

GRUP 20 POMPALARIN KODLAMA SİSTEMİ ORDERING CODE OF GROUP 20 PUMPS

AP20	115/115/115	C	A	B	02	S	O	N	T
-------------	--------------------	----------	----------	----------	-----------	----------	----------	----------	----------

Pompa Tipi / Pump Type	İletim Hacmi / Displacement cm ³ /dev (cm ³ /rev)
AP20 Alüminyum Gövdeli Düz Dişli Pompa Aluminium Body Gear Pump	040 = 3,9 cm ³ /dev (cm ³ /rev) 060 = 5,9 cm ³ /dev (cm ³ /rev)
APH20 Alüminyum Gövdeli Helisel Dişli Pompa Aluminium Body Helical Gear Pump	080 = 8,0 cm ³ /dev (cm ³ /rev) 095 = 9,4 cm ³ /dev (cm ³ /rev)
DKP20 Döküm Gövdeli Düz Dişli Pompa Cast Iron Body Gear Pump	115 = 11,4 cm ³ /dev (cm ³ /rev) 140 = 13,9 cm ³ /dev (cm ³ /rev)
DPH20 Döküm Gövdeli Helisel Dişli Pompa Cast Iron Body Helical Gear Pump	160 = 16,0 cm ³ /dev (cm ³ /rev) 190 = 19,2 cm ³ /dev (cm ³ /rev) 220 = 21,9 cm ³ /dev (cm ³ /rev) 250 = 24,8 cm ³ /dev (cm ³ /rev) 280 = 27,9 cm ³ /dev (cm ³ /rev) 320 = 32,0 cm ³ /dev (cm ³ /rev) 340 = 34,0 cm ³ /dev (cm ³ /rev) 380 = 38,0 cm ³ /dev (cm ³ /rev) 400 = 40,0 cm ³ /dev (cm ³ /rev)

Dönüş Yönü / Rotation
A = Sol dönüş / Counter-clockwise
C = Sağ dönüş / Clockwise
R = Çift dönüş / Reversible

Ön Yataklık Outboard Bearing
O Var / Available
Yok / Absent

Eleman sayısı
T Tekli Single
T Tandem Tandem
M Modüler Modular

Keçe / Seal
N NBR
V Viton

Arka Kapak / Rear Cover
S Standart Standard
R1 Emniyet Valfi (10 - 90 Bar) Relief Valve
R2 Emniyet Valfi (70 - 140 Bar) Relief Valve
R3 Emniyet Valfi (120 - 190 Bar) Relief Valve
D Akış Bölücü Valf Flow Divider Valve
H Emniyet Valfi Akış Kontrol Valfi Flow Control Valve With Relief Valve
L Yük Duyarlı Valf Load Sensing Valve
T Çek Valf Check Valve
P Arkadan Giriş-Çıkış Rear Inlet-Outlet
C Basınç Kompansatörlü Akış Kontrol Valfi Flow Control Valve Pressure Compensated

Ön Kapak / Front Cover
A Dikdörtgen kapak Square flange Ø36,47 mm
B 2 Civatalı - Merkezleme 2 Bolts - Centering Ø50 mm
C 2 Civatalı - Merkezleme ve oringli 2 Bolts - Centering with oring Ø52 mm
D 2 Civatalı SAE 'A' 2 Bolts SAE 'A' Ø82,55 mm
E 2 Civatalı - Merkezleme 2 Bolts - Centering Ø50 mm
G Dikdörtgen kapak Square flange Ø80 mm
H Ön yataklı Outboard bearing Ø80 mm
K 2 Civatalı SAE 'B' 2 Bolts SAE 'B' Ø101,6 mm
M 2 Civatalı - Merkezleme 2 Bolts - Centering Ø52,34 mm
N 4 Civatalı - Merkezleme O-ringli 4 Bolts - Centering O-ring Ø52 mm

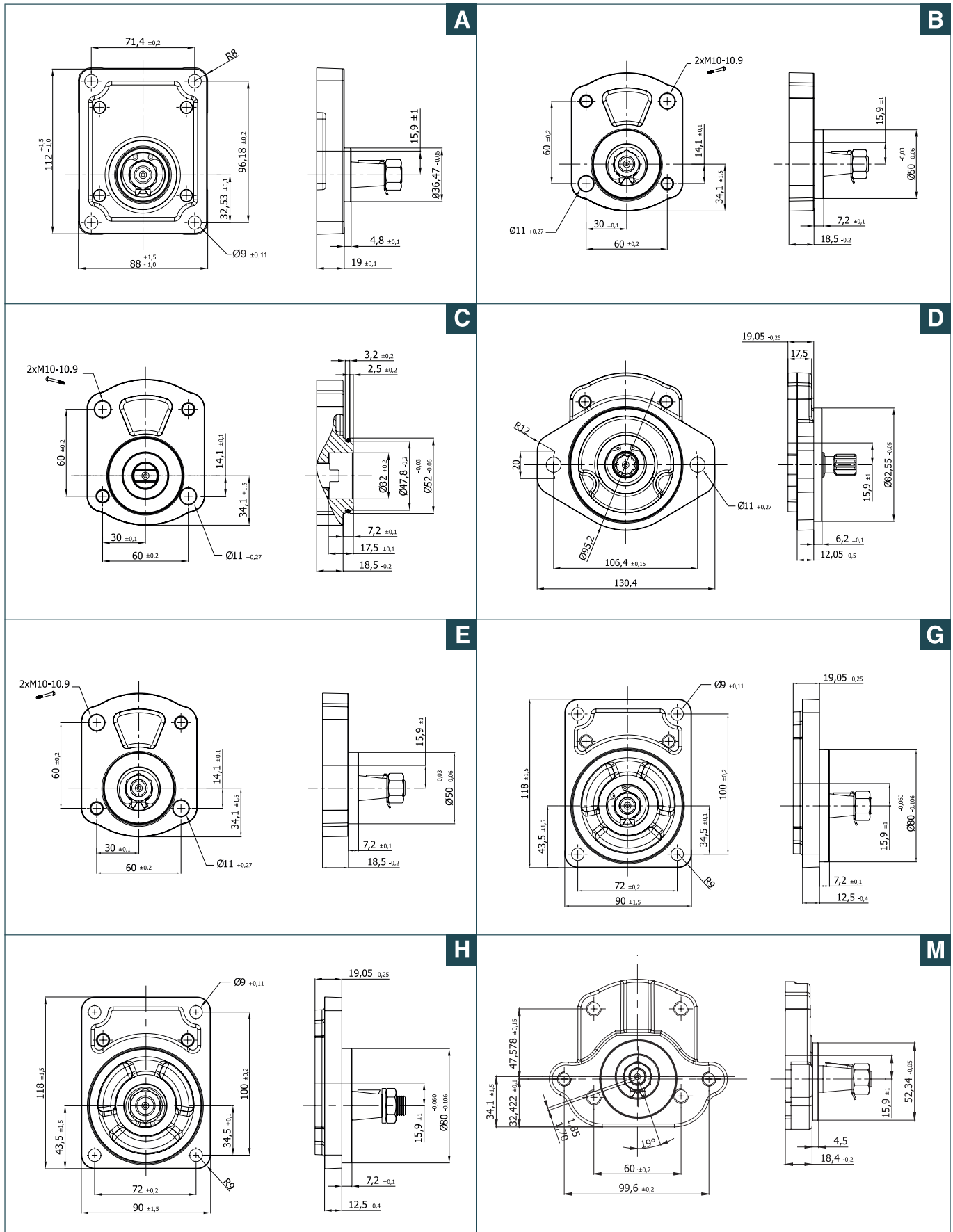
Tahrik Şaftı / Drive Shaft
A Konik - Kamalı Tapered key shaft 1:5
B Konik - Kamalı Tapered key shaft 1:8
C SAE spline şaft 9 diş SAE spline shaft 9T
E Kesik şaftlı Tang drive shaft
F SAE spline şaft 11 diş SAE spline shaft 11T
G Spline şaft DIN 5482 Spline shaft (B17x14)
H Paralel şaft Parallel shaft
K Konik - Kamalı Tapered key shaft 1:5
L Konik - Kamalı Tapered key shaft 1:5
M SAE spline şaft J498 10 diş SAE spline shaft 16/32 DP 10T
N Konik - Kamalı Tapered key shaft 1:8
T Kesik şaftlı Tang drive shaft

Giriş - Çıkış Delikleri / Inlet and Outlet Ports
01 Kare tip Rectangular
02 Baklava tip Diamond
03 Metrik dişli ISO 6149 oring boss
04 UNF diş UNF thread
05 Boru diş Pipe thread
06 SAE Dikdörtgen Flanş Metrik diş SAE Square Flange Thread Metric

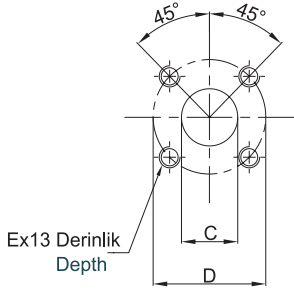
- Kodlama Örneği (Tekli) ; AP20.115.CAB02SN
Code Example (Single)

- Kodlama Örneği (Tandem) ; AP20.115/115/115.CAB02SN-T
Code Example (Tandem)

- Kodlama Örneği (Modüler) ; AP20.115/115/115.CAB02SN-M
Code Example (Modular)

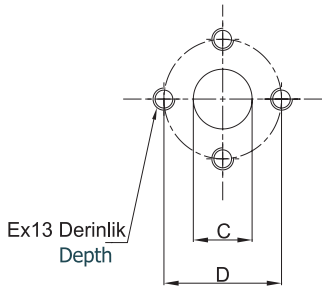


A 40,5 27,5 10,5 1,6 3 -0,02 5 13 Sıkma torku 50Nm Tighten Torque M12x1,5 Koniklik 1:5 Basic Taper Ref. Çapı 17 Ref. Diameter Maks. Tork 110 Nm Max. Torque	B 40 28 12,1 1,8 3,2 -0,02 6,35 15,8 Sıkma torku 50Nm Tighten Torque M12x1,5 Koniklik 1:8 Basic Taper Ref. Çapı 16,66 Ref. Diameter Maks. Tork 110 Nm Max. Torque
C 31,5 8 15,46 ±0,13 SAE 16-4 (A) 5/8" Spline Evolvent Spline Diş Dibi Düz, Yanaktan Alıştırılmalı 9 Diş, 16/32 DP Involute Spline Flat Root Side Fit 9 Teeth, 16/32 DP Maks. Tork 90 Nm Max. Torque	E 6,5 +0,2 2,7 +0,5 17 32 12 -0,2 30 Kaplin Coupling Maks. Tork 65 Nm Max. torque
F 31,5 18,631 -0,127 SAE 3498 Spline Evolvent Spline Diş Dibi Düz, Yanaktan Alıştırılmalı 11 Diş, 16/32 DP Involute spline Flat root side fit 11 Teeth, 16/32 DP Maks. Tork 150 Nm Max. Torque	G 23,5 16,5 -0,27 27 Diş kalınlığı Tooth Thickness SW=3,2 ±0,03 Evolvent Spline DIN 5482 B17x14 9 Diş Involute Spline DIN 5482 B17x14 9 Teeth Maks. Tork 115 Nm Max. Torque
H 32 ±0,5 8 18 17,73 ±0,13 15,875 ±0,025 Düz kama Key 4x18 DIN 6885 Maks. Tork 55 Nm Max. torque	M 35,4 23 Tam Diş Boyu Min. full thread SAE J498 A Evolvent Spline Diş Dibi Düz, Yanaktan Alıştırılmalı 10 Diş, 16/32 DP SAE J498 A Involute Spline Flat Root Side Fit 10 Teeth, 16/32 DP Maks. Tork 115 Nm Max. Torque



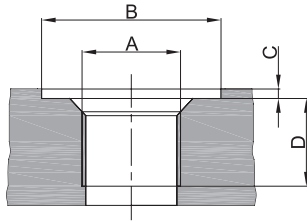
01 Kare Tipi Flanş Rectangular Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
01	4	12	40	M6	12	35	M6
	6	13,5			13,5		
	8 – 25	20			15		
	28 - 40				20	40	



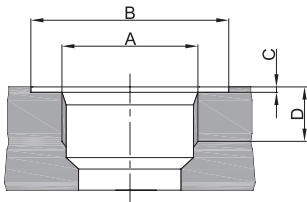
02 Baklava Tipi Flanş Diamond Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
02	4	12	30,2	M6	12	30,2	M6
	6 – 8	13,5			13,5		
	9,5 – 25	20	40	M8	20	40	M8
	28 – 40						



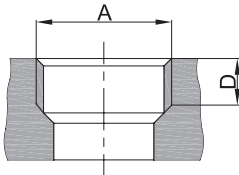
03 Metrik diş / Thread, Oring Boss Metric ISO 6149 With Seal Ring

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
03	4 – 6	M18x1,5	30	0,5	16	M18x1,5	30	0,5	16
	8 – 16	M27x2	40		19	M22x1,5	35		19
	19 – 40	M33x2	45		22				



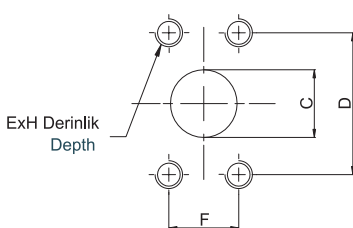
04 Diş / Thread (UNF-2B) SAE Oring Boss

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
04	4 – 6	9/16-18 UNF-2B	25	0,5	13	9/16-18 UNF-2B	25	0,5	13
	8	7/8-14 UNF-2B	35		16	7/8-14 UNF-2B	35		16
	9,5 – 28	1 1/16-12 UN-2B	45		19				
	32 – 40				19	1 1/16-12 UN-2B	45		19



05 Boru diş / Pipe Thread ISO228/1

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side		Basınç Tarafı Pressure Side	
		A	D	A	D
05	4 – 16	G ¾	16	G ½	16
	19 – 40	G 1	19	G ¾	

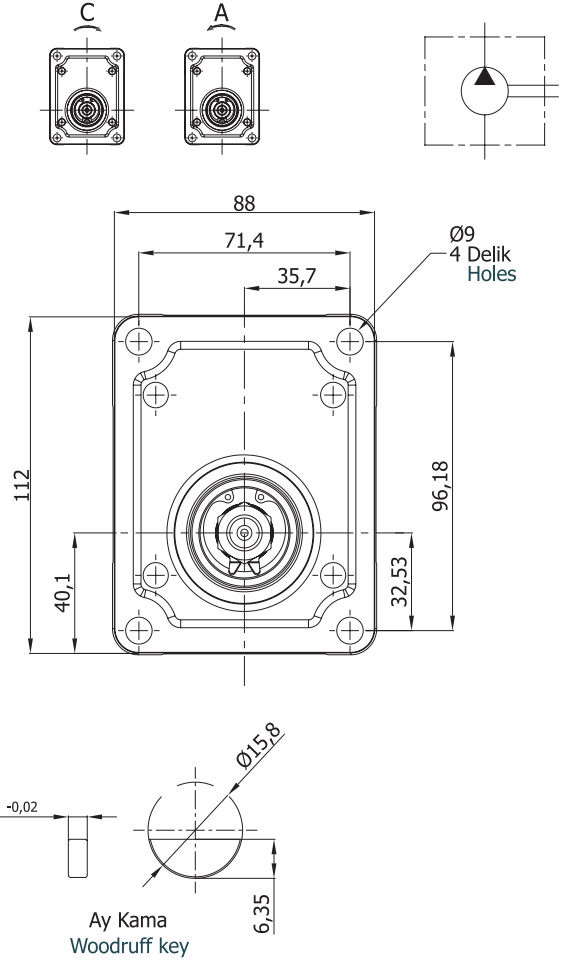
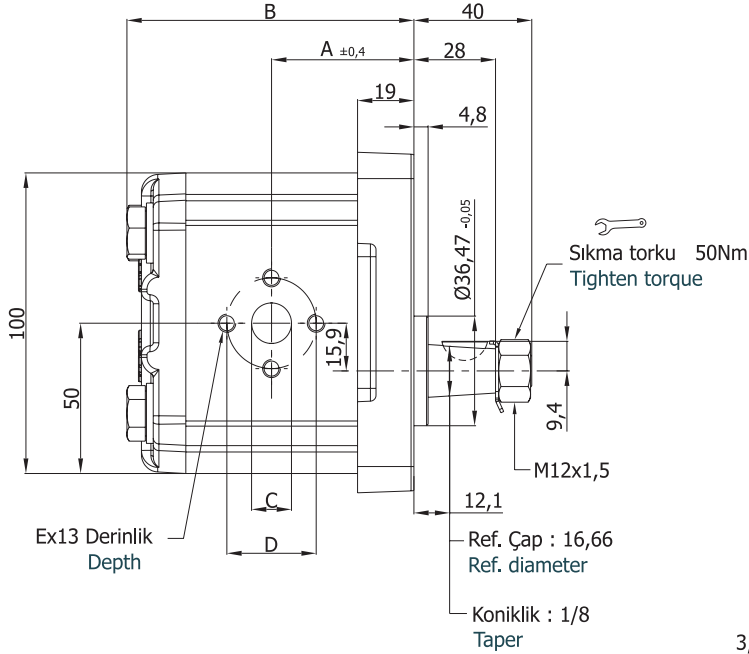


06 SAE Dikdörtgen Flanş Metrik Diş SAE Square Flange Metric Thread

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side					Basınç Tarafı Pressure Side				
		C	D	E	F	H	c	d	e	f	h
06	4 - 11,5	12	38,1	M8	17,5	13	12	38,1	M8	17,5	13
	14 - 19	20	47,6	M10	22,2	16					
	22 - 40	26	52,4		26,2						

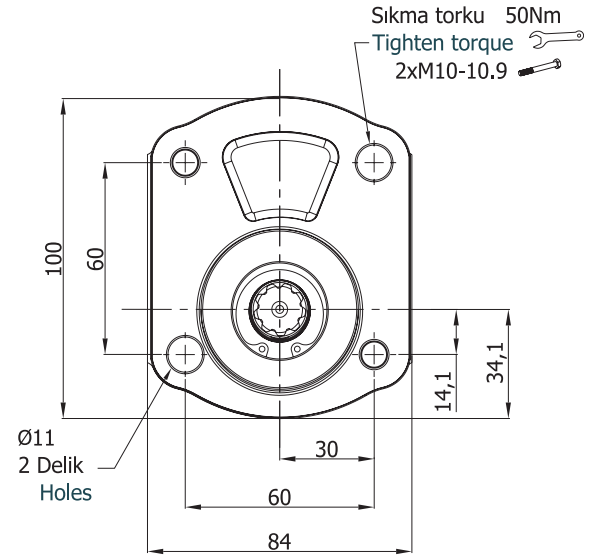
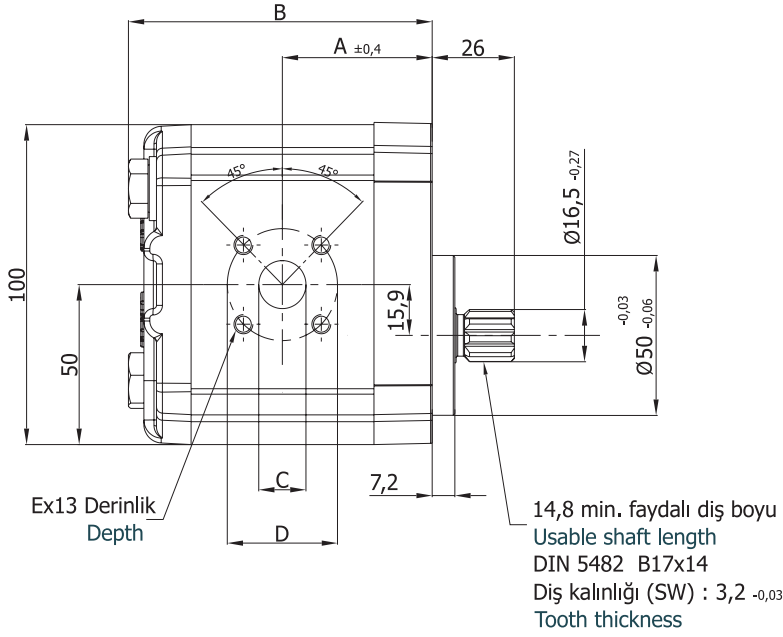
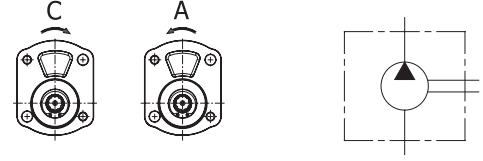
A Ön Kapak
Front Cover

B Şaft Tipi
Shaft Type



Pompa Tipi Pump Type	İletim Hacmi Displacement cm³/dev(cm³/rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş – Inlet			Çıkış - Outlet					
						C	D	E	c	d	e			
APH20.040.A/CAB02SN	3,9	250	3500	42,2	85,3	12	30,2	M6	12	30,2	M6			
APH20.060.A/CAB02SN	5,9			43,8	88,4	13,5			20			40	M8	13,5
APH20.080.A/CAB02SN	8,0			45,4	91,6									
APH20.095.A/CAB02SN	9,4			46,5	93,9	2000	1750	20	40			M8	20	40
APH20.115.A/CAB02SN	11,4		48,2	97,0										
APH20.140.A/CAB02SN	13,9		50,0	101,0										
APH20.160.A/CAB02SN	16,0		51,7	104,1										
APH20.190.A/CAB02SN	19,2		60,2	121,1										
APH20.220.A/CAB02SN	21,9	210	2500	62,3	125,5	20	40	M8	13,5	30,2	M6			
APH20.250.A/CAB02SN	24,8	190		64,8	130,4									
APH20.280.A/CAB02SN	27,9	170	2200	67,0	134,9				20	40	M8	20	40	M8
APH20.320.A/CAB02SN	32,0	160	2000	70,0	141,0									
APH20.340.A/CAB02SN	34,0	150		71,5	144,5									
APH20.380.A/CAB02SN	38,0	140	1750	74,8	150,5									
APH20.400.A/CAB02SN	40,0	130		76,5	154,0									

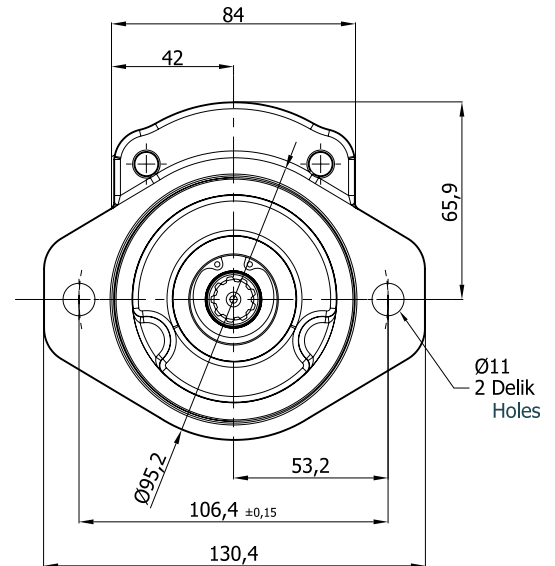
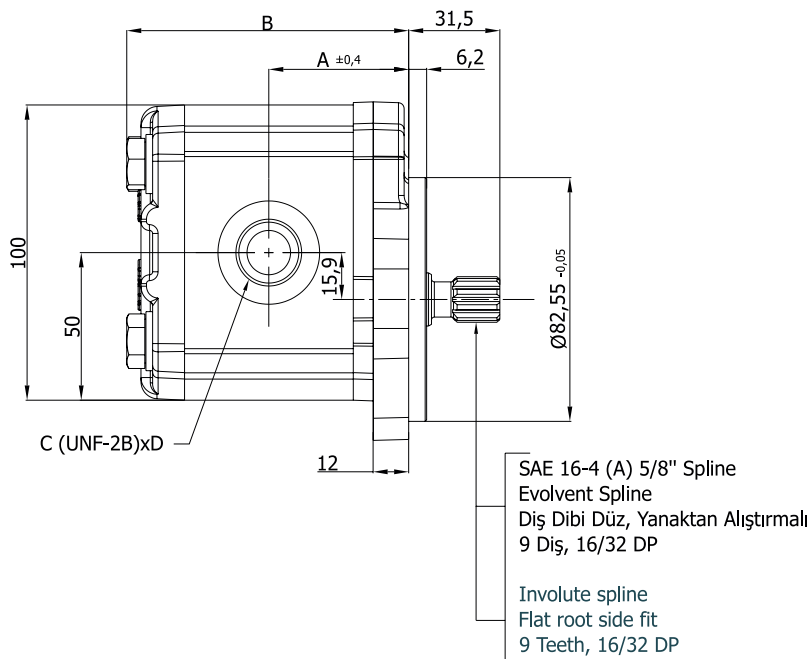
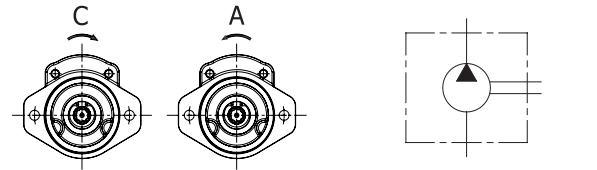
B Ön Kapak
Front Cover

G Şaft Tipi
Shaft Type


Pompa Tipi Pump Type	İletim Hacmi Displacement cm³/dev(cm³/rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş — Inlet			Çıkış - Outlet		
						C	D	E	c	d	e
APH20.040.A/CBG01SN	3,9	250	3500	41,6	84,7	12	40	M6	12	35	M6
APH20.060.A/CBG01SN	5,9			43,2	87,8	13,5			13,5		
APH20.080.A/CBG01SN	8,0			44,8	91,0	20			15		
APH20.095.A/CBG01SN	9,4			45,9	93,3						
APH20.115.A/CBG01SN	11,4		47,6	96,4							
APH20.140.A/CBG01SN	13,9		49,4	100,4							
APH20.160.A/CBG01SN	16,0		51,1	103,5							
APH20.190.A/CBG01SN	19,2		59,6	120,5							
APH20.220.A/CBG01SN	21,9	210	2500	61,7	124,9						
APH20.250.A/CBG01SN	24,8	190		64,2	129,8						
APH20.280.A/CBG01SN	27,9	170	2200	66,4	134,3	20			40		
APH20.320.A/CBG01SN	32,0	160	2000	69,4	140,4						
APH20.340.A/CBG01SN	34,0	150		70,9	143,9						
APH20.380.A/CBG01SN	38,0	140	1750	74,2	149,9						
APH20.400.A/CBG01SN	40,0	130		75,9	153,4						

D Ön Kapak
Front Cover

C Şaft Tipi
Shaft Type



Pompa Tipi Pump Type	İletim Hacmi Displacement cm³/dev(cm³/rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş – Inlet		Çıkış - Outlet					
						C	D	c	d				
APH20.040.A/CDC04SN	3,9	250	3500	42,2	85,3	9/16-18 UNF	13	9/16-18 UNF	13				
APH20.060.A/CDC04SN	5,9			43,8	88,4								
APH20.080.A/CDC04SN	8,0			45,4	91,6	7/8-14 UNF	16	7/8-14 UNF	16				
APH20.095.A/CDC04SN	9,4			46,5	93,9								
APH20.115.A/CDC04SN	11,4		3000	48,2	97,0	1 1/16-12 UNF	19			1 1/16-12 UNF	19		
APH20.140.A/CDC04SN	13,9			50,0	101,0								
APH20.160.A/CDC04SN	16,0			51,7	104,1								
APH20.190.A/CDC04SN	19,2			60,2	121,1								
APH20.220.A/CDC04SN	21,9	210	2500	62,3	125,5								
APH20.250.A/CDC04SN	24,8	190		64,8	130,4								
APH20.280.A/CDC04SN	27,9	170	2200	67,0	134,9			1 1/16-12 UNF	19			1 1/16-12 UNF	19
APH20.320.A/CDC04SN	32,0	160	2000	70,0	141,0								
APH20.340.A/CDC04SN	34,0	150		71,5	144,5								
APH20.380.A/CDC04SN	38,0	140	1750	74,8	150,5								
APH20.400.A/CDC04SN	40,0	130		76,5	154,0								