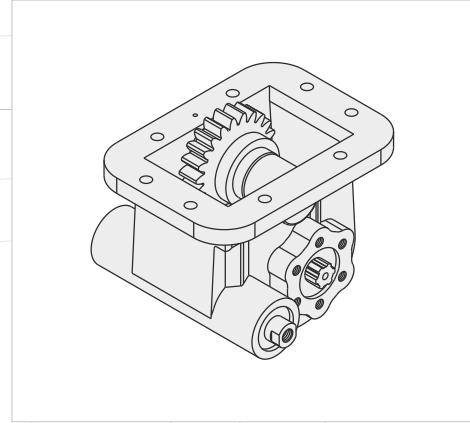
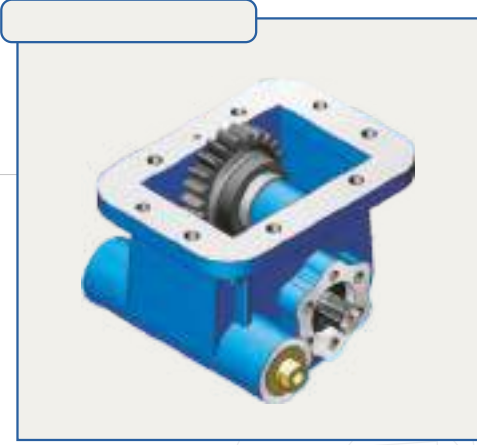
Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
RT 11609-11613-11709-12709-14609 MRTO / RTX 9509-9513-9710-11509-14613-15613-15615 A/B/H	19.361-26.321-26.240-26.280 MAN 180.24-280.26-190.26-190.30-190.35-190.42-198.38-240.36-330.26-330.30-330.35-380E30 IVECO / 270.26 FATİH BMC DAF 85-2605-2800-2815-3030-3300-3330-3600-4400-ERF E6-E8-E12-EC 14 LEYLAND / FODEN 4000 MAGİRUS / 19.320-30.280 MAN / FIAT 619-697

Seçeceğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

**POWER TAKE OFF**
**P.T.O.**




**GENEL BİLGİLER/GENERAL DATA**

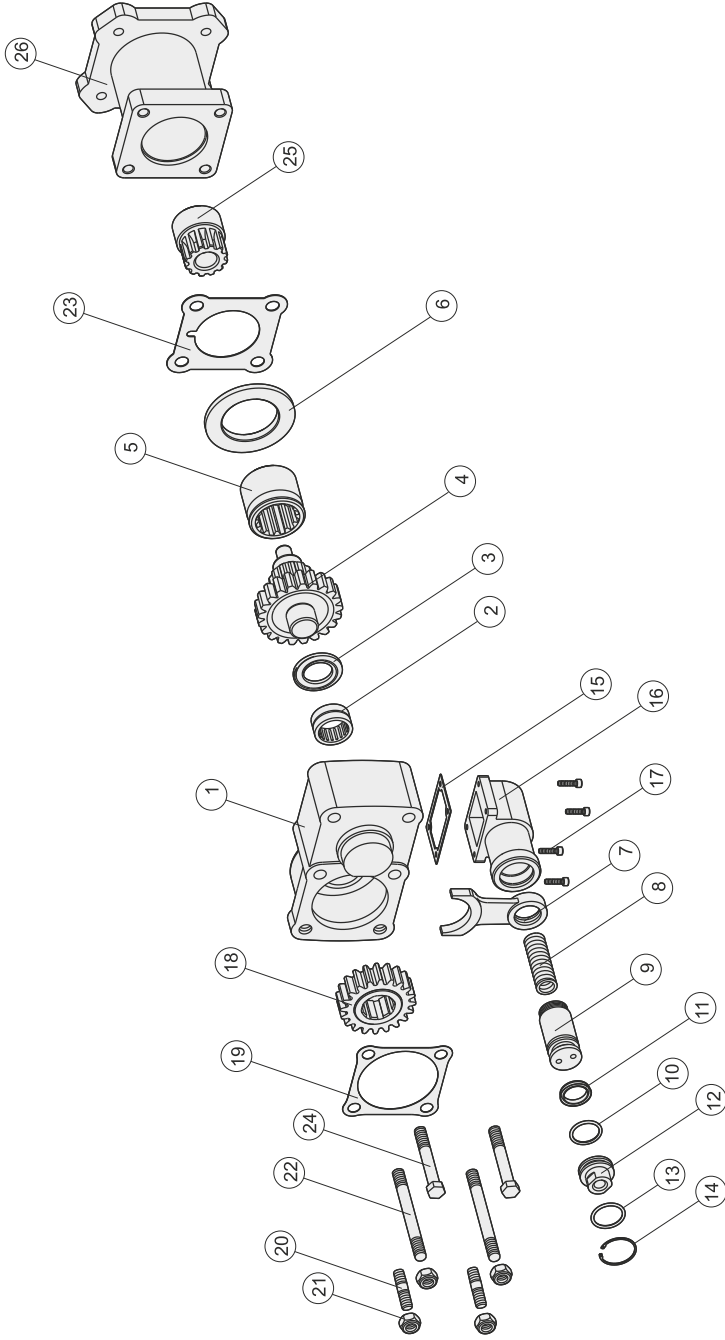
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	40 Kgm	392,4 Nm
Güç(1000 rpm) / Power	7,6 Hp	43,1 Kw
Devir / Speed	1050 rpm	1050 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Altan Çift Dişli	Bottom
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
RTO 11609-11613-11709-12709	19.361-266.321-26.240-26.280 MAN
14609	180.24-280.26-190.26-190.30-190.35-190.42
MRTO/RTX 9509-9513-9710	198.38-240.36-330.26-330.35-380E30 IVECO
11509-14613-15613-15615	270-26 FATİH BMC DAF85-2605-2800- 2815
A/B/H- RTOF 16908LL	- 3030-3300-3330-3600-4400 ERF E6-E8-E12
	-EC 14 LEYLAND / FODEN 4000 MAGİRUS
	/ 19.320-30.280 MAN / FIAT619-697
	INTERNATIONAL WOAXSTAR

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

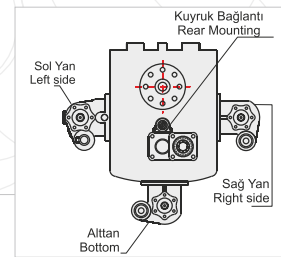
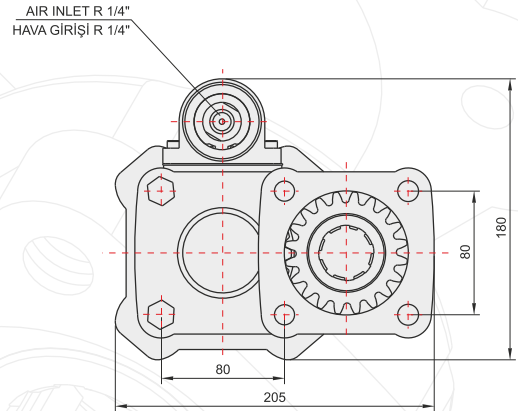
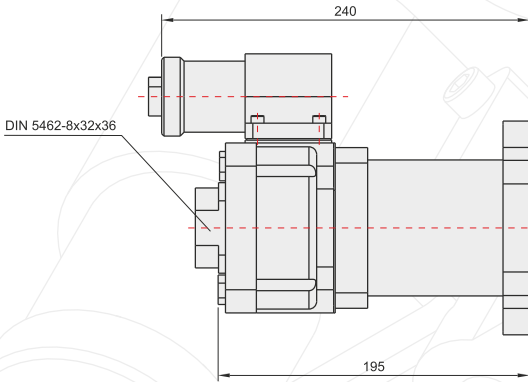
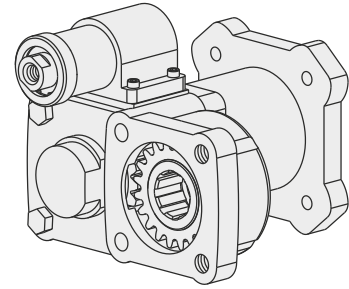


FULLER 11609

FULLER 11609

Adet	Parça No	Parça Adı
1	1	Zf2 Gövde
1	2	Nk30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulü
1	7	Hilal
1	8	Pnömatik Piston Yayı
1	9	Pnömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Pnömatik Kapak
1	13	29,75x3,53 O-Ring

Adet	Parça No	Parça Adı
1	14	472-36 Segman
1	15	Pnömatik Kovan Contası
1	16	Pnömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	11609 Kavrama
1	26	11609 Plate
35		TOPLAM PARÇA SAYISI



**GENEL BİLGİLER/GENERAL DATA**

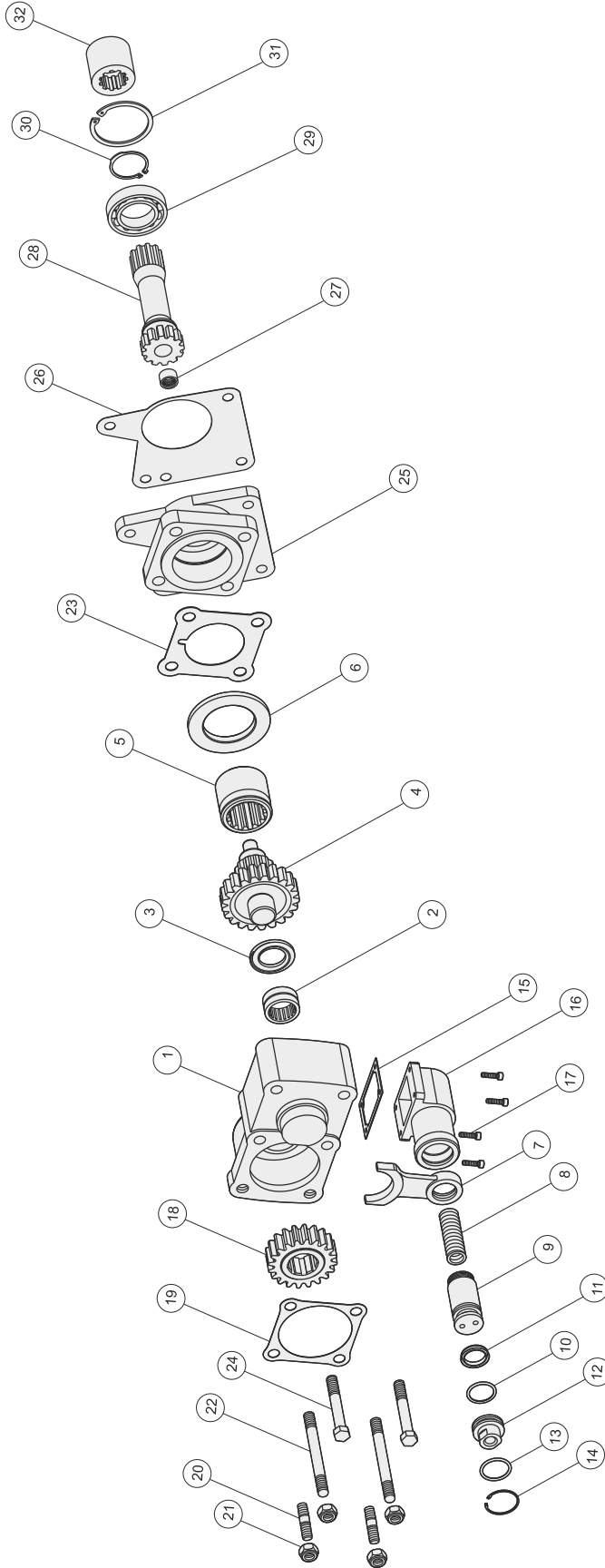
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,5 Kgm	260 Nm
Güç(1000 rpm) / Power	32,9 Hp	24,5 Kw
Devir / Speed	900 rpm	900 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON-FULLER RT-RTF-RTO-RTX-RTOF-RTOX-MRT1160A-B RT-RTX-TRO-RTLO-RTOO-RTOOF- FTOOX 11509-14613-15613-15615-A-B-H / RTO-RTX 11709,12609/RTO11608 LL / RTX 11613 B/RT-RTX 11709 H-B / RT-RTF910/RTO 910/ RT 1110/ RTO 1110/ RT 7609/ RTO-RTX 7609/ RT-RTO7613/ RT-RTF 9509 A-C RT-RTF-MRT-MRTO-RTO-RTOF 9509,9513, 9710 A-B RT-RTO-RTX 12509,12513, 12709 H, 12710 B / RT- RTF- RTO-RTOF- RTLO-RTX 14608 LL, 14609,14613,14710 E	19.361-26.321-26.240-26.280 MAN/ 180.24-180.26-190.26-190.30-190.35-190.42-198.38-240.36-330.26-330.30-330.35-380E30 IVECO270-26 FATİH BMC / DAF 85-2605-2800-2815-3030-3300-3330-3600-4400/ ERF E6-E8-E12-EC /LEYLAND / FODEN 4000 / MAGIRUS 19.320-30.280 MAN / FIAT 619-697

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

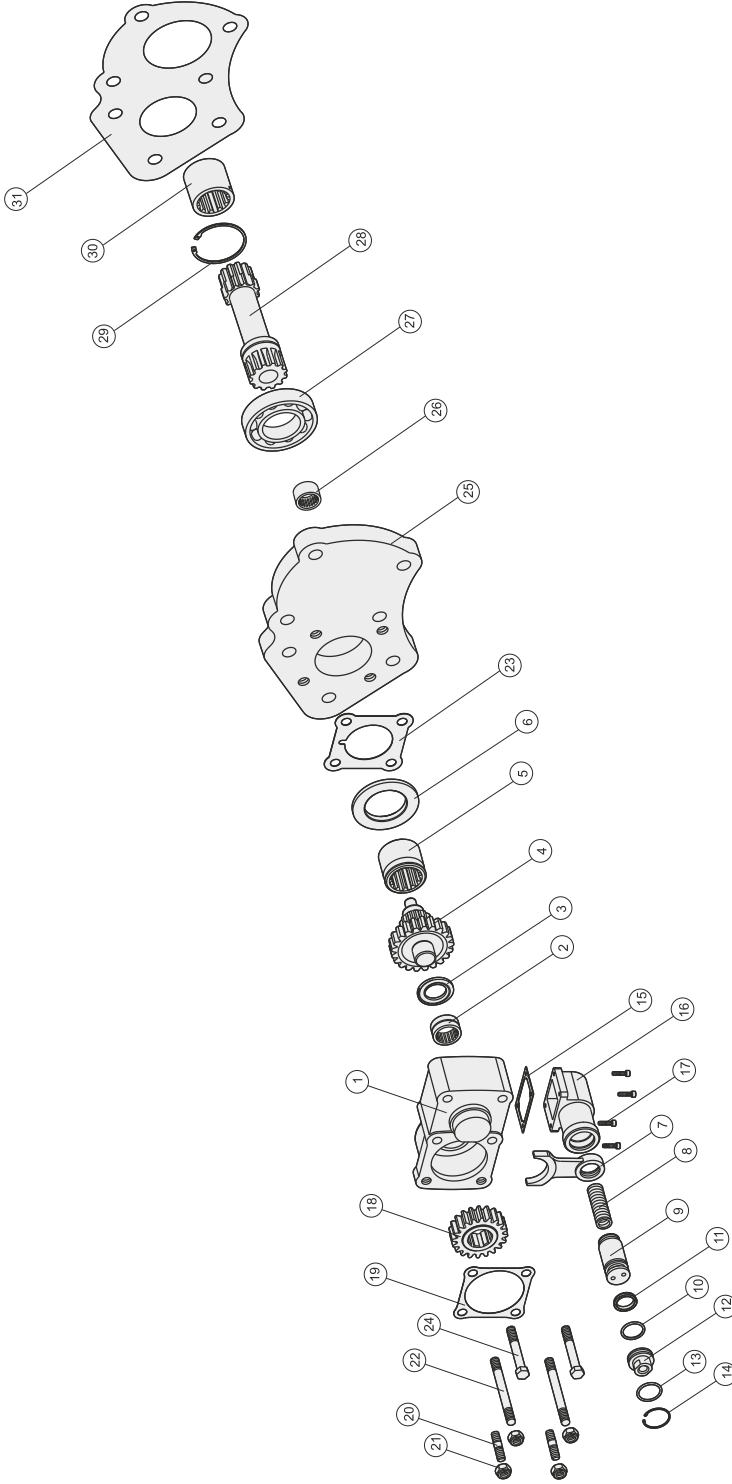


FULLER 17316

Adet	Parça No	Parça Adı
1	1	Zf2 Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Prömatik Piston Yayı
1	9	Prömatik Piston
1	10	3x27 O-ring
1	11	33-25-5.5 Nutring
1	12	Prömatik Kapak
1	13	29.75x3.53 O-ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan

Adet	Parça No	Parça Adı
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	17316 Plate
1	26	Conta
1	27	Hk 16-16 Rulman
1	28	17316 Kardan Mili
1	29	6008 Rulman
1	30	471-40 Segman
1	31	472-68 Segman
1	32	17316 Kardan Mili Kavraması
41	TOPLAM PARÇA SAYISI	

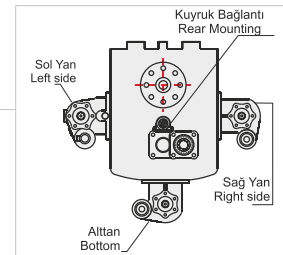
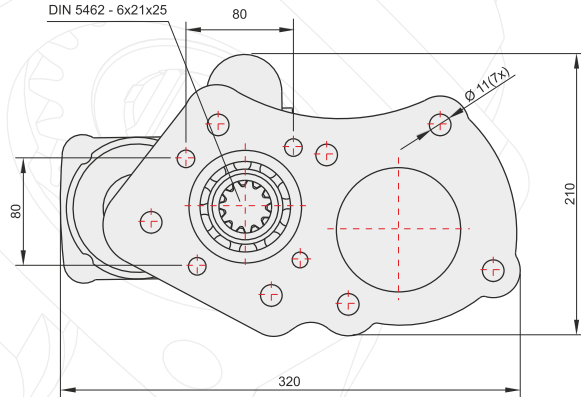
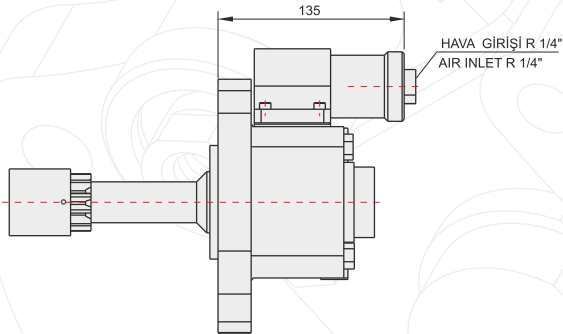
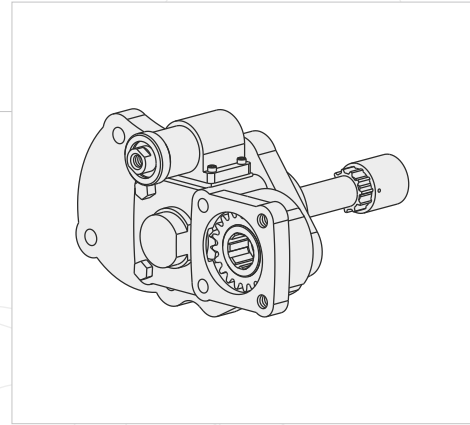
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



FULLER 15612

Adet	Parça No	Parça Adı
1	1	Zif2 Gövde
1	2	Nk30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Pnömatik Piston Yayı
1	9	Pnömatik Piston
1	10	3x27 O-ring
1	11	33x25x5,5 Nutring
1	12	Pnömatik Kapak
1	13	29,75x3,53 O-Ring
1	14	472-36 Segman
1	15	Pnömatik Kovan Contası
1	16	Pnömatik Kovan
1	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	15612 Plate
1	26	Hk 16-16 Rulman
1	27	60209 Rulman
1	28	15612 Kardan Mili
1	29	471-45 Segman
1	30	15612 Kardan Mili Kavrama
1	31	Conta
40	TOPLAM PARÇA SAYISI	

Adet	Parça No	Parça Adı
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	15612 Plate
1	26	Hk 16-16 Rulman
1	27	60209 Rulman
1	28	15612 Kardan Mili
1	29	471-45 Segman
1	30	15612 Kardan Mili Kavrama
1	31	Conta
40	TOPLAM PARÇA SAYISI	



GENEL BİLGİLER/GENERAL DATA

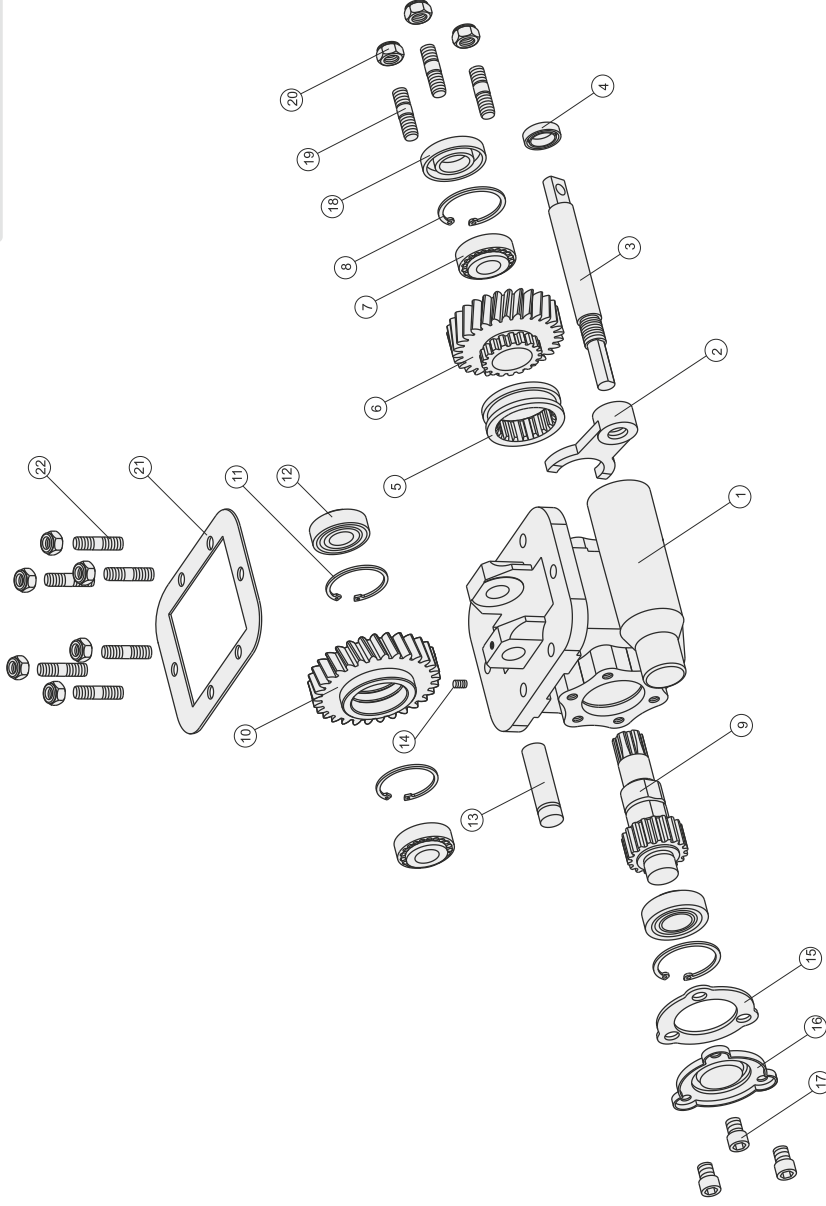
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	26,5 Kgm	260 Nm
Güç(1000 rpm) / Power	24,5 Hp	8,3 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	16 kg	35,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
EATON-FULLER 11612-12612-13612-15612-14607-16612 A/H	440E42-720E37 EROTECH-EUROTRACKER-EUROSTAR/LEYLAND 80.330-85.330-85.400- DAF/190.36-240.36- IVECO / FODEN 4275 SEDDON ATKINSON 3.11 L 25 / ERF E 14.35 TT / 400 E 34 IVECO

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

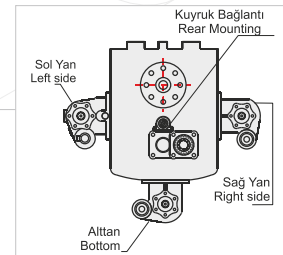
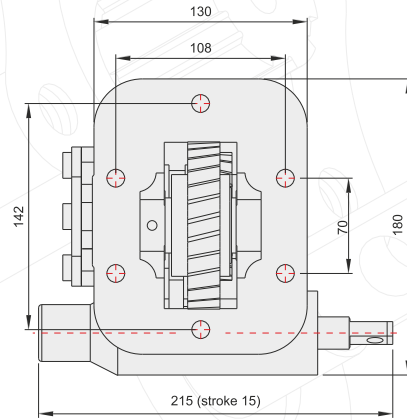
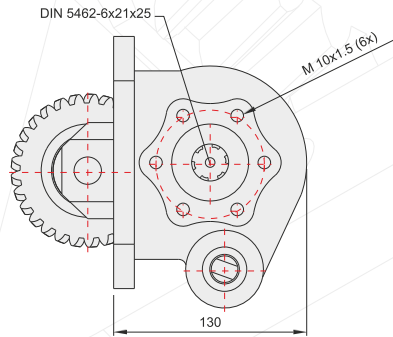
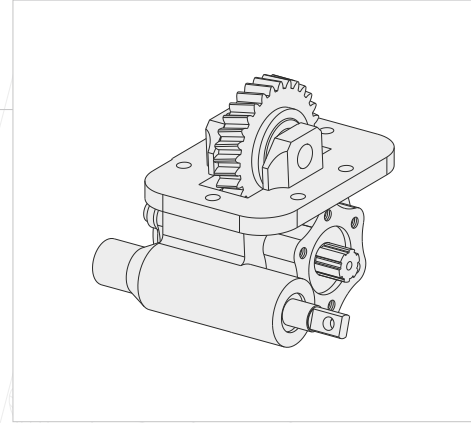
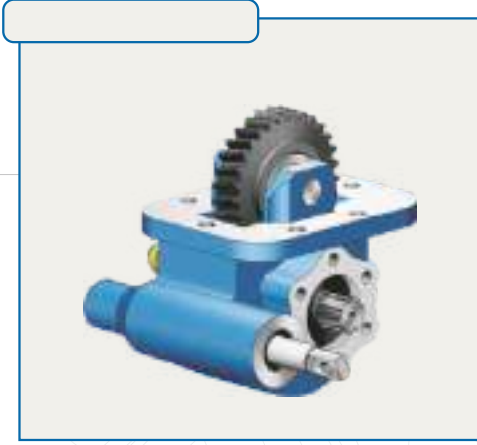
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MSB 55

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromec
1	6	Msb-5s Alt Dişli
2	7	30205 Rulman
2	8	472-52 Segman
1	9	6x18 Alt Mil
1	10	Msb-5s Üst Dişli
2	11	472-47 Segman

Adet	Parça No	Parça Adı
2	12	30204 Rulman
1	13	Üst Mil
1	14	M6x10 Setiskur
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Civata
1	18	25x52x10 Keçe
3	19	M10x45 Saplama
9	20	M10 Somun
1	21	Conta
6	22	M10x1,5x1,25 Saplama
43		TOPLAM PARÇA SAYISI



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	16,6 Kgm	162,8 Nm
Güç(1000 rpm) / Power	14,2 Hp	10,6 Kw
Devir / Speed	600rpm	600 rpm
Oran / Ratio	1/1,34	1/1,34
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

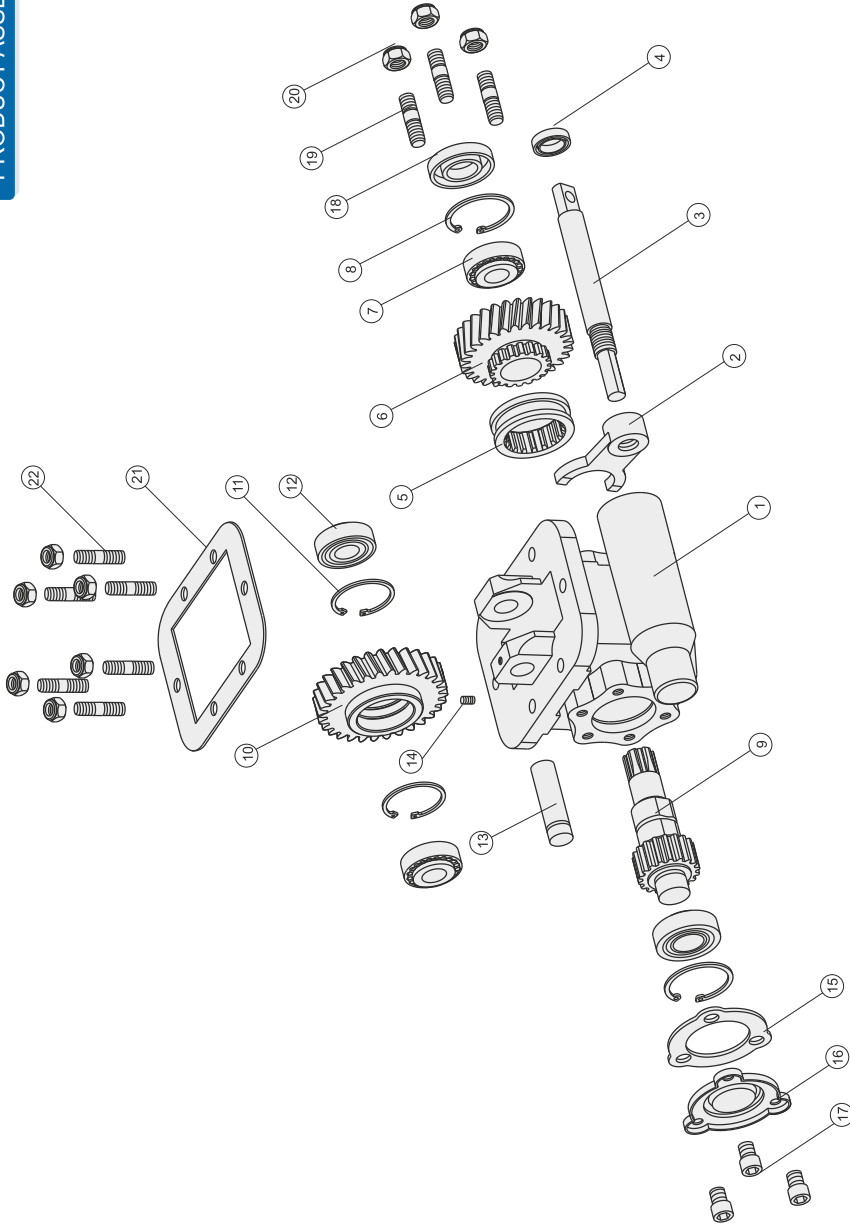
Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MSB-5S / MSB-5M / MSB-5G / MOA-89 / MSB-5R	NKR 2.8 ISUZU LOW / NKR 55 LOW NHR 55E / CARRIER 250T

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.



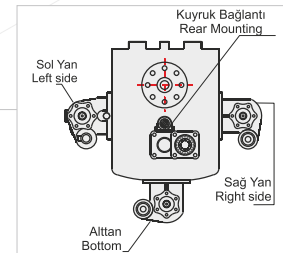
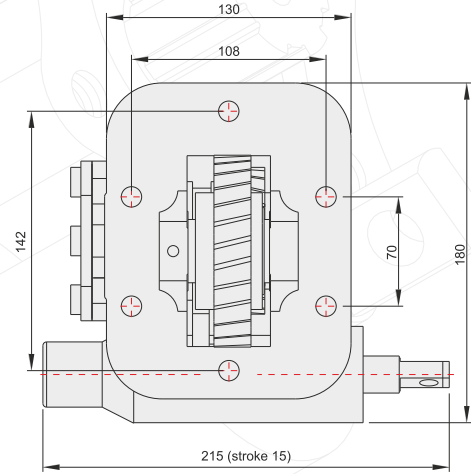
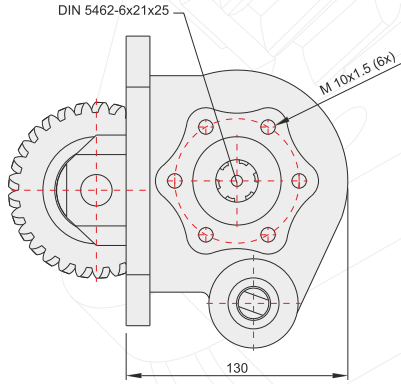
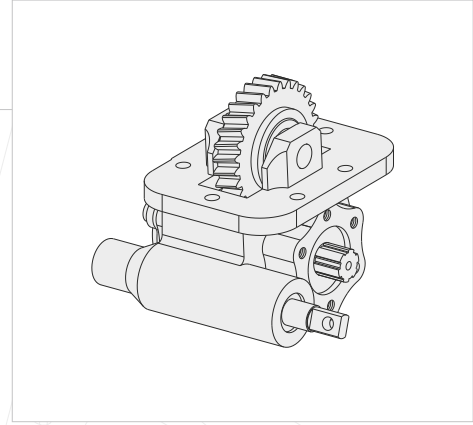
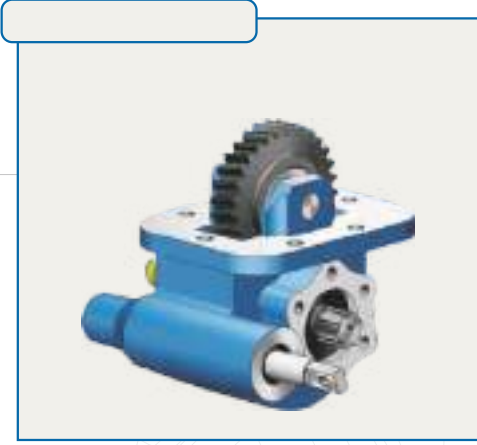
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MSA 5P

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromeç
1	6	Msa-5p Alt Dişli
2	7	30205 Rulman
2	8	472-52 Segman
1	9	6x18 Alt Mil
1	10	Msa-5p Üst Dişli
2	11	472-47 Segman

Adet	Parça No	Parça Adı
2	12	30204 Rulman
1	13	Üst Mil
1	14	M6x10 Setskur
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Civata
1	18	25x52x10 Keçe
3	19	M10x45 Saplama
9	20	M10 Somun
1	21	Conta
6	22	M10x1,5x1,25 Saplama
43		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,2 Kgm	178,5 Nm
Güç(1000 rpm) / Power	15 Hp	11,2 Kw
Devir / Speed	600rpm	600 rpm
Oran / Ratio	1/1,31	1/1,31
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MSA-5P/ MSA-5G / SMA-SP / MSA-5D	KS11-KS 20-KS 32-8.8 WIDE DIESEL- NKR 55 L / 3.3 IRAN ISUZU NKR-NHR- HPR 3.6 / 3.9 ISUZU - JAC HVC SAH 1063 (LC 5 T 30)

Sececeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

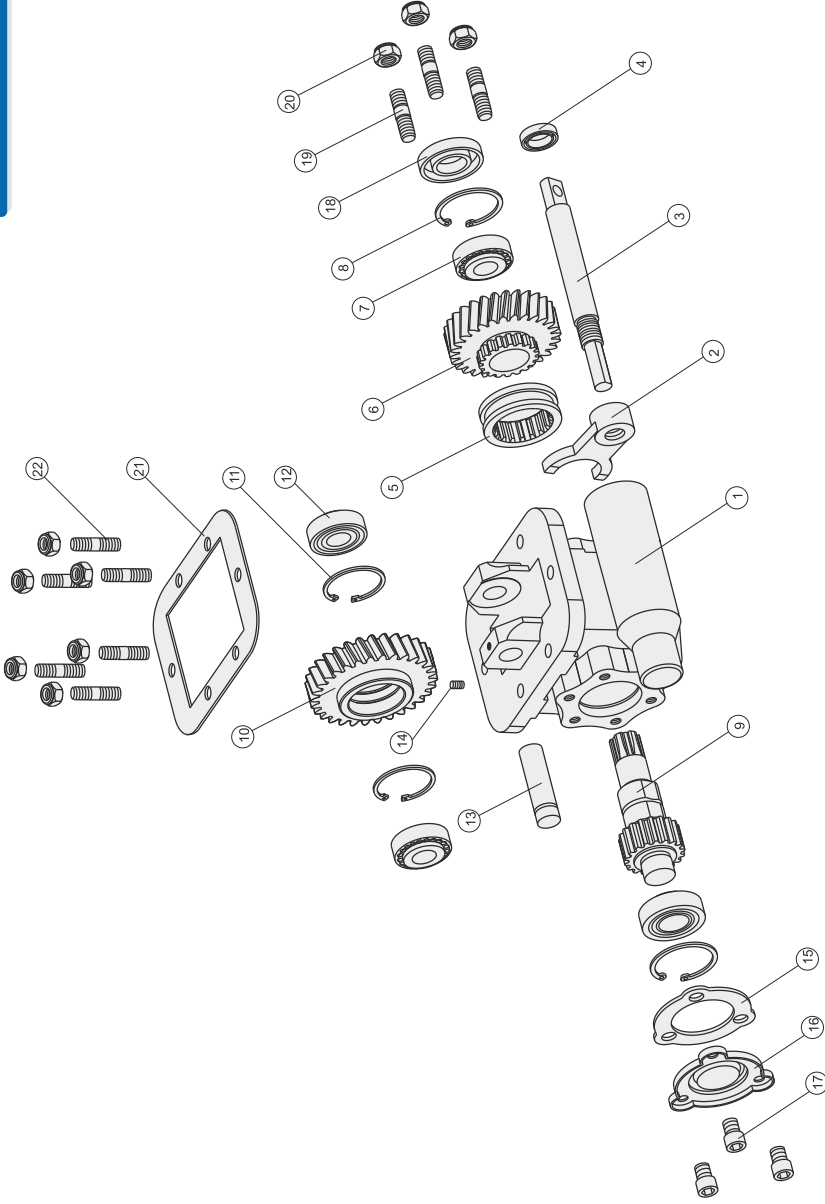
MK

ISUZU MXA 5R

POWER TAKE OFF

P.T.O.

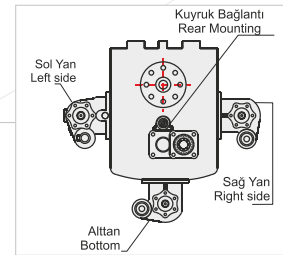
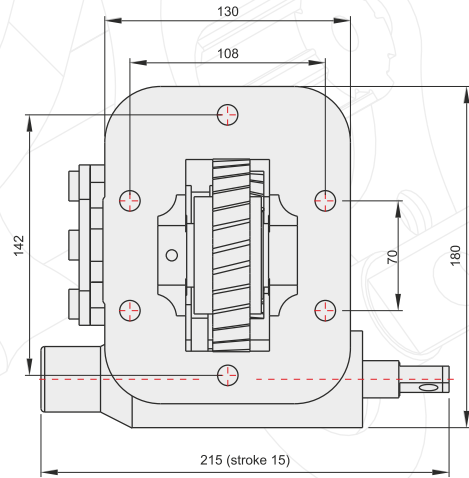
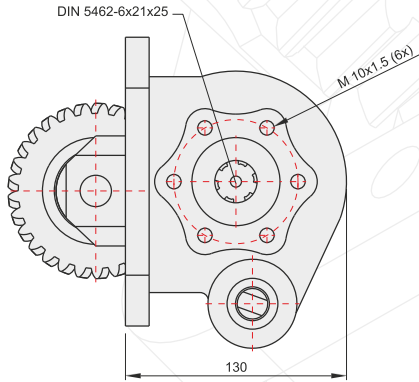
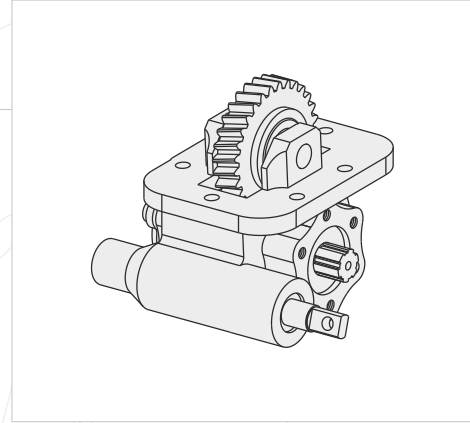
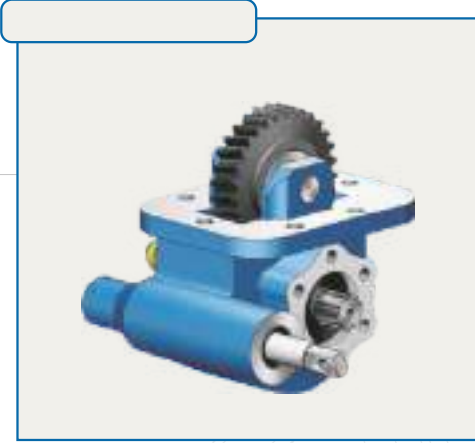
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MXA 5R

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromeç
1	6	Mixa-5r Alt Dişli
2	7	30205 Rulman
2	8	472-52 Segman
1	9	6x18 Alt Mil
1	10	Mixa-5r Üst Dişli
2	11	472-47 Segman

Adet	Parça No	Parça Adı
2	12	30204 Rulman
1	13	Üst Mil
1	14	M6x10 Setskur
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Cıvata
1	18	25x52x10 Keçe
3	19	M10x45 Saplama
9	20	M10 Somun
1	21	Conta
6	22	M10x1,5x1,25 Saplama
43		TOPLAM PARÇA SAYISI



POWER TAKE OFF

P.T.O.

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,3 Kgm	179,5 Nm
Güç(1000 rpm) / Power	15 Hp	11,2 Kw
Devir / Speed	600rpm	600 rpm
Oran / Ratio	1/1,36	1/1
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox
MXA-5R/ MXA-5S / MSA-5D / MSA-5S / MXA-6R / MXA-5C / MXA-5D

Kullanılan Bazı Araçlar / Used Vehicles
NKR WIDE LX 100 HP-4.3 NPR CHAMPION ISUZU / 3.2 NPR ISUZU / 3.2 NPR ISUZU NPR 66 / NHR 70 / NKR 66 / NKR 66E / NPR 66P / NPR 300-400-400S FRR500 / ISUZU ELF 250

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

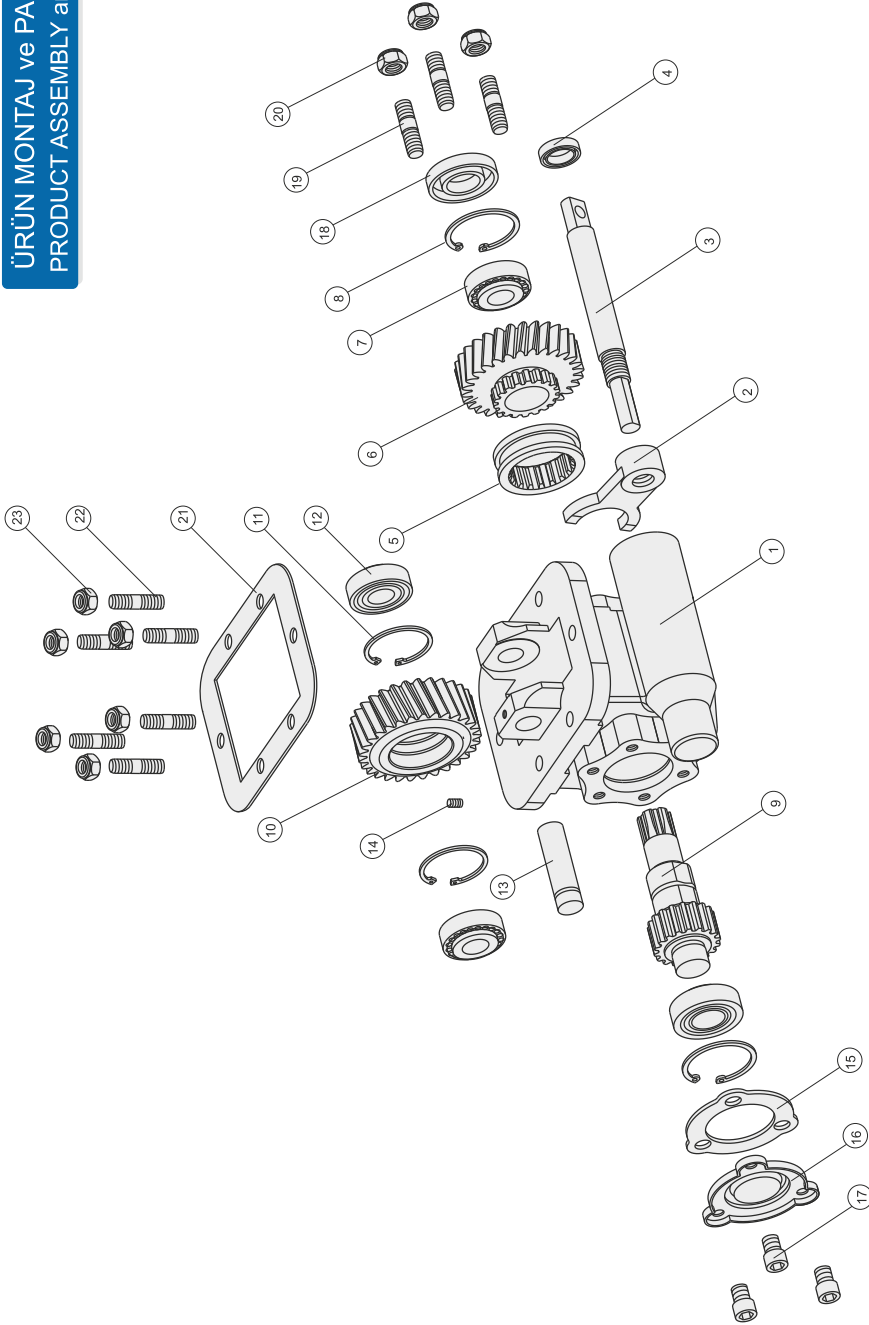
MK

ISUZU MOY CR

POWER TAKE OFF

P.T.O.

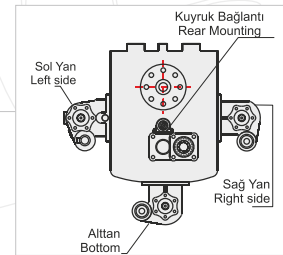
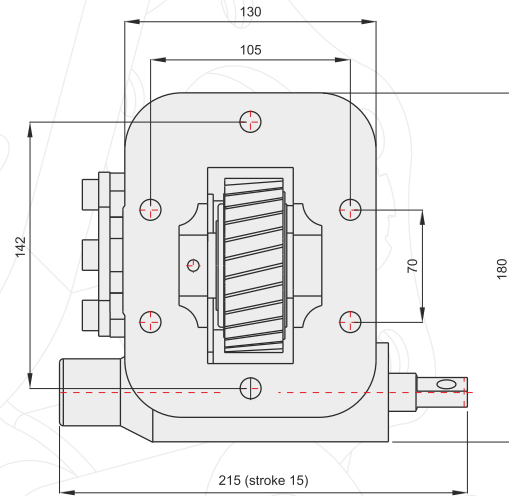
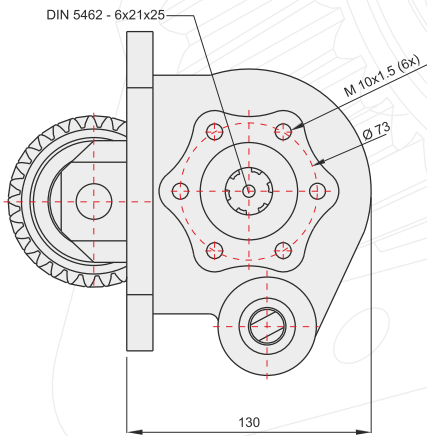
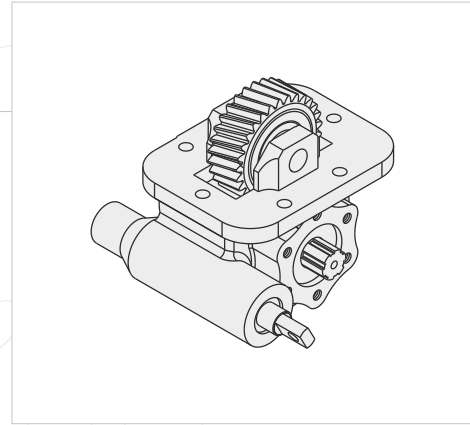
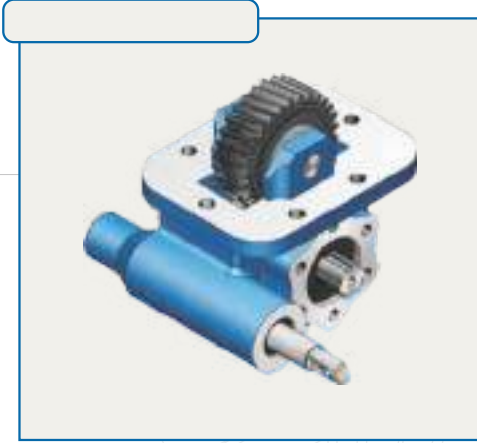
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MOY CR

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromec
1	6	Moy Cr Alt Dişli
2	7	30205 Rulman
2	8	472-52 Segman
1	9	6x18 Alt Mil
1	10	Moy Cr Üst Dişli
2	11	472-47 Segman
2	12	30204 Rulman
1	13	6x6 Alt Mil
1	14	Mbp 6p Üst Dişli
1	15	30204 Rulman
1	16	20.5x40x14 Pul
3	17	Üst Mil
1	18	20.5x40x11 Pul
3	19	M6x10 Setskur
9	20	Conta
1	21	Pto Yan Kapak
6	22	M10x16 Cıvata
43		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
2	12	30204 Rulman
1	13	6x6 Alt Mil
1	14	Mbp 6p Üst Dişli
1	15	30204 Rulman
1	16	20.5x40x14 Pul
3	17	Üst Mil
1	18	20.5x40x11 Pul
3	19	M6x10 Setskur
9	20	Conta
1	21	Pto Yan Kapak
6	22	M10x16 Cıvata
43		TOPLAM PARÇA SAYISI



### GENEL BİLGİLER/GENERAL DATA

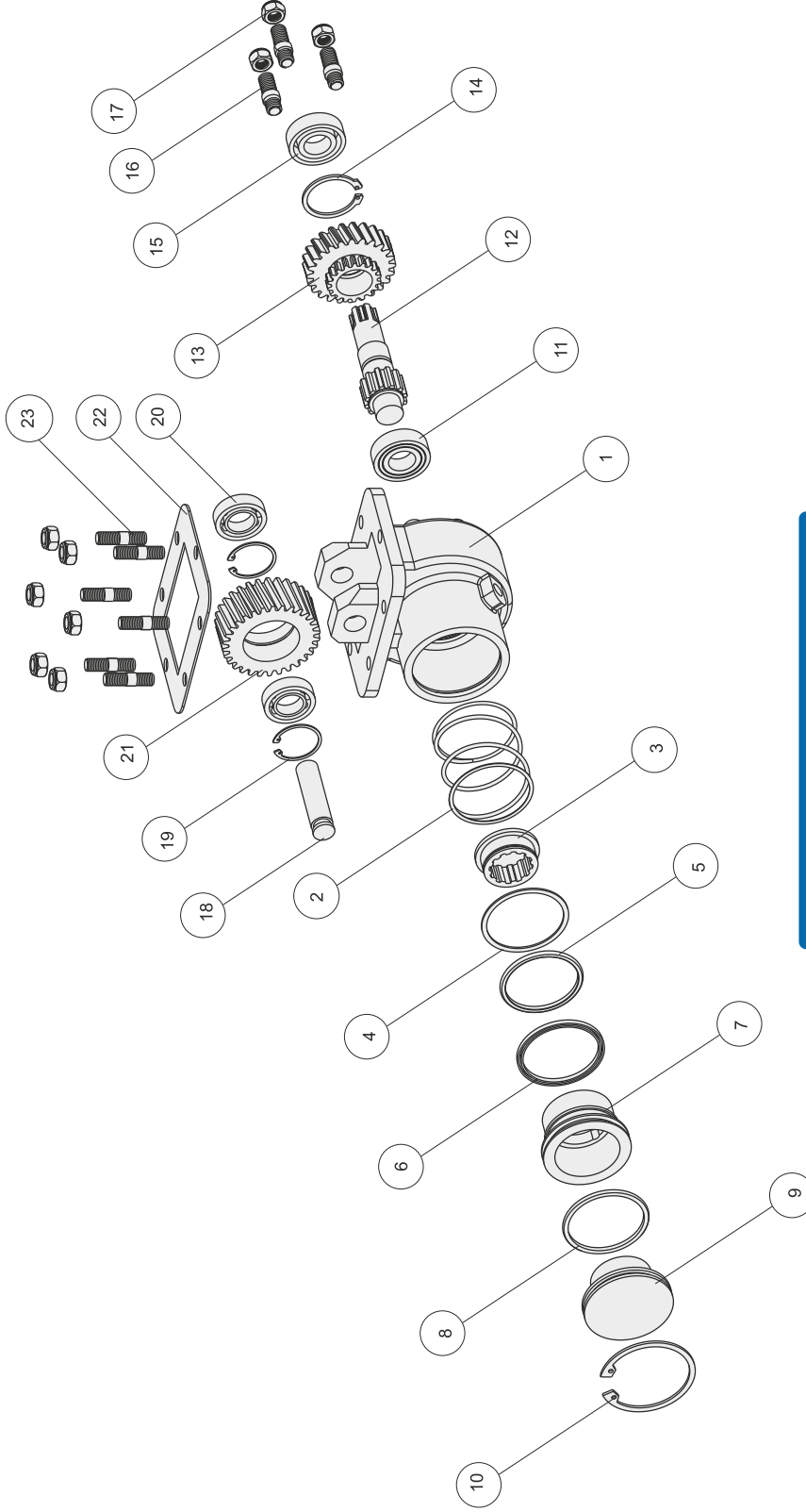
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23 Kgm	225 Nm
Güç(1000 rpm) / Power	29,4 Hp	22 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,03	1/1,03
Ağırlık / Weight	13 kg	28,6 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MOY-9F/MOY-9H/MOYCR	4,3 NPR 66-71-75-77 ISUZU CHAMPION (2005-2006) / NKR 250 / NKR 66 E2L

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

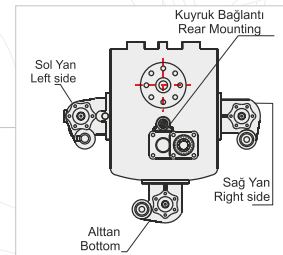
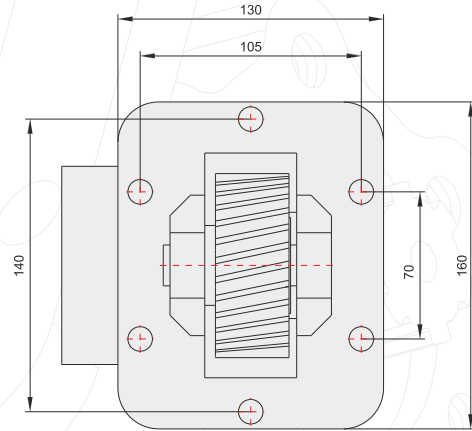
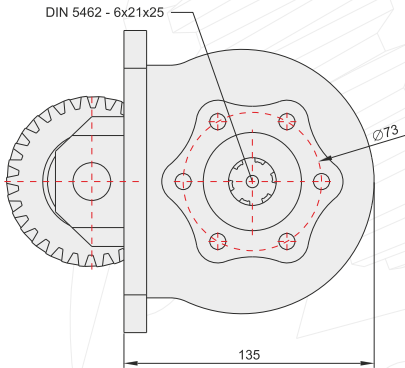
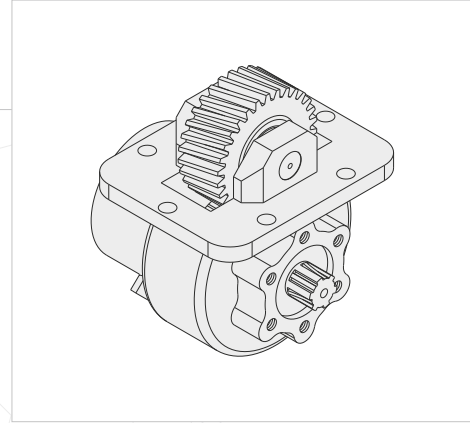
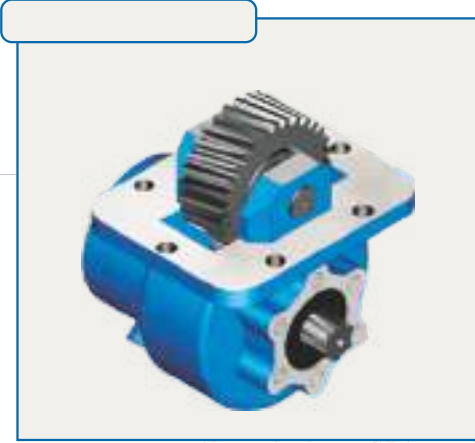
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MYY5T

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	V-Pro Kavrama
1	4	65,1x3,53 O-ring
1	5	72,15x81x1,7 Destek Ringi
1	6	70x80x3,25 Nutring
1	7	Vakum Pistonu
1	8	67x4 O-ring
1	9	Pto Yan Kapak
1	10	472-80 Segman
1	11	6005 Rulman

Adet	Parça No	Parça Adı
1	12	6x12 Mil
1	13	Moycr V-Alt Dişli
1	14	472-52 Segman
1	15	Conta
3	16	M10x45 Saplama
9	17	M10 Somun
1	18	Üst Mil
2	19	472-47 Segman
2	20	30204 Rulman
1	21	Moycr V-Üst Dişli
1	22	Conta
6	23	M10x1,5x1,25 Saplama
40	TOPLAM PARÇA SAYISI	


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	- Kgm	- Nm
Güç(1000 rpm) / Power	- Hp	- Kw
Devir / Speed	625 rpm	625 rpm
Oran / Ratio	1/1,03	1/1,03
Ağırlık / Weight	13 kg	28,65 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Vakumlu	Vacum
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

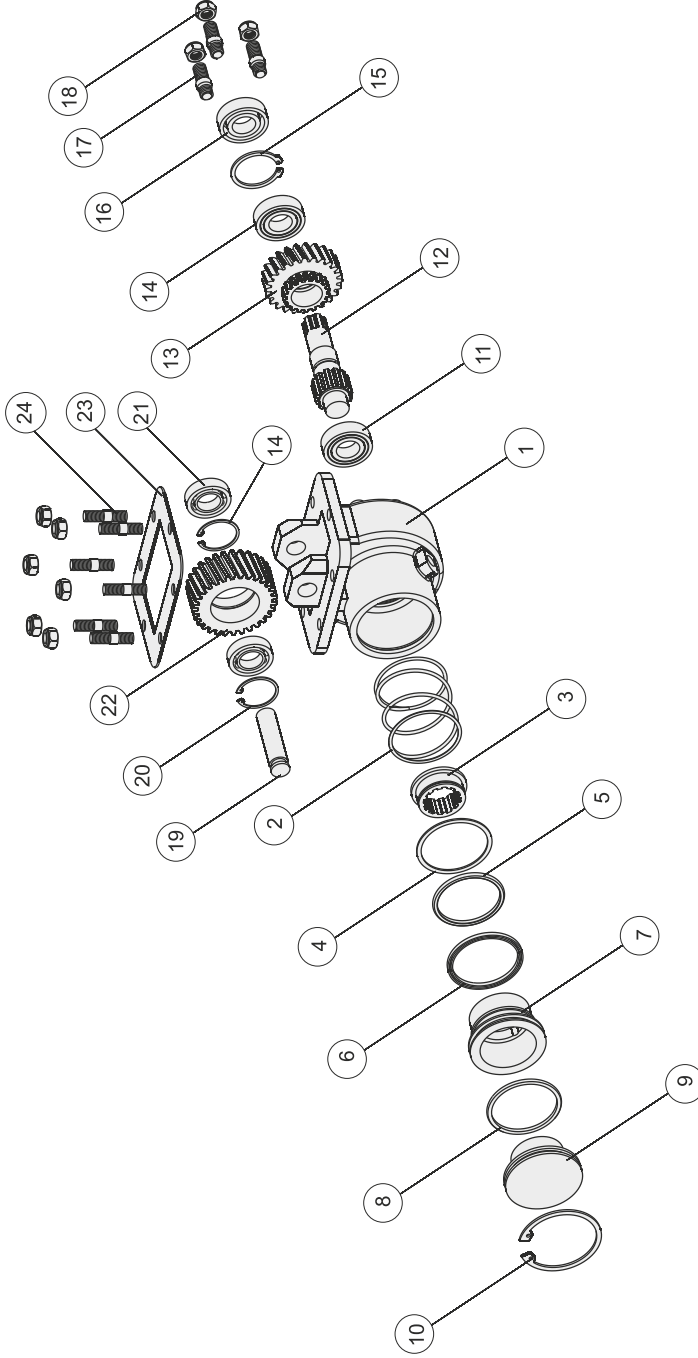
Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MY5T / MY6P / MY5A	4,3 NPR 70 ISUZU CHAMPION(2005) NKR 66 E-NPR 66 P-NQR 71 R

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.



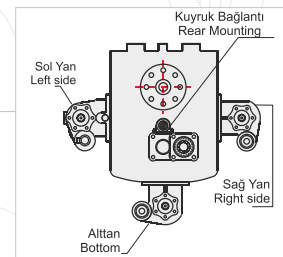
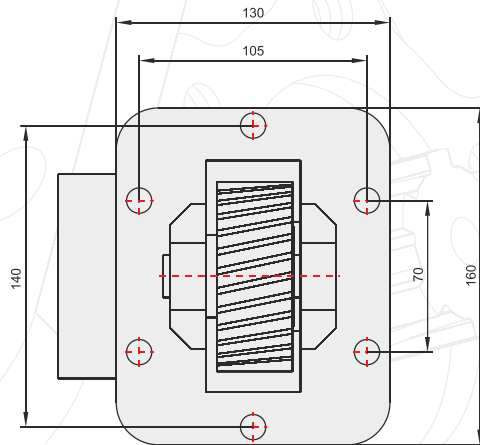
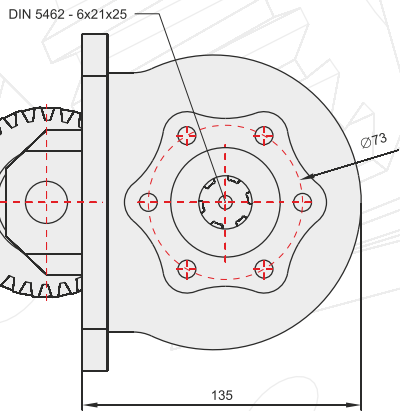
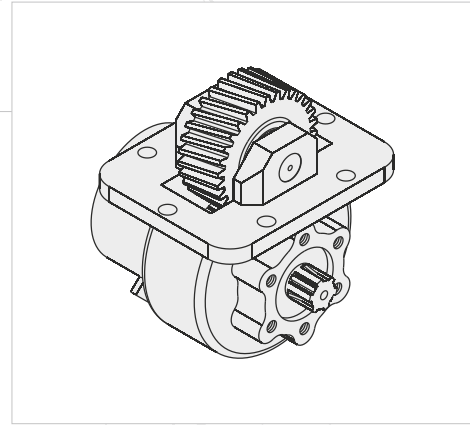
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MOY CR

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	V.Pto Kavrama
1	4	65,1x3,53 O-ring
1	5	72,15x81x1,7 Destek Ringi
1	6	70x80x3,25 Nutring
1	7	Vakum Pistonu
1	8	67x4 O-ring
1	9	Pto Yan Kapak
1	10	472-80 Segman
1	11	6005 Rulman

Adet	Parça No	Parça Adı
1	12	6x12 Mil
1	13	Myy5t V-Alt Dişli
1	14	6205 Rulman
1	15	472-52 Segman
1	16	25x52x10 Keçe
3	17	M10x45 Saplama
9	18	M10 Somun
1	19	Ust Mil
2	20	472-47 Segman
2	21	30204 Rulman
1	22	Myy5t V-Ust Dişli
1	23	Conta
6	24	M10x1,5x1,25 Saplama
41		TOPLAM PARÇA SAYISI



**GENEL BİLGİLER/GENERAL DATA**

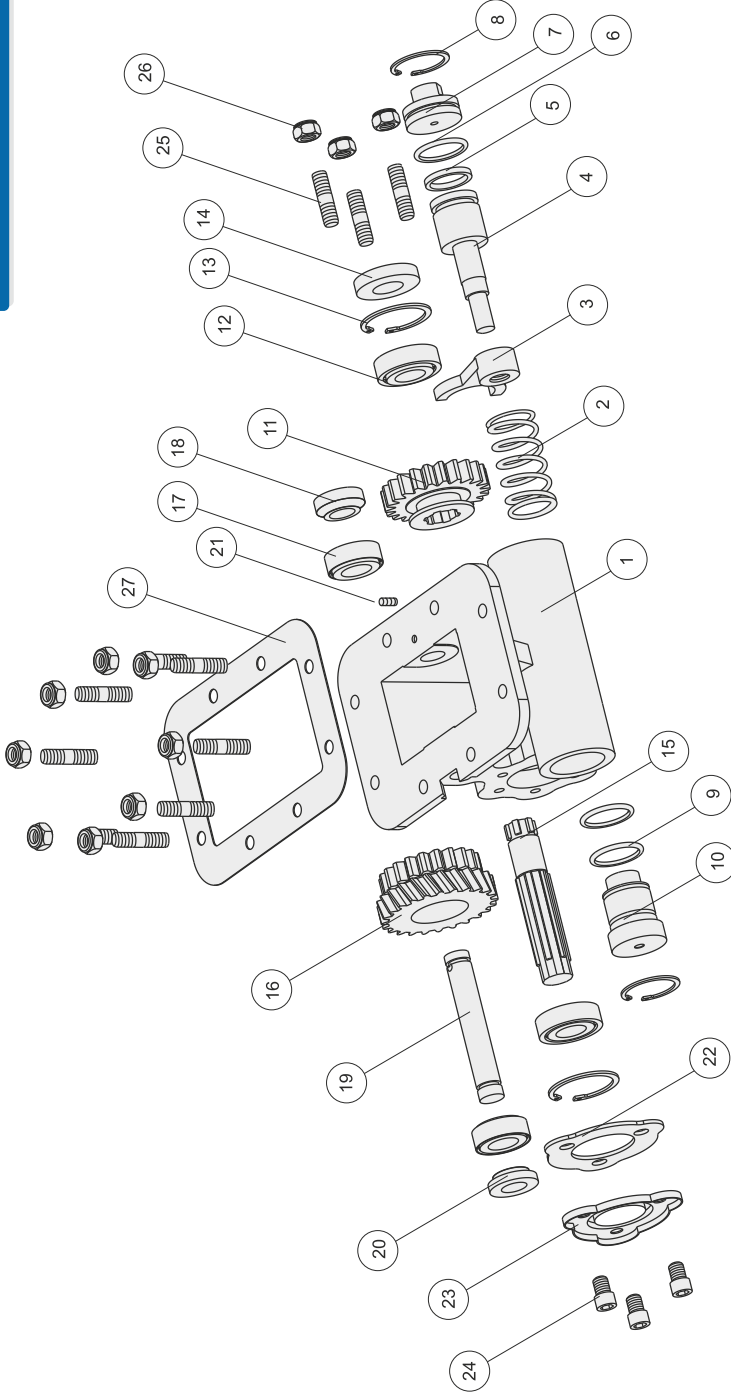
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	23 Kgm	225 Nm
Güç(1000 rpm) / Power	29,4 Hp	22 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,03	1/1,03
Ağırlık / Weight	13 kg	28,6 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Vakumlu	Vacuum
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MOY-9F/MOY-9H/MOYCR	4,3 NPR 66-71-75-77 ISUZU CHAMPION (2005-2006) / NKR 250 / NKR 66 E2L

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



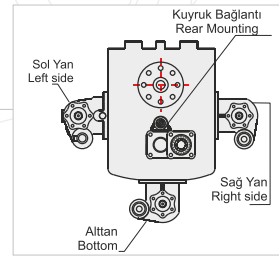
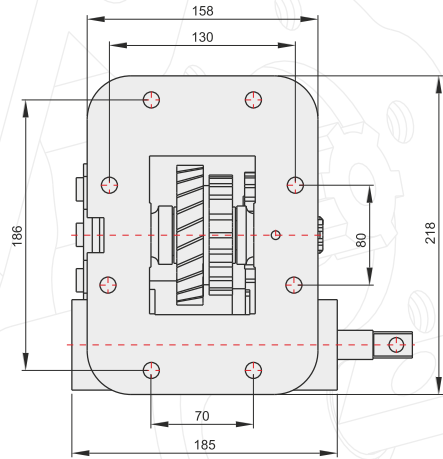
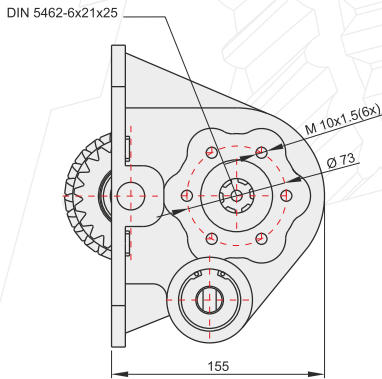
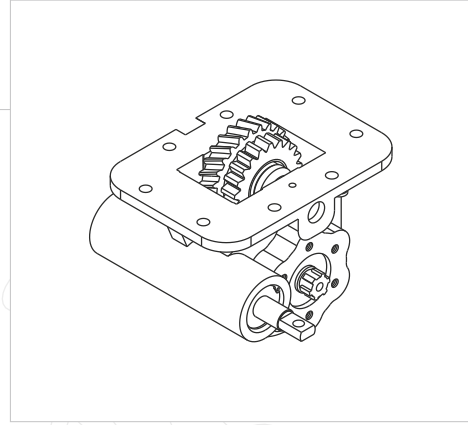
ISUZU MBP 6P

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	1	Gövde	1	15	6x6 Alt Mil
1	2	PNömatik Yay	1	16	Mbp 6p Üst Dişli
1	3	Hilal	2	17	30204 Rulman
1	4	PNömatik Mil	1	18	20,5x40x14 Pul
1	5	31x38x4,5 Nutring	1	19	Üst Mil
1	6	45.3x3 O-ring	1	20	20,5x40x11 Pul
1	7	PNömatik Kapak	1	21	M6x10 Setskur
2	8	472x45 Segman	1	22	Conta
2	9	38.3x3 O-ring	1	23	Pto Yan Kapak
1	10	PNömatik Kapak 2	3	24	M10x16 Cıvata
1	11	Mbp 6p Alt Dişli	11	25	M10x45 Saplama
2	12	60205 Rulman	11	26	M10 Somun
2	13	472-52 Segman	1	27	Conta
1	14	25x52x10 Keçe			

**ISUZU / MBP 6P**

POWER TAKE OFF

P.T.O.

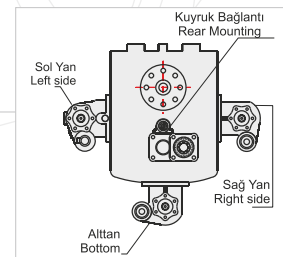
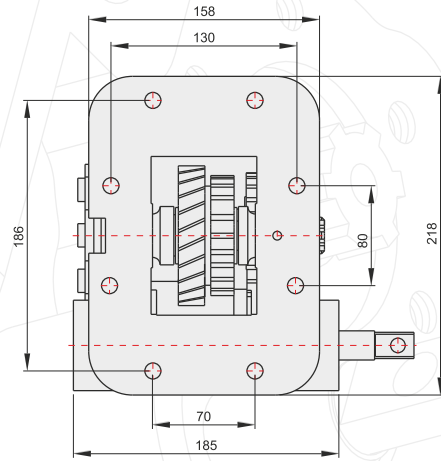
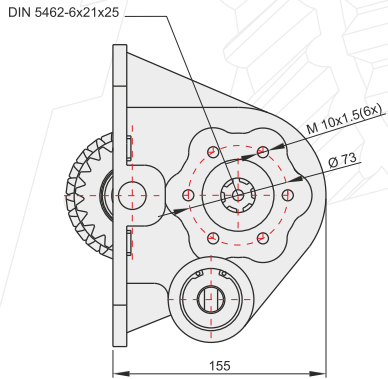
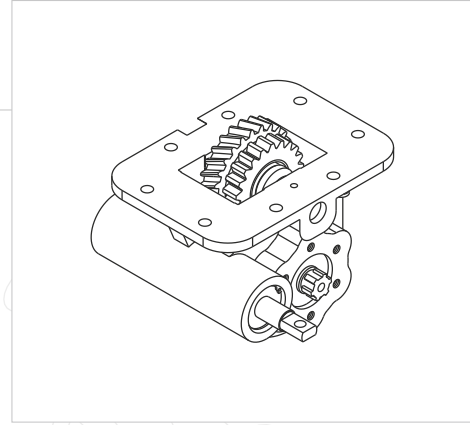

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18 Kgm	176,6 Nm
Güç(1000 rpm) / Power	14,2 Hp	10,6 Kw
Devir / Speed	550 rpm	550 rpm
Oran / Ratio	1/0,95	1/0,95
Ağırlık / Weight	13 kg	28,7 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MBP-6P/MBF-5C/MBG-6P-6Q/ MBD-5A	NQR 4,8 TURBO ISUZU / NQR 70 P

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

**ISUZU / MBP 6P**

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18 Kgm	176,6 Nm
Güç(1000 rpm) / Power	14,2 Hp	10,6 Kw
Devir / Speed	550 rpm	550 rpm
Oran / Ratio	1/0,95	1/0,95
Ağırlık / Weight	13 kg	28,7 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MBP-6P/MBF-5C/MBG-6P-6Q/ MBD-5A	NQR 4,8 TURBO ISUZU / NQR 70 P

Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

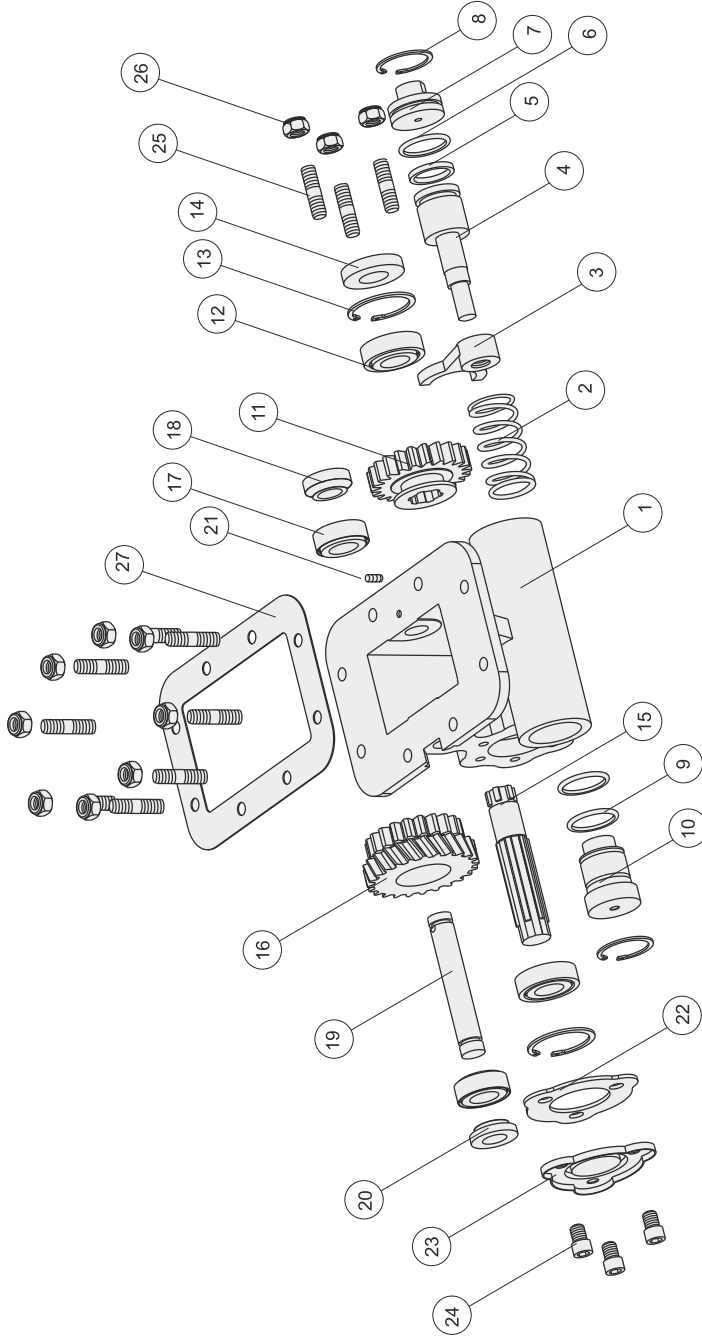
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

**POWER TAKE OFF**
**P.T.O.**

POWER TAKE OFF

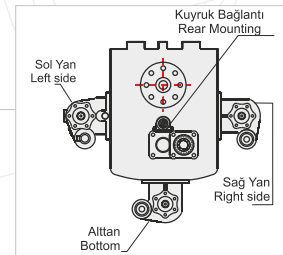
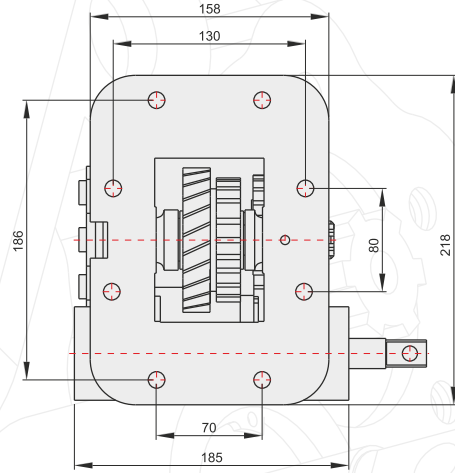
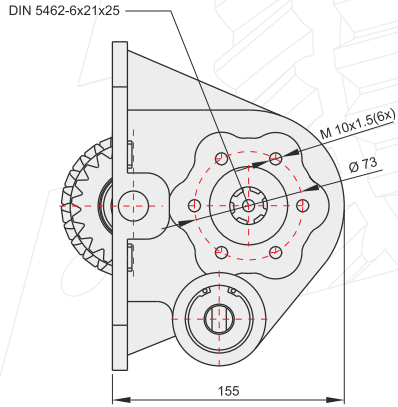
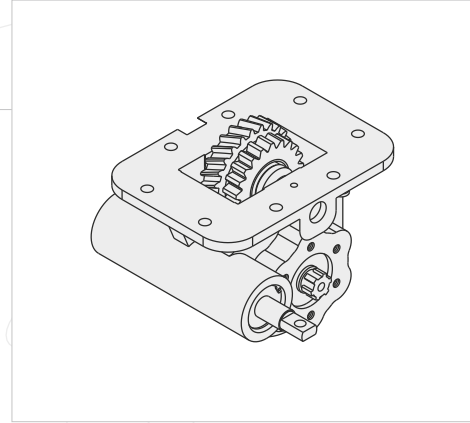
P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



ISUZU MOZ 06

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	1	Gövde	1	15	6x6 Alt Mil
1	2	Prömatik Yay	1	16	Moz 06 Üst Dişli
1	3	Hilal	2	17	30204 Rulman
1	4	Prömatik Mil	1	18	20.5x40x14 Pul
1	5	31x38x4.5 Nutring	1	19	Üst Mil
1	6	45.3x3 O-ring	1	20	20.5x40x11 Pul
1	7	Prömatik Kapak	1	21	M6x10 Setskur
2	8	472x45 Segman	1	22	Conta
2	9	38.3x3 O-ring	1	23	Pto Yan Kapak
1	10	Prömatik Kapak 2	3	24	M10x16 Cıvata
1	11	Moz 06 Alt Dişli	11	25	M10x45 Saplama
2	12	60205 Rulman	11	26	M10 Somun
2	13	472-52 Segman	1	27	Conta
1	14	25x52x10 Keçe			



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21,6 Kgm	212 Nm
Güç(1000 rpm) / Power	27,6 Hp	20,6 Kw
Devir / Speed	700 rpm	700 rpm
Oran / Ratio	1/0,95	1/0,95
Ağırlık / Weight	14 kg	30,86 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MOZ-06 / MZZ-6U / MZZ-6W / MZZ-5L / MZZ-6C	NQR 4,8 3D TURBO ISUZU (2005)

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

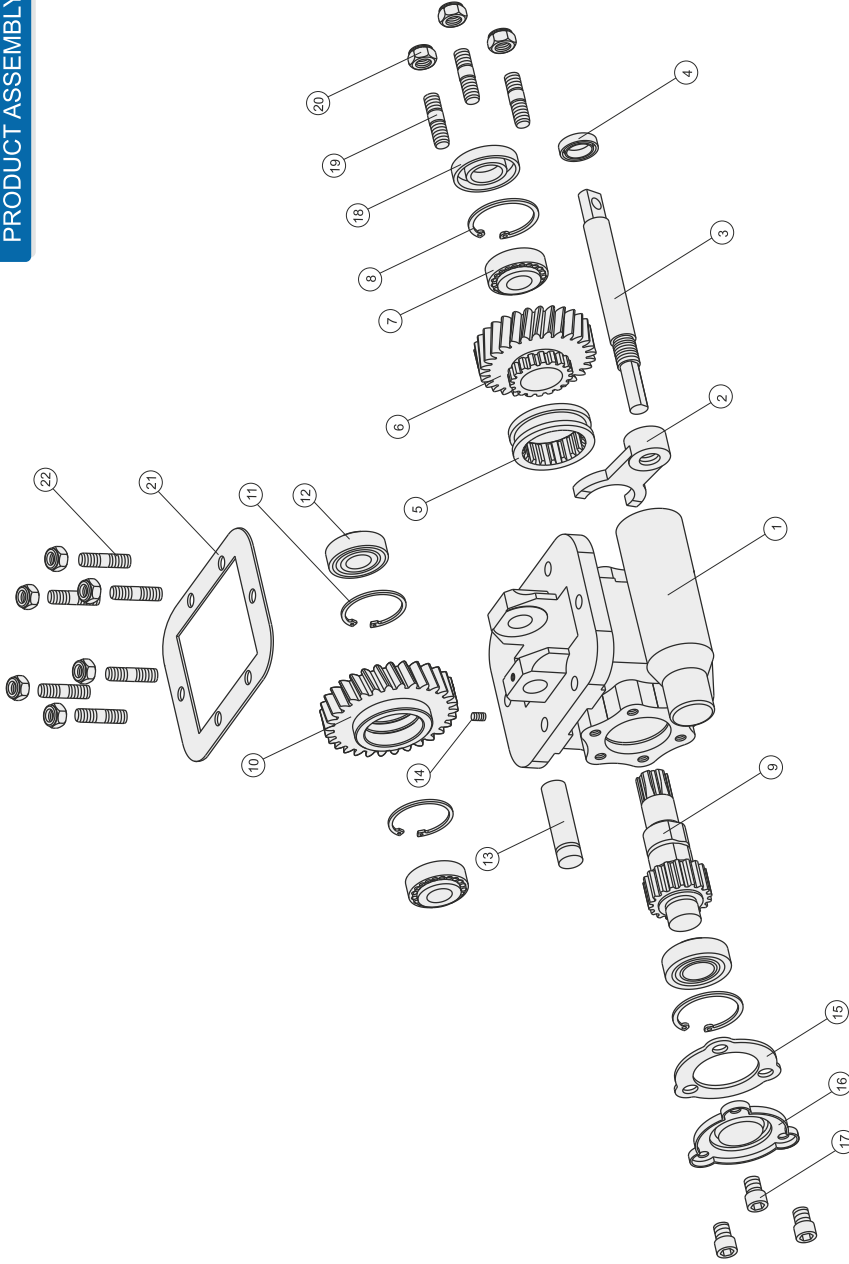
MK

ISUZU HINO

POWER TAKE OFF

P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

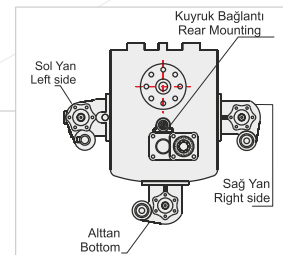
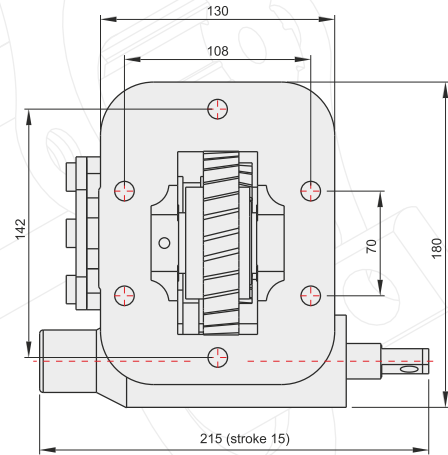
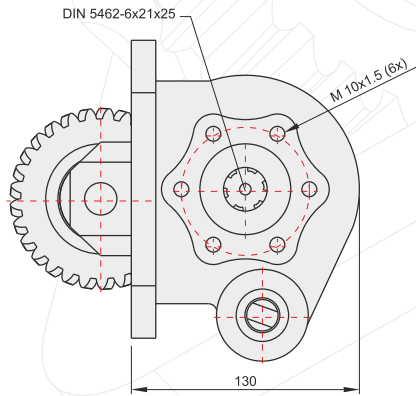
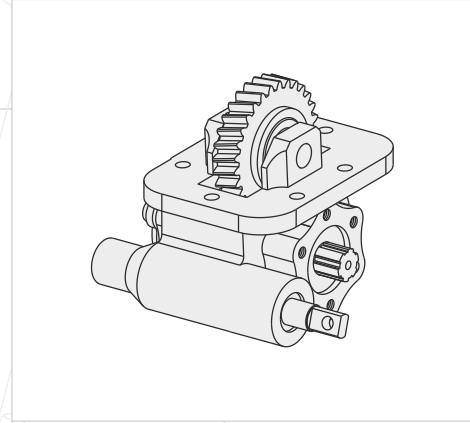
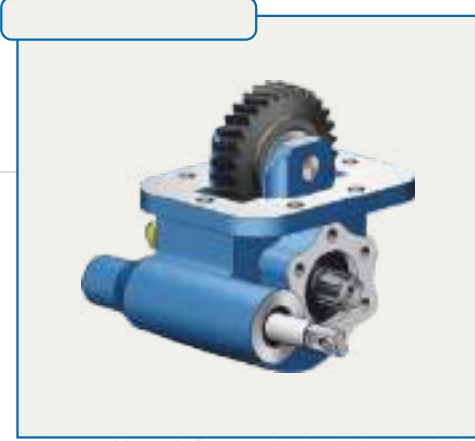


ISUZU HINO

Adet	Parça No	Parça Adı
2	12	30204 Rulman
1	13	Ust Mil
1	14	M6x10 Setiskur
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Civata
1	18	25x52x10 Keçe
3	19	M10x45 Sapalama
9	20	M10 Somun
1	21	Conta
6	22	M10x1,5x1,25 Saplama
43	TOPLAM PARÇA SAYISI	

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromeç
1	6	Hino Alt Dişli
2	7	30205 Rulman
2	8	472-52 Segman
1	9	6x18 Alt Mil
1	10	Hino Ust Dişli
2	11	472-47 Segman




**GENEL BİLGİLER/GENERAL DATA**

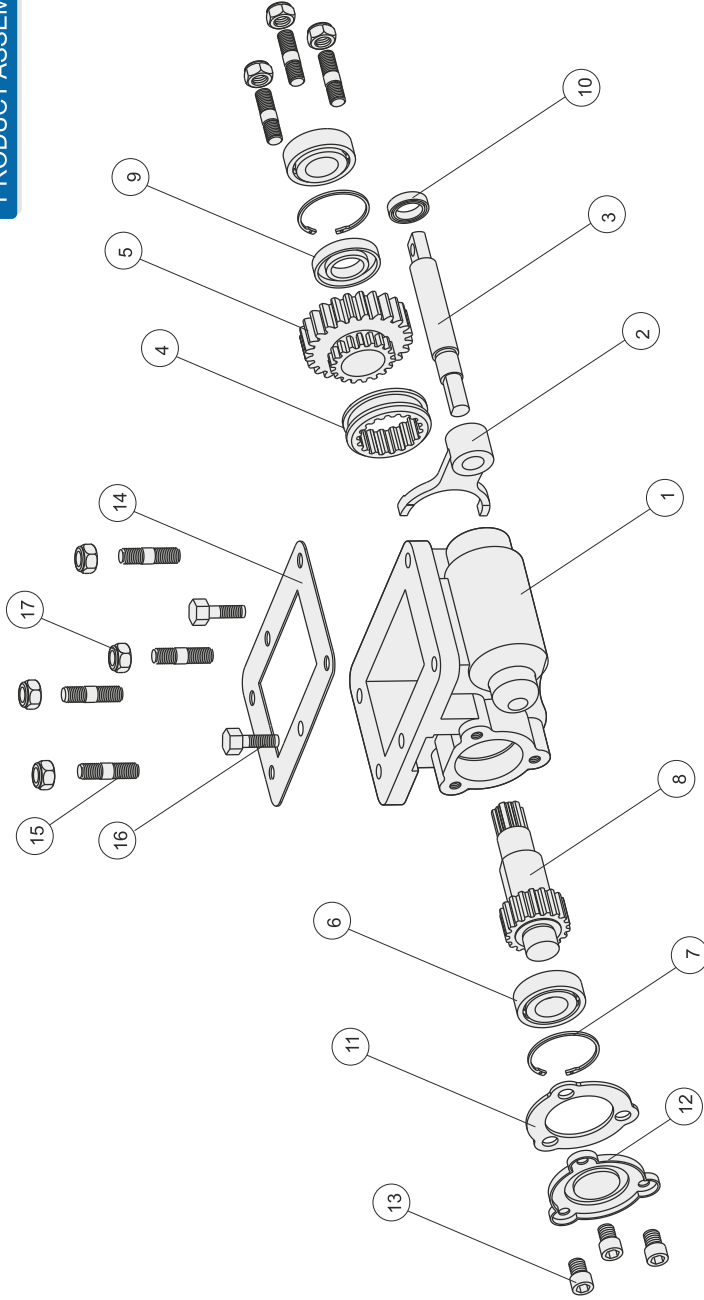
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,6 Kgm	182,4 Nm
Güç(1000 rpm) / Power	15,4 Hp	11,5 Kw
Devir / Speed	600 rpm	600 rpm
Oran / Ratio	1/1,28	1/1,28
Ağırlık / Weight	11 kg	24,3lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
33111-2065 / 08 V 0484 / 07 L 108 LE 05 S / LH 06 S	HINA L 100 / FB 112 SA 11Y0563

Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

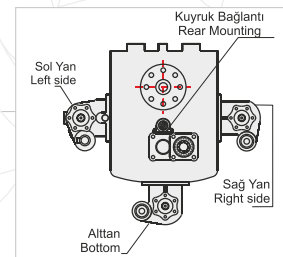
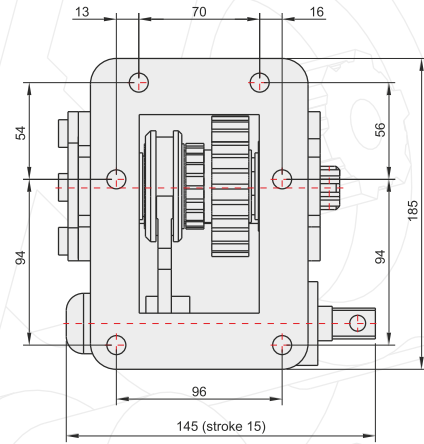
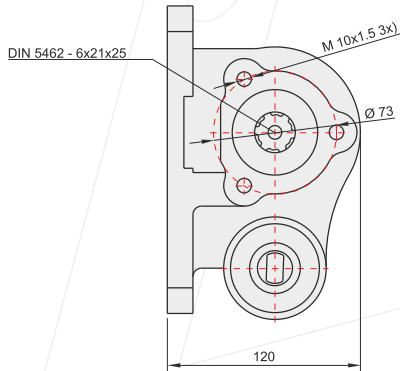
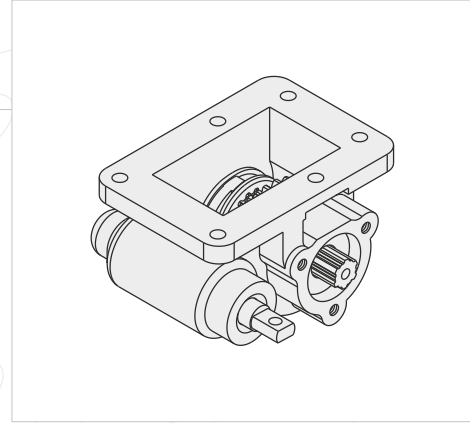
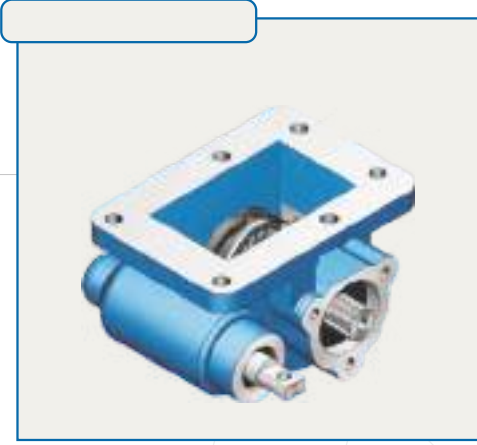
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI M1S5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	Senkromerç
1	5	M1S5 Dişli
2	6	30205 Rulman
2	7	472-52 Segman
1	8	6x18 Mil
1	9	25x52x10 Keçe
1	10	20x30x7 Keçe
1	11	Conta
1	12	Pto Yan Kapak
3	13	M10x16 Cıvata
1	14	Conta
7	15	M10x45 Saplama
2	16	M10x30 Cıvata
7	17	M10 Somun
34		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,2 Kgm	178,5 Nm
Güç(1000 rpm) / Power	9,4 Hp	7 Kw
Devir / Speed	375 rpm	375 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
M15S-M2S5-M3S5	444-449 CANTER MITSUBISHI (704) / H350/ 3F 412 / HD35 -HD50-65-72-77 HYUNDAI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

MK

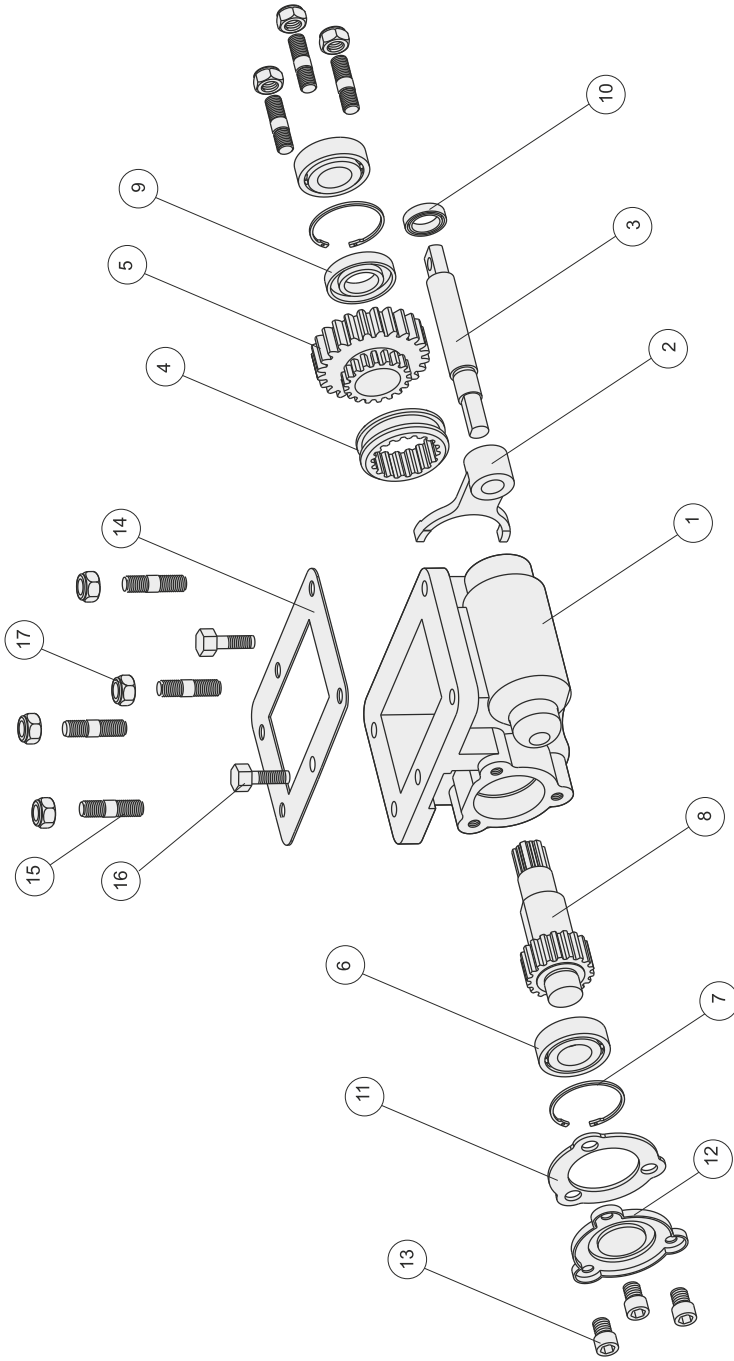
MITSUBISHI

MO15S5

POWER TAKE OFF

P.T.O.

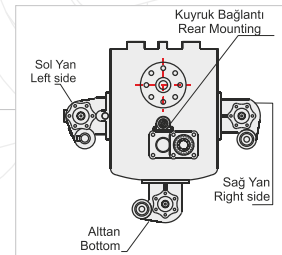
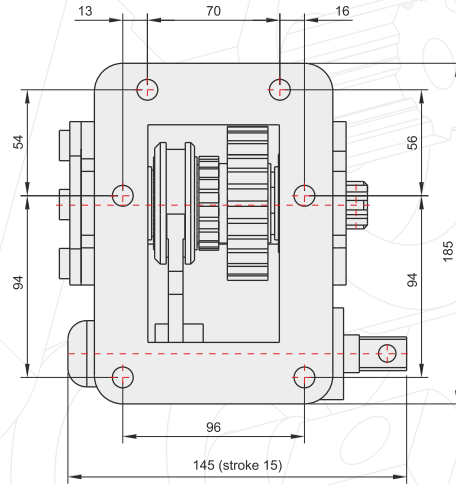
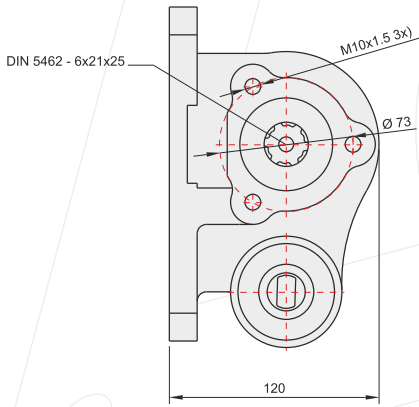
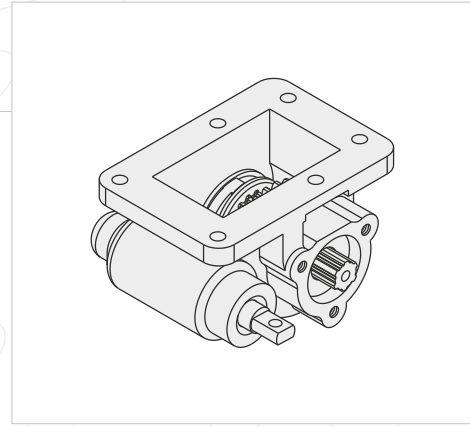
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO15S5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kurmanda Mili
1	4	Senkromeç
1	5	Mo15s5 Dişli
2	6	30205 Rulman
2	7	472-52 Segman
1	8	6x18 Mil
1	9	25x52x10 Keçe

Adet	Parça No	Parça Adı
1	10	20x30x7 Keçe
1	11	Conta
1	12	Pto Yan Kapak
3	13	M10x16 Civata
1	14	Conta
7	15	M10x45 Saplama
2	16	M10x30 Civata
7	17	M10 Somun
34		


**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE	50712512	
Tork / Torque	24 Kgm	235,5 Nm
Güç(1000 rpm) / Power	11,7 Hp	8,7 Kw
Devir / Speed	375 rpm	375 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 15 S 5	FE 511-711 MITSUBISHI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

MK

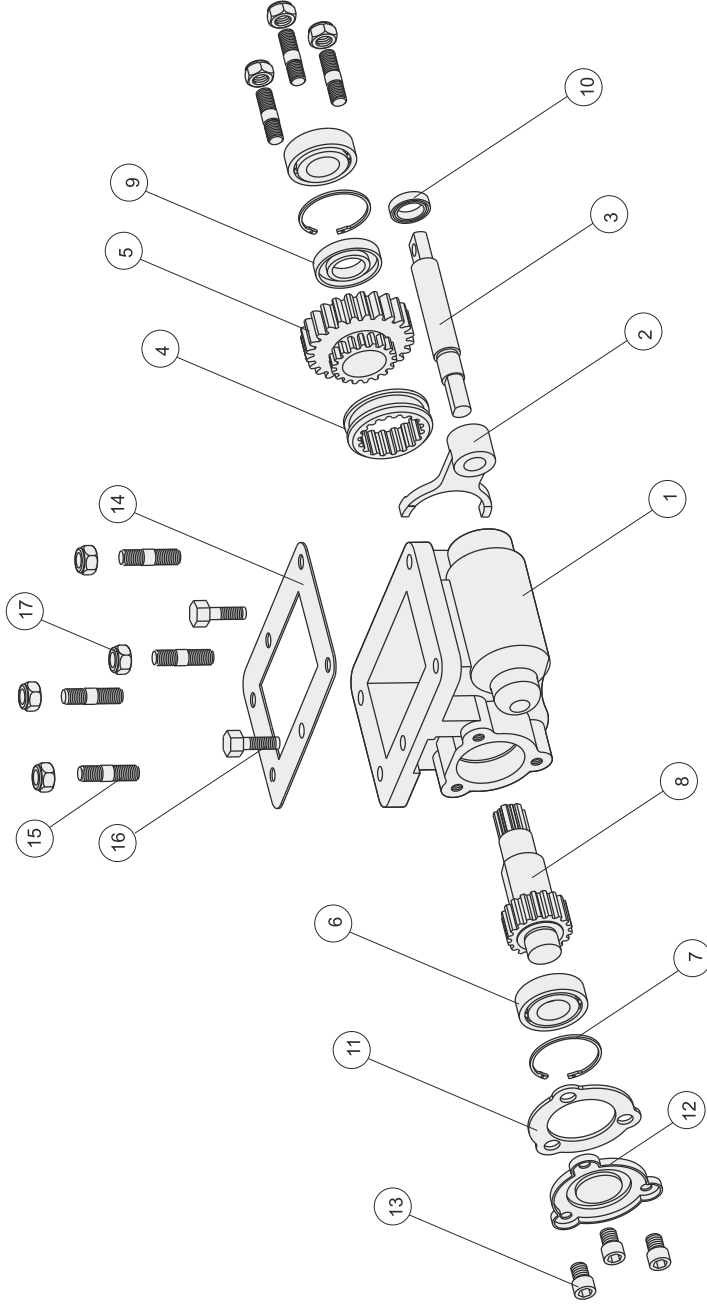
MITSUBISHI

MO25S5

POWER TAKE OFF

P.T.O.

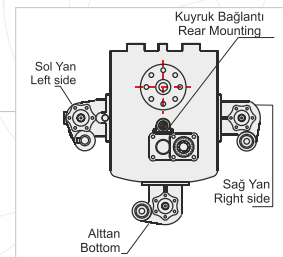
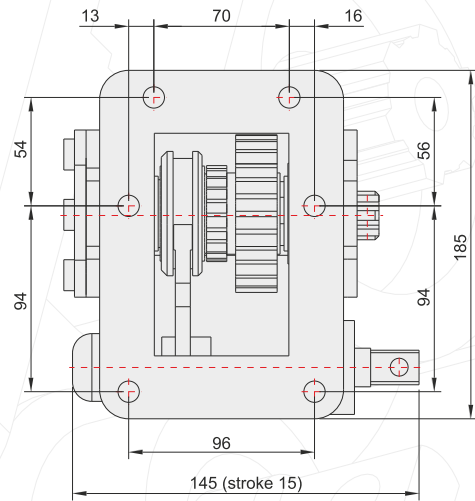
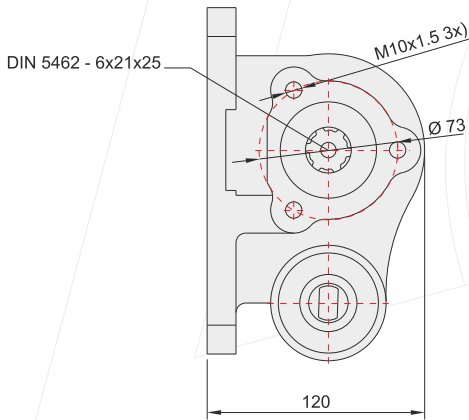
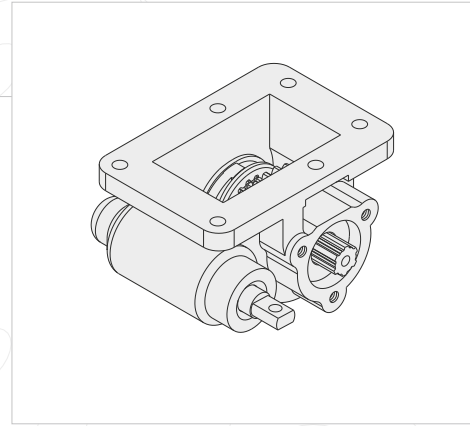
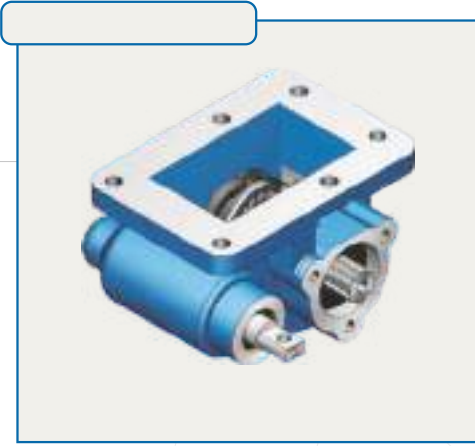
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO25S5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	Senkromeç
1	5	Mo25s5 Dişli
2	6	30205 Rulman
2	7	472-52 Segman
1	8	6x18 Mil
1	9	25x52x10 Keçe

Adet	Parça No	Parça Adı
1	10	20x30x7 Keçe
1	11	Conta
1	12	Pto Yan Kapak
3	13	M10x16 Civata
1	14	Conta
7	15	M10x45 Saplama
2	16	M10x30 Civata
7	17	M10 Somun
34		


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21,1 Kgm	207 Nm
Güç(1000 rpm) / Power	10,2 Hp	7,6 Kw
Devir / Speed	350 rpm	350 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 25 S 5	635 FE 515-FE-519 FE-FE 534- FE 544 -FB 634-FE 639 C-839-859 G MITSUBISHI (739) FE 130 C1 CANTER 2.0 SUPER LOW

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

**POWER TAKE OFF**
**P.T.O.**

MK

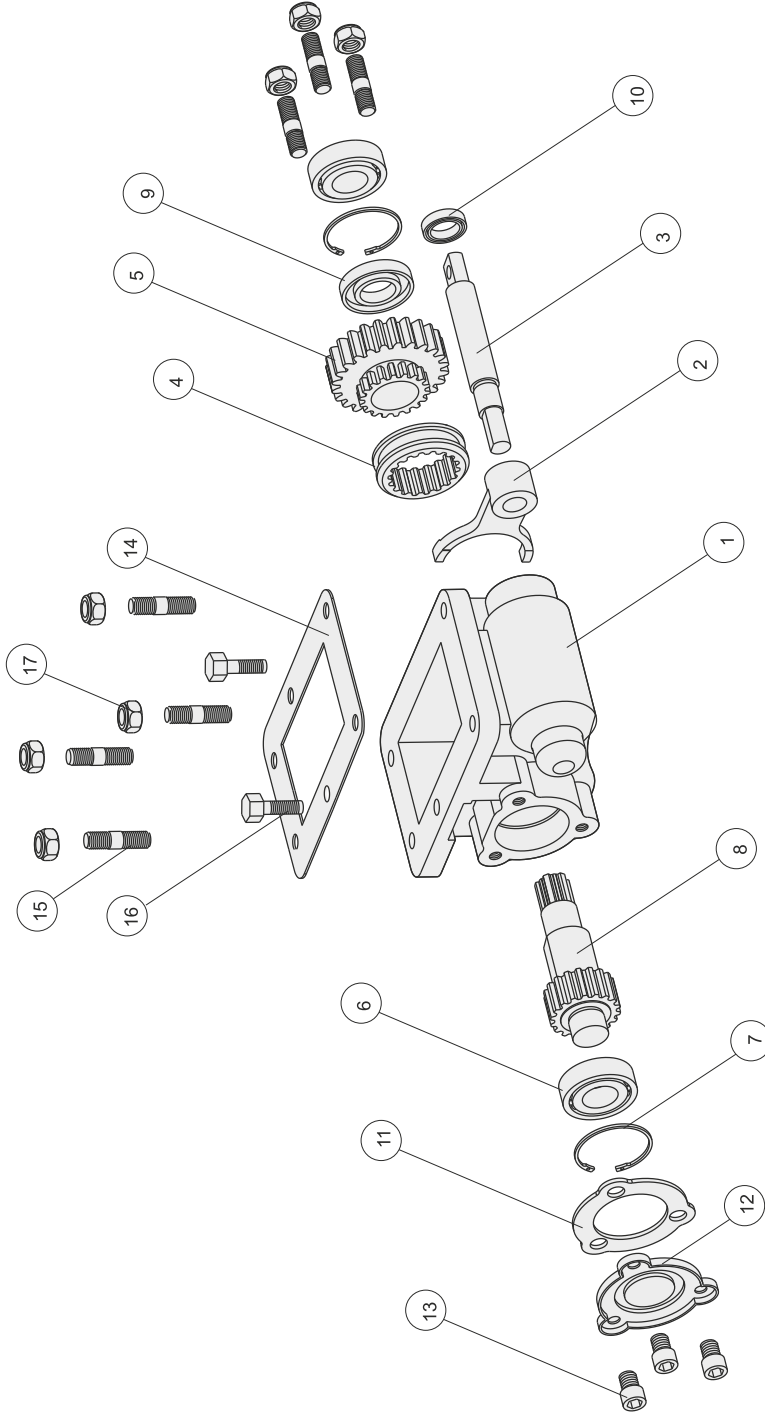
MITSUBISHI

MO35S5

POWER TAKE OFF

P.T.O.

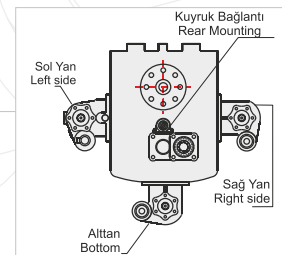
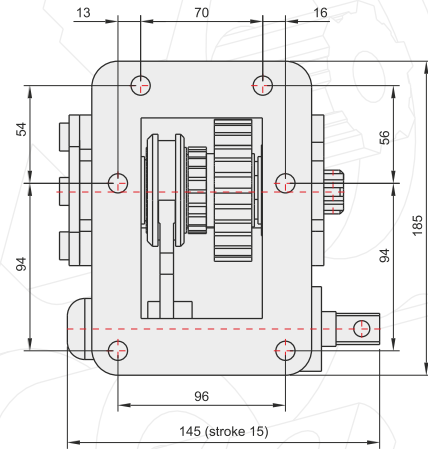
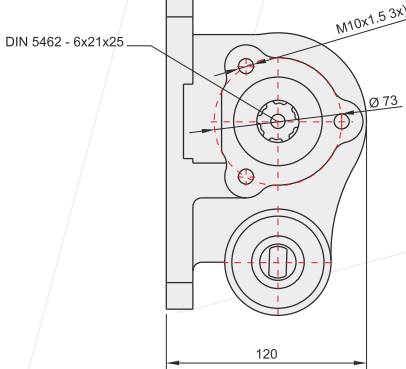
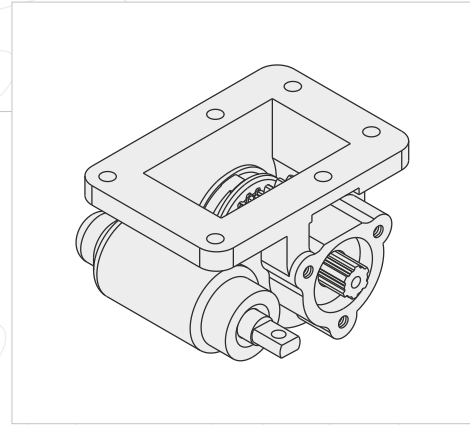
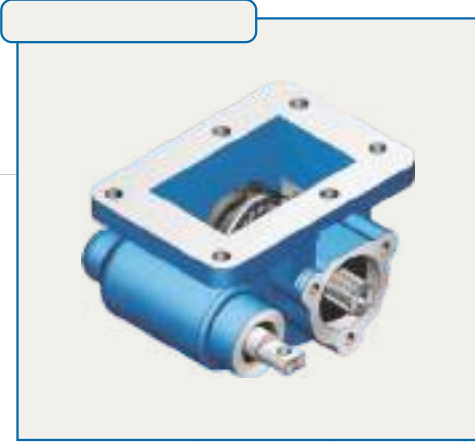
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO35S5

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	10	20x30x7 Keçe	1	10	20x30x7 Keçe
1	11	Conta	1	11	Conta
1	12	Pto Yan Kapak	1	12	Pto Yan Kapak
3	13	M10x16 Civata	3	13	M10x16 Civata
1	14	Conta	1	14	Conta
7	15	M10x45 Saplama	7	15	M10x45 Saplama
2	16	M10x30 Civata	2	16	M10x30 Civata
7	17	M10 Somun	7	17	M10 Somun
34			34		




**GENEL BİLGİLER/GENERAL DATA**

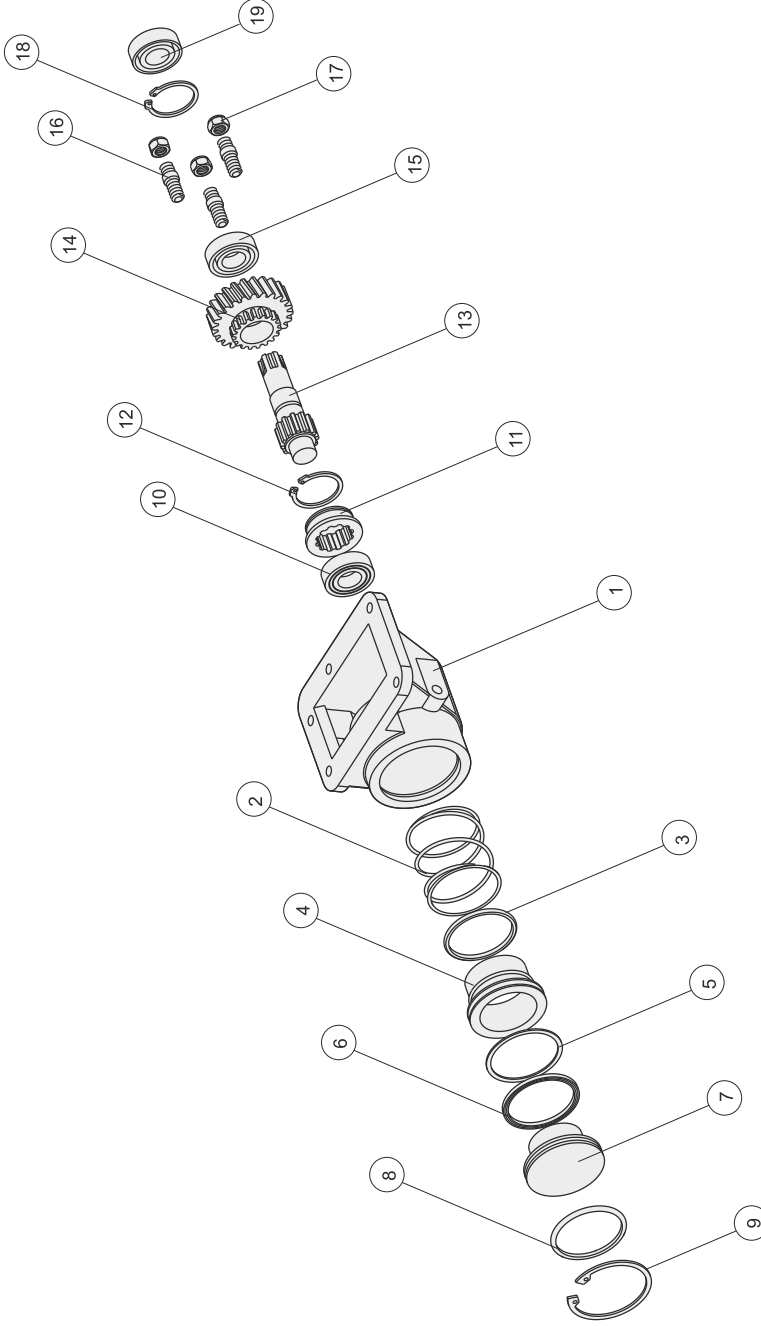
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24,2 Kgm	237,4 Nm
Güç(1000 rpm) / Power	11,7 Hp	8,7 Kw
Devir / Speed	350 rpm	350 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 35 S 5 / MO 35 T3	FE694-659-FE 859 E MITSUBISHI (722) FE 150C1-150E1-FE150E2 CANTER2.0T / WIDE CAB FG 145C1 4x4 CANTER 2,5-FE 150W1 3,5T 150G1 4T-150G2 4,5T

Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

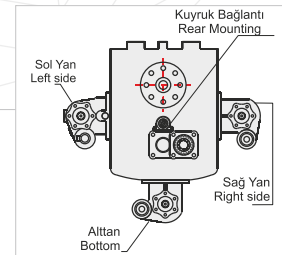
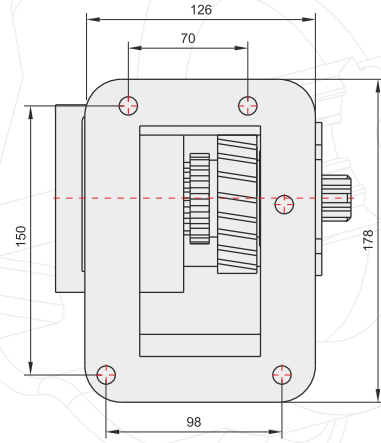
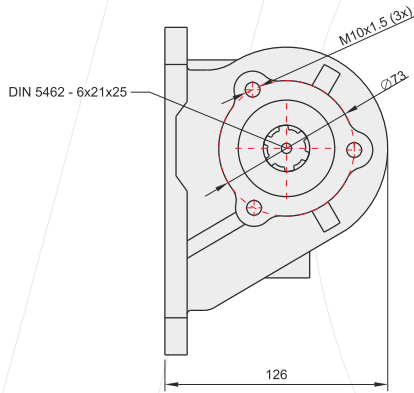
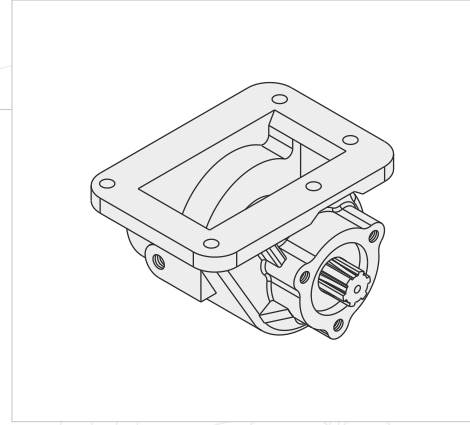
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO15S5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	65.1x3.53 O-ring
1	4	Vakum Pistonu
1	5	72.15x81x1.7 Destek Ringi
1	6	70x80x3.25 Nutring
1	7	Pto Yan Kapak
1	8	67x4 O-ring
1	9	472x80 Segman
1	10	6005 Rulman

Adet	Parça No	Parça Adı
1	11	Senkromeç
1	12	471-50 Segman
1	13	6x12 Mil
1	14	Mo15s5 V-Dişli
1	15	6205 Rulman
3	16	M10x45 Saplama
3	17	M10 Somun
1	18	472-52 Segman
1	19	25x52x10 Keçe
23		


**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24 Kgm	235,5 Nm
Güç(1000 rpm) / Power	11,7 Hp	8,7 Kw
Devir / Speed	375 rpm	375 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Vakumlu	Vacuum
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 15 S 5	FE 511-711 MITSUBISHI

Seçeceğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

VK

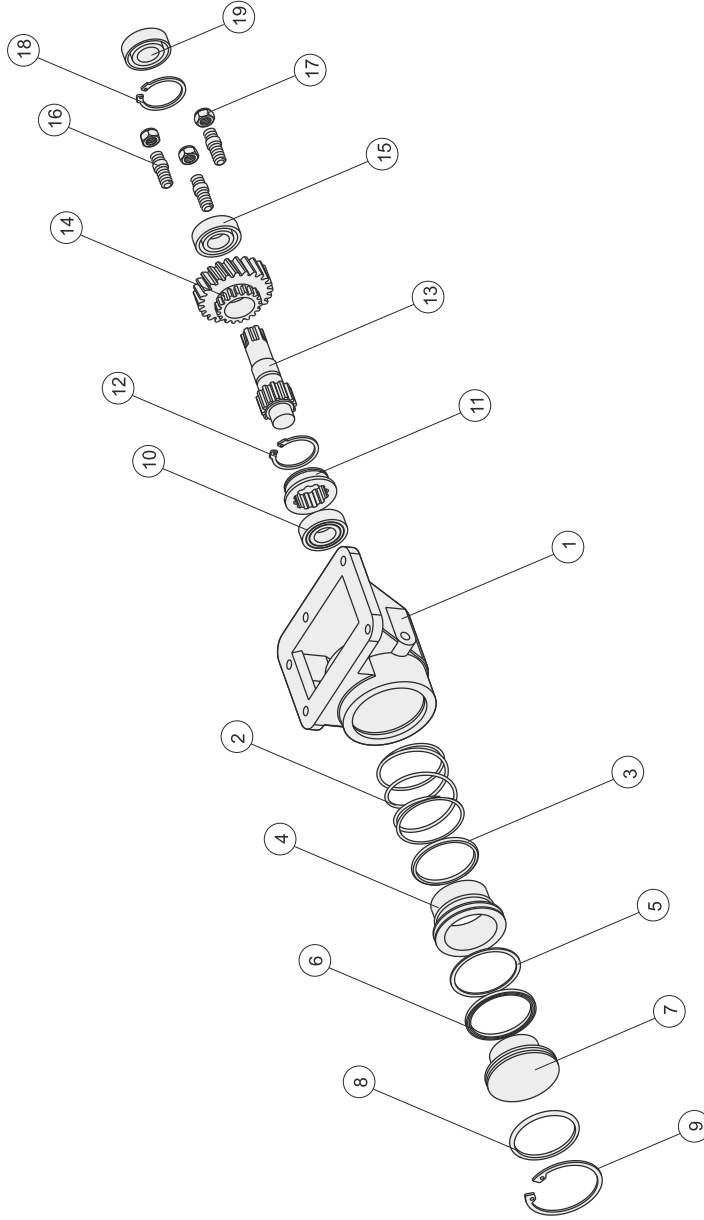
MITSUBISHI

MO25S5

POWER TAKE OFF

P.T.O.

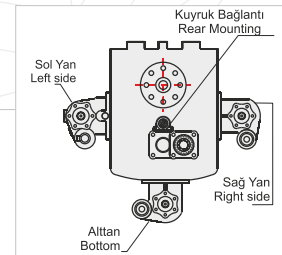
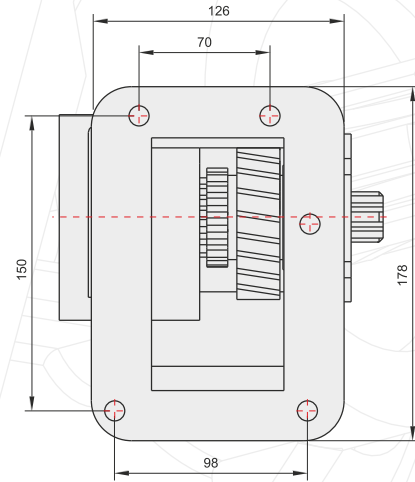
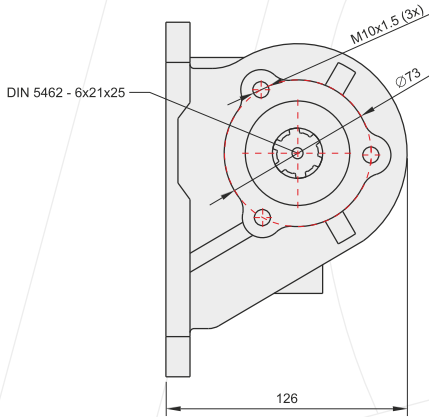
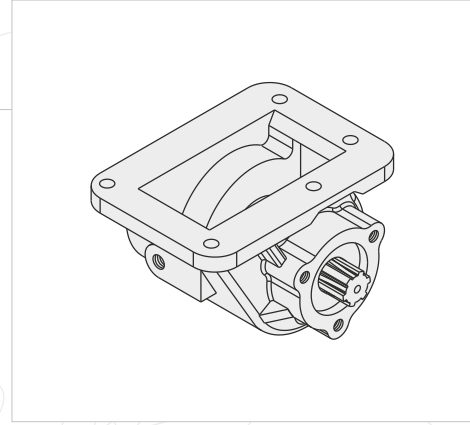
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO25S5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	65.1x3.53 O-ring
1	4	Vakum Pistonu
1	5	72.15x81x1.7 Destek Ringi
1	6	70x80x3.25 Nutring
1	7	Pto Yan Kapak
1	8	67x4 O-ring
1	9	472x80 Segman
1	10	6005 Rulman
1	11	Senkromeç
1	12	471-50 Segman
1	13	6x12 Mil
1	14	Mo25s5 V-Dişli
1	15	6205 Rulman
3	16	M10x45 Saplama
3	17	M10 Somun
1	18	472-52 Segman
1	19	25x52x10 Keçe
23		

Adet	Parça No	Parça Adı
1	11	Senkromeç
1	12	471-50 Segman
1	13	6x12 Mil
1	14	Mo25s5 V-Dişli
1	15	6205 Rulman
3	16	M10x45 Saplama
3	17	M10 Somun
1	18	472-52 Segman
1	19	25x52x10 Keçe
23		



POWER TAKE OFF

P.T.O.

GENEL BİLGİLER/GENERAL DATA

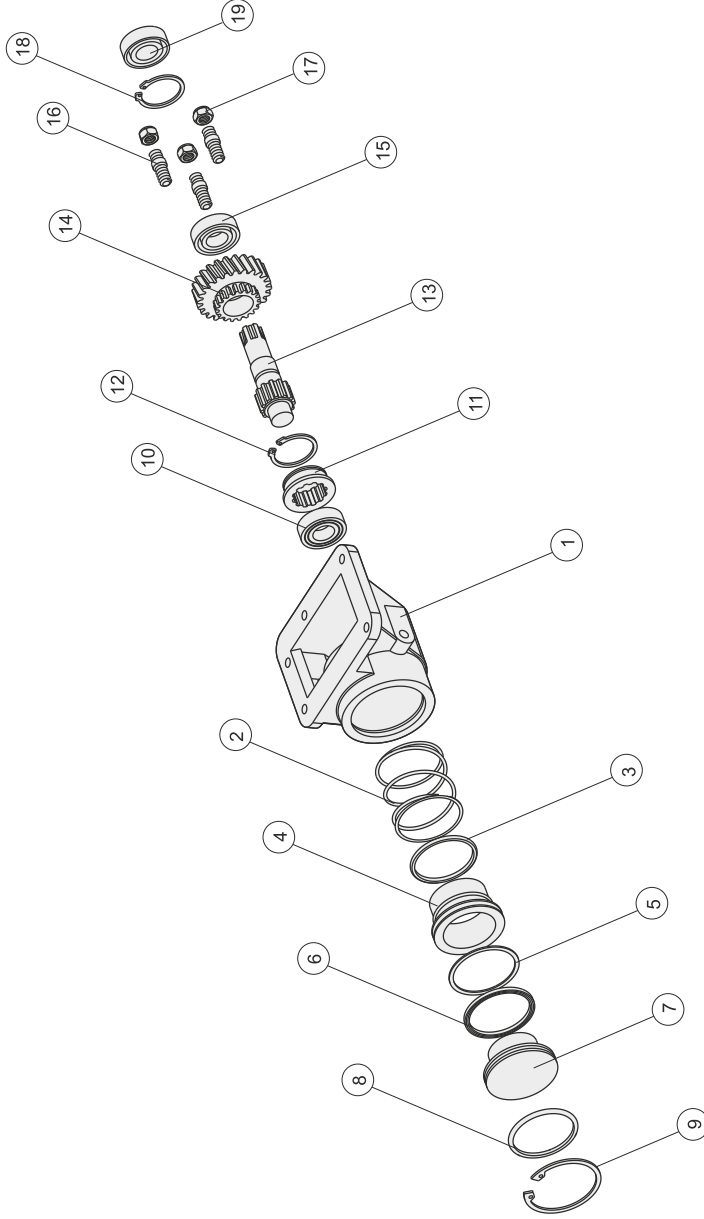
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21,1 Kgm	207 Nm
Güç(1000 rpm) / Power	10,2 Hp	7,6 Kw
Devir / Speed	350 rpm	350 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Vakumlu	Vacuum
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 25 S 5	635 FE 515-FE-519 FE-FE 534- FE 544 -FB 634-FE 639 C-839-859 G MITSUBISHI (739) FE 130 C1 CANTER 2.0 SUPER LOW

Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

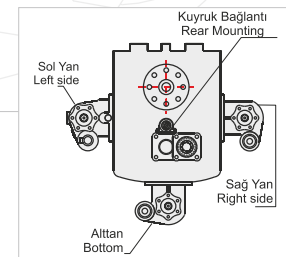
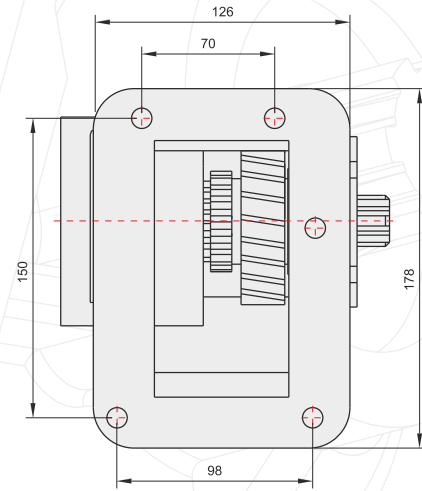
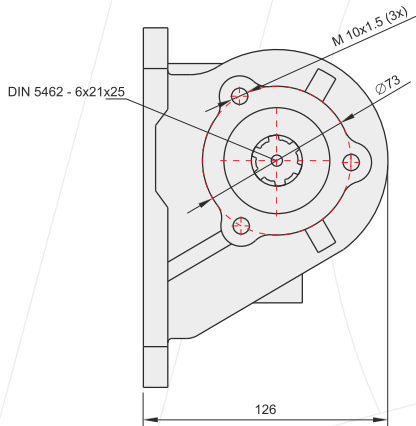
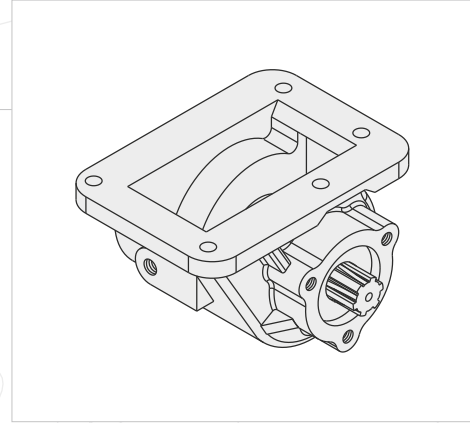
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MITSUBISHI MO3555

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	65.1x3.53 O-ring
1	4	Vakum Pistoru
1	5	72.15x81x1.7 Destek Ringi
1	6	70x80x3.25 Nutring
1	7	Pto Yan Kapak
1	8	67x4 O-ring
1	9	47x80 Segman
1	10	6005 Rulman

Adet	Parça No	Parça Adı
1	11	Senkromeç
1	12	471-50 Segman
1	13	6x12 Mil
1	14	Mo3555 V-Diqli
1	15	6205 Rulman
3	16	M10x45 Saplama
3	17	M10 Somun
1	18	472-52 Segman
1	19	25x52x10 Keçe
23		



POWER TAKE OFF

P.T.O.

**GENEL BİLGİLER/GENERAL DATA**

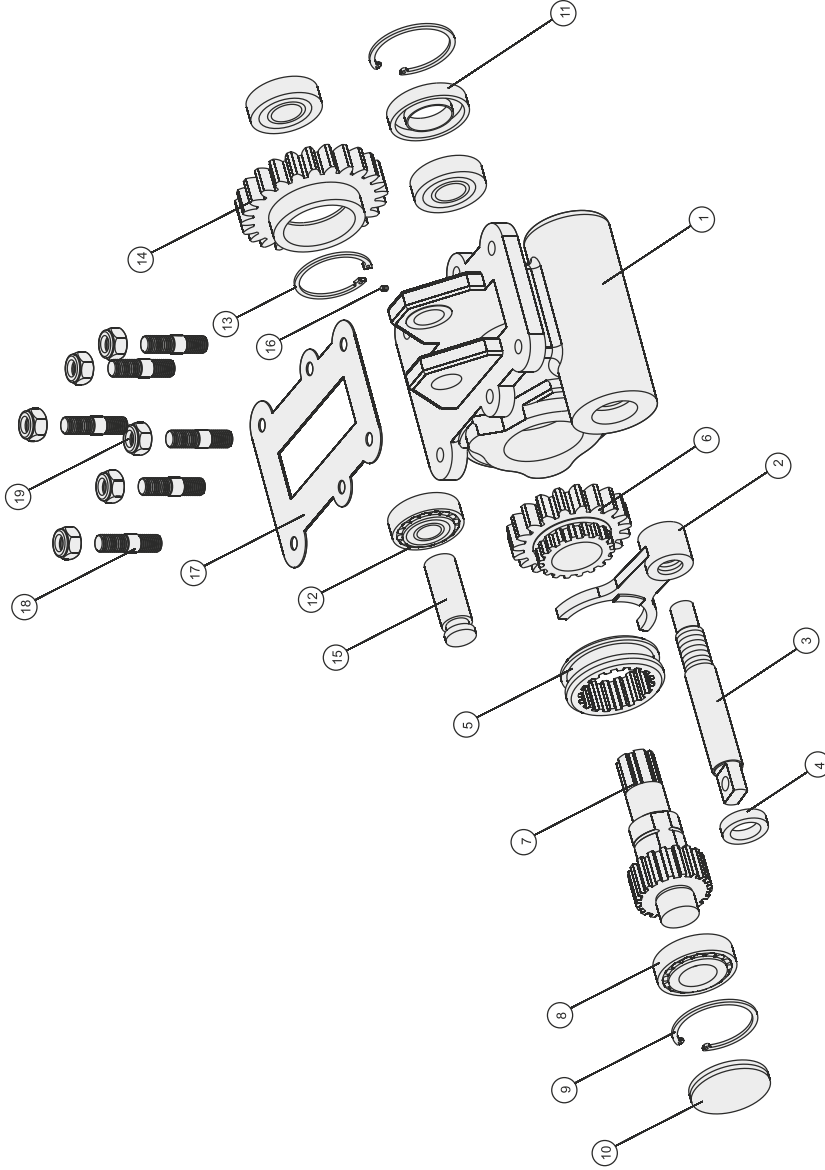
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24,2 Kgm	237,4 Nm
Güç(1000 rpm) / Power	11,7 Hp	8,7 Kw
Devir / Speed	350 rpm	350 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2 lb
Bağlantı / Mounting	Sol	Left
Kumanda / Control	Vakumlu	Vacuum
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
MO 35 S 5 / MO 35 T3	FE694-659-FE 859 E MITSUBISHI (722) FE 150C1-150E1-FE150E2 CANTER2.0T / WIDE CAB FG 145C1 4x4 CANTER 2,5-FE 150W1 3,5T 150G1 4T-150G2 4,5T

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

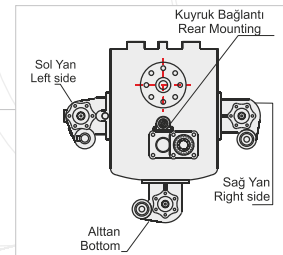
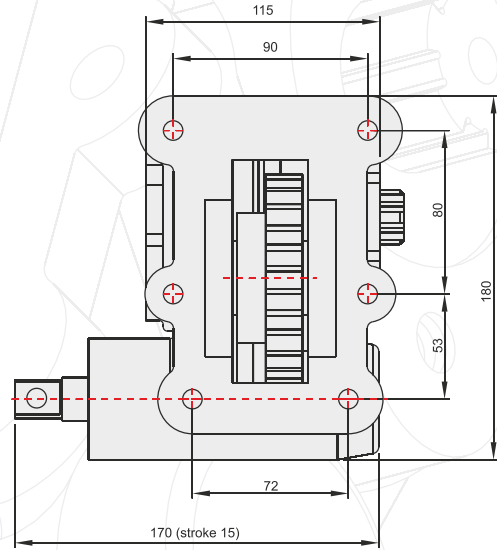
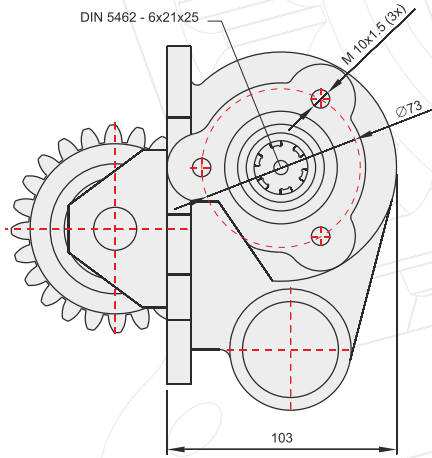
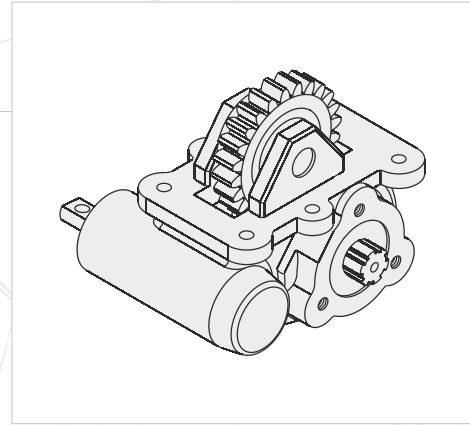
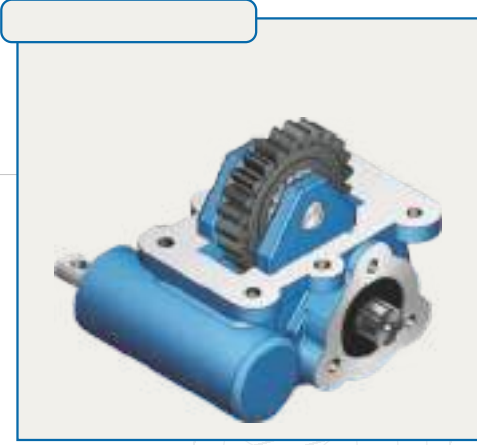


IVECO 2828

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Hilal
1	3	Kumanda Mili
1	4	20x30x7 Keçe
1	5	Senkromerç
1	6	Alt Dişli
1	7	6x18-k Alt Mil
2	8	30205 Rulman
2	9	472-52 Segman
1	10	4Tp-017 52x7 Kapak

Adet	Parça No	Parça Adı
1	11	25x52x10 Keçe
2	12	30204 Rulman
1	13	472-47 Segman
1	14	Üst Dişli
1	15	Üst Mil
1	16	M6x45 Saplama
1	17	Conta
6	18	M10x45 Saplama
6	19	M10 Somun




**GENEL BİLGİLER/GENERAL DATA**

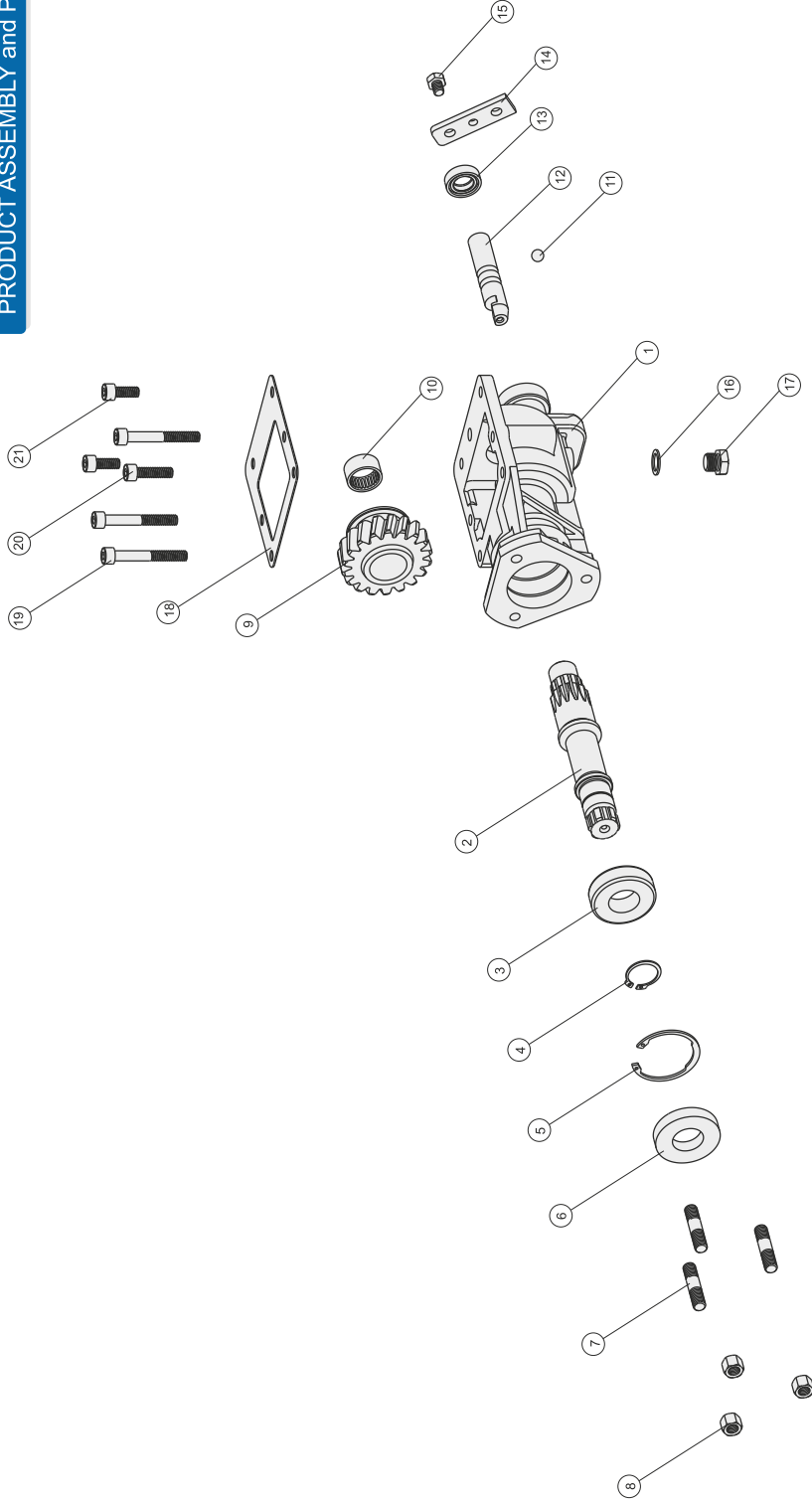
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	15 Kgm	147 Nm
Güç(1000 rpm) / Power	6,2 Hp	4,6 Kw
Devir / Speed	300 rpm	300 rpm
Oran / Ratio	1/1,26	1/1,26
Ağırlık / Weight	9 kg	19.9 lb
Bağlantı / Mounting	Sağ	Right
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2828.5-2831.5-28028-28031	35.9-65.9-35 NC-50 NC-50.9-50.11 IVECO

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

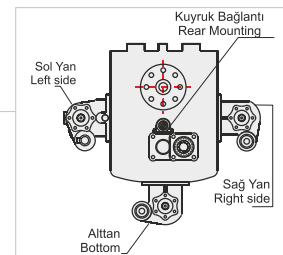
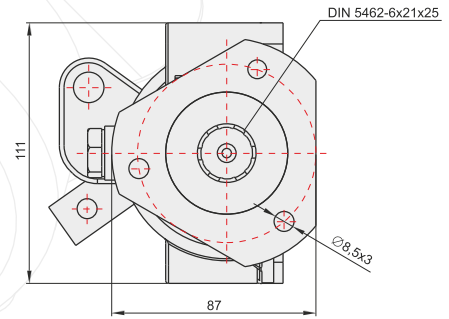
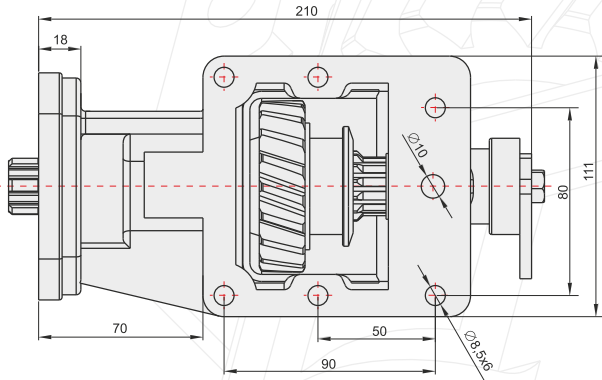
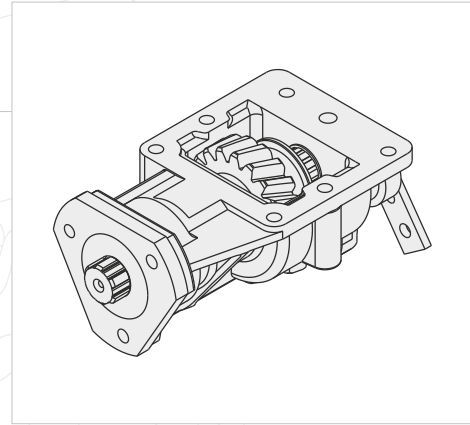
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



IVECO 2826

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	6x13 Alt Mil
1	3	6205 Rulman
1	4	471-25 Segman
1	5	472-52 Segman
1	6	25x52x10 Keçe
3	7	M10x45 Saplama
3	8	M10 Somun
1	9	Üst Dişli
1	10	Hk 2216 Rulman
1	11	3/8" Bilya

Adet	Parça No	Parça Adı
1	12	Mekanik Mil
1	13	17x28x8 Keçe
1	14	Bağlantı Laması
1	15	M8x10 Cıvata
1	16	Bakır Pul
1	17	M14x10 Cıvata
1	18	Conta
3	19	M8x60 Cıvata
1	20	M8x30 Cıvata
2	21	M8x20 Cıvata



**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	21,3 Kgm	208 Nm
Güç(1000 rpm) / Power	27,3 Hp	20,4 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	6 kg	13,2 lb
Bağlantı / Mounting	Sol yan	Left side
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sol - UNI	Left- UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2826,5 IVECO	30.10-35.10-35.12-49.10-49.12-59.12-60.12 IVECO

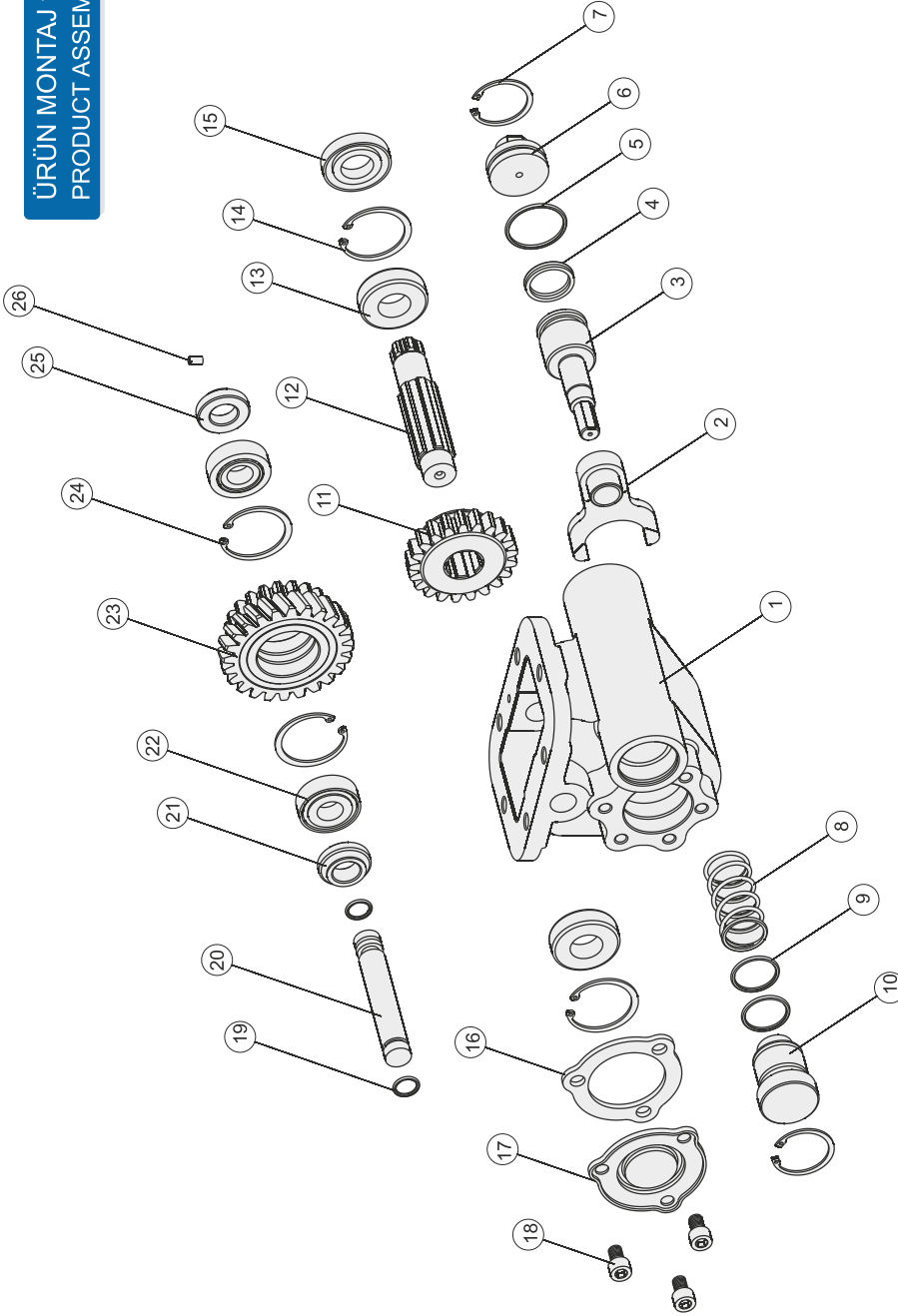
Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

POWER TAKE OFF

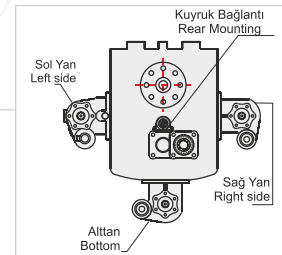
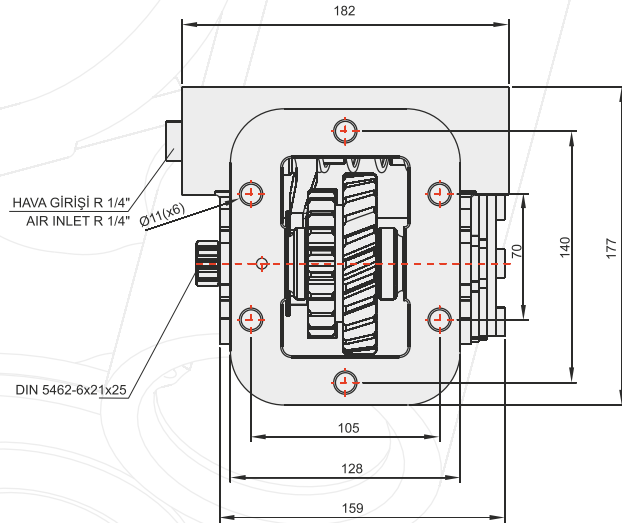
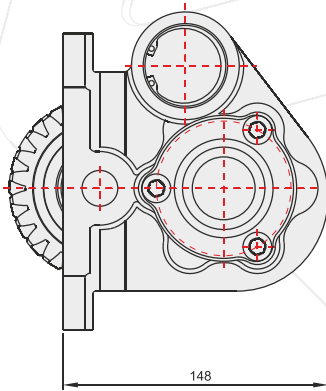
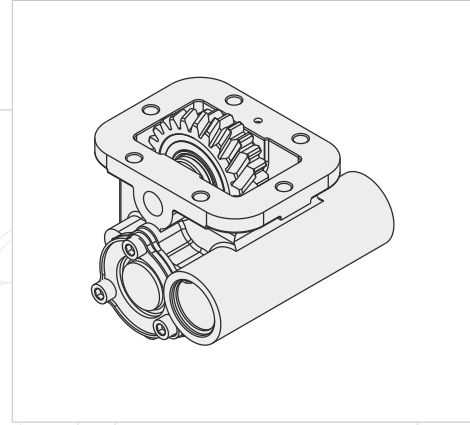
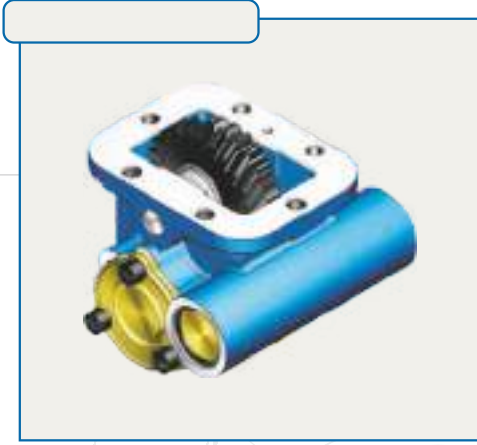
P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



IVECO 475 SMLX

Adet	Parça No	Parça Adı	Adet	Parça No	Parça Adı
1	1	Gövde	2	14	472-52 Segman
1	2	Hilal	1	15	25x52x10 Keçe
1	3	Phömatik Mil	1	16	Conta
1	4	31x38x4,5 Nutring	1	17	Pto Yan Kapak
1	5	45,3x3 O-ring	3	18	M10x16 Civata
1	6	Phömatik Kapak	2	19	2.35x20 O-ring
2	7	472-45 Segman	1	20	Üst Mil
1	8	Phömatik Yay	1	21	30x40x10,5 Pul
2	9	38,3x3 O-ring	2	22	30204 Rulman
1	10	Phömatik Kapak 2	1	23	Üst Dişli
1	11	Alt Dişli	2	24	472-42 Segman
1	12	Alt Mil	1	25	30x40x15,5 Pul
2	13	6205 Rulman	1	26	M6x10 Setskur
			35		TOPLAM PARÇA SAYISI

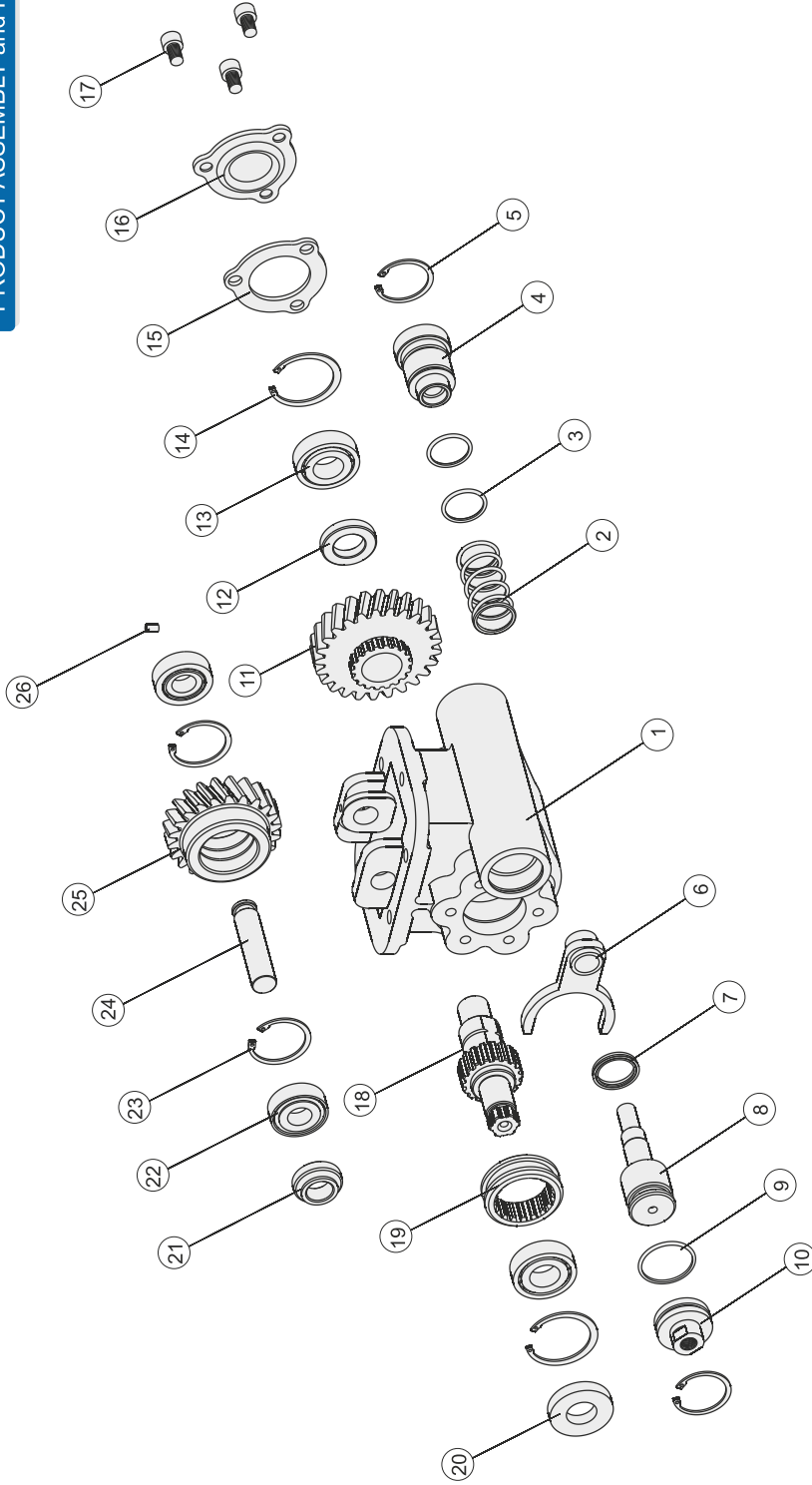

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE	Ana Şanzıman / Gearbox		Kullanılan Bazı Araçlar / Used Vehicles
Tork / Torque	25,4 Kgm	248 Nm	75.12-85.12 IVECO
Güç(1000 rpm) / Power	32,9 Hp	24,2 Kw	
Devir / Speed	1000 rpm	1000 rpm	
Oran / Ratio	1/1,43	1/1,43	
Ağırlık / Weight	12 kg	26,4 lb	
Bağlantı / Mounting	Sağ yan	Right side	
Kumanda / Control	Havalı	Pneumatic	
Dönüş / P.T.O. Rotation	Sağ	Right	

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

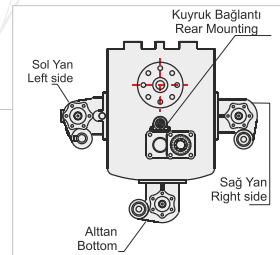
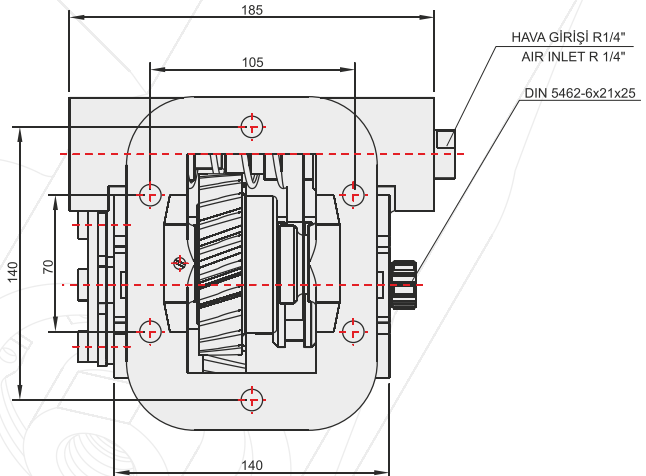
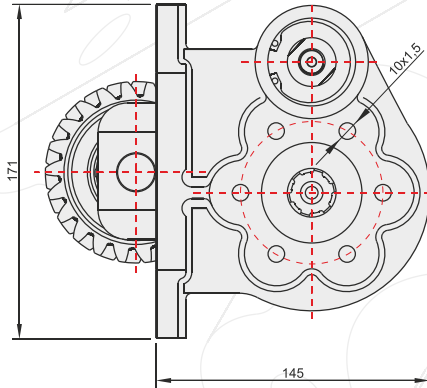
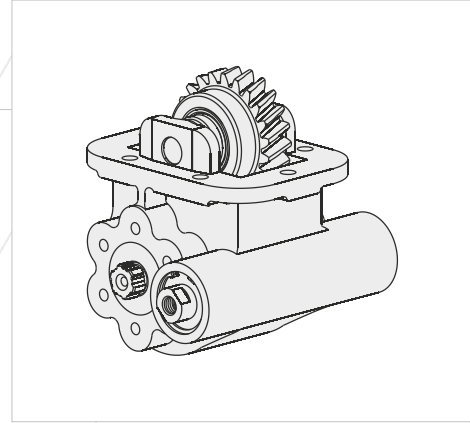
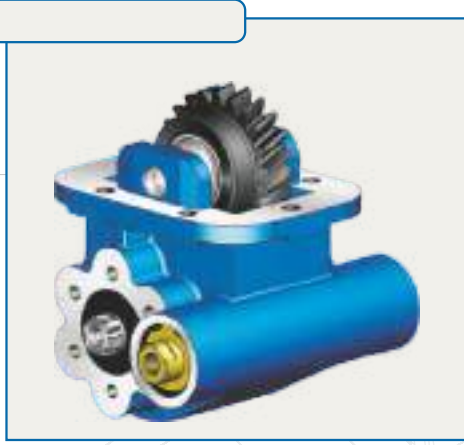
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



IVECO 2855

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
2	3	38.3x3 O-ring
1	4	Pnömatik Kapak 2
2	5	472-45 Segman
1	6	Hilal
1	7	31x35x4.5 Nutring
1	8	Pnömatik Mil
2	9	45.3x3 O-ring
1	10	Pnömatik Kapak
1	11	Alt Dişli
1	12	25.8x45x9 Pul
2	13	30205 Rulman
2	14	472-52 Segman
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Civata
1	18	Alt Mil
1	19	Senkromeç
1	20	25x52x10 Kece
1	21	2.5x39.5x15 Pul
2	22	30204 Rulman
2	23	472-47 Segman
1	24	Üst Mil
1	25	Üst Dişli
1	26	M6x10 Setskur
34		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

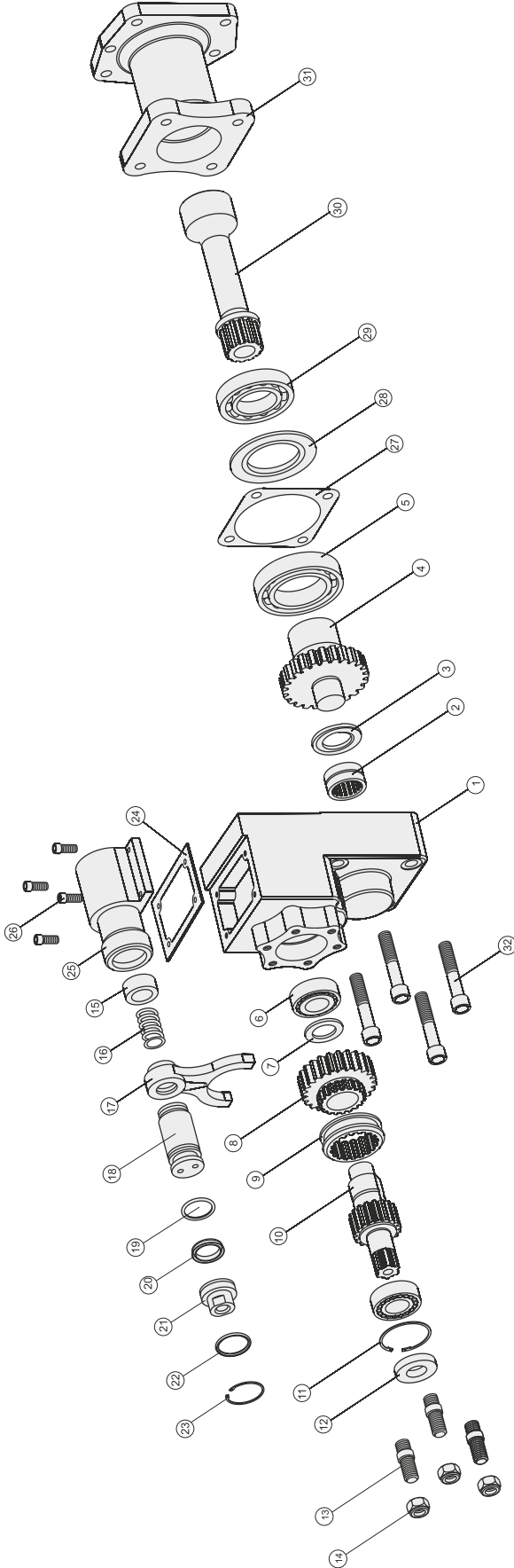
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24,4 Kgm	240 Nm
Güç(1000 rpm) / Power	32 Hp	23,3 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/0,88	1/0,88
Ağırlık / Weight	13,5 kg	29,71 lb
Bağlantı / Mounting	Sağ yan	Right side
Kumanda / Control	Mekanik	Mechanic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2845.6-2855.6 IVECO	IVECO 60.10-60.12-75.14-80.14-80.12-85.12-85.14-120.14-140.14-150.14-130E15-150E21-220E21-60.14-65E12-65E14-75.12-75E14-80E15-80E18-85E13-85E15-100E15-100E18-130E15-130E18

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

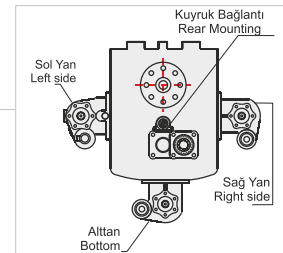
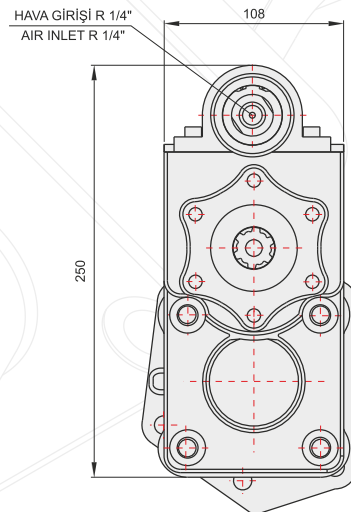
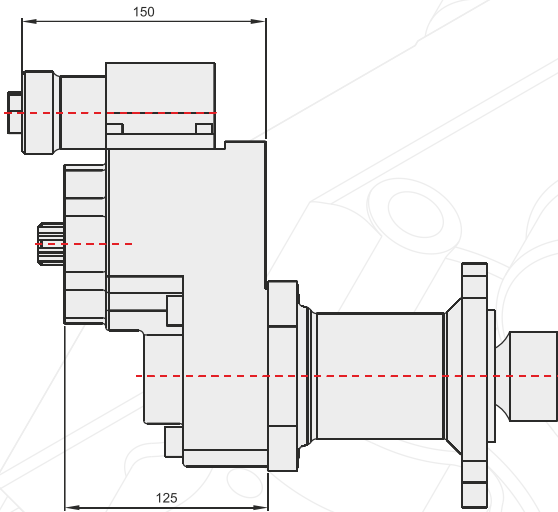
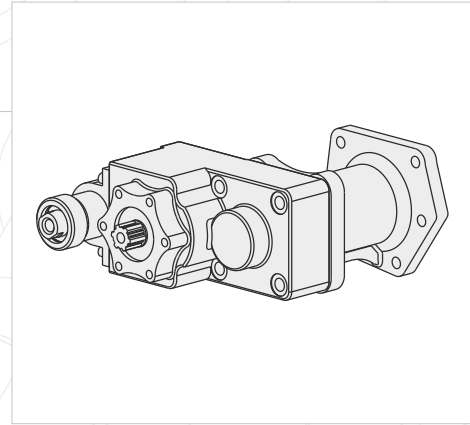
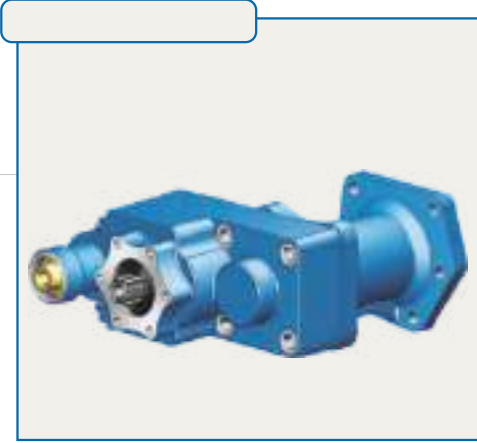


IVECO 2846

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Ni 205 Rulman
1	7	25,5x39,5x3 Pul
1	8	Küçük Dişli
1	9	Senkromec
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Keçe
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pul
1	16	Pnömatik Yay
1	17	Hilal

Adet	Parça No	Parça Adı
1	18	Pnömatik Piston
1	19	3x27 O-ring
1	20	33x25x5,5 Nutring
1	21	Pnömatik Kapak
1	22	29,75x3,53 O-ring
1	23	472-36 Segman
1	24	Pnömatik Kovan Contası
1	25	Pnömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	Iveco Merkezleme Pul
1	29	6008 Rulman
1	30	2846 Kardan Mili
1	31	2846 Plate
4	32	M12x65 Cıvata
40		TOPLAM PARÇA SAYISI




**GENEL BİLGİLER/GENERAL DATA**

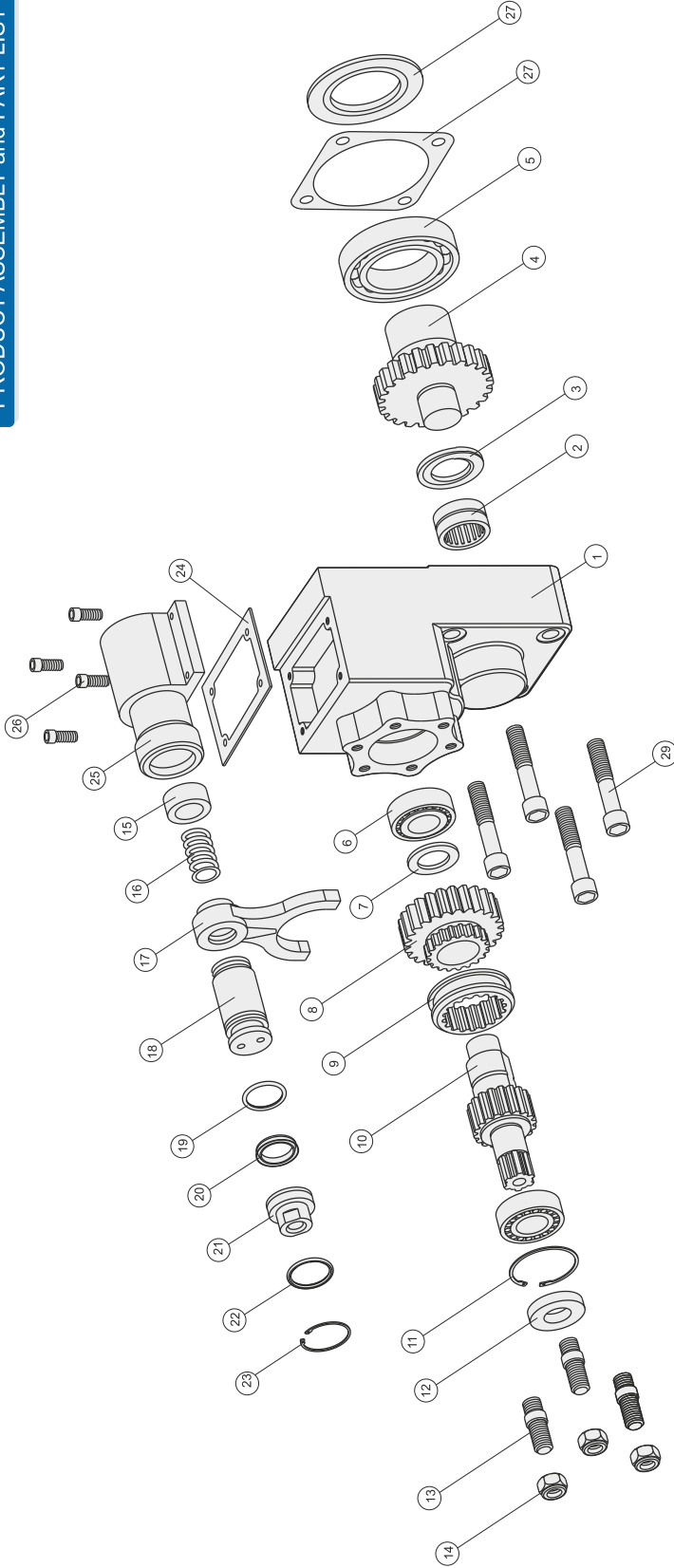
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,3 Kgm	179,5 Nm
Güç(1000 rpm) / Power	16,8 Hp	12,5 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havali	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2846,5-2842-2835-2830-2646	FIAT IVECO / 65.15-79.13-79.14-80.14 IVECO / 65.12-79.12-95-14-100.13-109.14-135.14 ZETA IVECO

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

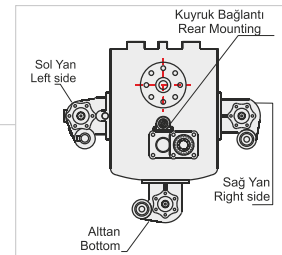
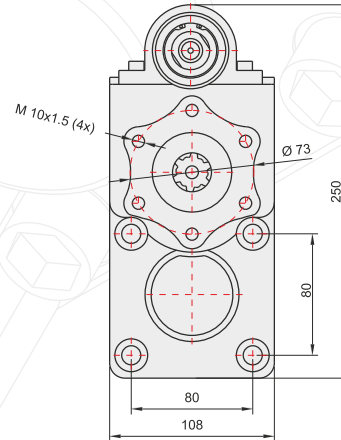
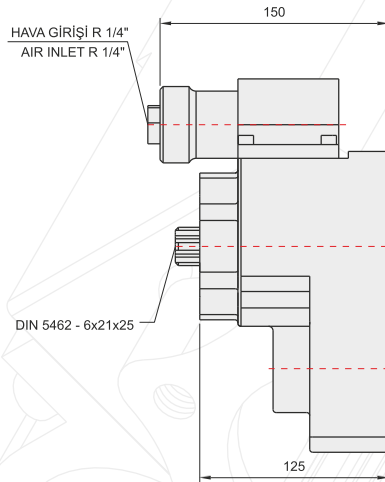
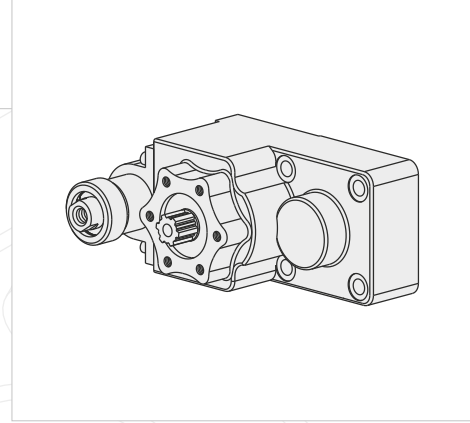


IVECO 2855

Adet	Parça No	Parça Adı
1	16	Pnömatik Yay
1	17	Hilal
1	18	Pnömatik Piston
1	19	3x27 O-ring
1	20	33x25x5,5 Nutring
1	21	Pnömatik Kapak
1	22	29,75x3,53 O-ring
1	23	472-36 Segman
1	24	Pnömatik Kovan Contası
1	25	Pnömatik Kovan
4	26	M6x20 Cıvata
1	47	Conta
1	28	Iveco Merkezleme Pulü
4	29	M12x65 Cıvata

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Ni 205 Rulman
1	7	25,5x39,5x3 Pul
1	8	Küçük Dişli
1	9	Senkromec
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Saplama
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pulü



POWER TAKE OFF

P.T.O.

**GENEL BİLGİLER/GENERAL DATA**

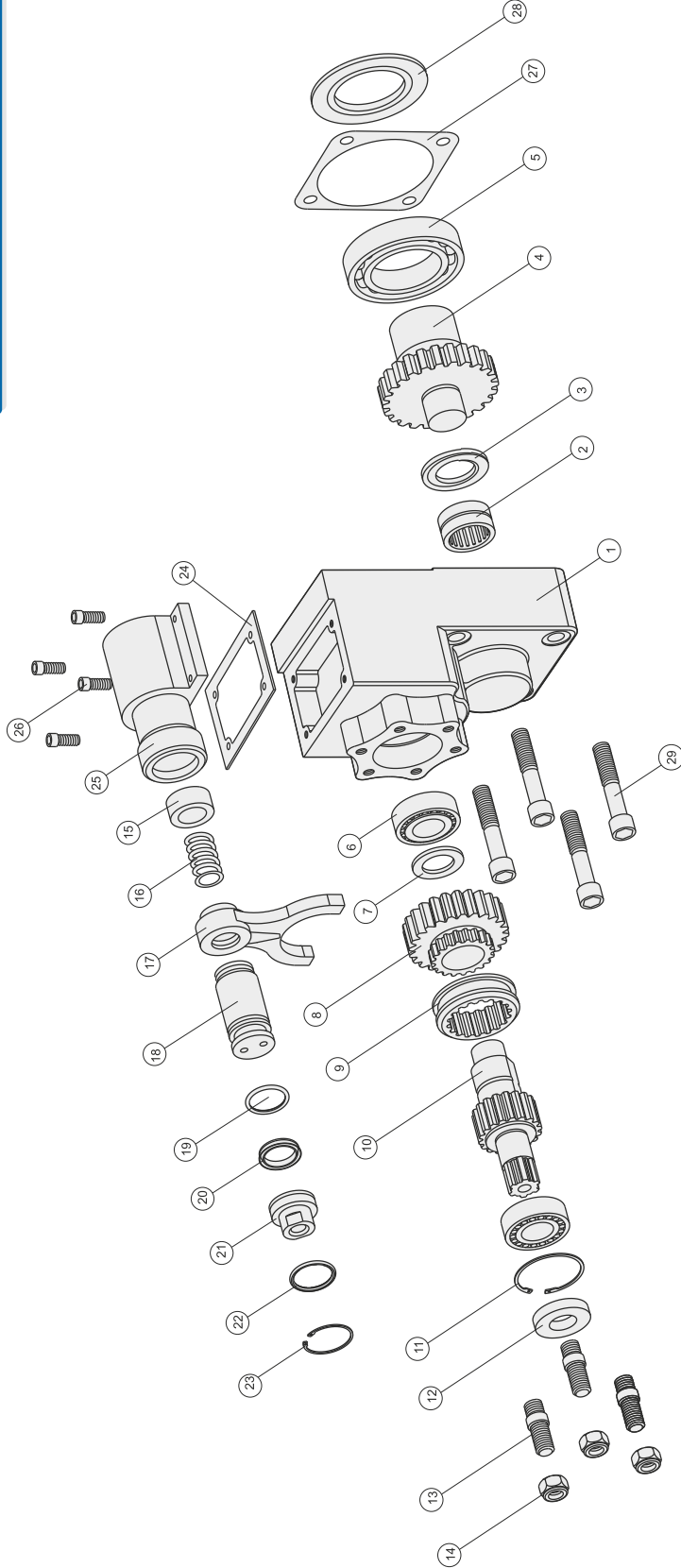
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,3 Kgm	179,5 Nm
Güç(1000 rpm) / Power	16,8 Hp	12,5 Kw
Devir / Speed	650 rpm	650 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2845.6-2855.6	IVECO 60.10-60.12-75.14-80.14-80.12 85.12-85.14-120.14-140.14-150.14 130E15-150E21-220E21-60.14-65E12- 65E14-75.12-75E14-75E15-80E18 85E13-85E15-100E15-100E18-130E15 130E18

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

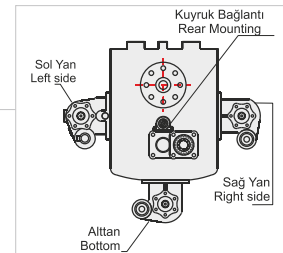
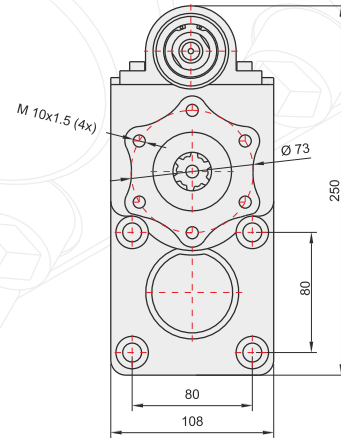
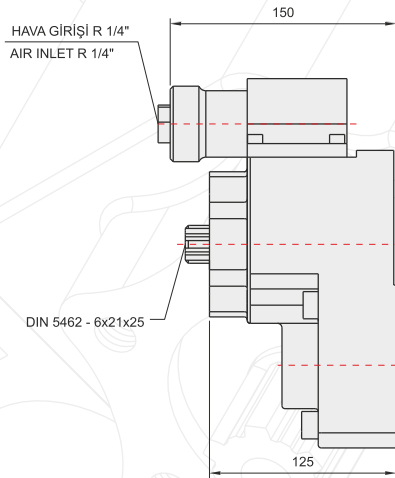
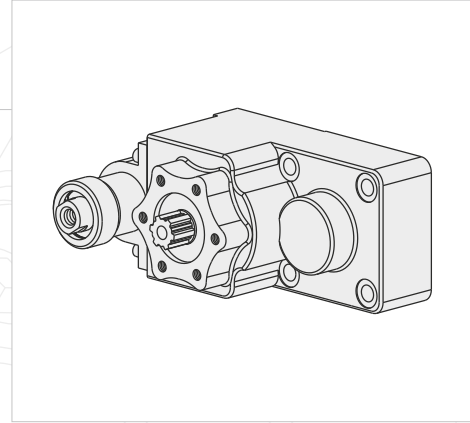
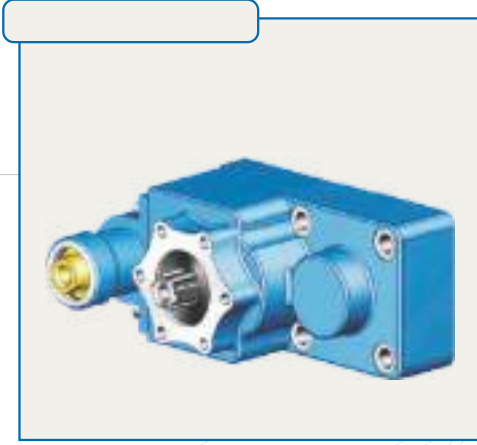
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



IVECO 2865

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Ni 205 Rulman
1	7	25,5x39,5x3 Pul
1	8	Küçük Dişli
1	9	Senkromec
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Saplama
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pulü
1	16	Prömatik Yay
1	17	Hilal
1	18	Prömatik Piston
1	19	3x27 O-ring
1	20	33x25x5,5 Nutring
1	21	Prömatik Kapak
1	22	29,75x3,53 O-ring
1	23	472-36 Segman
1	24	Prömatik Kovan Contası
1	25	Prömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	Iveco Merkezleme Pulü
4	29	M12x65 Cıvata
40		

Adet	Parça No	Parça Adı
1	16	Prömatik Yay
1	17	Hilal
1	18	Prömatik Piston
1	19	3x27 O-ring
1	20	33x25x5,5 Nutring
1	21	Prömatik Kapak
1	22	29,75x3,53 O-ring
1	23	472-36 Segman
1	24	Prömatik Kovan Contası
1	25	Prömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	Iveco Merkezleme Pulü
4	29	M12x65 Cıvata
40		

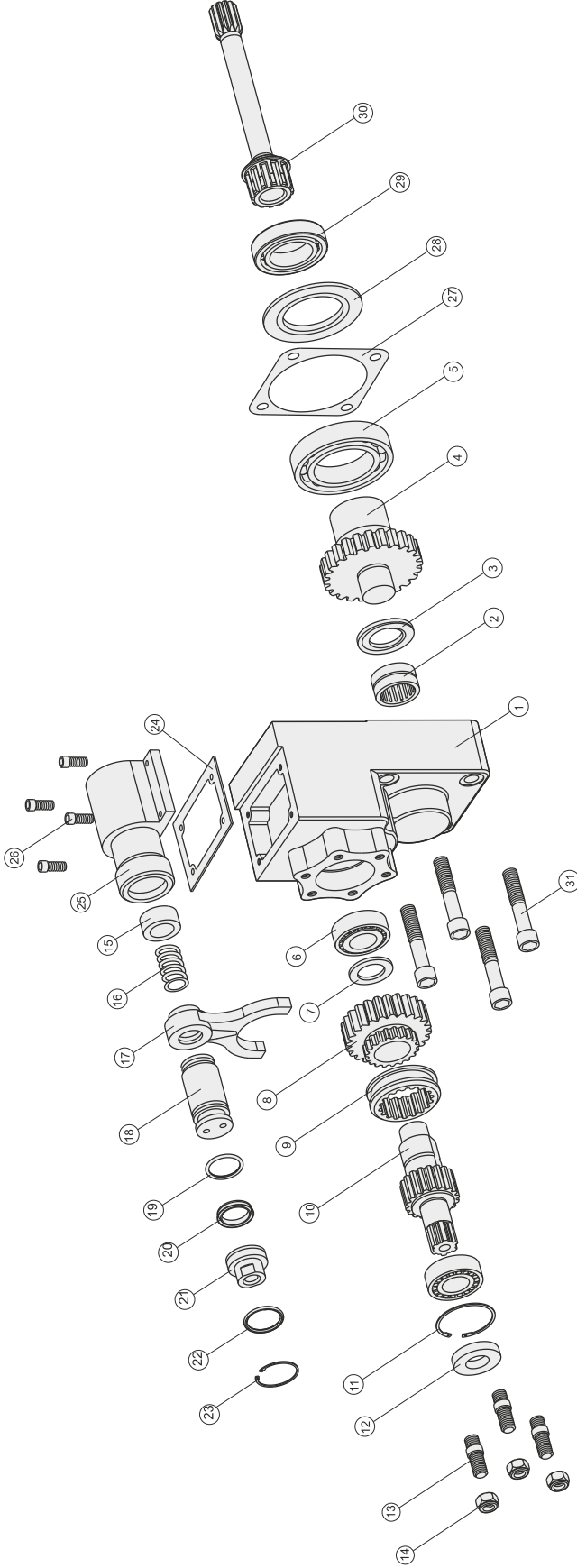

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	18,3 Kgm	179,5 Nm
Güç(1000 rpm) / Power	16,8 Hp	12,5 Kw
Devir / Speed	650 rpm	650 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	11 kg	24,2 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2865.6	JOHNSTON 12E18 IVECO EUROCARGO / 100E21-120E18- 120E23-130E23-180E18-80.21-100.18 120.23-130.23-150.18-150.23-170.18- 170.23-150E21-220E21 EUROCARGO IVECO

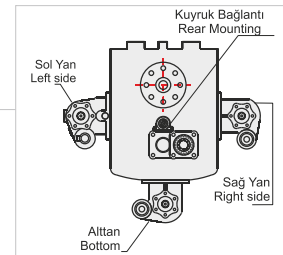
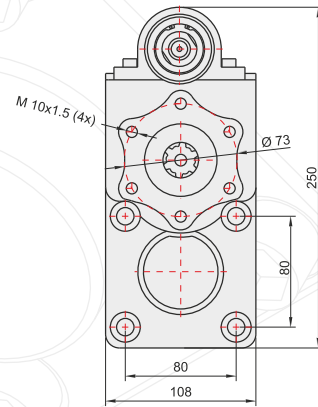
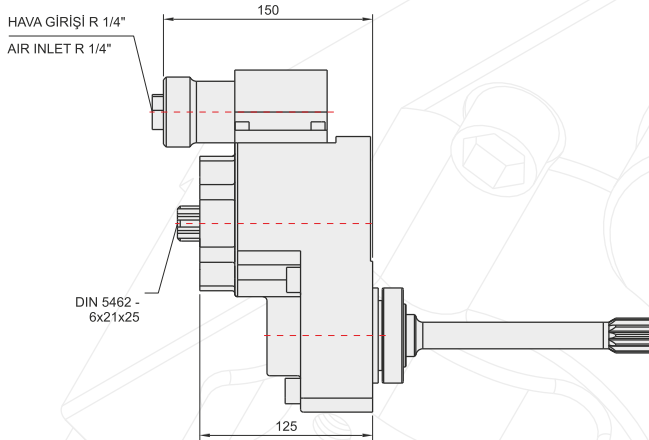
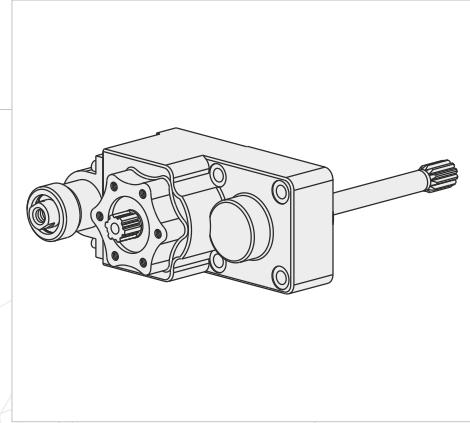
Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

**ÜRÜN MONTAJ ve PARÇA LİSTESİ**  
**PRODUCT ASSEMBLY and PART LIST**

**IVECO 2870**

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Nj 205 Rulman
1	7	25.5x39.5x3 Pul
1	8	Küçük Dişli
1	9	Senkromec
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Saplama
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pulu
1	16	Prömatik Yay

Adet	Parça No	Parça Adı
1	17	Hilal
1	18	Prömatik Piston
1	19	3x27 O-ring
1	20	33x25x5.5 Nutring
1	21	Prömatik Kapak
1	22	29.75x3.53 O-ring
1	23	472-36 Segman
1	24	Prömatik Kovan Contası
1	25	Prömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	Iveco Merkezleme Pulu
1	29	6008 Rulman
1	30	2870 Kardan Mili
4	31	M12x65 Cıvata
42		


**GENEL BİLGİLER/GENERAL DATA**

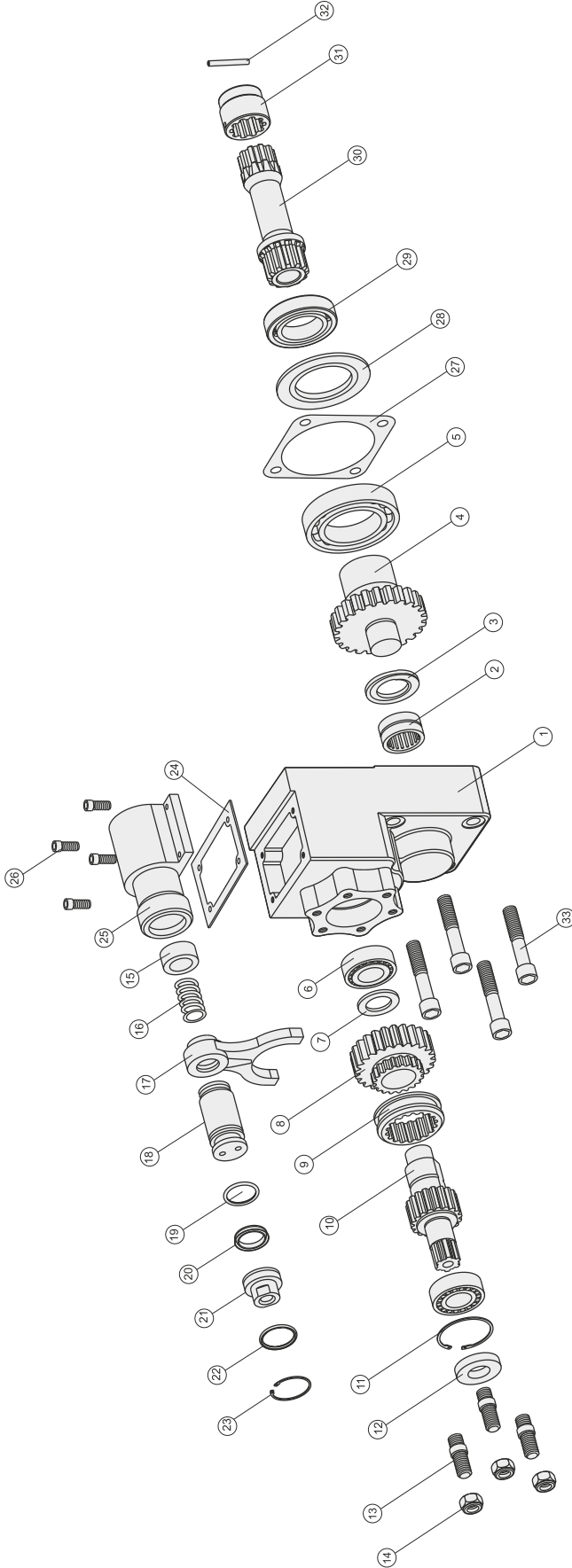
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	22,4 Kgm	219,7 Nm
Güç(1000 rpm) / Power	20,8 Hp	15,5 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
2870.9	120E18-120E23-130E15-130E18-130E23-150E15-150E18-150E23-170E18-170E23-180E21-250E21-100E18-100E23-100E15-130E15-130E18 EURO CARGO IVECO / 250E24-230E18-180E28-250E23 EURO CARGO IVECO

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

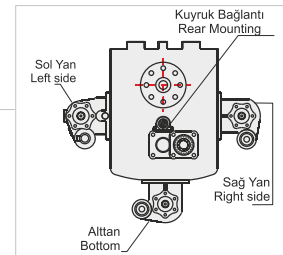
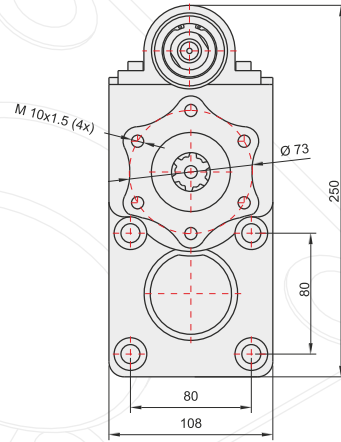
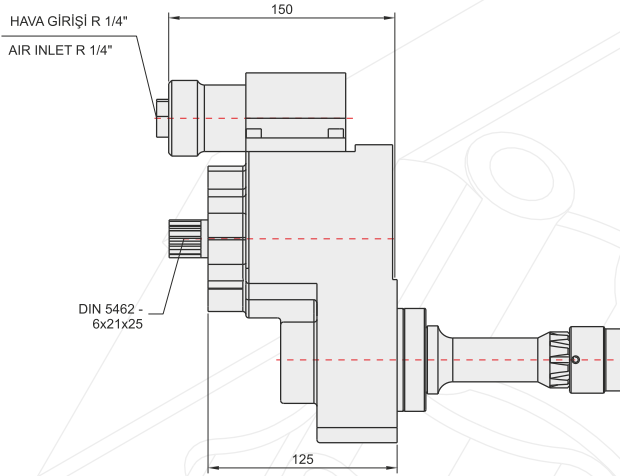
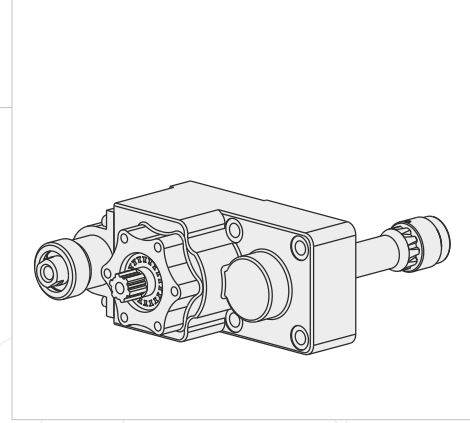
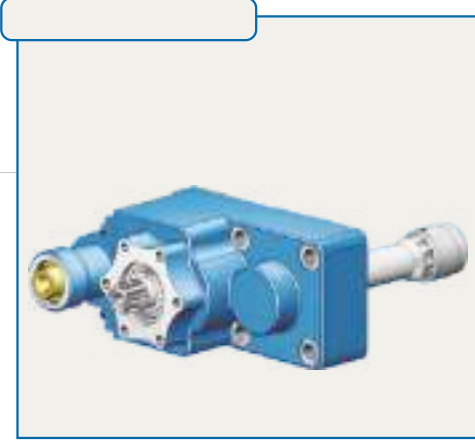


IVECO 2895

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	6011 Rulman
2	6	Ni 205 Rulman
1	7	25.5x39.5x3 Pul
1	8	Küçük Dişi
1	9	Senkromeç
1	10	6x18 Alt Mil
1	11	472-52 Segman
1	12	25x52x10 Saplama
3	13	M10x45 Saplama
3	14	M10 Somun
1	15	25x35x15 Ortalama Pulü
1	16	Prömatik Yay
1	17	Hilal

Adet	Parça No	Parça Adı
1	18	Prömatik Piston
1	19	3x27 O-ring
1	20	33x25x5.5 Nutring
1	21	Prömatik Kapak
1	22	29.75x3.53 O-ring
1	23	472-36 Segman
1	24	Prömatik Kovan Contası
1	25	Prömatik Kovan
4	26	M6x20 Cıvata
1	27	Conta
1	28	Iveco Merkezleme Pulu
1	29	6008 Rulman
1	30	2870 Kardan Mili
1	31	2895 Kaplin
1	32	Boru Pim
4	33	M12x65 Cıvata
44		




**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	22,4 Kgm	219,7 Nm
Güç(1000 rpm) / Power	20,8 Hp	15,5 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,12	1/1,12
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

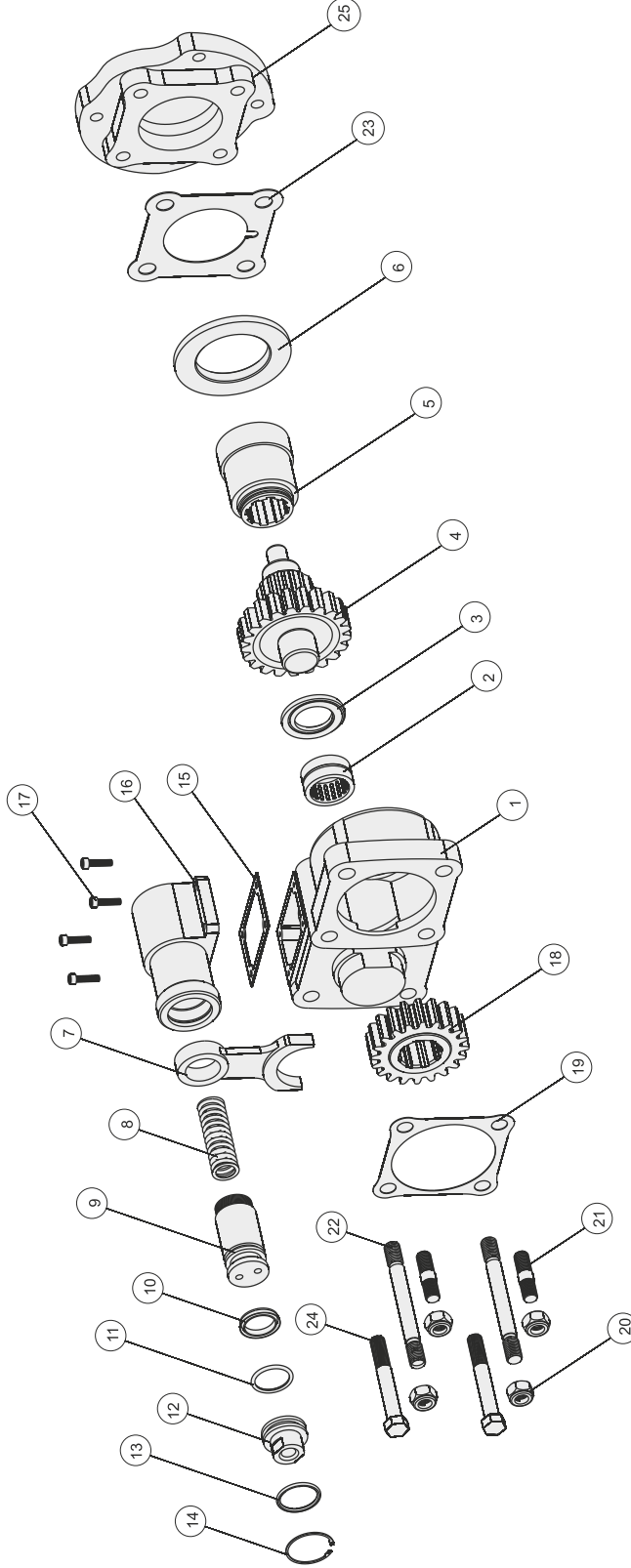
Ana Şanzıman / Gearbox
2985.9

Kullanılan Bazı Araçlar / Used Vehicles
120E18-120E23-130E15-130E18-130E23-150E15-150E18-150E23-170E18-170E23-180E21-250E21-100E18-100E23-100E15-130E15-130E18 EUROARGO IVECO

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

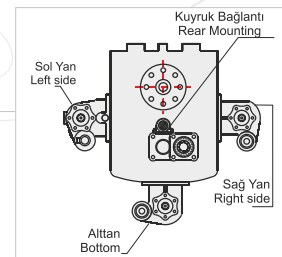
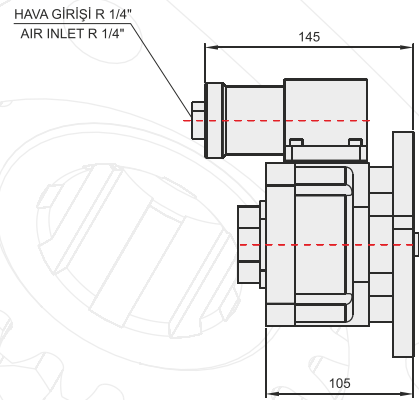
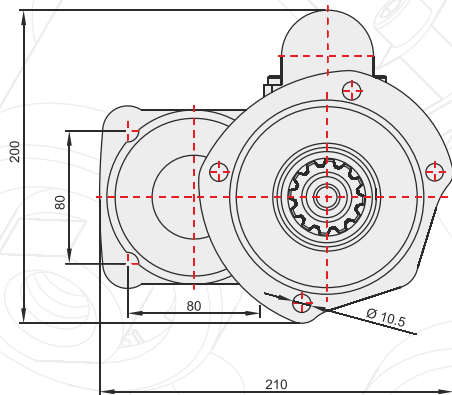
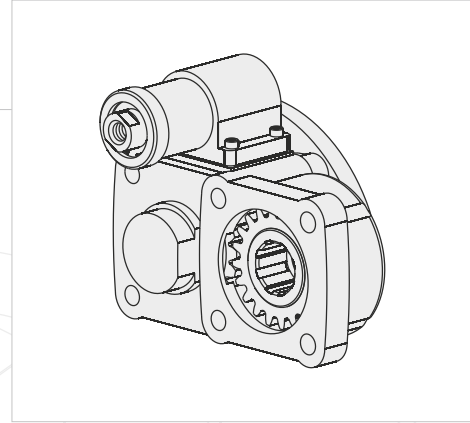
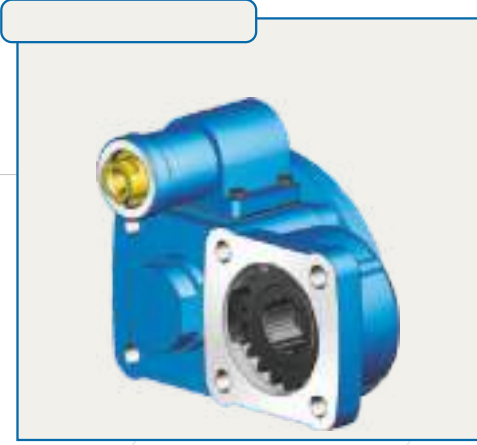
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



VOLVO R5

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	R5 Grup Dişlisi
1	5	R5 Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Prömatik Yay
1	9	Prömatik Piston
1	10	33x25x5,5 Nutring
1	11	3x27 O-ring
1	12	Prömatik Kapak
1	13	29,75x3,53 O-ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M12x120 Saplama
1	23	Conta
2	24	M12x90 Cıvata
1	25	R5 Plate
34		

Adet	Parça No	Parça Adı
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M12x120 Saplama
1	23	Conta
2	24	M12x90 Cıvata
1	25	R5 Plate
34		

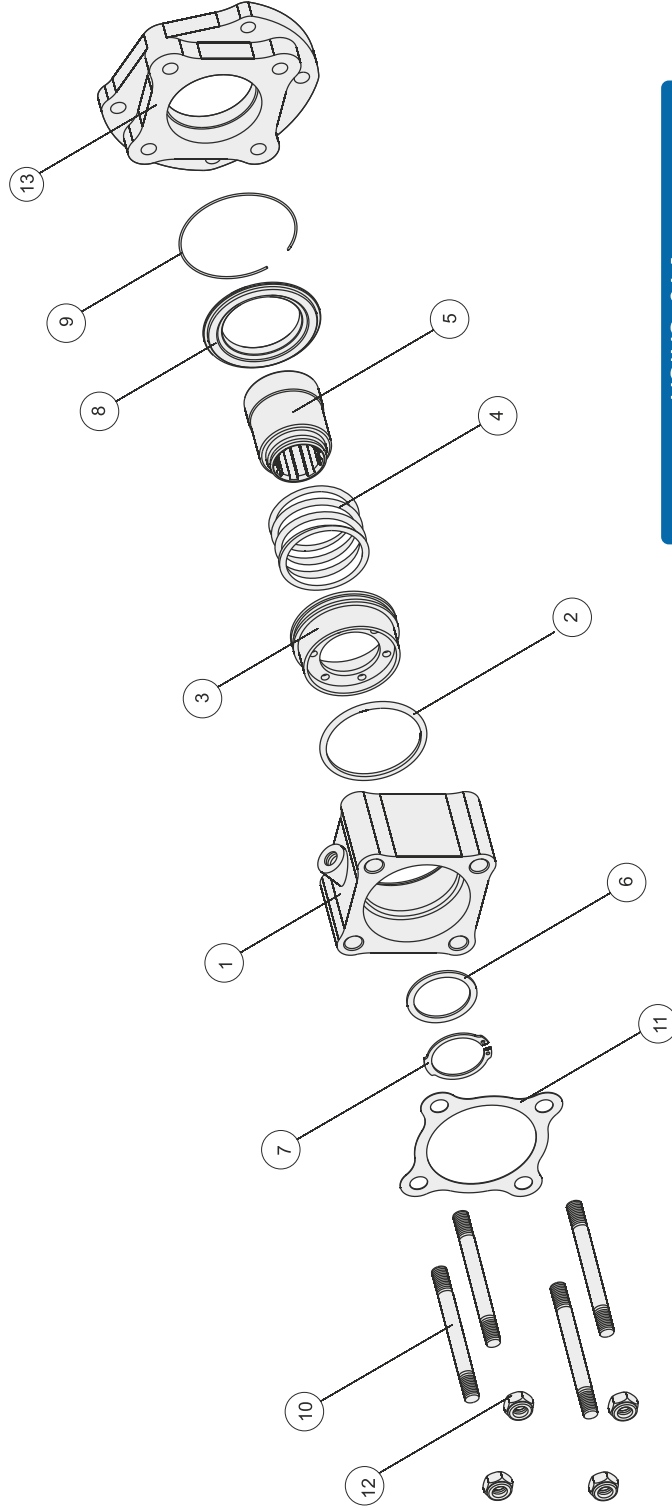

**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE	Ana Şanzıman / Gearbox		Kullanılan Bazı Araçlar / Used Vehicles
Tork / Torque	24 Kgm	235,5 Nm	VOLVO F O-F 86-F 88-F 1233
Güç(1000 rpm) / Power	22,3 Hp	16,6 Kw	
Devir / Speed	675 rpm	675 rpm	
Oran / Ratio	1/1,2	1/1,2	
Ağırlık / Weight	12 kg	26,5 lb	
Bağlantı / Mounting	Kuyruk	Rear	
Kumanda / Control	Havalı	Pneumatic	
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO	

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

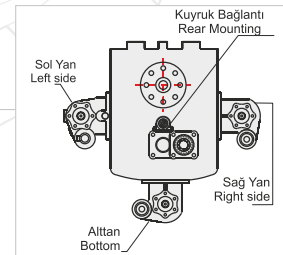
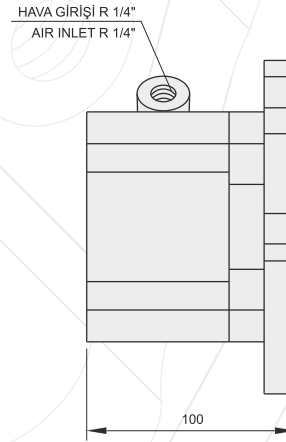
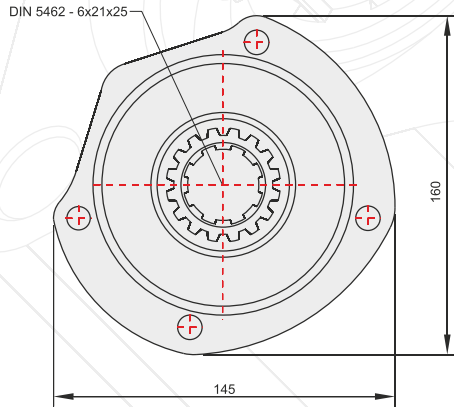
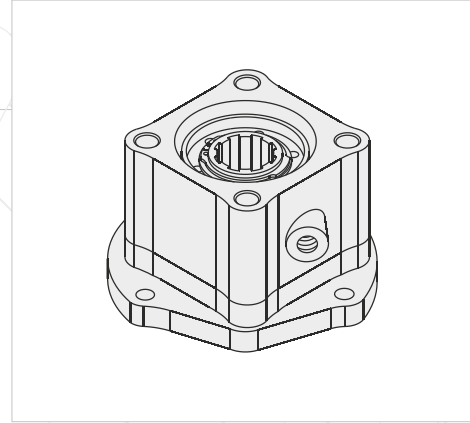
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



VOLVO R6-1

Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	69,22x5,33 X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	R6 Kavrıma
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	Zf1 Ortalayıcı Pul
1	9	1.70 Tel Segman
4	10	M12x120 Saplama
1	11	Conta
4	12	M12 Somun
1	13	R6 Plate
19		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

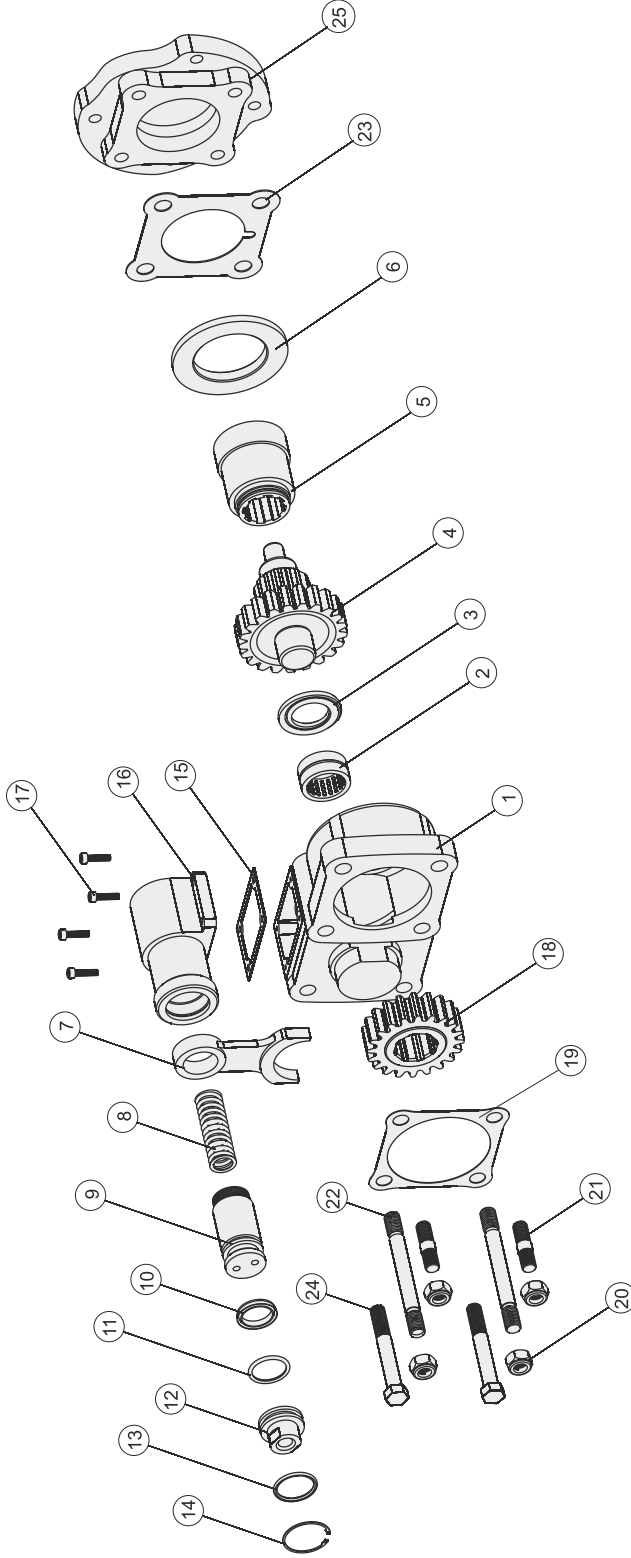
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	26,5 Hp	19,8 Kw
Devir / Speed	780 rpm	780 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	5,7 kg	12,6 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
R 62-SR61-R62/MR 62 B	F 7-F 10-F 12-F88-F89-F 1020-F 1225-N 10-N 12 VOLVO

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

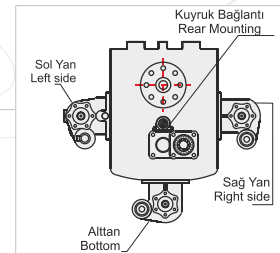
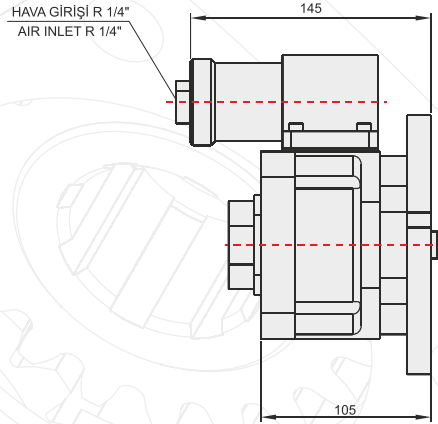
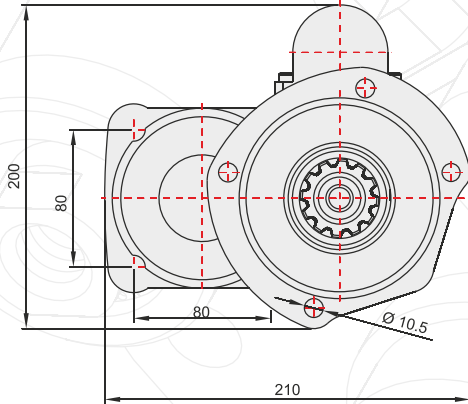
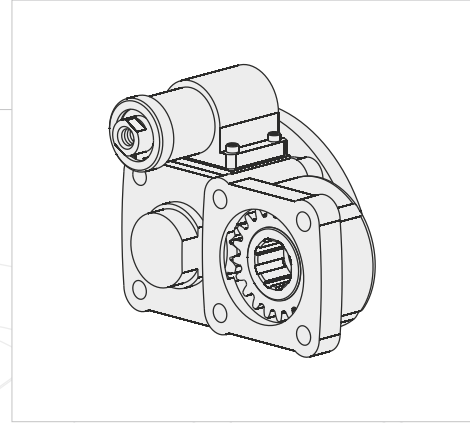
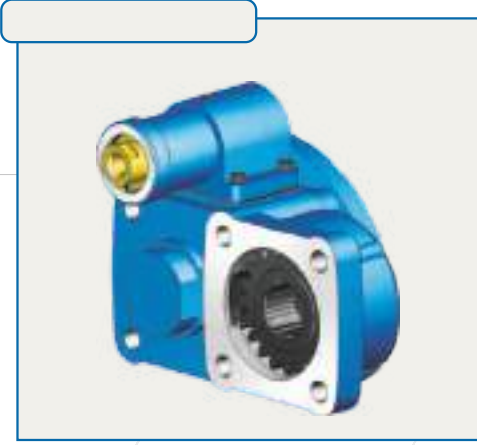
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



VOLVO R6-2

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nik 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	R5 Grup Dişlisi
1	5	R5 Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Prömatik Yay
1	9	Prömatik Piston
1	10	33x25x5,5 Nutring
1	11	3x27 O-ring
1	12	Prömatik Kapak
1	13	29,75x3,53 O-ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 İnbuz
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M12x120 Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	R6 Plate
34		

Adet	Parça No	Parça Adı
1	14	472-36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 İnbuz
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M12x120 Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	R6 Plate
34		


**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

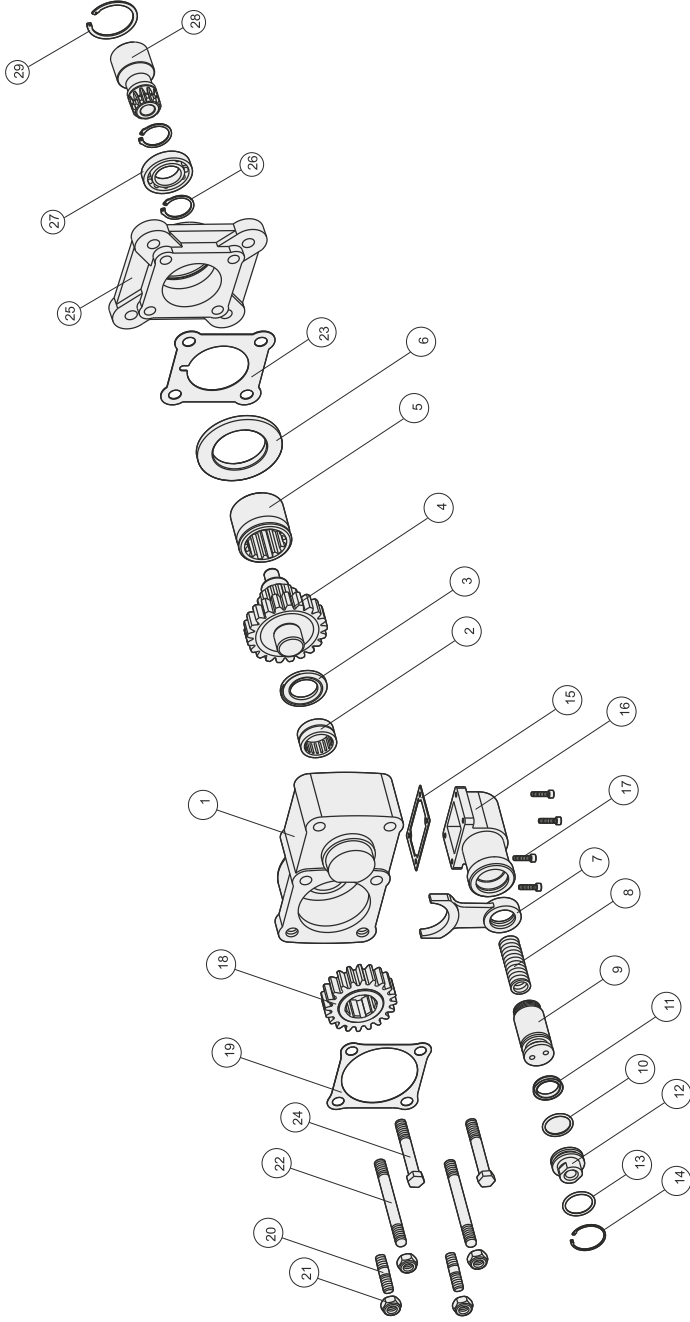
P.T.O. KODU / P.T.O. CODE	Ana Şanzıman / Gearbox		Kullanılan Bazı Araçlar / Used Vehicles
Tork / Torque	24 Kgm	235,5 Nm	F 7-F 10-F 12-F88-F89-F 1020-F 1225-N 10-N 12 VOLVO
Güç(1000 rpm) / Power	22,3 Hp	16,6 Kw	
Devir / Speed	675 rpm	675 rpm	
Oran / Ratio	1/1,2	1/1,2	
Ağırlık / Weight	12 kg	26,5 lb	
Bağlantı / Mounting	Kuyruk	Rear	
Kumanda / Control	Havali	Pneumatic	
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO	

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.



**ÜRÜN MONTAJ ve PARÇA LİSTESİ**  
**PRODUCT ASSEMBLY and PART LIST**



**VOLVO SR70**

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30/20A Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	Hilal
1	8	Prömatik Piston Yayı
1	9	Prömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Prömatik Kapak
1	13	29.75x3.53 O-ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası

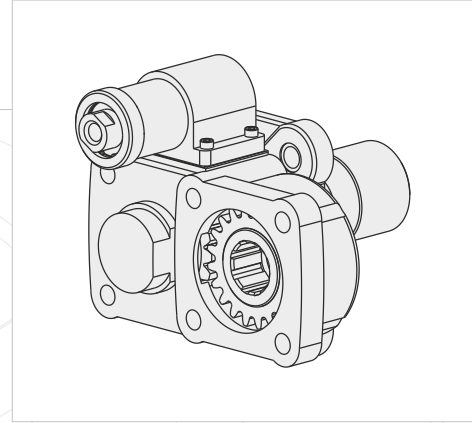
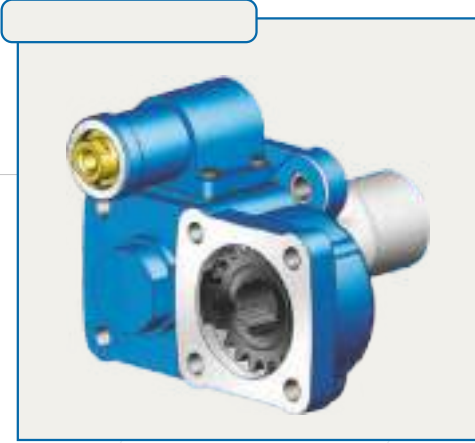
Adet	Parça No	Parça Adı
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Aks Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	SR70 Plate
2	26	Segman
1	27	6009 Rulman
1	28	SR70 Kardan Mili
1	29	Segman
39		



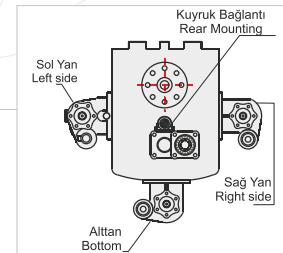
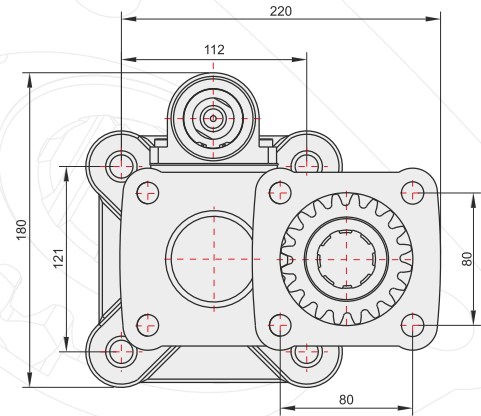
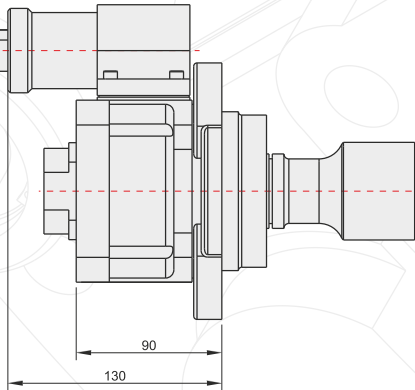
## VOLVO / SR70

POWER TAKE OFF

P.T.O.



HAVA GİRİŞİ R 1/4"  
AIR INLET R 1/4"



### GENEL BİLGİLER/GENERAL DATA

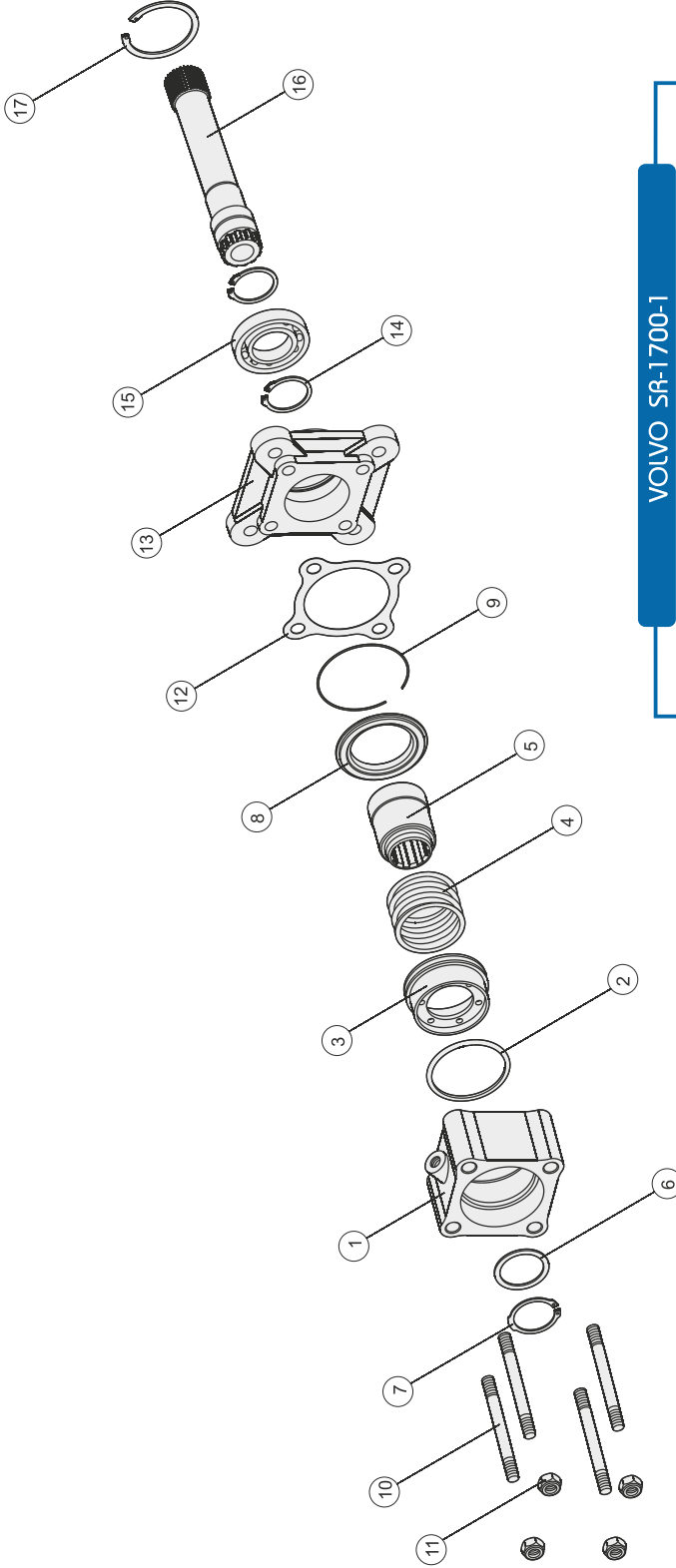
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24 Kgm	235,4 Nm
Güç(1000 rpm) / Power	30,6 Hp	22,9 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	14 kg	30,8 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
SR/R 70-72	FL 7 - FL 10 - F 10 - F12 - N 12 - N 10 NL 12 VOLVO

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

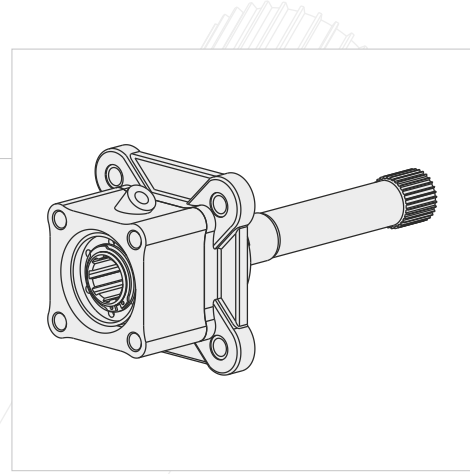
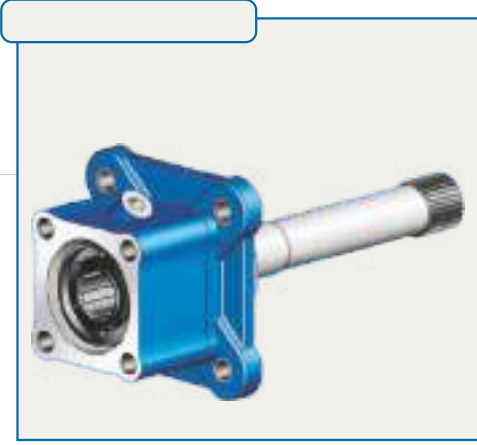
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

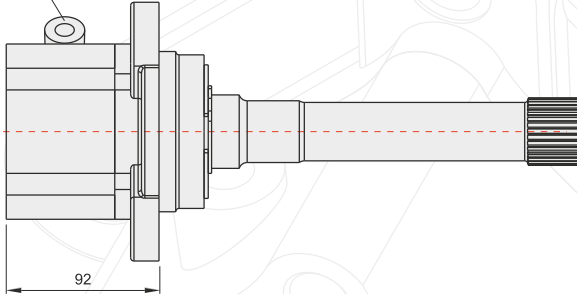


VOLVO SR-1700-1

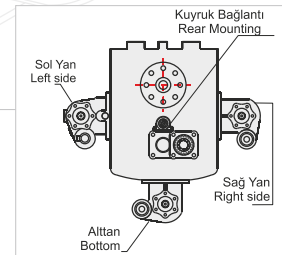
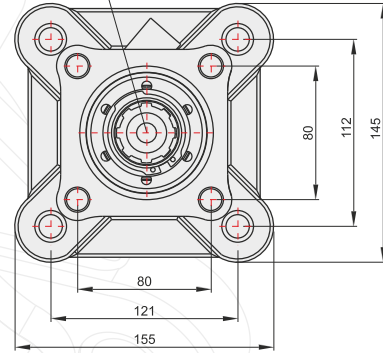
Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	69,22x5,33 X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	R6 Kavrma-45
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	1700 Ortalayıcı Pul
1	9	1.70 Tel Segman
4	10	M12x120 Saplama
4	11	M12 Somun
1	12	Conta
1	13	Sr 1700 Plate
2	14	471-45 Segman
1	15	6009 Rulman
1	16	Sr 1700 Kardan Mili
1	17	472-75 Segman
24	TOPLAM PARÇA SAYISI	



HAVA GİRİŞİ R 1/4"  
AIR INLET R 1/4"



DIN 5462 - 6x21x25



### GENEL BİLGİLER/GENERAL DATA

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	25 Kgm	245 Nm
Güç(1000 rpm) / Power	22,7 Hp	16,9 Kw
Devir / Speed	450 rpm	450 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	9 kg	19,8 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right -ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
SR/R 1000/1400-1700-1900-2000-SRO 2400	FL 10 320-NL 12-FH 16 520-FH 12 420 FM 12-FH 16-FM 10-FM 12 VOLVO FL 616-FL 7-F 10-FL 10-F 12-F 16-N 10-N 12-FL 7-NL 12-F 16

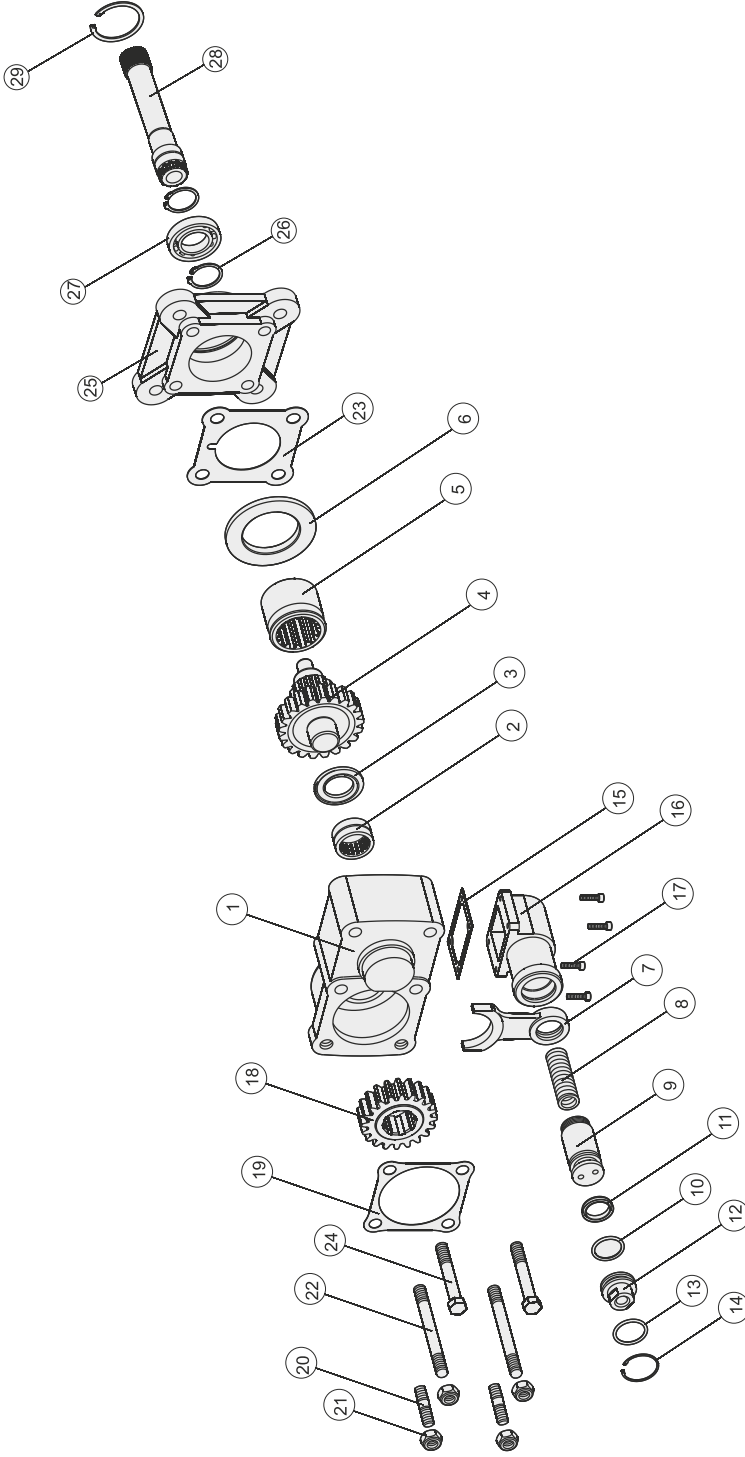
Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

POWER TAKE OFF

P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



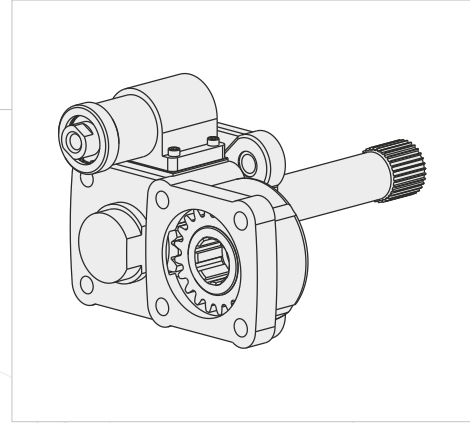
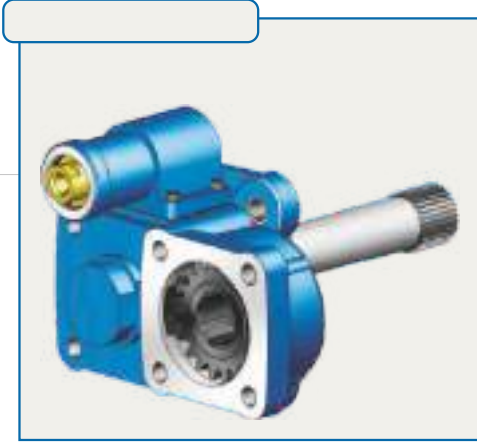
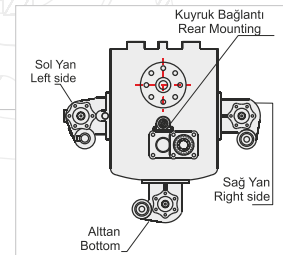
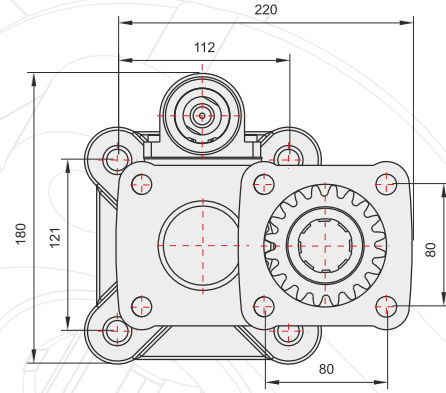
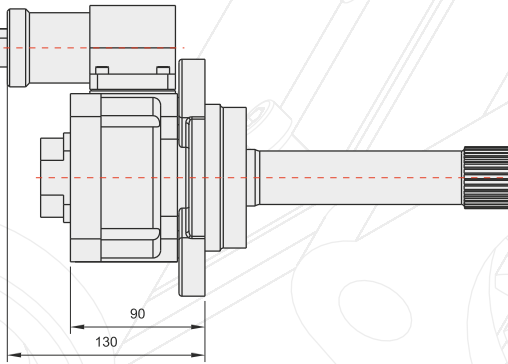
VOLVO SR-1700-2

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulu
1	7	İlial
1	8	Prömatik Piston Yayı
1	9	Prömatik Piston
1	10	3x27 O-ring
1	11	33X25X5,5 Nutring
1	12	Prömatik Kapak
1	13	29,75x3,53 O-ring
1	14	472- 36 Segman
1	15	Prömatik Kovan Contası
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
2	20	M12x45 Saplama
4	21	M12 Somun
2	22	M12x120 Aks Saplama
1	23	Conta
2	24	M12x90 Civata
1	25	Sr 1700 Plate
2	26	471-45 Segman
1	27	6009 Rulman
1	28	Sr 1700 Kardan Mili
1	29	472-75 Segman
39		

**VOLVO / SR-1700-2**

POWER TAKE OFF

P.T.O.


 HAVA GİRİŞİ R 1/4"  
 AIR INLET R 1/4"

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24 Kgm	235,5 Nm
Güç(1000 rpm) / Power	22,5 Hp	16,8 Kw
Devir / Speed	682 rpm	682 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	14 kg	30,9 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO

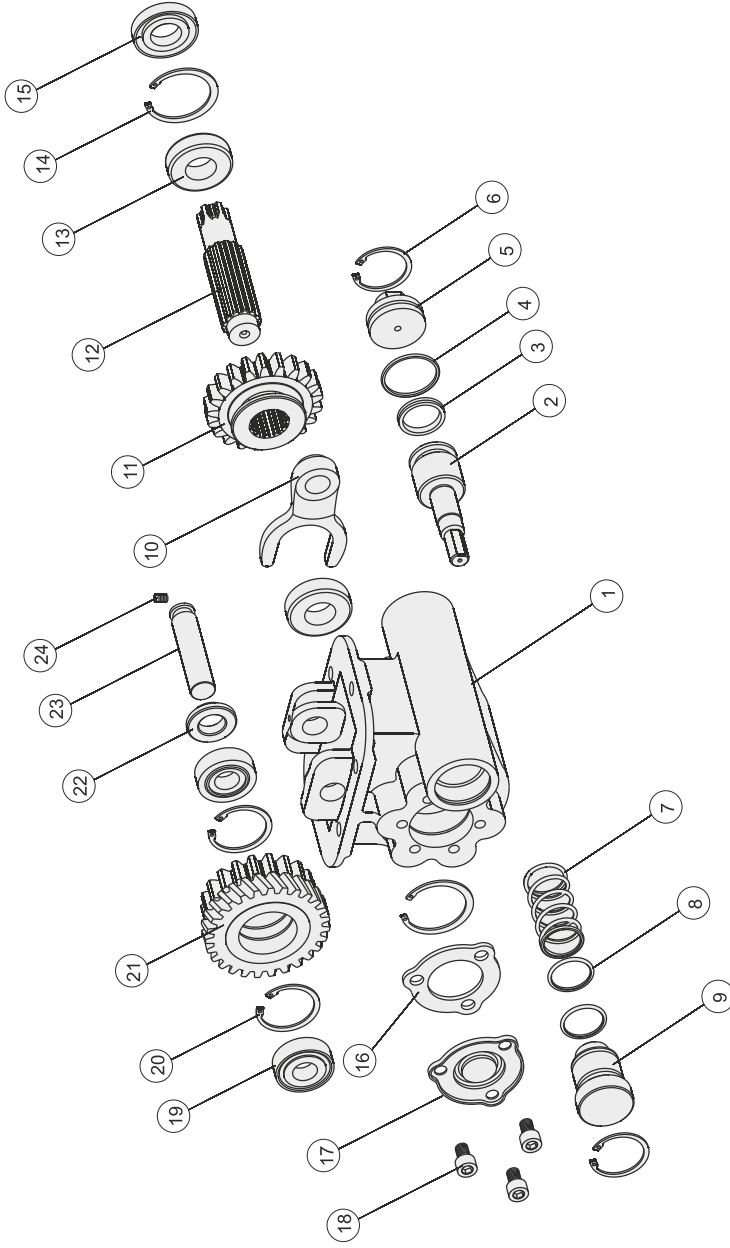
Ana Şanzıman / Gearbox	
SR/R 1000/1400-1700-1900-2000-SRO 2400	

Kullanılan Bazı Araçlar / Used Vehicles
FL 10 320-NL 12-FH 16 520-FH 12 420 FM 12-FH 16-FM 10-FM 12 VOLVO FL 616-FL 7-F 10-FL 10-F 12-F 16-N 10-N 12-FL 7-NL 12-F 16

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

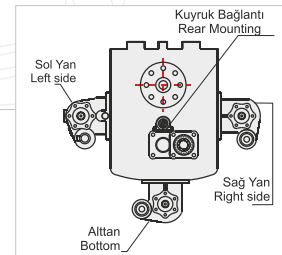
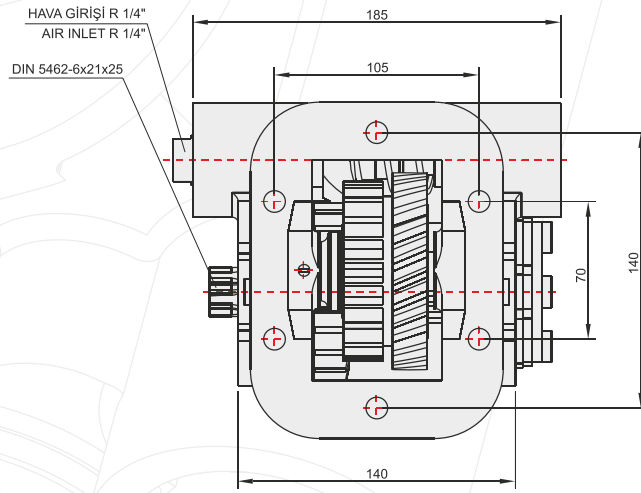
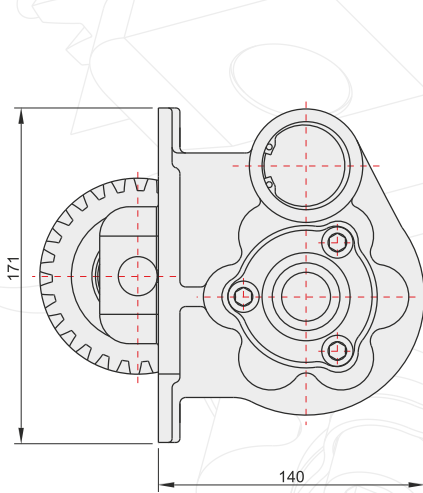
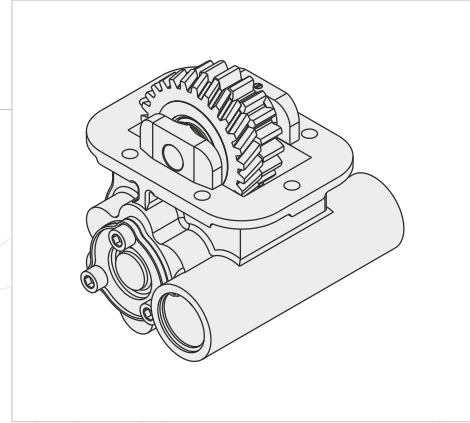
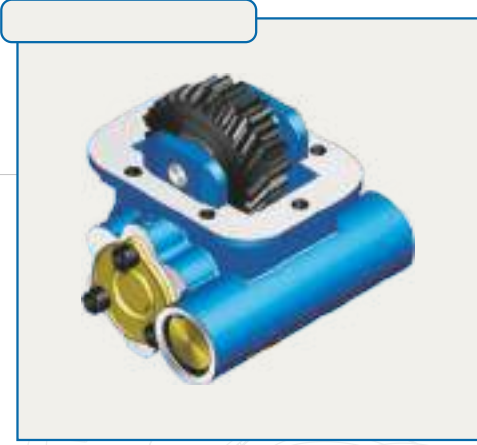
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



TURNER 3017

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Pnömatik Mil
1	3	31x38x4,5 Nutring
1	4	45.3x3 O-ring
1	5	Pnömatik Kapak
2	6	472-45 Segman
1	7	Yay
2	8	38.3x3 O-ring
1	9	Pnömatik Kapak2
1	10	Hilal
1	11	Alt Dişli
1	12	Alt Mil
2	13	6205 Rulman
2	14	472-52 Segman
1	15	25x52x10 Keçe
1	16	Conta
1	17	Pto Yan Kapak
3	18	M10x16 Civata
2	19	30204 Rulman
2	20	472-47 Segman
1	21	Üst Dişli
1	22	2.5x39,5x15 Pul
1	23	Üst Mil
1	24	M6x10 Setskur
32		TOPLAM PARÇA SAYISI

Adet	Parça No	Parça Adı
2	13	6205 Rulman
2	14	472-52 Segman
1	15	25x52x10 Keçe
1	16	Conta
1	17	Pto Yan Kapak
3	18	M10x16 Civata
2	19	30204 Rulman
2	20	472-47 Segman
1	21	Üst Dişli
1	22	2.5x39,5x15 Pul
1	23	Üst Mil
1	24	M6x10 Setskur
32		TOPLAM PARÇA SAYISI


**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE		
Tork / Torque	20,7 Kgm	203 Nm
Güç(1000 rpm) / Power	26,5 Hp	19,8 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1,28	1/1,28
Ağırlık / Weight	12 kg	26,4 lb
Bağlantı / Mounting	Sağ Yan	Right Side
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - UNI	Right - UNI

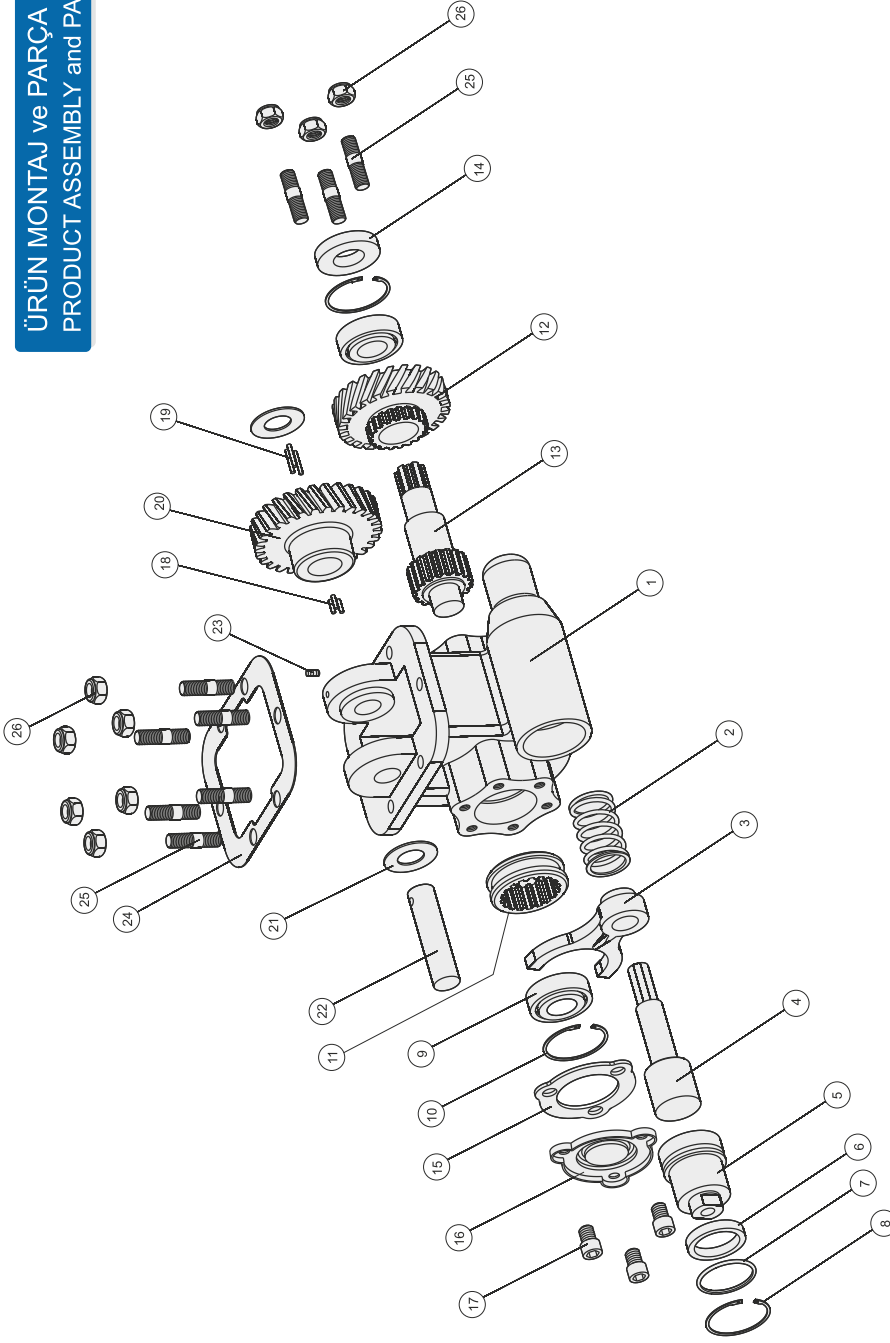
Ana Şanzıman / Gearbox
TURNER - SPICER T5 A 2801-2803-2811-3016-3017-3047-3058-3068-3158 R

Kullanılan Bazı Araçlar / Used Vehicles
1340-1840 BMC - 140 BMC - AS 600 B.BEDFORD - 1210-1212-1312-FORD (66-83) FREIGHTER 302 LEYLAND

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

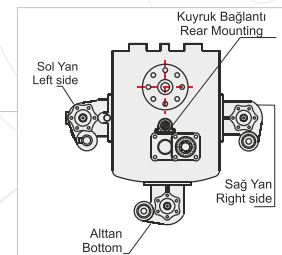
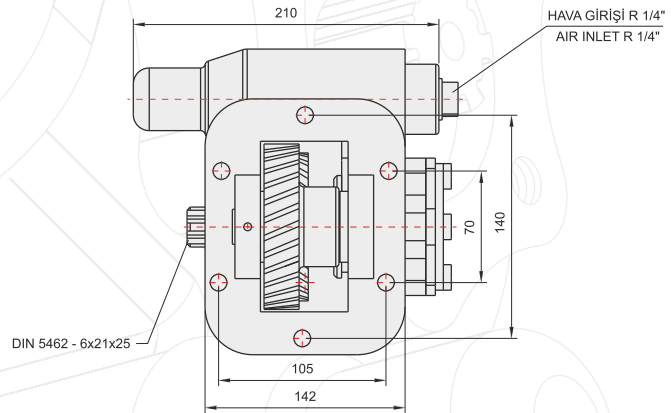
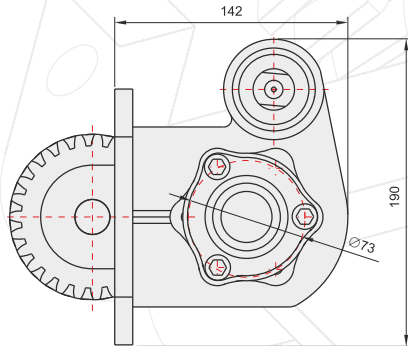
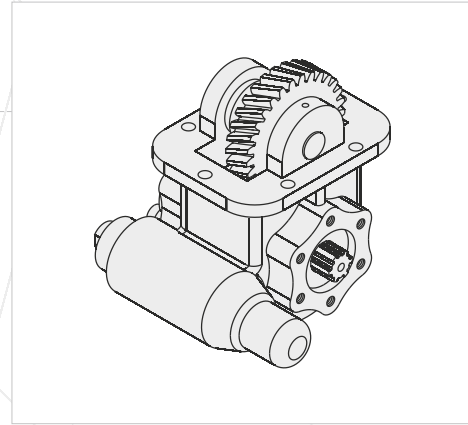
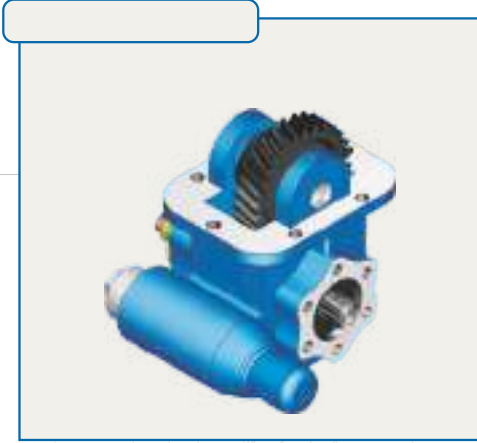
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



TURNER T5C4060

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Phömatik Mil
1	5	Phömatik Kovan
1	6	38x48,1x8 Nutring
1	7	3,53x42,86 O-ring
1	8	Tel Segman
2	9	472-52 Segman
2	10	30205 Rulman
1	11	Senkromec
1	12	4060 Alt Dişli
1	13	6x18 Alt Mil
1	14	25x52x10 Keçe
1	15	Conta
1	16	Pto Yan Kapak
3	17	M10x16 Cıvata
26	18	3x15,5 Masura Bilya
26	19	3x23,5 Masura Bilya
1	20	4060 Üst Dişli
2	21	22,5x44,5x1,5 Pul
1	22	Üst Mil
1	23	M6x10 Setskur
1	24	Conta
9	25	M10x45 Saplama
9	26	M10 Somun
97		TOPLAM PARÇA SAYISI





**GENEL BİLGİLER/GENERAL DATA**

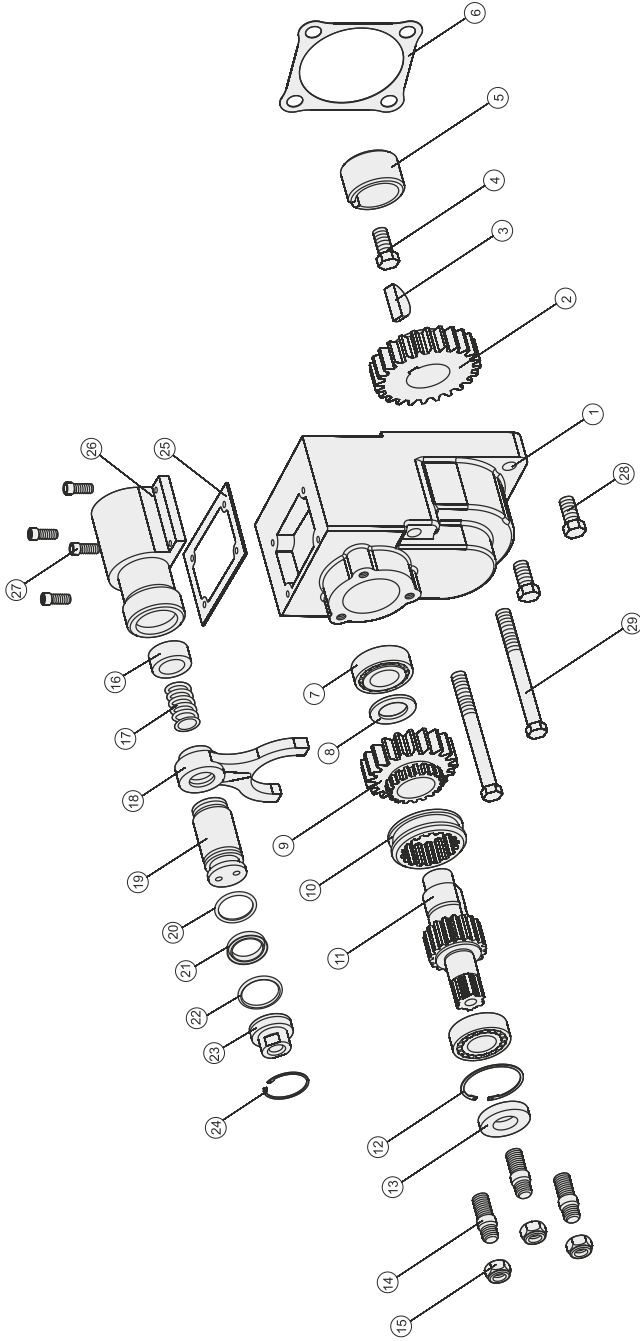
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	34 Kgm	333,4 Nm
Güç(1000 rpm) / Power	24,5 Hp	18,3 Kw
Devir / Speed	1000 rpm	1000 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	11,8 kg	26 lb
Bağlantı / Mounting	Sağ Yan	Right Side
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
TURNER - SPICER T5 C 4001-4058-4060-4068-4084 R-L	162.22-162.25-170.25 FATİH / YAVUZ 1850-2200 / 700-800-900- DODGE 1210 FORD

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

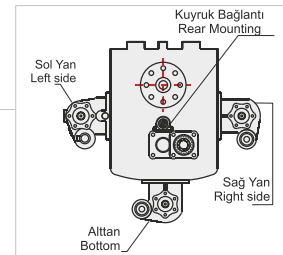
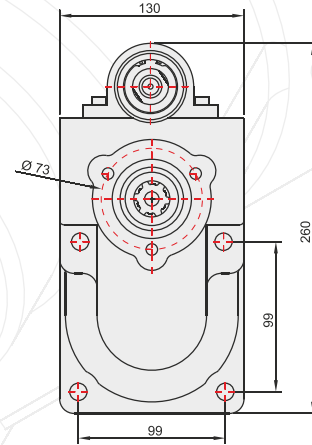
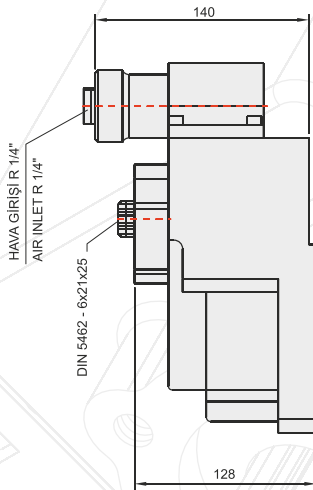
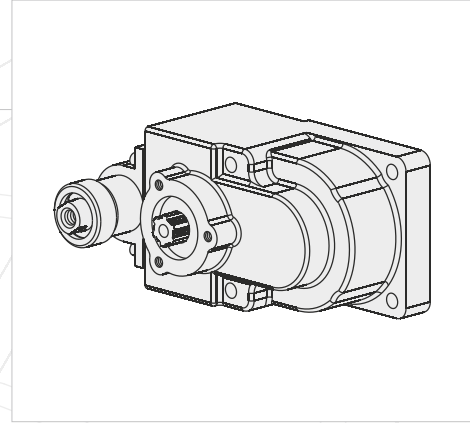
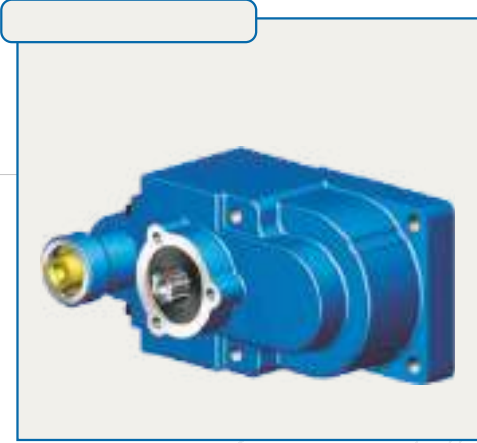
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



TURNER T5C4060

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Grup Dişlisi
1	3	Yarım Ay Kama
1	4	1/2"x25 Cıvata
1	5	14x31 Pul
1	6	Conta
2	7	Ni 205 Rulman
1	8	25.5x39.5x3 Pul
1	9	Küçük Dişli
1	10	Senkromeç
1	11	6x18 Alt Mil
1	12	472-52 Segman
1	13	25x52x10 Keçe
3	14	M10x45 Saplama
3	15	M10 Somun

Adet	Parça No	Parça Adı
1	16	25x35x15 Ortalama Pulü
1	17	Prömatik Yay
1	18	Hilal
1	19	Prömatik Piston
1	20	3x27 O-ring
1	21	33x25x5.5 Nutring
1	22	29,75x3,53 O-ring
1	23	Prömatik Kapak
1	24	472-36 Segman
1	25	Prömatik Kovan Contası
1	26	Prömatik Kovan
4	27	M6x20 Cıvata
2	28	7/16"x115 Cıvata
2	29	7/16"x40 Cıvata
39		


**POWER TAKE OFF**
**P.T.O.**
**GENEL BİLGİLER/GENERAL DATA**

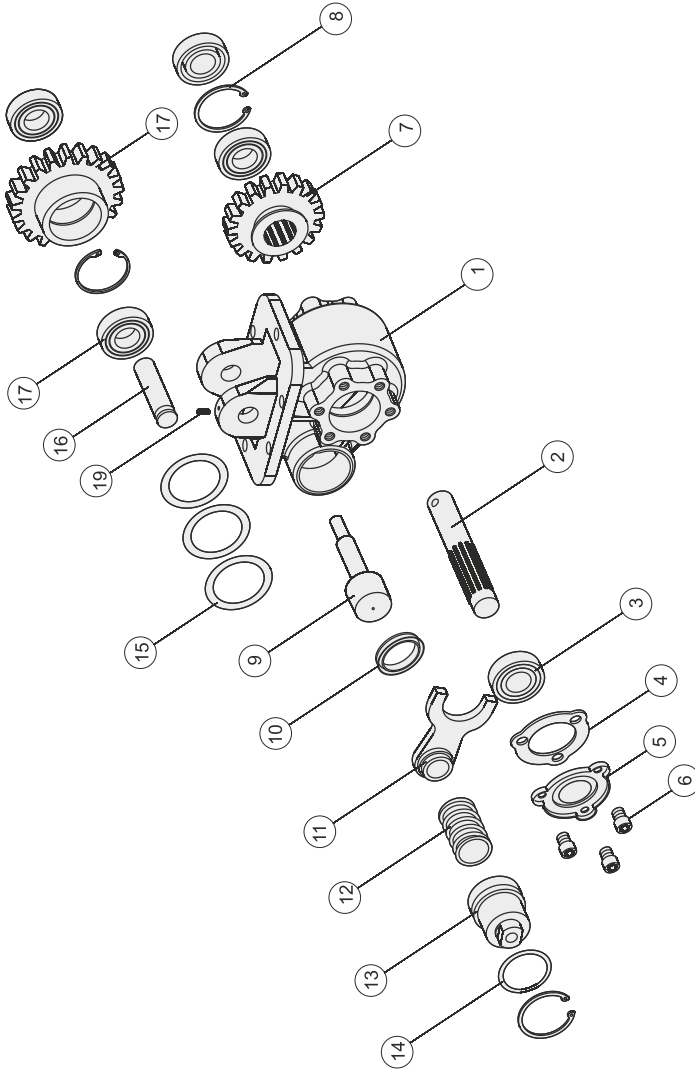
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	24,9 Kgm	244,2 Nm
Güç(1000 rpm) / Power	23,9 Hp	17,8 Kw
Devir / Speed	500 rpm	500 rpm
Oran / Ratio	1/1,2	1/1,2
Ağırlık / Weight	11 kg	24,3 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol - UNI	Left - UNI

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
TURNER - SPICER T5 C 4001-4058-4060-4068-4084 R-L	162.22-162.25-170.25 FATİH / YAVUZ 1850-2200 / 700-800-900- DODGE 1210 FORD

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
 The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
 Fill the oil of the gear box after mounting the P.T.O.

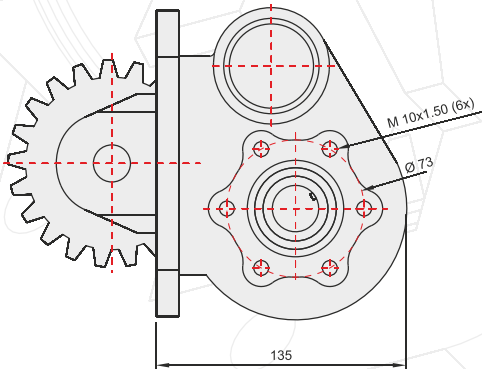
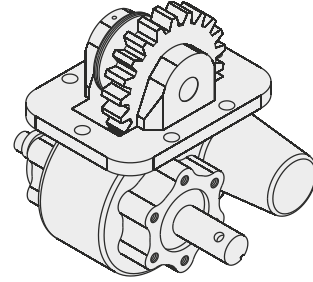
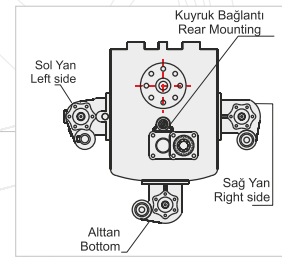
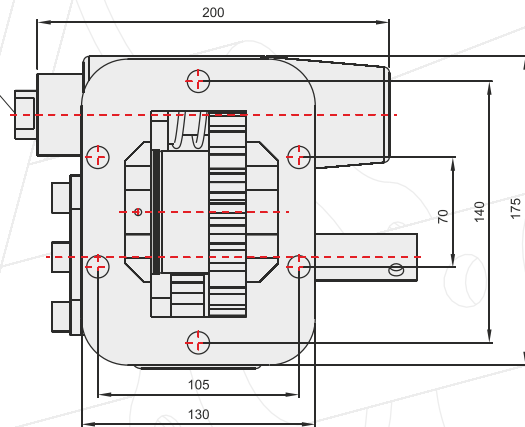
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MACK 1

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Alt Mil
3	3	6205 Rulman
1	4	Conta
1	5	Pto Yan Kapak
3	6	M10x16 Civata
1	7	Alt Dişli
3	8	472-52 Segman
1	9	PNömatik Mil
1	10	38x48, 1x8 Nutring

Adet	Parça No	Parça Adı
1	11	Hilal
1	12	Yay
1	13	PNömatik Kapak
1	14	3.53x42.86 O-ring
3	15	Raynel
1	16	Ust Mil
2	17	30204 Rulman
1	18	Ust Dişli
1	19	M6x10 Setskur


 AIR INLET R 1/4"  
 HAVA GİRİŞİ R 1/4"


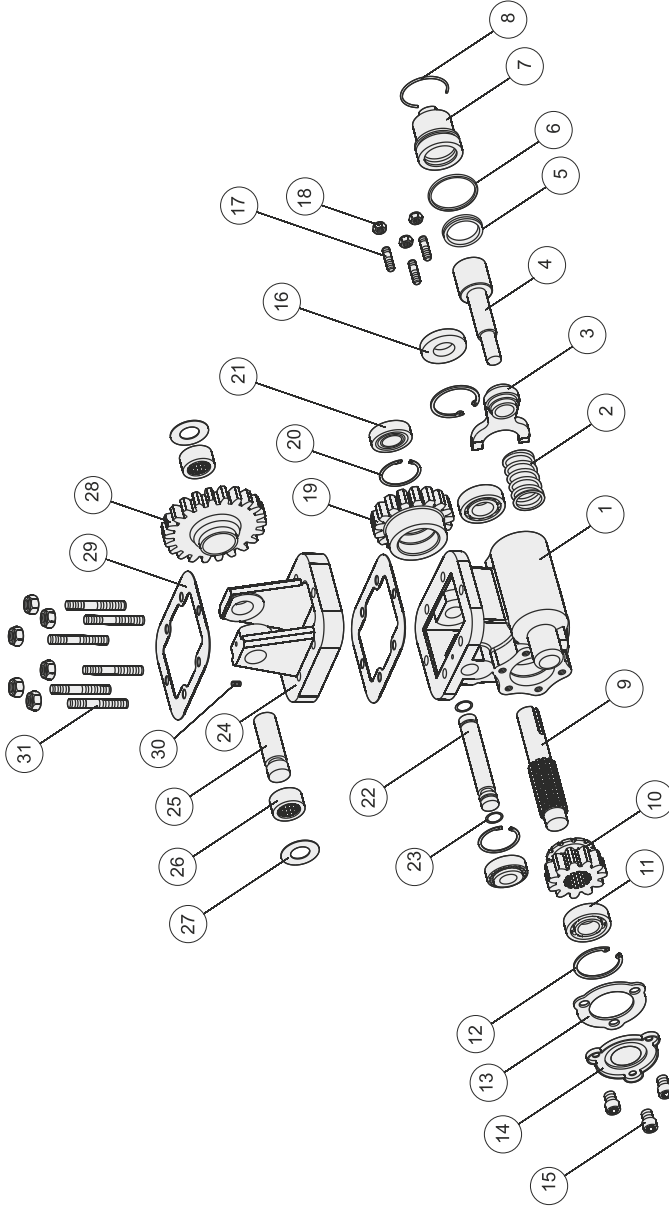
POWER TAKE OFF

P.T.O.

**GENEL BİLGİLER/GENERAL DATA**

P.T.O. KODU / P.T.O. CODE	Ana Şanzıman / Gearbox		Kullanılan Bazı Araçlar / Used Vehicles
Tork / Torque	25 Kgm	245 Nm	MAC DM 600-DM611 S 6296
Güç(1000 rpm) / Power	47Hp	35 Kw	
Devir / Speed	950 rpm	950 rpm	
Oran / Ratio	1/1,16	1/1,16	
Ağırlık / Weight	11,75 kg	25,9 lb	
Bağlantı / Mounting	Sağ-Sol	Right-Left	
Kumanda / Control	Havalı	Pneumatic	
Dönüş / P.T.O. Rotation	Sağ	Right	
Seçtiğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır. The rotation of the choosen pump has to be opposite with the rotation of P.T.O.			
P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın. Fill the oil of the gear box after mounting the P.T.O.			

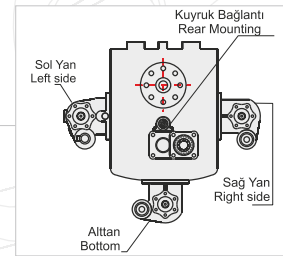
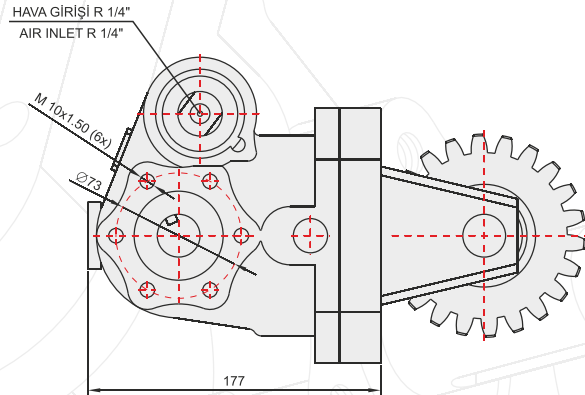
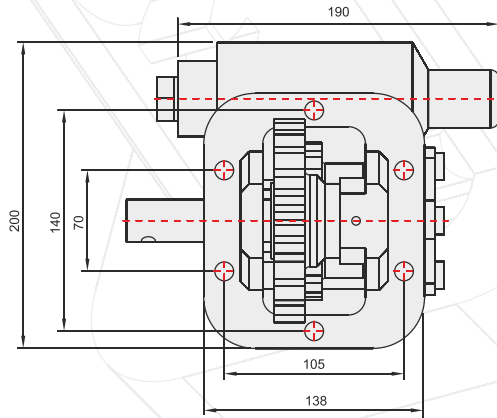
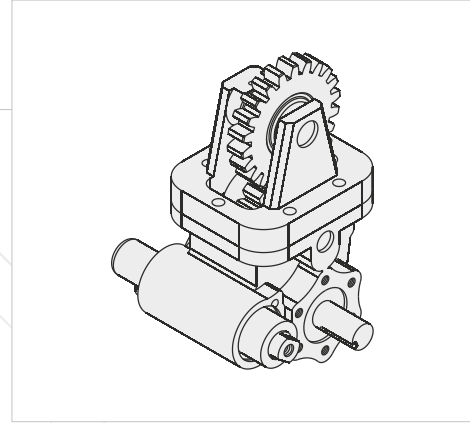
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



MACK 2

Adet	Parça No	Parça Adı
1	1	Gövde
1	2	Yay
1	3	Hilal
1	4	Pnömatik Mil
1	5	38x48, 1x8 Nutring
1	6	3.53x42,89 O-ring
1	7	Pnömatik Kovan
1	8	Tel Segman
1	9	Alt Mil
1	10	Alt Dişli
2	11	6205 Rulman
2	12	472-52 Segman
1	13	Conta
1	14	Pto Yan Kapak
3	15	M10x16 Civata
1	16	25x52x10 Keçe

Adet	Parça No	Parça Adı
3	17	M10x45 Saplama
9	18	M10 Somun
1	19	Üst Dişli
2	20	472-47 Segman
2	21	30204 Rulman
1	22	Üst Mil
2	23	2.35x20 O-ring
1	24	Uzatma Aparatı
1	25	Uzatma Milli
2	26	Ncs 1612 Rulman
2	27	22.5x44,5x1,5 Pul
1	28	Uzatma Dişlisi
2	29	Conta
1	30	M6x10 Setskur
6	31	M10x70 Saplama



### GENEL BİLGİLER/GENERAL DATA

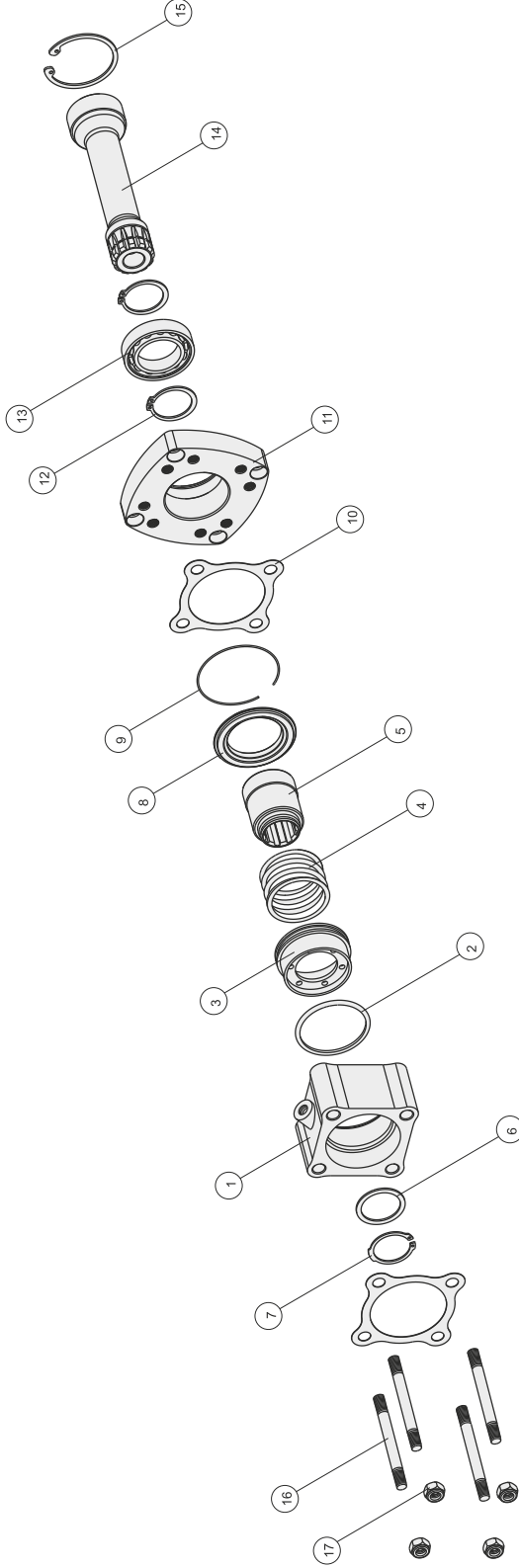
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	37,2 Kgm	364,9 Nm
Güç(1000 rpm) / Power	34,5 Hp	25,8 Kw
Devir / Speed	675 rpm	675 rpm
Oran / Ratio	1/1,04	1/1,04
Ağırlık / Weight	12 kg	26,5 lb
Bağlantı / Mounting	Sağ	Right
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sol	Left

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
TRL-TRDL-TRXL-TRDXL-DX-DM 686-107-1070-1071-1075-1076- 1078-10780	MAC DM 686-868ST-SX-F700-F712- F786-F975

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST

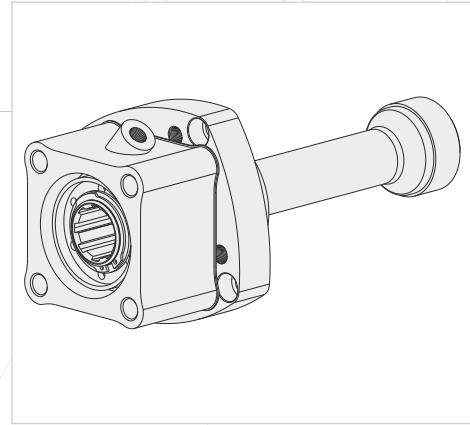
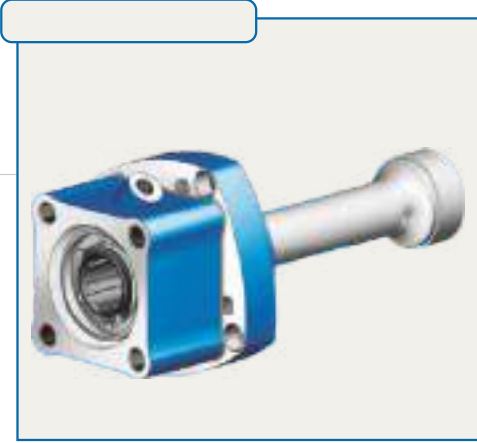


LIJAZ 1

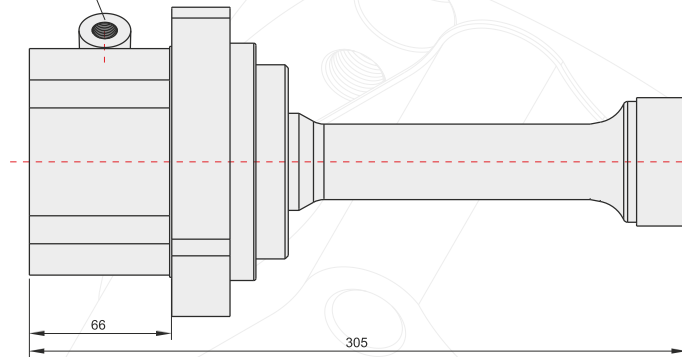
Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	69,22x5,33 X-ring
1	3	Zf1 Piston
1	4	Zf1 Yay
1	5	Zf1 Kavrama
1	6	42x52x2 Pul
1	7	471-42 Segman
1	8	Zf1 Ortalayıcı Pul
1	9	1,70 Tel Segman

Adet	Parça No	Parça Adı
1	10	Zf1 Conta
4	11	Plate
1	12	471-45 Segman
1	13	6009 Rulman
2	14	Liaz Kardan Mili
4	15	472-75 Segman
2	16	M12x120 Saplama
1	17	M12 Somun
25		TOPLAM PARÇA SAYISI

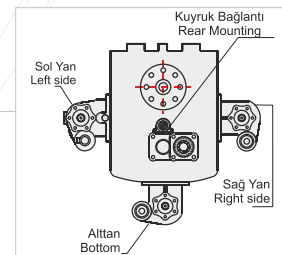
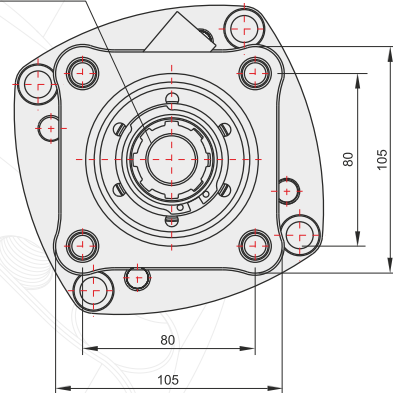




AIR INLET R 1/4"  
HAVA GİRİŞİ R 1/4"



DIN 5462 8x32x35



### GENEL BİLGİLER/GENERAL DATA

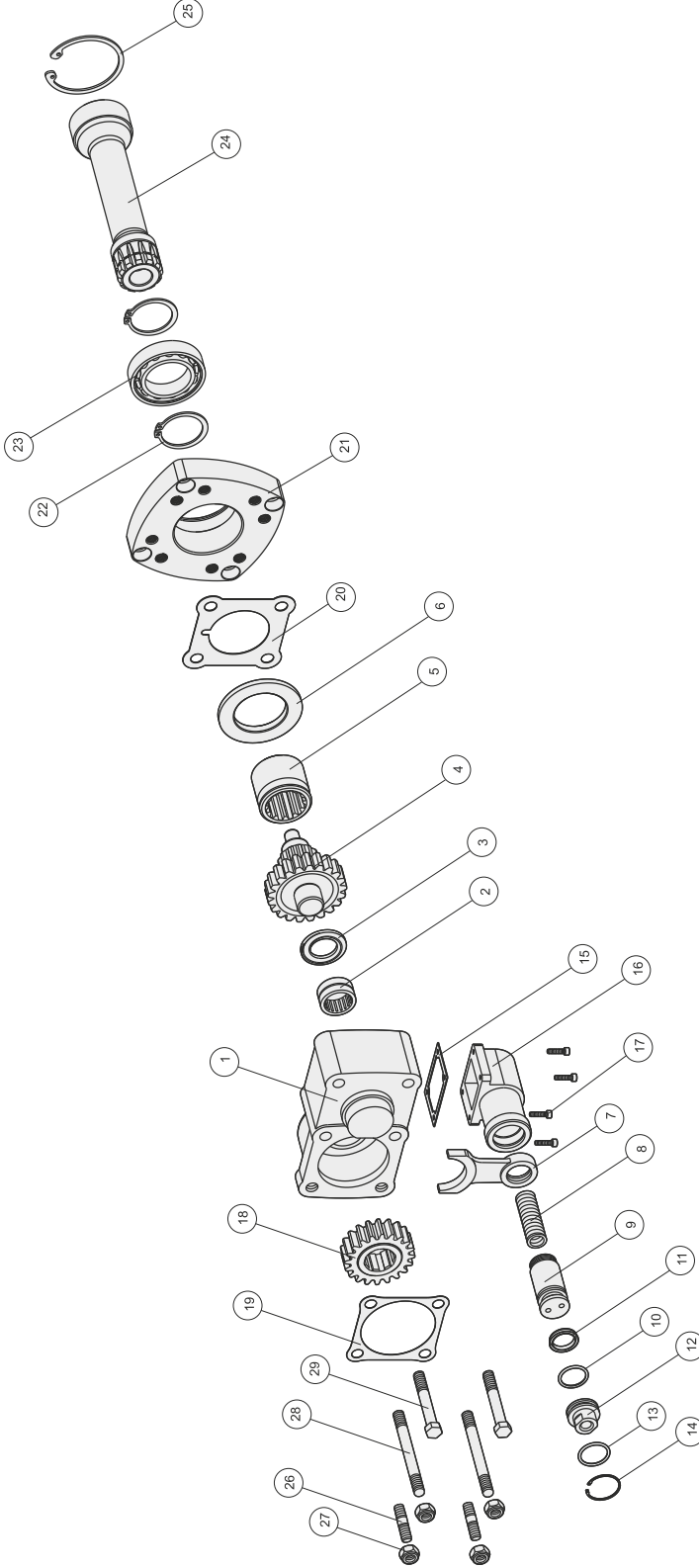
P.T.O. KODU / P.T.O. CODE		
Tork / Torque	48,9 Kgm	479,5 Nm
Güç(1000 rpm) / Power	34,5 Hp	25,7 Kw
Devir / Speed	513 rpm	513 rpm
Oran / Ratio	1/1	1/1
Ağırlık / Weight	12,35 kg	27,2 lb
Bağlantı / Mounting	Kuyruk	Rear
Kumanda / Control	Havalı	Pneumatic
Dönüş / P.T.O. Rotation	Sağ - ISO	Right - ISO

Ana Şanzıman / Gearbox	Kullanılan Bazı Araçlar / Used Vehicles
LIAZ	LIAZ

Seçeğinizin pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the chosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

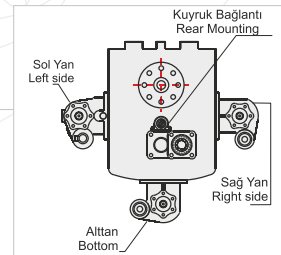
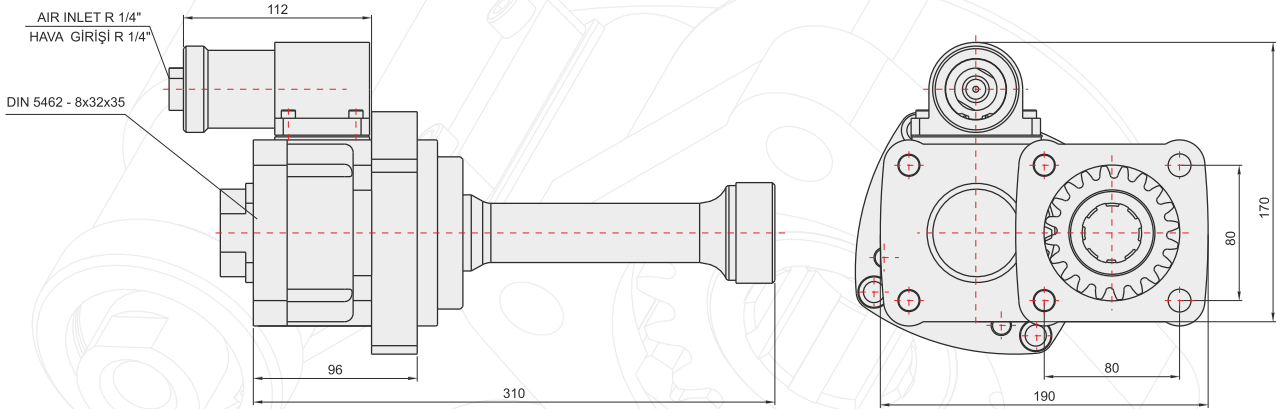
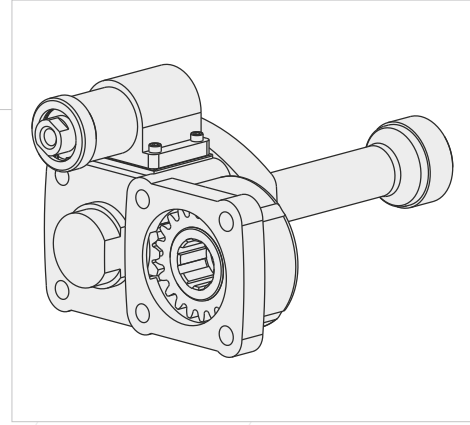
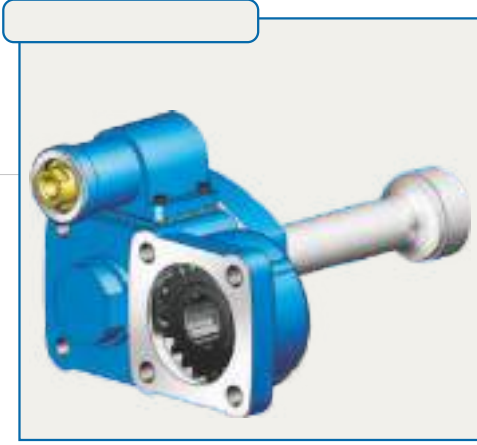
ÜRÜN MONTAJ ve PARÇA LİSTESİ  
PRODUCT ASSEMBLY and PART LIST



LIFZ 2

Adet	Parça No	Parça Adı
1	1	Zf2 Gövde
1	2	Nk 30-20 Rulman
1	3	31x52x4 Bronz Pul
1	4	Grup Dişlisi
1	5	Kavrama Dişlisi
1	6	Zf2 Merkezleme Pulü
1	7	Hilal
1	8	Prömatik Piston Yayı
1	9	Prömatik Piston
1	10	3x27 O-ring
1	11	33x25x5.5 Nutring
1	12	Prömatik Kapak
1	13	29.75x3.53 O-ring
1	14	472-36 Segman
1	15	Prömatik Kovan Contası

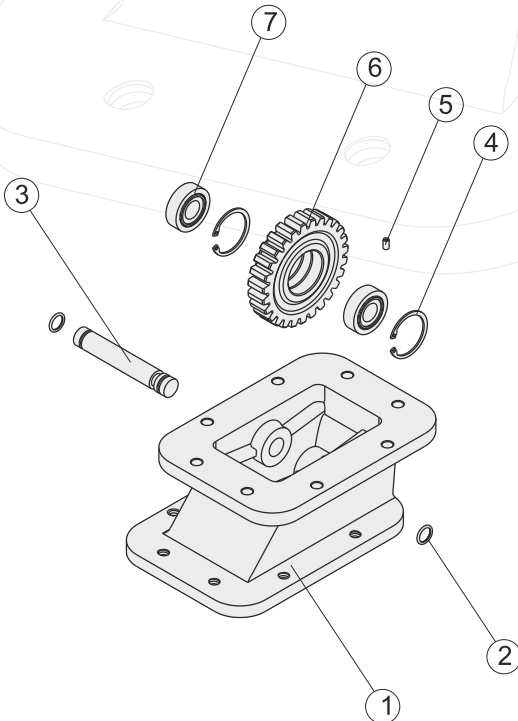
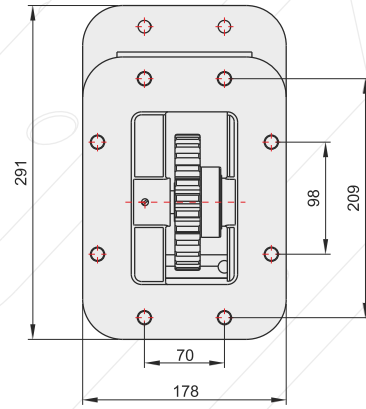
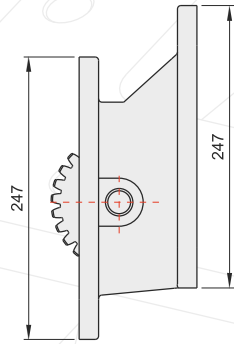
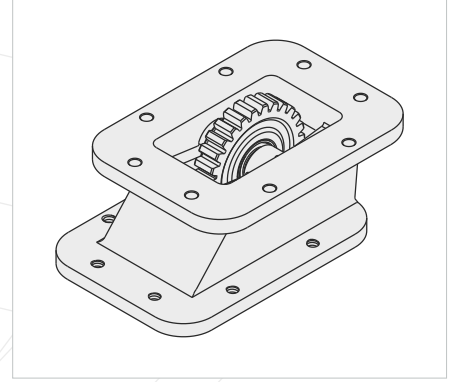
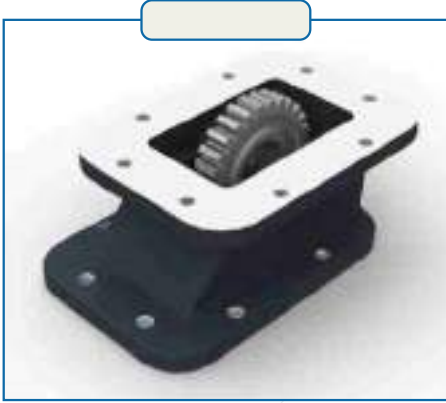
Adet	Parça No	Parça Adı
1	16	Prömatik Kovan
4	17	M5x20 Inbus
1	18	8x20 Dişli
1	19	Conta
1	20	Conta
1	21	Plate
2	22	471-45 Segman
1	23	6009 Rulman
1	24	Liaz Kardan Mili
1	25	472-75 Segman
2	26	M12x45 Aks Saplama
4	27	M12 Somun
2	28	M12x120 Aks Saplama
2	29	M12x90 Civata
39		


**GENEL BİLGİLER/GENERAL DATA**

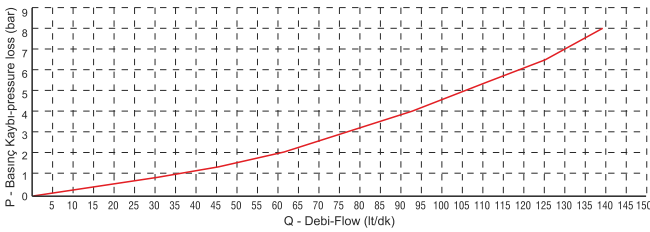
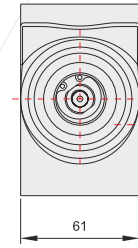
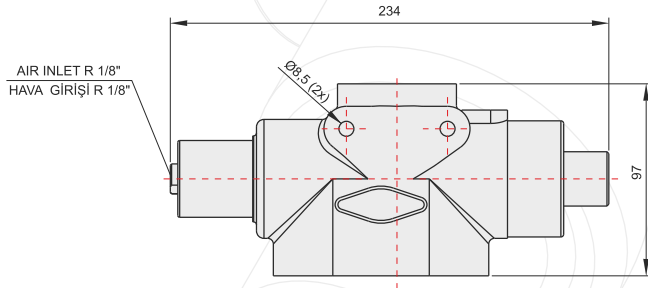
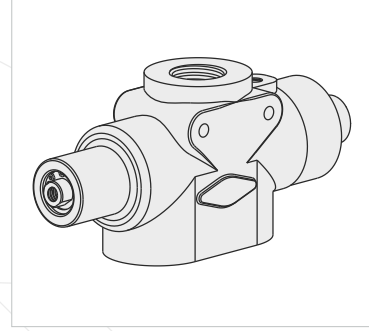
P.T.O. KODU / P.T.O. CODE	Ana Şanzıman / Gearbox		Kullanılan Bazı Araçlar / Used Vehicles
Tork / Torque	26,5 Kgm	260 Nm	LIAZ
Güç(1000 rpm) / Power	24,5 Hp	18,3 Kw	LIAZ
Devir / Speed	675 rpm	675 rpm	
Oran / Ratio	1/1,2	1/1,2	
Ağırlık / Weight	16,35 kg	36,04 lb	
Bağlantı / Mounting	Kuyruk	Rear	
Kumanda / Control	Havalı	Pneumatic	
Dönüş / P.T.O. Rotation	Sol - ISO	Left - ISO	

Seçeğiniz pompanın dönüş yönü, P.T.O. dönüş yönü ile ters olmalıdır.  
The rotation of the choosen pump has to be opposite with the rotation of P.T.O.

P.T.O. montaj edildikten sonra ana şanzıman yağını tamamlayın.  
Fill the oil of the gear box after mounting the P.T.O.

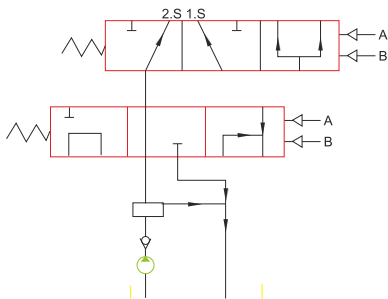


Adet	Parça No	Parça Adı	
1	1	Gövde	
2	2	2,35x20 O-ring	
1	3	Üst Mil	
2	4	472-47 Segman	
1	5	M6x10 Setskur	
1	6	Üst Dişli	
2	7	30204 Rulman	
10	TOPLAM PARÇA SAYISI		



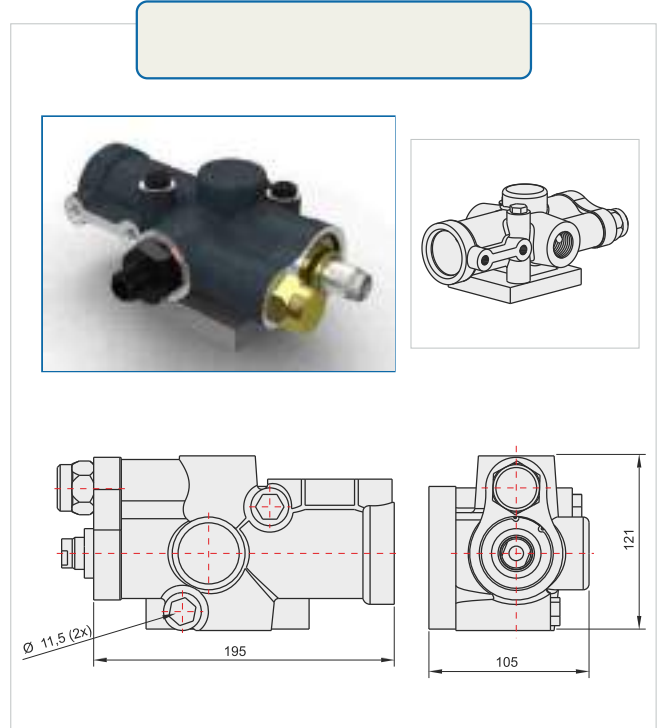
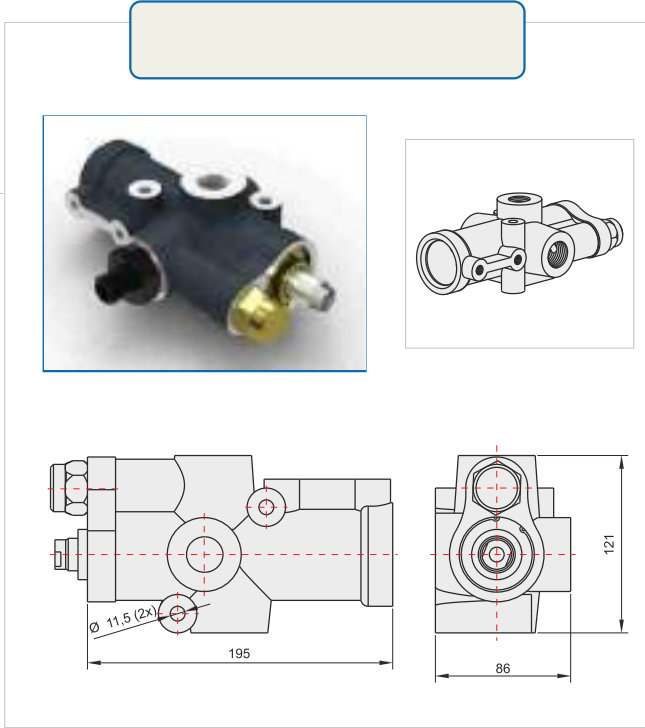
**GENEL BİLGİLER/GENERAL DATA**

VENTİL KODU	1"Düz Rakorlu 1" Straight Fitting
Debi Hızı / Flow Rate	140 lt/dk
Max. Basınç / Max. Press.	190 bar
Ağırlık / Weight(kg)	7,5 kg
Max. Pnömatik Basınç Max. Pneumatic Press.	12 bar
Akışkan / Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil



## YÖN VETİLİ DIRECTIONAL VALVE

## TANK YÖN VETİLİ DIRECTIONAL TANK VALVE

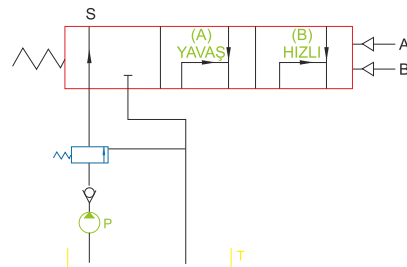
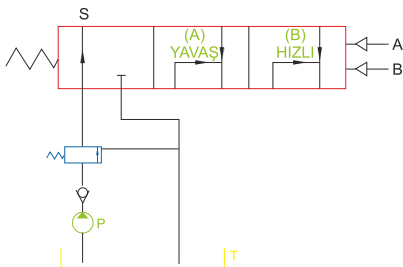
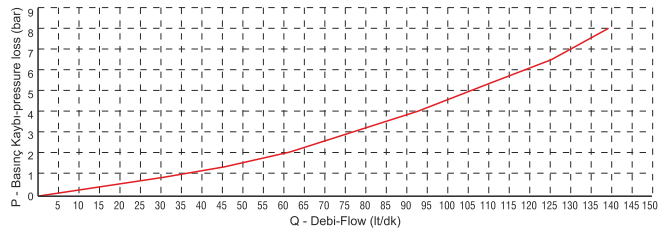
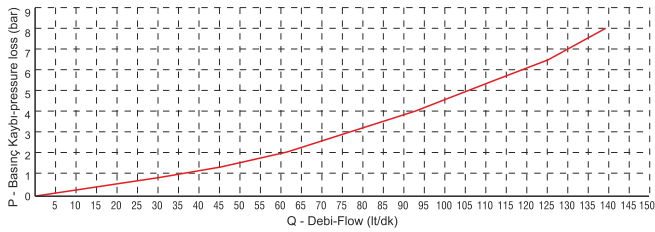


### GENEL BİLGİLER/GENERAL DATA

VENTİL KODU	3/4"Rakorlu 3/4"Fitting	1"Düz Rakorlu 1"Straight Fitting	1"Ters Rakorlu 1"Reverse Fitting
Debi Hızı /Rate	110 lt/dk	140 lt/dk	140 lt/dk
Max. Basınç / Max. Press	190 bar	190 bar	190 bar
Çal. Basıncı / Working Press	170 bar	170 bar	170 bar
Ağırlık / Weight(kg)	6 kg	6 kg	6 kg
Max. Pnömatik Basınç Max. Pneumatic Press	12 bar	12 bar	12 bar
Akışkan / Fluid	Mineral bazlı hidrolik yağ/ Mineral based hydraulic oil		

### GENEL BİLGİLER/GENERAL DATA

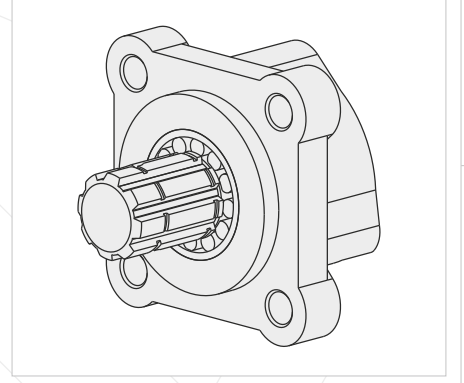
VENTİL KODU	3/4"Rakorlu 3/4"Fitting	1"Düz Rakorlu 1"Straight Fitting	1"Ters Rakorlu 1"Reverse Fitting
Debi Hızı /Rate	110 lt/dk	140 lt/dk	140 lt/dk
Max. Basınç / Max. Press	190 bar	190 bar	190 bar
Çal. Basıncı / Working Press	170 bar	170 bar	170 bar
Ağırlık / Weight(kg)	7,5 kg	7,5 kg	7,5 kg
Max. Pnömatik Basınç Max. Pneumatic Press	12 bar	12 bar	12 bar
Akışkan / Fluid	Mineral bazlı hidrolik yağ/ Mineral based hydraulic oil		



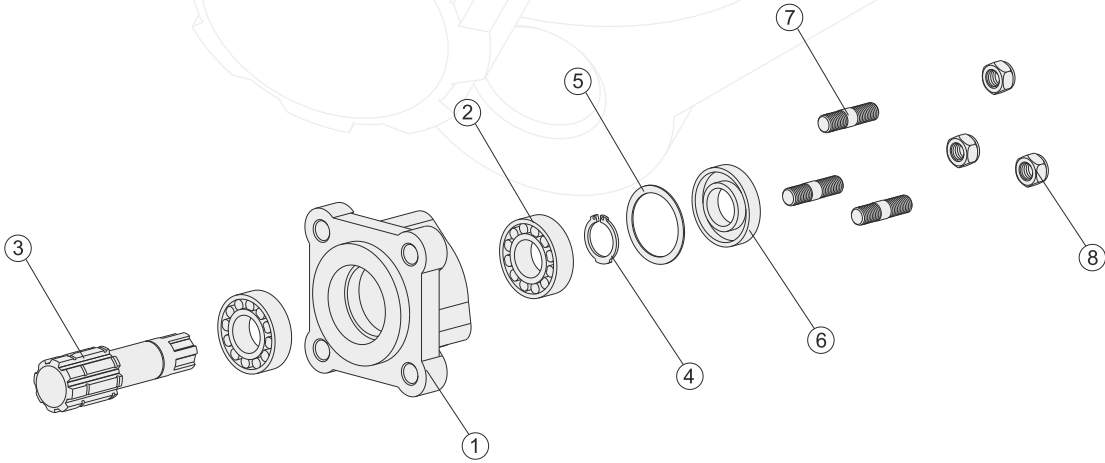
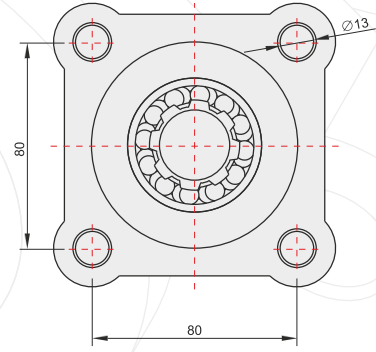
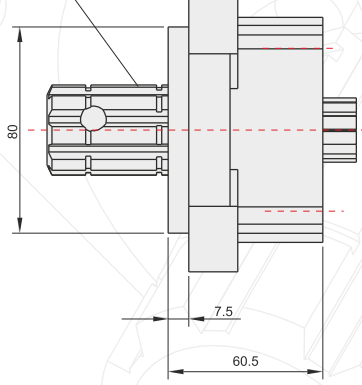
4X3 ISO ADAPTÖRÜ 4X3 ISO ADAPTER

ADAPTERS

ADAPTÖRLER

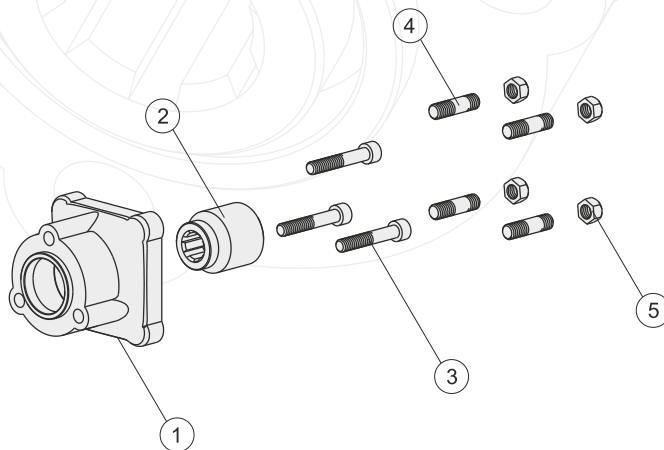
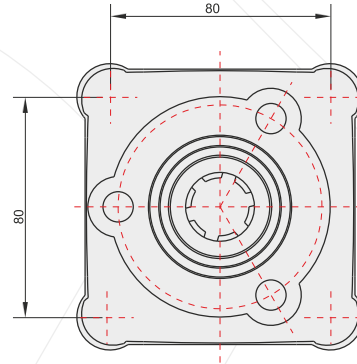
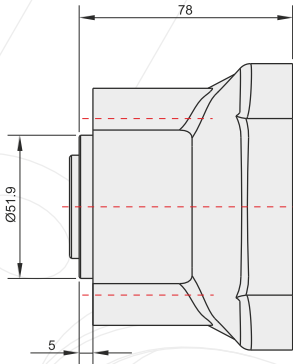
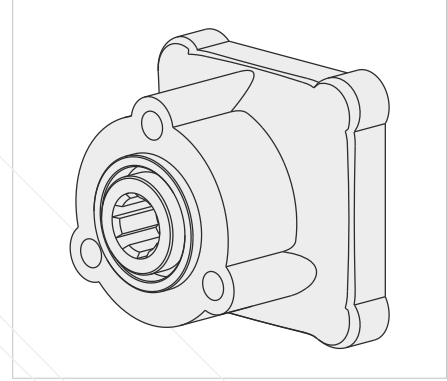


DIN 5462 - 6x21x25



Adet	Parça No	Parça Adı	
1	1	Gövde	
2	2	6205 Rulman	
1	3	6x8 Adaptör Mili	
1	4	471 Segman	
1	5	Raynel	
1	6	25x52x10 Keçe	
3	7	M10x45 Saplama	
3	8	M10 Somun	
13	TOPLAM PARÇA SAYISI		

3X4 UNI ADAPTÖRÜ / 3X4 UNI ADAPTER

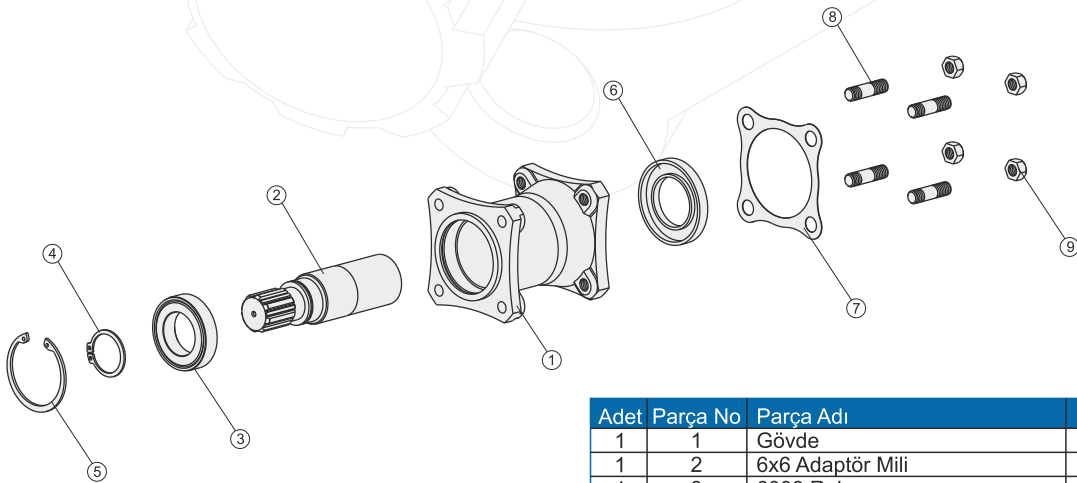
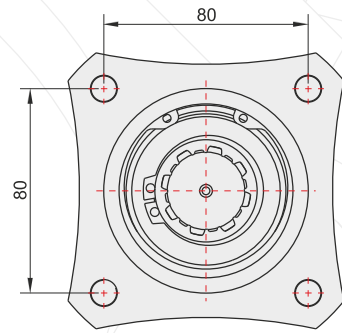
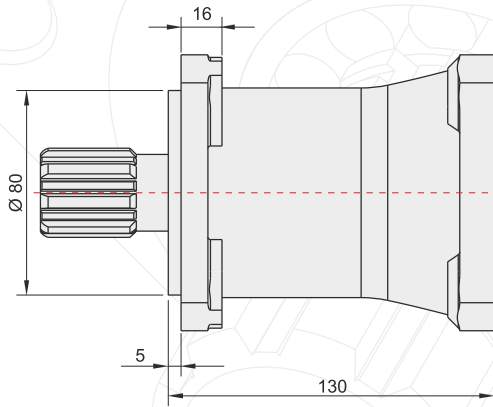
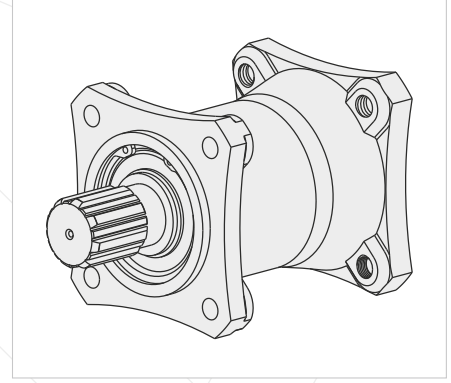


Adet	Parça No	Parça Adı
1	1	Zf1 Gövde
1	2	Kavrama
3	3	M12x60 Civata
4	4	M12x45 Saplama
4	5	M12 Somun
13	TOPLAM PARÇA SAYISI	

ADAPTERS

ADAPTÖRLER



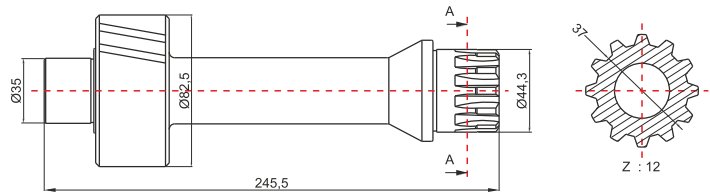
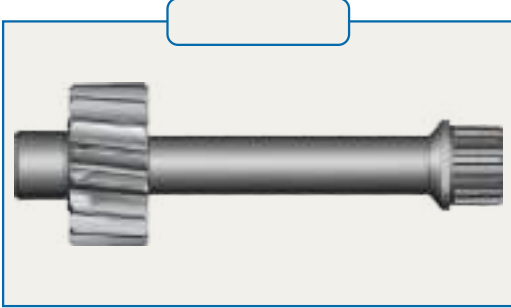


Adet	Parça No	Parça Adı	
1	1	Gövde	
1	2	6x6 Adaptör Mili	
1	3	6008 Rulman	
1	4	471-40 Segman	
1	5	472-68 Segman	
1	6	46x78x10 Keçe	
1	7	Conta	
4	8	M12x45 Saplama	
4	9	M12 Somun	
15	TOPLAM PARÇA SAYISI		

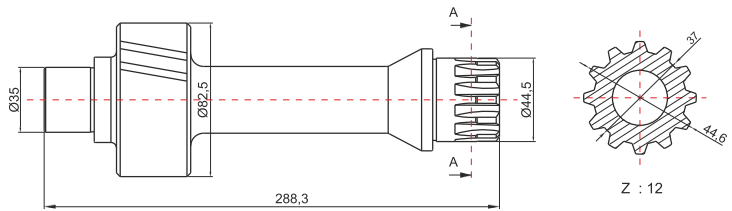
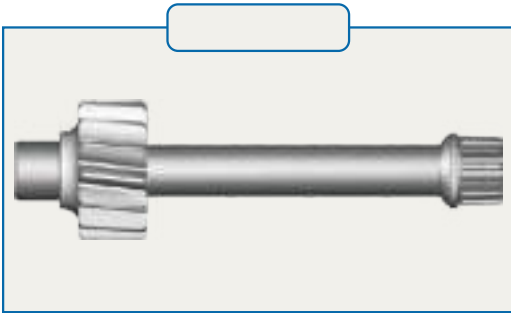
## KARDAN MILLERİ

## CARDAN SHAFTS

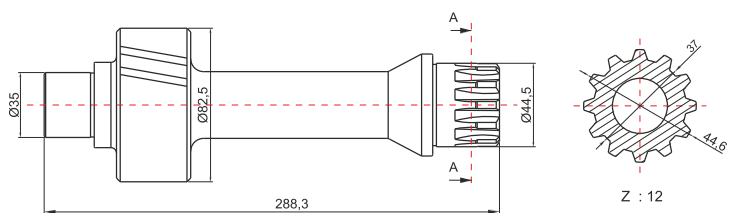
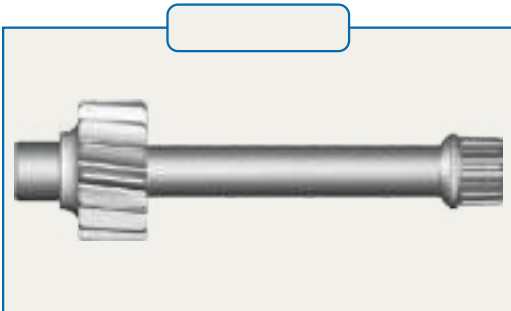
ZF 9S 75 KARDAN MiLi/CARDAN SHAFT



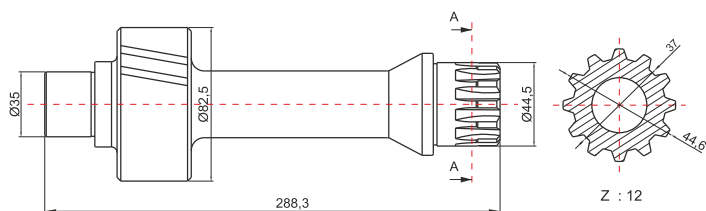
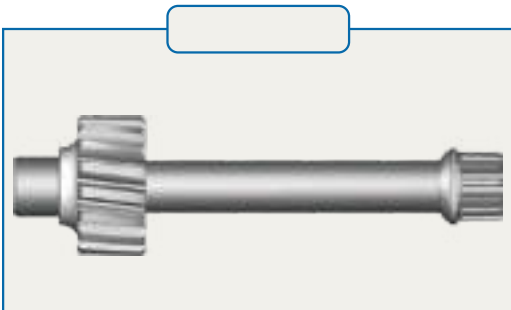
(ZF 9-S 109)RT 12 91 KARDAN MiLi/CARDAN SHAFT



(ZF 9-S 109)RT 12 92 KARDAN MiLi/CARDAN SHAFT



(ZF 16S 109) R13,53 KARDAN MiLi/CARDAN SHAFT



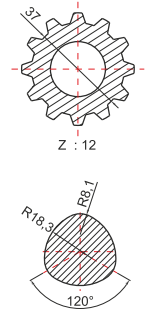
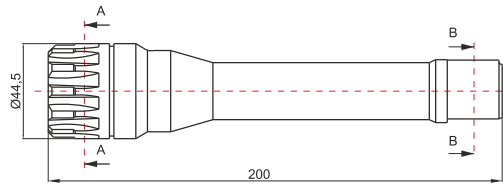
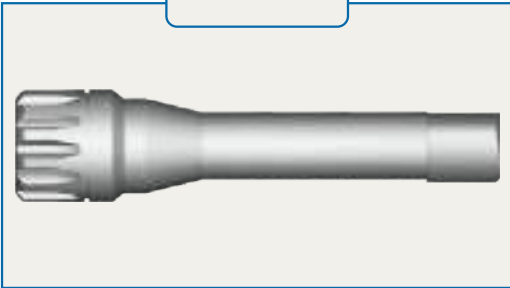
CARDAN SHAFTS

KARDAN MILLERİ

KARDAN MİLLERİ

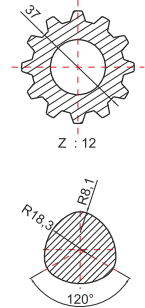
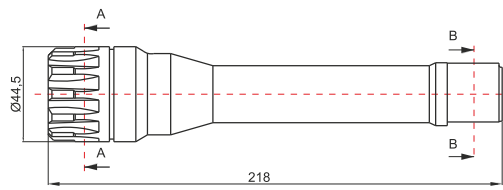
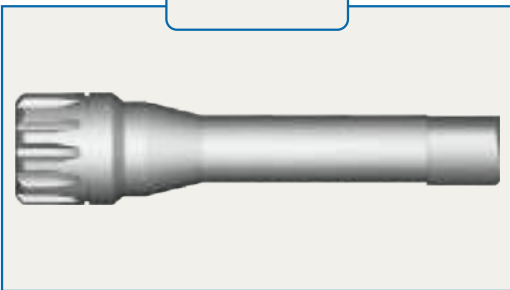
CARDAN SHAFTS

ZF 16 K 130 KARDAN MİLLİ/CARDAN SHAFT



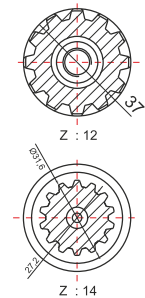
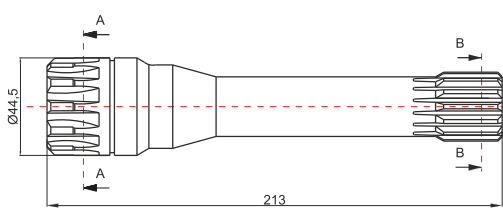
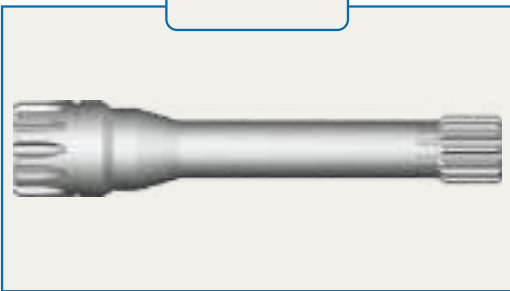
CARDAN SHAFTS

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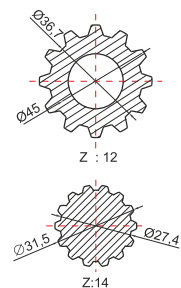
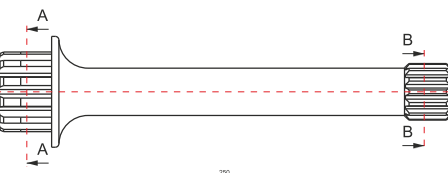
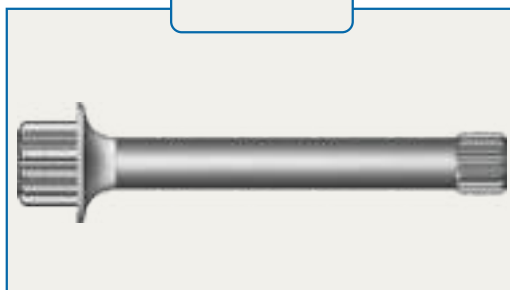


KARDAN MİLLERİ

ZF 16 S 151 KARDAN MİLLİ/CARDAN SHAFT



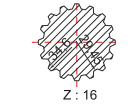
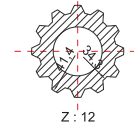
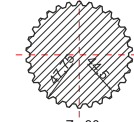
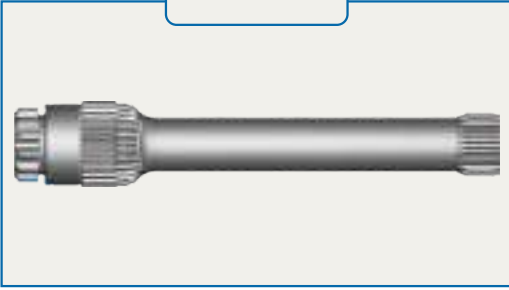
16 S 2521INTARDE TGA KARDAN MİLLİ/CARDAN SHAFT



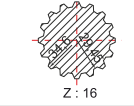
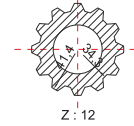
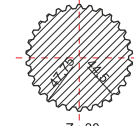
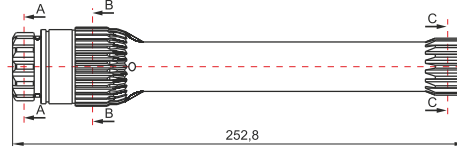
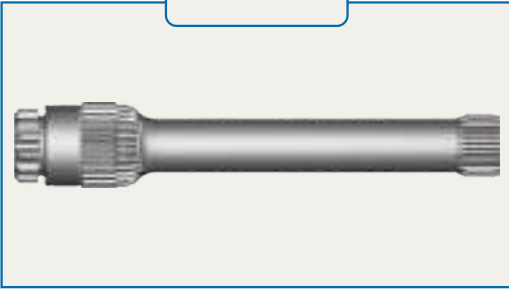
## KARDAN MILLERİ

## CARDAN SHAFTS

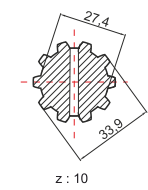
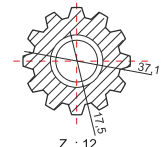
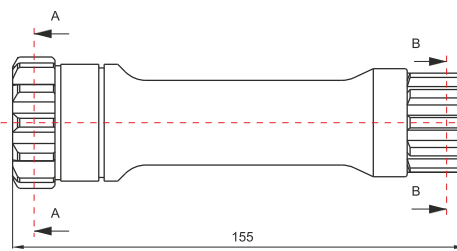
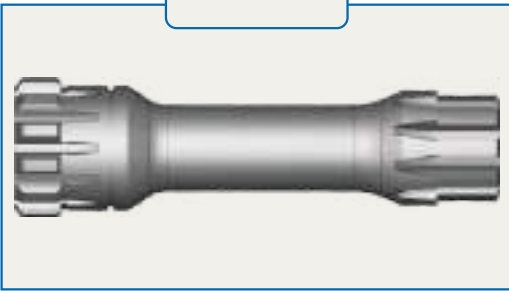
ACTROS ŞANZIMAN UZUN MİL/ACTROS CARDAN SHAFT



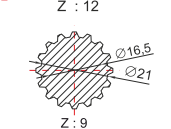
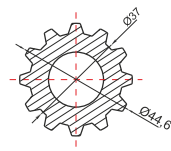
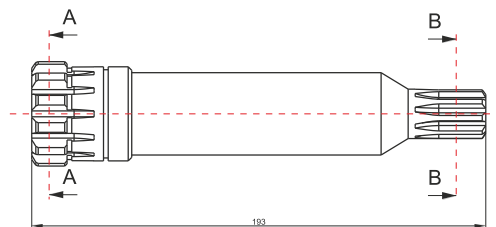
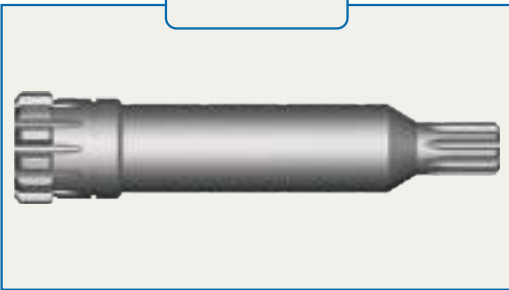
ACTROS ŞANZIMAN KISA MİL/ACTROS CARDAN SHAFT



6109 - 8209 KARDAN MİLİ/CARDAN SHAFT



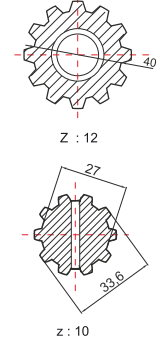
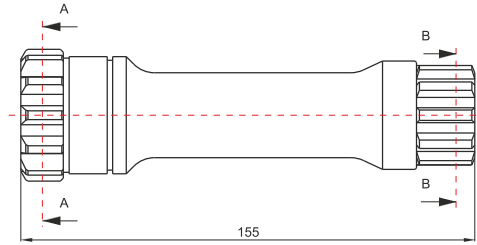
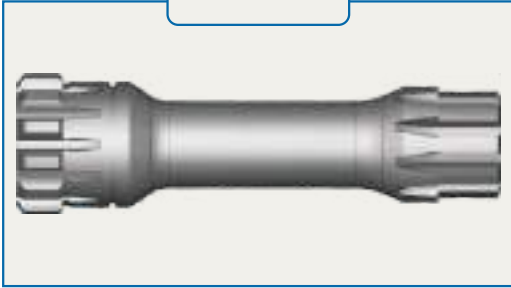
6109 - 8209 KARDAN MİLİ(DEV FATİH ESKİ TİP)/CARDAN SHAFT



KARDAN MİLLERİ

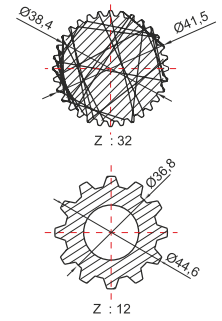
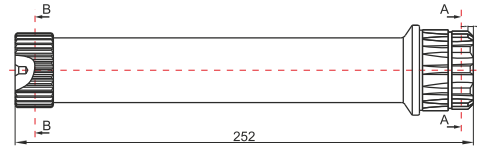
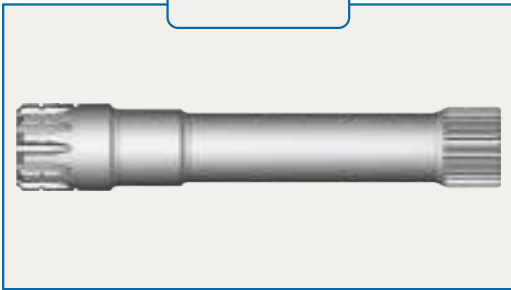
CARDAN SHAFTS

4106 KARDAN MİLLİ/CARDAN SHAFT



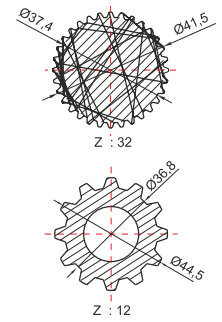
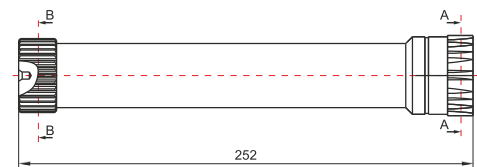
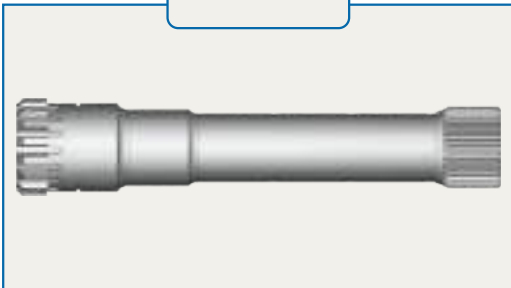
CARDAN SHAFTS

VOLVO SR 1700 KARDAN MİLLİ/CARDAN SHAFT

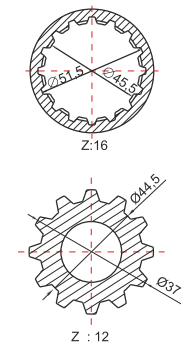
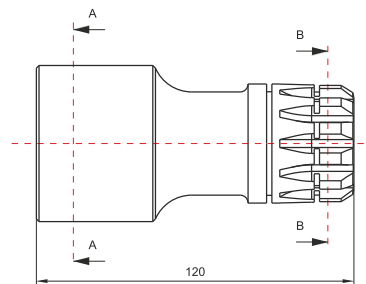
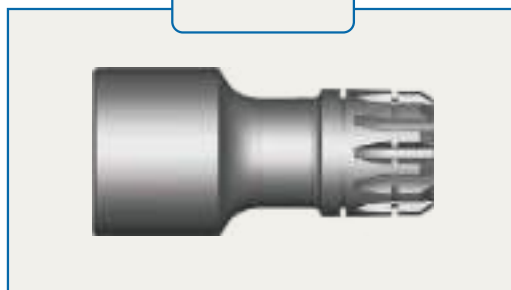


KARDAN MİLLERİ

VOLVO SR1700 ORJİNAL TİP KARDAN MİLLİ/CARDAN SHAFT



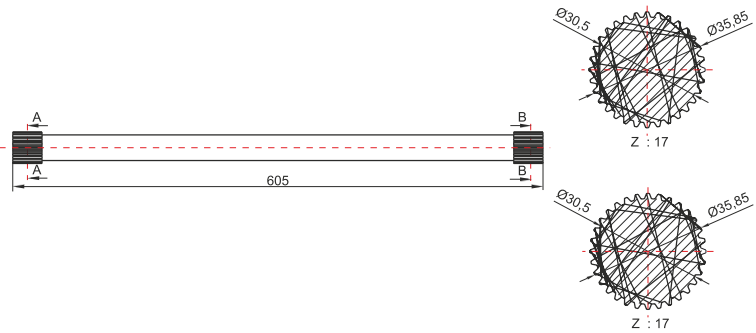
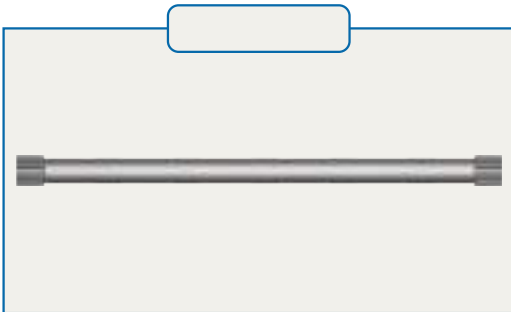
VOLVO SR70 KARDAN MİLLİ/CARDAN SHAFT



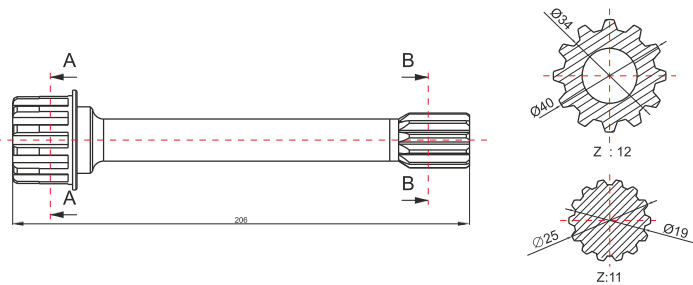
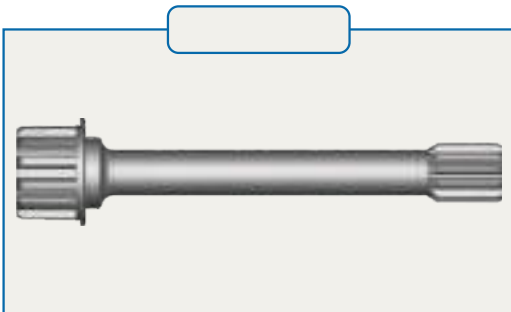
## KARDAN MILLERİ

## CARDAN SHAFTS

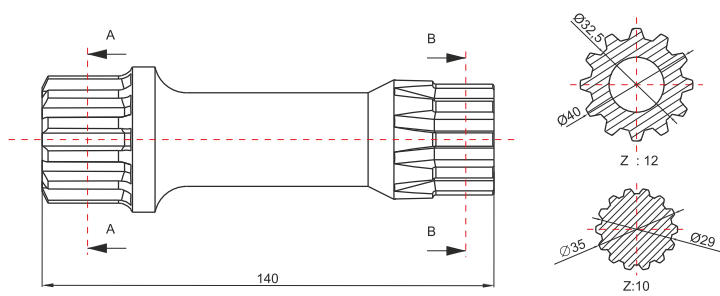
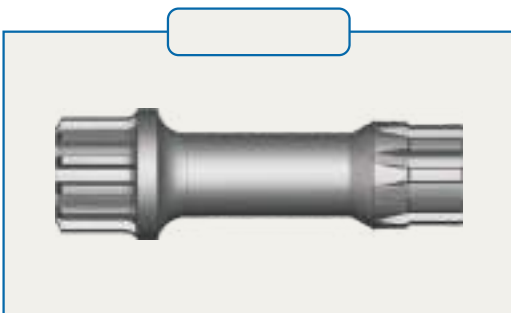
SCANIA GAS 905 KARDAN MİLİ/CARDAN SHAFT



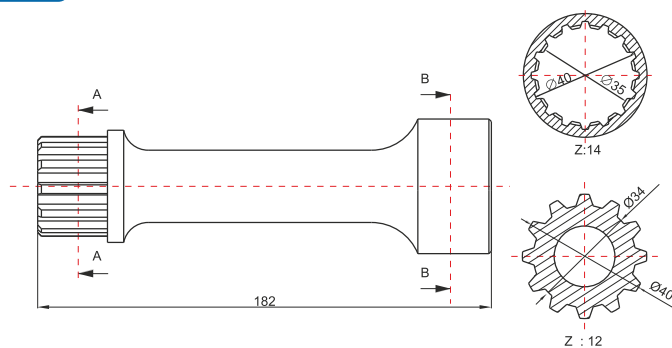
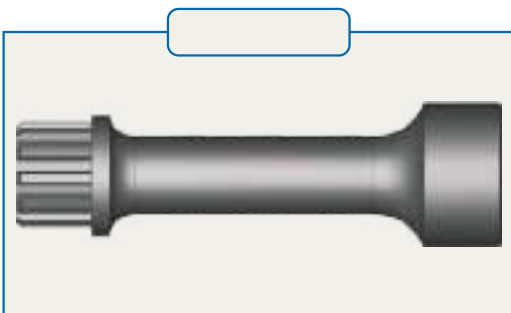
IVECO 2870 KARDAN MİLİ/CARDAN SHAFT



IVECO 2895 KARDAN MİLİ/CARDAN SHAFT



IVECO 2846 KARDAN MİLİ/CARDAN SHAFT



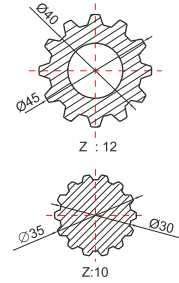
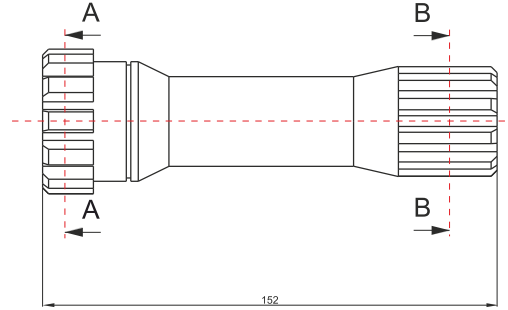
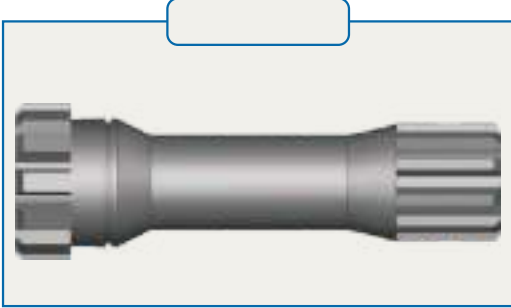
CARDAN SHAFTS

KARDAN MILLERİ

KARDAN MİLLERİ

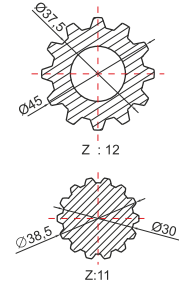
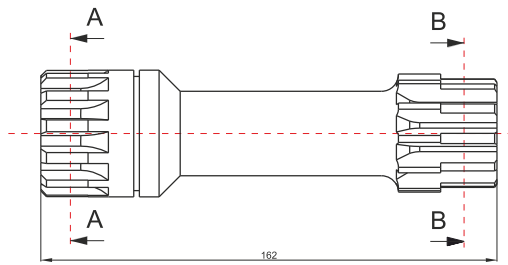
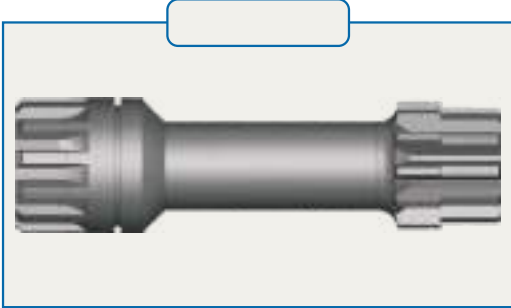
CARDAN SHAFTS

FULLER 17316 KARDAN MİLLİ/CARDAN SHAFT



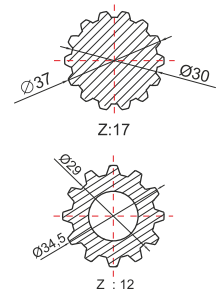
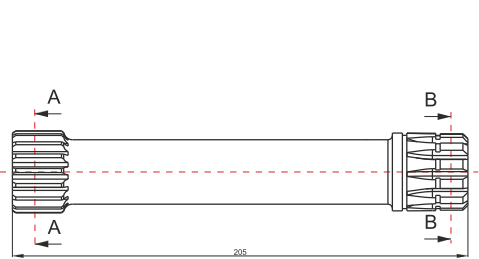
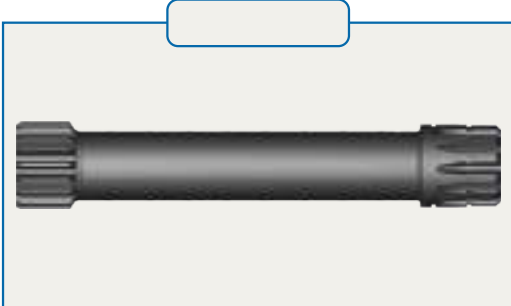
CARDAN SHAFTS

FULLER 15612-11612 KARDAN MİLLİ/CARDAN SHAFT



KARDAN MİLLERİ

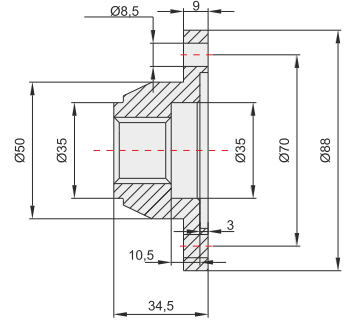
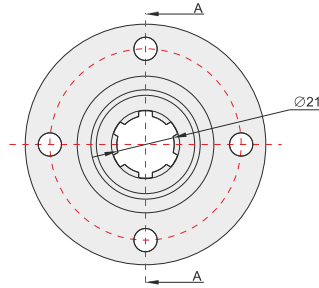
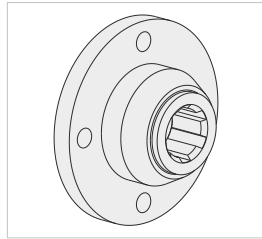
G3/65-90 KARDAN MİLLİ/CARDAN SHAFT



FLANŞLAR

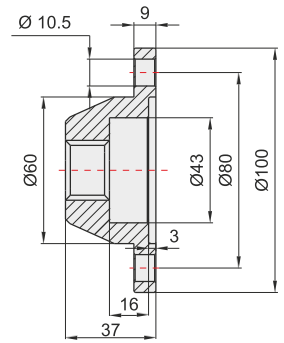
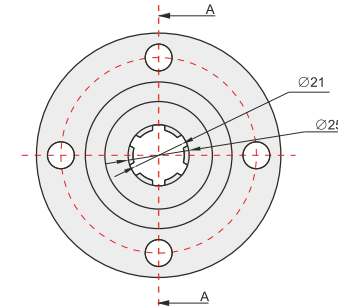
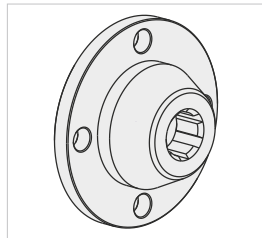
FLANGES

1300 FLANŞ (6 FREZELİ) / 1300 FLANGE (6 SPLINE)



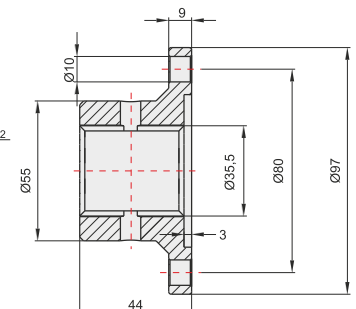
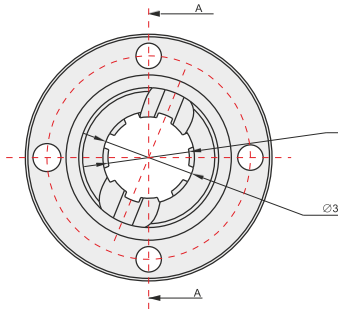
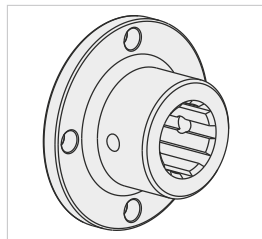
A-A Kesiti / A-A Section

1120 FLANŞ (6 FREZELİ) / 1120 FLANGE (6 SPLINE)



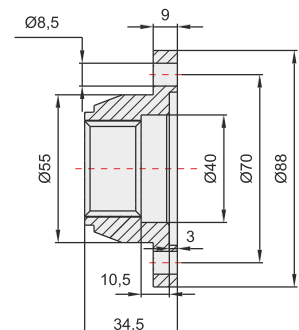
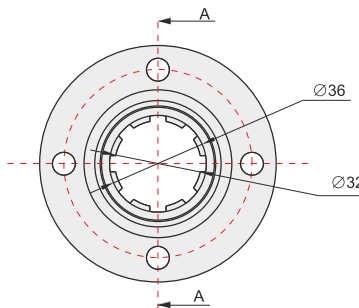
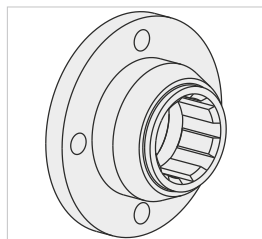
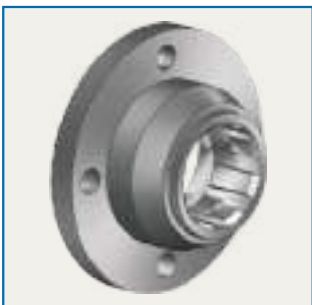
A-A Kesiti / A-A Section

1300 FLANŞ (8 FREZELİ) / 1300 FLANGE (8 SPLINE)



A-A Kesiti / A-A Section

1120 FLANŞ (8 FREZELİ) / 1120 FLANGE (8 SPLINE)



A-A Kesiti / A-A Section

FLANGES

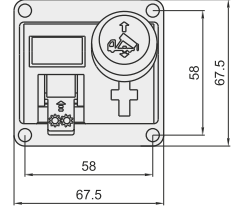
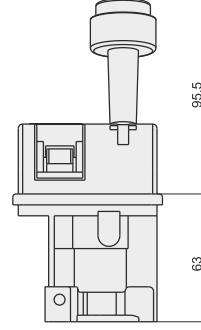
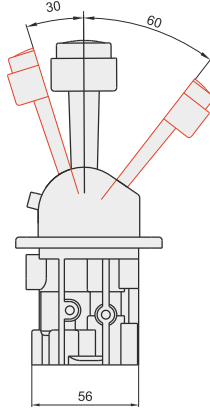
FALANŞLAR



KAPLINLER

COUPLINGS

JOİSTİK (ÜÇLÜ)  
JOYSTICK (THREE WAY)



COUPLINGS

GENEL BİLGİLER/GENERAL DATA

P Hava Giriş / Pneumatic Inlet	G1/8"
R Hava Çıkışı / Pneumatic Outlet	M5
Max. Basınç / Max. Pressure	12 Bar
Min. Basınç / Min. Pressure	5 Bar
Çalışma Ortamı / Working Area	Hava / Pneumatic
Bağlantı Şekli / Mounting Type	Opsiyonel-Optional
Ağırlık / Weight	0,5 Kg

DEPO KAPAĞI / TANK COVER

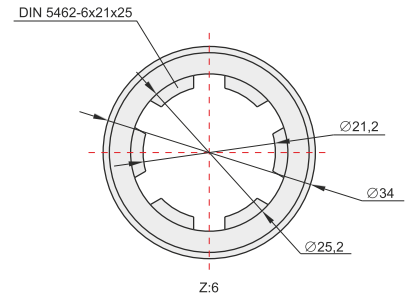
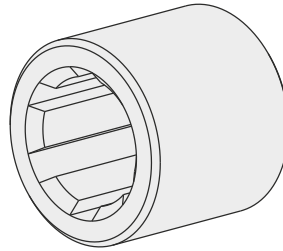


FİLTRELER / FILTERS

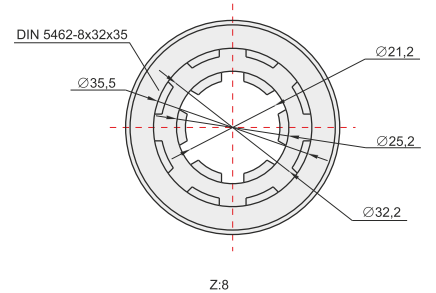
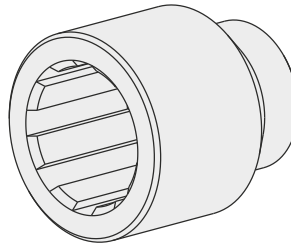


KAPLINLER

6x6 KAPLIN / COUPLING

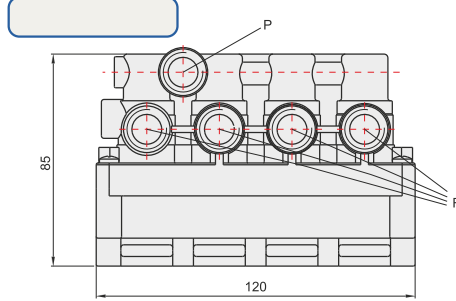


6x8 KAPLIN / COUPLING



## DAMPER DÜĞMELERİ / PNEUMATIC CONTROL

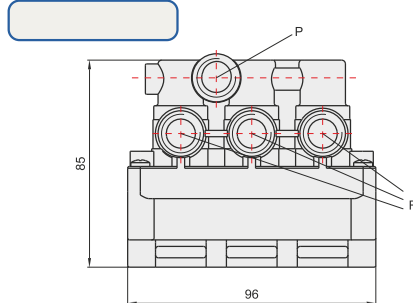
### 4'LÜ DAMPER DÜĞMESİ / PNEUMATIC CONTROL (4 WAY SWITCH)



#### GENEL BİLGİLER/GENERAL DATA

P Hava Giriş / Pneumatic Inlet	1/4"
R Hava Çıkışı / Pneumatic Outlet	1/4"
Max. Basınç / Max. Pressure	12 Bar
Çalışma Sıcaklığı / Working Temp.	-40,+80 C
Çalışma Ortamı / Working Area	Hava - Pneumatic
Bağlantı Şekli / Mounting Type	Opsiyonel-Optional
Ağırlık / Weight	0,5 Kg

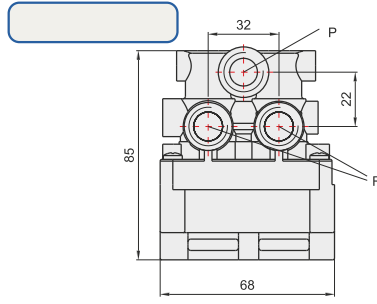
### 3'LÜ DAMPER DÜĞMESİ / PNEUMATIC CONTROL (3 WAY SWITCH)



#### GENEL BİLGİLER/GENERAL DATA

P Hava Giriş / Pneumatic Inlet	1/4"
R Hava Çıkışı / Pneumatic Outlet	1/4"
Max. Basınç / Max. Pressure	12 Bar
Çalışma Sıcaklığı / Working Temp.	-40,+80 C
Çalışma Ortamı / Working Area	Hava - Pneumatic
Bağlantı Şekli / Mounting Type	Opsiyonel-Optional
Ağırlık / Weight	0,5 Kg

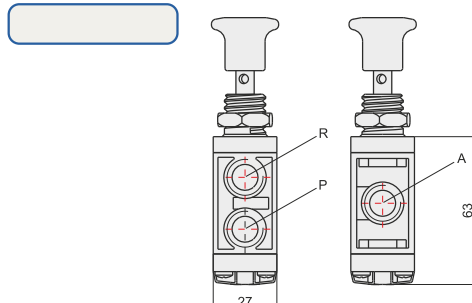
### 2'Lİ DAMPER DÜĞMESİ / PNEUMATIC CONTROL (2 WAY SWITCH)



#### GENEL BİLGİLER/GENERAL DATA

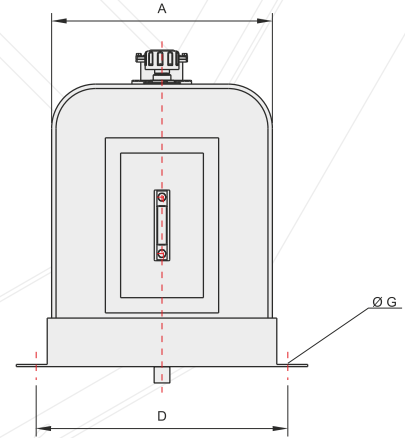
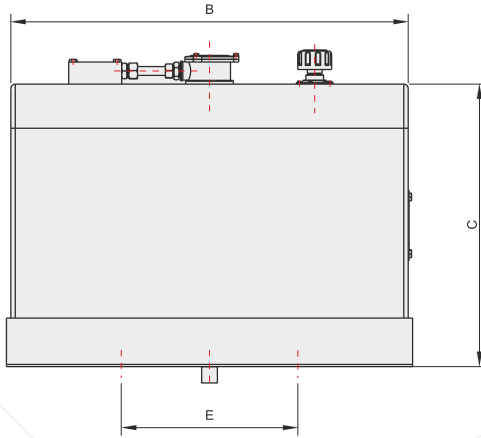
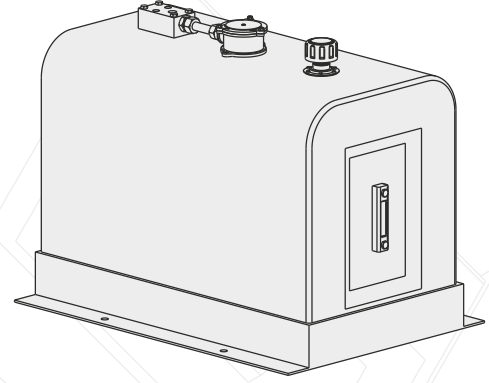
P Hava Giriş / Pneumatic Inlet	1/4"
R Hava Çıkışı / Pneumatic Outlet	1/4"
Max. Basınç / Max. Pressure	12 Bar
Çalışma Sıcaklığı / Working Temp.	-40,+80 C
Çalışma Ortamı / Working Area	Hava - Pneumatic
Bağlantı Şekli / Mounting Type	Opsiyonel-Optional
Ağırlık / Weight	0,5 Kg

### 1'Lİ DAMPER DÜĞMESİ / PNEUMATIC CONTROL (1 WAY SWITCH)

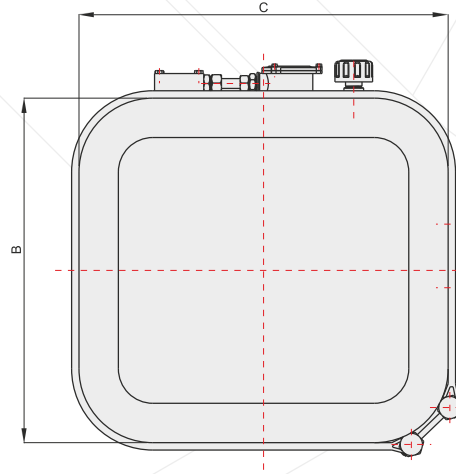
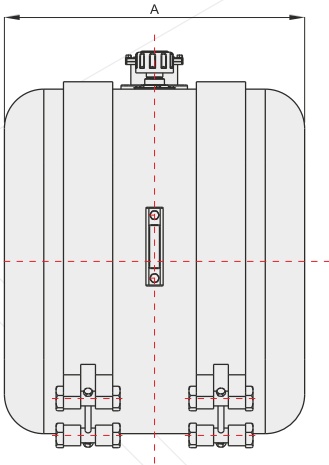
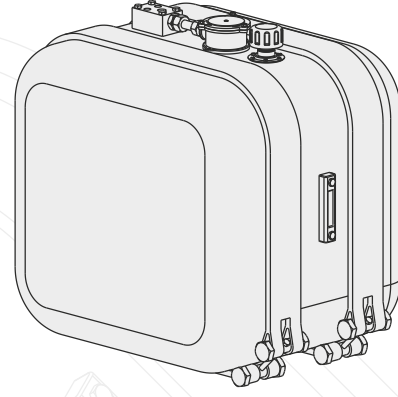


#### GENEL BİLGİLER/GENERAL DATA

P Hava Giriş / Pneumatic Inlet	1/4"
R Hava Çıkışı / Pneumatic Outlet	1/4"
Max. Basınç / Max. Pressure	12 Bar
Çalışma Sıcaklığı / Working Temp.	-40,+80 C
Çalışma Ortamı / Working Area	Hava - Pneumatic
Bağlantı Şekli / Mounting Type	Opsiyonel-Optional
Ağırlık / Weight	0,5 Kg


**GENEL BİLGİLER/GENERAL DATA**

	TANK HACMİ (lt) TANK VOLUME (lt)	ÇALIŞMA HACMİ (lt) WORKING VOLUME (lt)	A	B	C	D	E	ØG
	265	225	500	900	640	570	400	17
	265	225	400	1200	600	470	800	17
	244	208	500	830	640	570	400	17
	244	208	400	1100	600	470	800	17
	203	170	400	930	600	470	400	17
	203	170	400	1100	500	470	800	17
	180	150	400	820	600	470	400	15
	180	150	400	980	500	470	400	15
	160	130	400	890	500	470	400	15
	160	130	310	1125	510	380	800	15
	145	115	400	790	500	470	400	15
	145	115	310	1000	510	380	400	15
	122	95	310	850	510	380	400	15
	122	95	250	1050	510	320	800	15
	110	85	310	770	510	380	400	15
	110	85	250	950	510	320	400	15
	96	75	310	680	510	380	400	15
	96	75	250	840	510	320	400	15
	85	65	250	730	510	320	400	13
	65	50	250	590	510	320	400	13
	56	42	250	520	510	320	400	13



**GENEL BİLGİLER/GENERAL DATA**

	TANK HACMİ (lt) TANK VOLUME (lt)	ÇALIŞMA HACMİ (lt) WORKING VOLUME (lt)	A	B	C
	265	225	610	700	670
	265	225	700	700	580
	244	208	610	660	650
	244	208	610	700	610
	203	170	610	660	550
	180	150	500	640	615
	160	130	610	660	440
	145	115	500	640	510