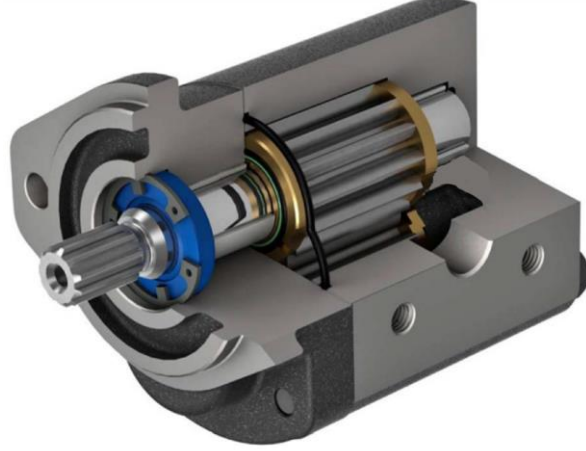


1CM1 DİŞLİ MOTOR SERİSİ

1CM1 GEAR MOTOR SERIES



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Piyasa ihtiyaçlarına cevap olarak, 1CM1 motorlar, kesin olarak kanıtlanmış dişli motorların sağlam sadeliğini korurken, yüksek verimlilik, yüksek güç ile düşük ses seviyesini birleştirerek geliştirilmiştir.

Döküm gövdeli motorlardaki yüksek kaliteli çelik dişliler hidrodinamik kaymalı yataklarla desteklenir.

ÜRÜN ÖZELLİKLERİ

- Azaltılmış basınç dalgalanması ve düşük ses seviyeleri için 13 dişli gelişmiş dişli tasarımı
- Yüksek çalışma basınçları
- Yüksek güç
- 16 - 35 cc/rev iletim hacmi aralığı
- Döküm gövdeli kompakt tasarım
- Uzun ömürlü kaymalı yataklar
- Çok sayıda tahrik mili, ön kapak ve port tipi

In response to market needs, the 1CM1 motors have been developed to combine high efficiencies, high power with low noise levels while retaining the rugged simplicity of well-proven hydraulic gear motors.

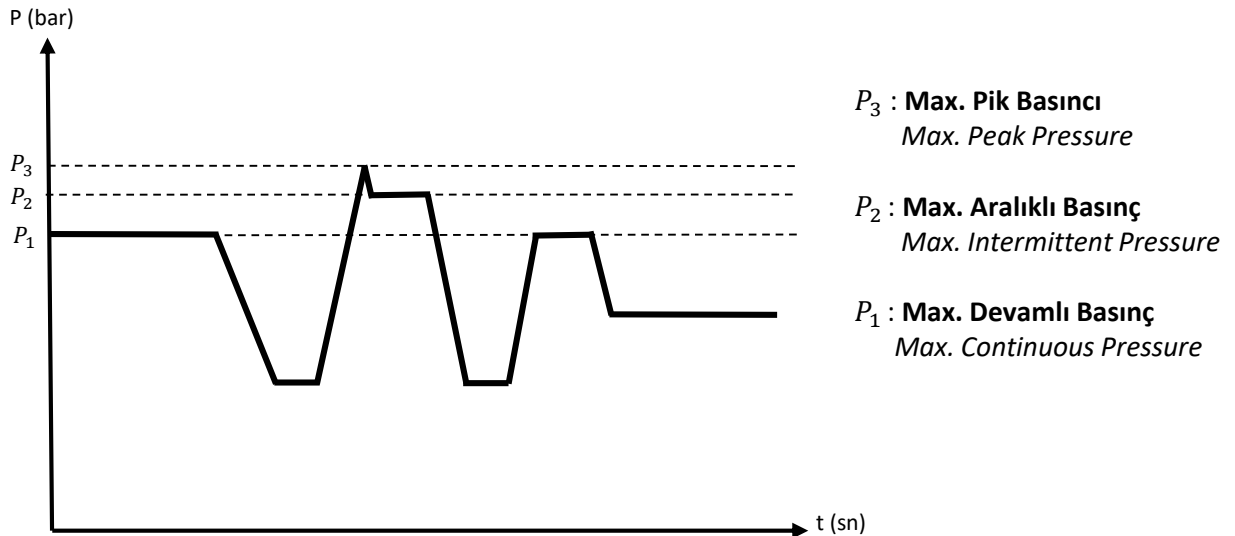
Quality steel gears are supported by hydrodynamic plain bearings at cast iron motors

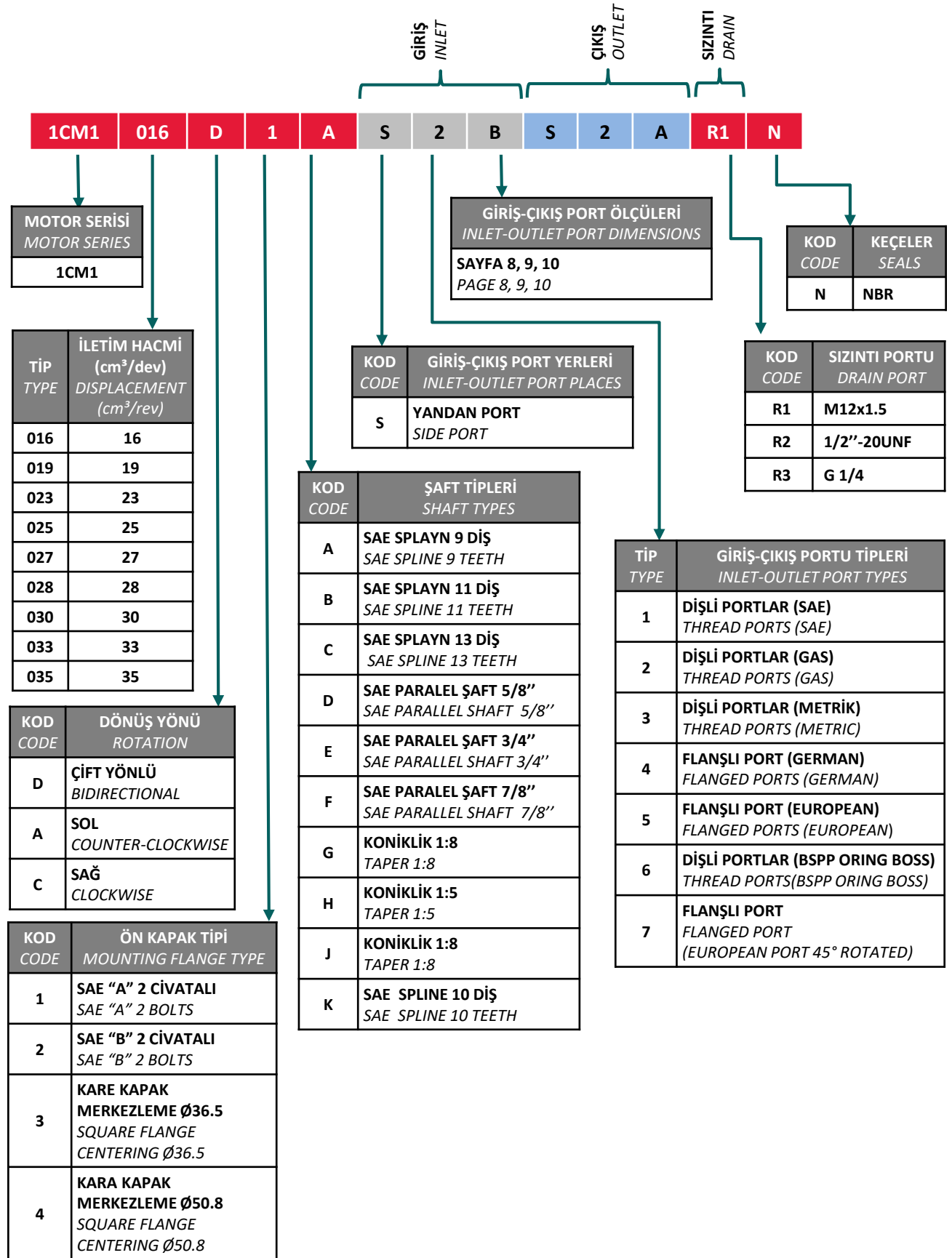
PRODUCT FEATURES

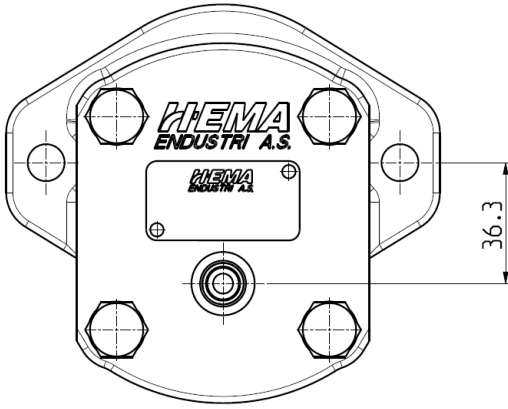
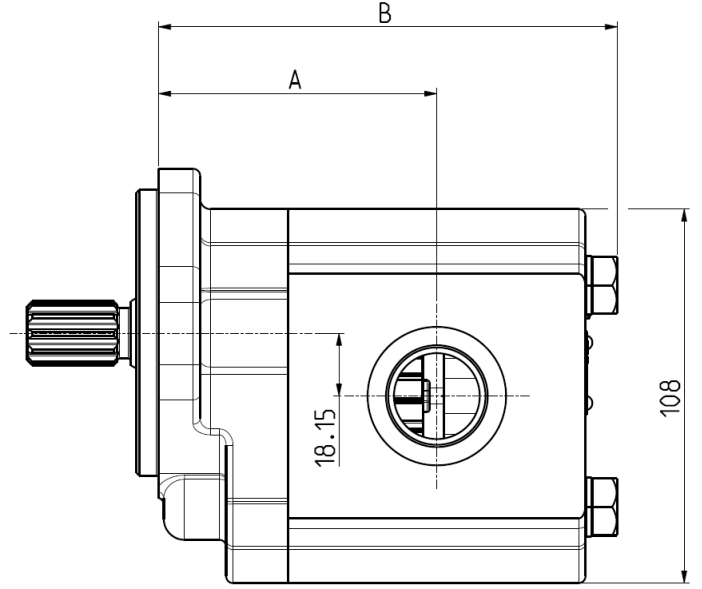
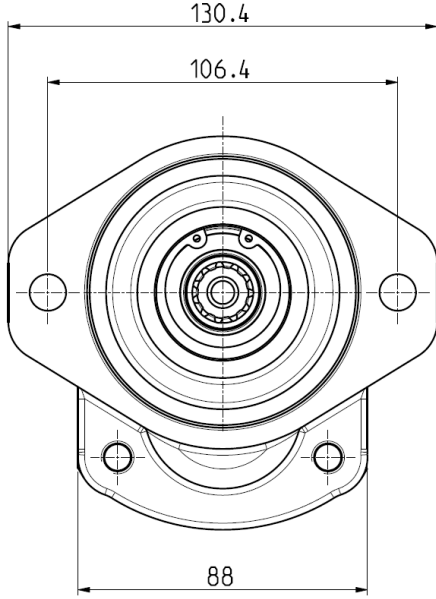
- 13 teeth advanced gear design for reduced pressure pulsation and low noise levels.
- High pressure ratings
- High power
- Displacement range from 16 to 35 cc/rev
- Compact design with cast iron body
- Long life plain bearings
- Wide range of drives, mountings and ports

Ürün Özellikleri <i>Product Features</i>	Açıklamalar <i>Description</i>	
Motor Tipi <i>Motor Type</i>	Döküm gövde, dış dişli <i>Heavy-duty, cast iron, external gear</i>	
Montaj <i>Mounting Flanges</i>	SAE A, SAE B, KARE KAPAK <i>SAE A, SAE B, SQUARE FLANGE</i>	
Portlar <i>Ports</i>	SAE/GAS/METRİK dişli, SAE/GERMAN flanşlı portlar <i>SAE /GAS/METRIC thread, SAE/GERMAN split flange</i>	
Şaft tipleri <i>Shaft Types</i>	SAE Spline Şaft , Paralel Şaft, Konik Şaft <i>SAE Spline Shafts, Straight Shafts, Taper Shafts</i>	
İletim Hacmi <i>Displacement</i>	16cm ³ /dev - 35cm ³ /dev <i>16cm³/rev - 35cm³/rev</i>	
Çalışma Basıncı <i>Working Pressure</i>	Sayfa 5'e bakınız <i>See page 5</i>	
Devir <i>Speed</i>	500 - 3000 RPM	
Çalışma Sıcaklığı <i>Operating Temperature</i>	İlk çalışma anında min./ <i>Min. at start up</i>	-20 °C
	Sürekli çalışmada maks./ <i>Max. Continuous</i>	+80 °C
	Aralıklı çalışmada maks./ <i>Max. Intermittent</i>	+100 °C
Akışkan viskozitesi <i>Fluid Viscosity</i>	İlk çalışma anında min./ <i>Min. at start up</i>	2000 cSt
	Sürekli çalışmada maks./ <i>Max. Continuous</i>	250 cSt
	Sürekli çalışmada min./ <i>Min. Continuous</i>	10 cSt
	Önerilen/ <i>Recommended</i>	12-100 cSt
Yağ kirliliği ISO 4406'ya göre <i>Fluid cleanliness to ISO 4406</i>	ΔP<200 bar	21/18/15
	ΔP>200 bar	19/17/14
Yağlar <i>Fluids</i>	Mineral yağlar <i>Mineral Oils</i>	
Dönüş yönü <i>Rotation</i>	Çift yönlü <i>Reversible</i>	

MOTOR TİPİ MOTOR TYPE	İLETİM HACMİ cm ³ /dev DISPLACEMENT (cm ³ /rev)	MAKS. ÇIKIŞ BASINCI MAX. OUTLET PRESSURE (bar)			MİN. HIZ (dev/dk) MIN. SPEED (RPM)	MAKS. HIZ (dev/dk) MAX. SPEED (RPM)
		P_1	P_2	P_3		
1CM1-016	16.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-019	19.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-023	23.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-025	25.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-027	27.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-028	28.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-030	30.0	$P_1=276$	$P_2=290$	$P_3=300$	500	3000
1CM1-033	33.0	$P_1=250$	$P_2=265$	$P_3=270$	500	2800
1CM1-035	35.0	$P_1=225$	$P_2=240$	$P_3=250$	500	2600

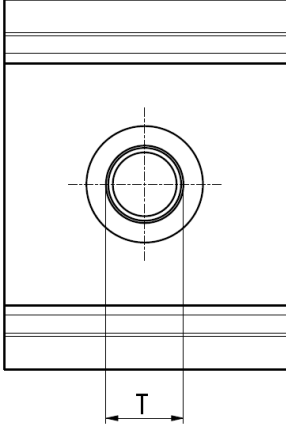






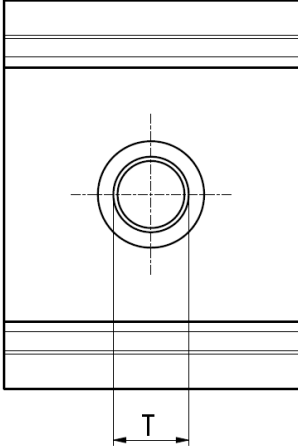
MODEL MODEL	İLETİM HACMİ (cm ³ /dev) DISPLACEMENT (cm ³ /rev)	A (mm)	B (mm)	AĞIRLIK WEIGHT (kg)
1CM1-016	16	77.8	119.2	6.5
1CM1-019	19	79.6	122.9	6.7
1CM1-023	23	82.0	127.7	6.9
1CM1-025	25	83.2	130.1	7.1
1CM1-027	27	84.4	132.5	7.2
1CM1-028	28	85.0	133.7	7.3
1CM1-030	30	86.2	136.2	7.4
1CM1-033	33	88.0	139.8	7.6
1CM1-035	35	89.3	142.2	7.7

1

DİŞLİ PORTLAR (SAE)
THREAD PORTS (SAE)

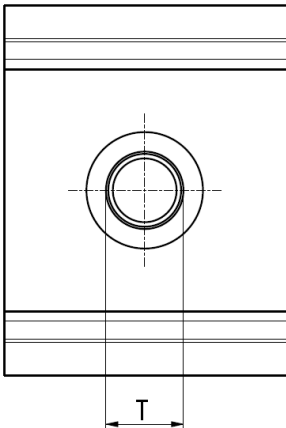
KOD CODE	T
A	7/8"-14 UNF 2B ↓22
B	1 1/16"-12 UN 2B ↓22
C	1 5/16"-12 UN 2B ↓21
D	1 5/8"-12 UN 2B ↓23

2

DİŞLİ PORTLAR (GAS)
THREAD PORTS (GAS)

KOD CODE	T
A	G 1/2 ↓22
B	G 3/4 ↓22
C	G 1 ↓21
D	G 1 1/4 ↓23

3

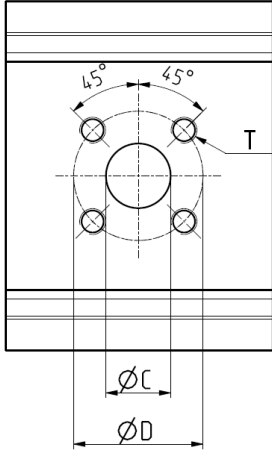
DİŞLİ PORTLAR (METRİK)
THREAD PORTS (METRIC)

KOD CODE	T
A	M22x1.5 ↓22
B	M27x2 ↓22
C	M33x2 ↓21
D	M42x2 ↓23

Talep üzerine özel seçenekler mümkündür
Special options are possible upon request.

4

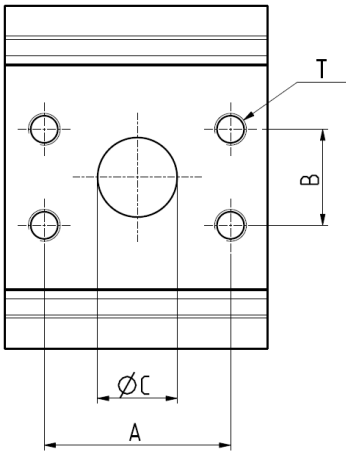
FLANŞLI PORTLAR (GERMAN)
FLANGED PORTS (GERMAN)



KOD CODE	Ø C	Ø D	T
A	15	35	M6x1 ↓13
B	18	55	M8x1.25 ↓13
C	20	40	M6x1 ↓13
D	26	55	M8x1.25 ↓13

5

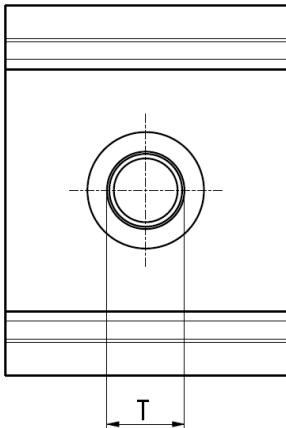
FLANŞLI PORTLAR (EUROPEAN)
FLANGED PORTS (EUROPEAN)



KOD CODE	Ø C	A	B	T
A	19	47.6	22.2	M10x1.5 ↓13
B	19	47.6	22.2	3/8"-16 ↓13
C	25	52.4	26.2	M10x1.5 ↓13
D	25	52.4	26.2	3/8"-16 ↓13
E	32	58.6	30.2	M10x1.5 ↓13
F	32	58.6	30.2	7/16"-14 ↓13

6

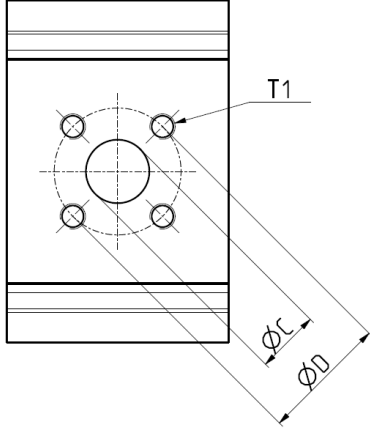
DİŞLİ PORTLAR (BSPP ORING BOSS)
THREAD PORTS (BSPP ORING BOSS)



KOD CODE	T
A	1/2 BSPP ↓22
B	3/4 BSPP ↓22
C	1 BSPP ↓21
D	1 1/4 BSPP ↓23

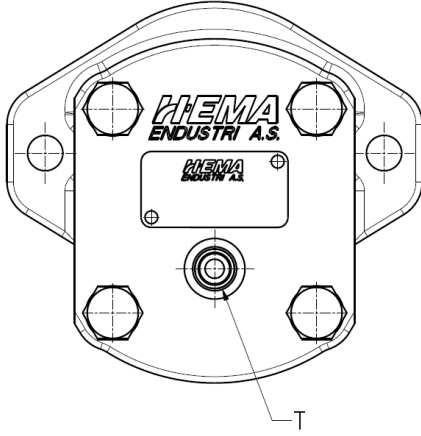
Talep üzerine özel seçenekler mümkündür
Special options are possible upon request.

7

FLANŞLI PORTLAR
FLANGED PORTS (EUROPEN-ROTATED 45°)

KOD CODE	ϕC	ϕD	T
A	13	30	M6x1 ↓13
B	18	40	M8x1.25 ↓13
C	20	40	M8x1.25 ↓13
D	26	51	M10x1.5 ↓13

R

TAHLİYE PORTLARI
DRAIN PORTS

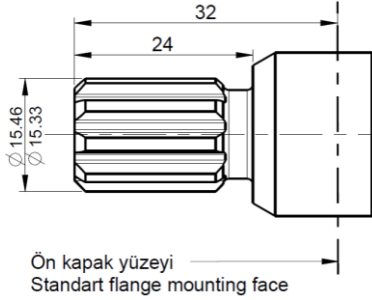
KOD CODE	T
R1	M12x1.5 ↓9.5
R2	1/2"-20 UNF 2B ↓9.5
R3	G 3/8 ↓9.5

Talep üzerine özel seçenekler mümkündür
Special options are possible upon request.

A

SAE SPLAYN 9 DİŞ
SAE SPLINE 9 TEETH

EVOLVENT SPLINE
SAE J744 16-4
9 DİŞ, 16/32 DP
INVOLUTE SPLINE
SAE J744 16-4
9 TEETH, 16/32 DP

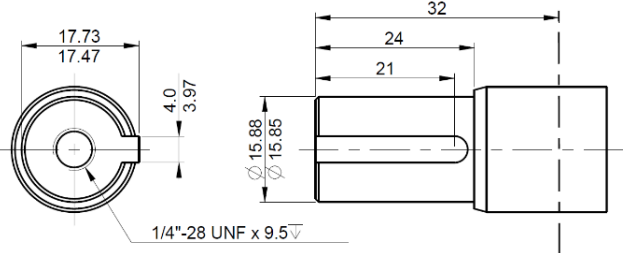


Maks. tork = 85 Nm
Max. torque

D

SAE PARALEL ŞAFT 5/8"
SAE PARALEL SHAFT 5/8"

STRAIGHT SHAFT
SAE J744 16-1 A

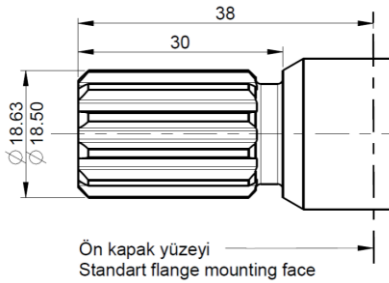


Maks. tork = 85 Nm
Max. torque

B

SAE SPLAYN 11 DİŞ
SAE SPLINE 11 TEETH

EVOLVENT SPLINE
SAE J744 19-4
11 DİŞ, 16/32 DP
INVOLUTE SPLINE
SAE J744 19-4
11 TEETH, 16/32 DP

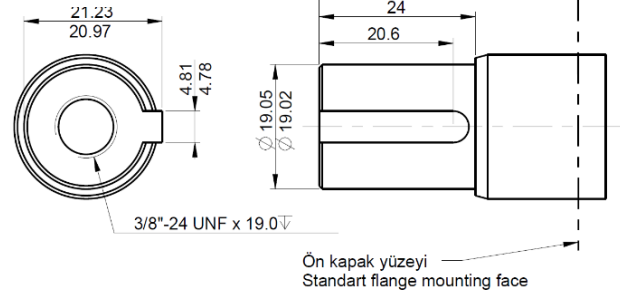


Maks. tork = 140 Nm
Max. torque

E

SAE PARALEL ŞAFT 3/4"
SAE PARALEL SHAFT 3/4"

STRAIGHT SHAFT
SAE J744 19-1

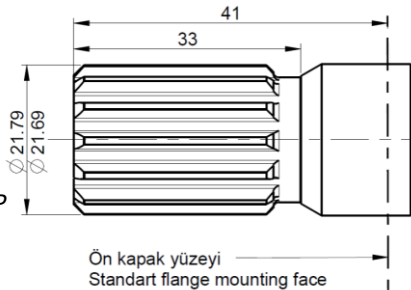


Maks. tork = 140 Nm
Max. torque

C

SAE SPLAYN 13 DİŞ
SAE SPLINE 13 TEETH

EVOLVENT SPLINE
SAE J744 22-4
13 DİŞ, 16/32 DP
INVOLUTE SPLINE
SAE J744 12-4
13 TEETH, 16/32 DP

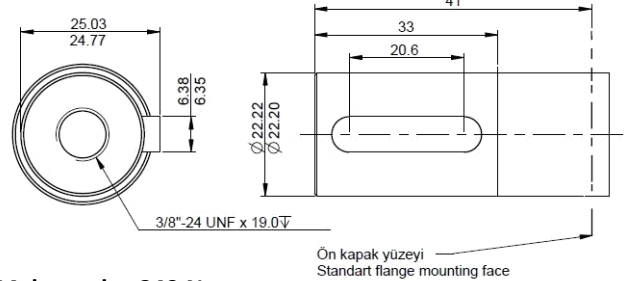


Maks. tork = 249 Nm
Max. torque

F

SAE PARALEL ŞAFT 7/8"
SAE PARALEL SHAFT 7/8"

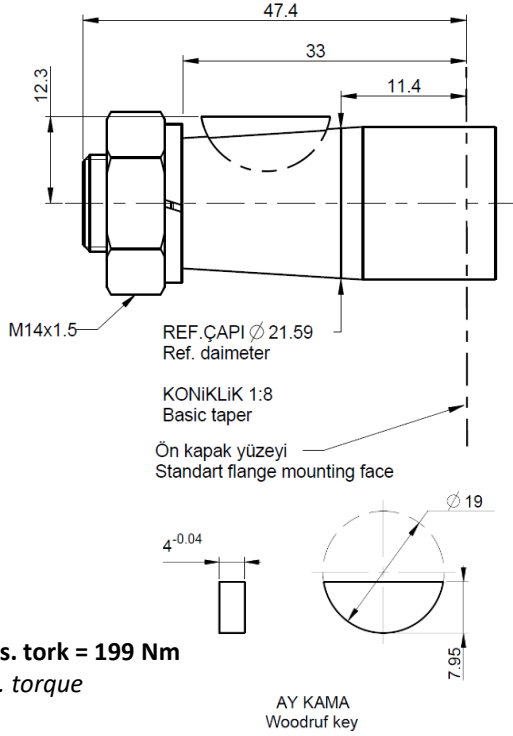
STRAIGHT SHAFT
SAE J744 22-1 B



Maks. tork = 249 Nm
Max. torque

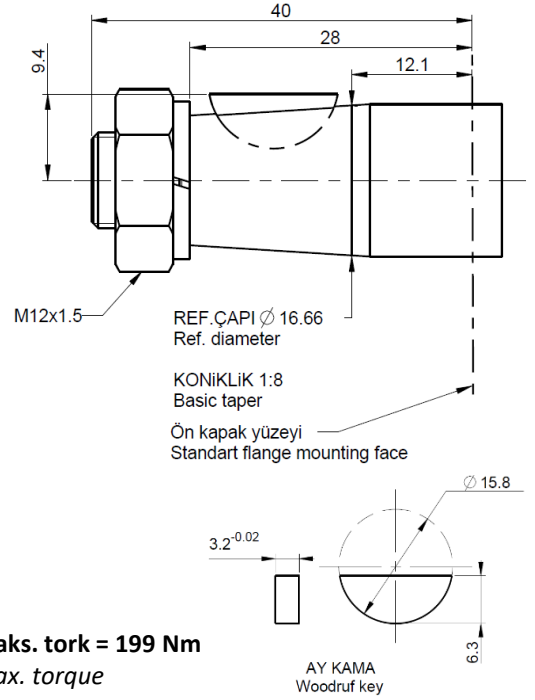
G

KONİKLİK 1:8
TAPER 1:8



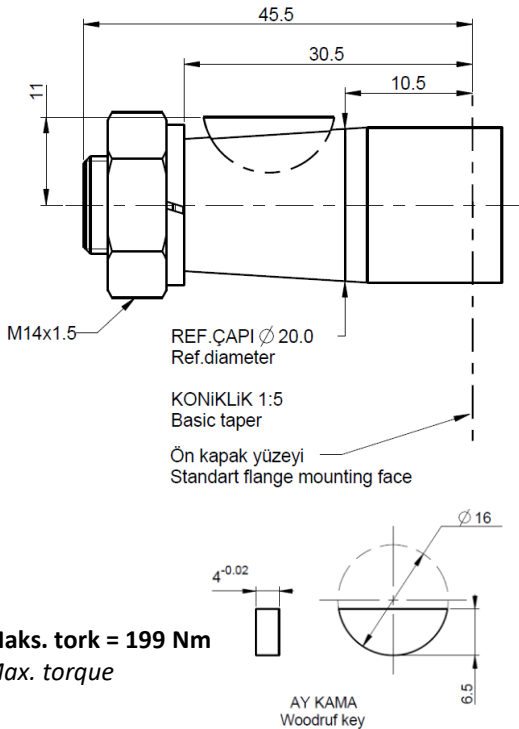
J

KONİKLİK 1:8
TAPER 1:8



H

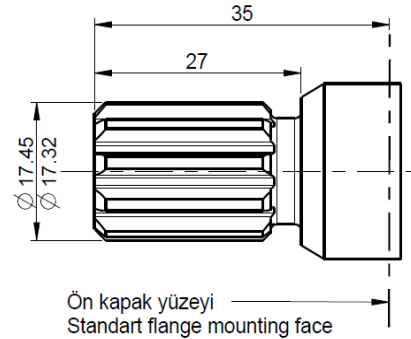
KONİKLİK 1:5
TAPER 1:5



K

SAE SPLAYN 10 DİŞ
SAE SPLINE 10 TEETH

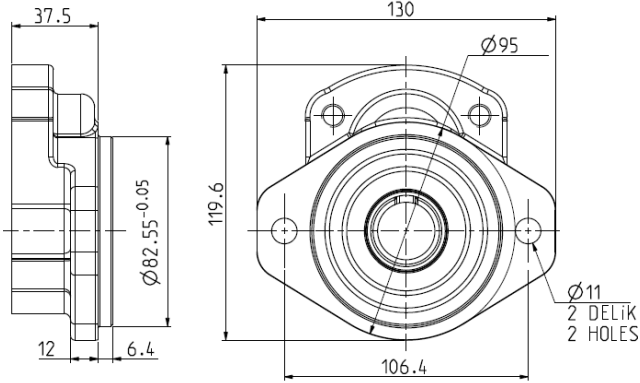
EVOLVENT SPLINE
SAE J498 A
10 DİŞ, 16/32 DP
INVOLUTE SPLINE
SAE J498 A
10 TEETH, 16/32 DP



Maks. tork = 105 Nm
Max. torque

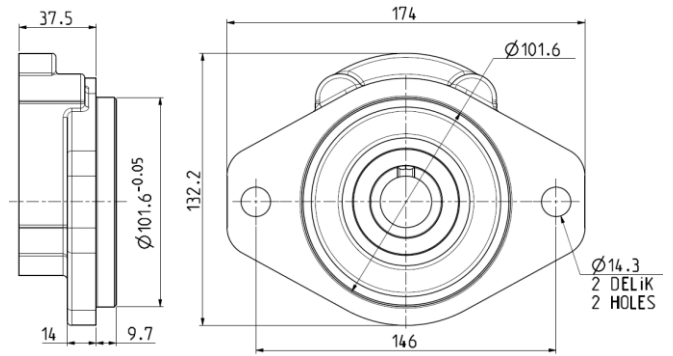
1

SAE A 2 ÇİVATALI
SAE A 2 BOLTS



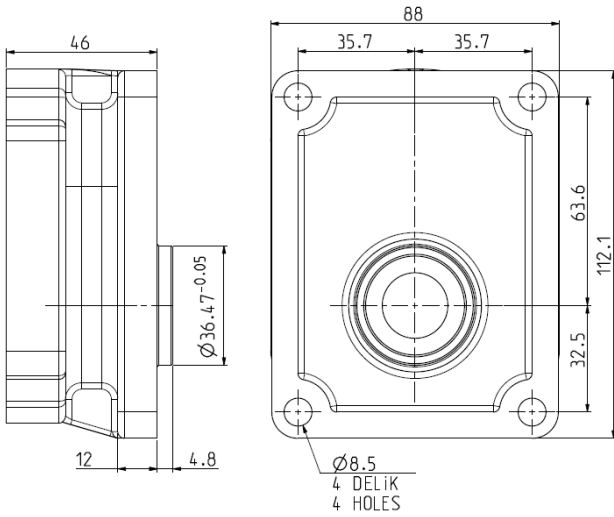
2

SAE B 2 ÇİVATALI
SAE B 2 BOLTS



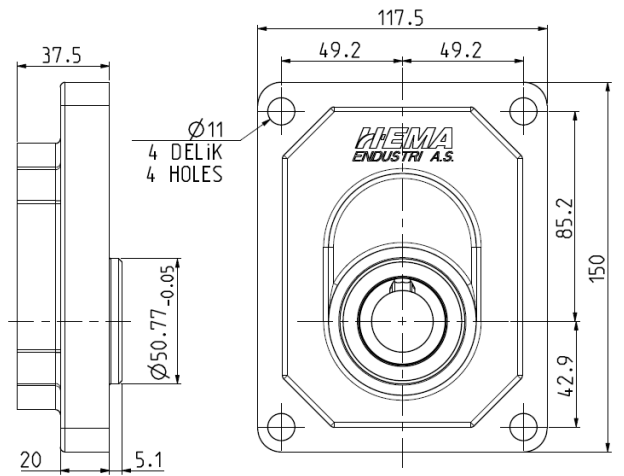
3

KARE KAPAK MERKEZLEME Ø 36.47
SQUARE FLANGE CENTERING Ø 36.47

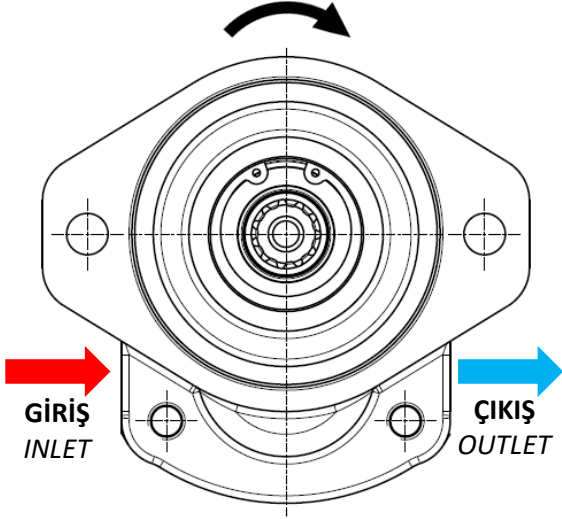


4

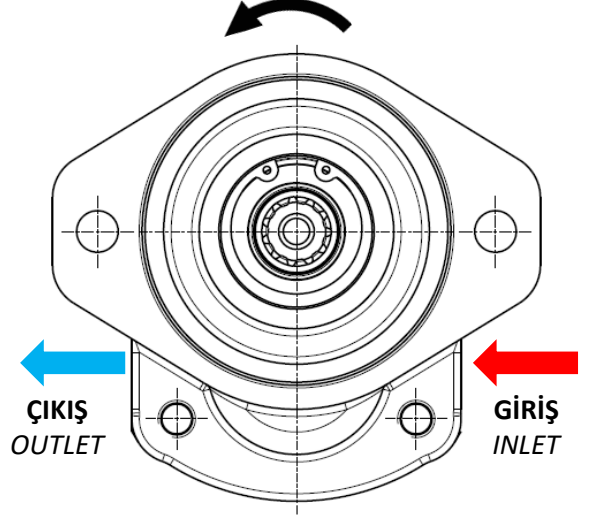
KARE KAPAK MERKEZLEME Ø 50.77
SQUARE FLANGE CENTERING Ø 50.77



SOL YÖNLÜ
COUNTER CLOCKWISE



SAĞ YÖNLÜ
CLOCKWISE



ÇİFT YÖNLÜ
REVERSIBLE

