

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

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

| Ön Yataklama<br>Outboard Bearing |
|----------------------------------|
| O Var / Available                |
| Yok / Absent                     |

| Eleman sayısı        |
|----------------------|
| T Tekli<br>Single    |
| T Tandem<br>Tandem   |
| M Modüler<br>Modular |

| Keçe / Seal |
|-------------|
| N NBR       |
| V Viton     |

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

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

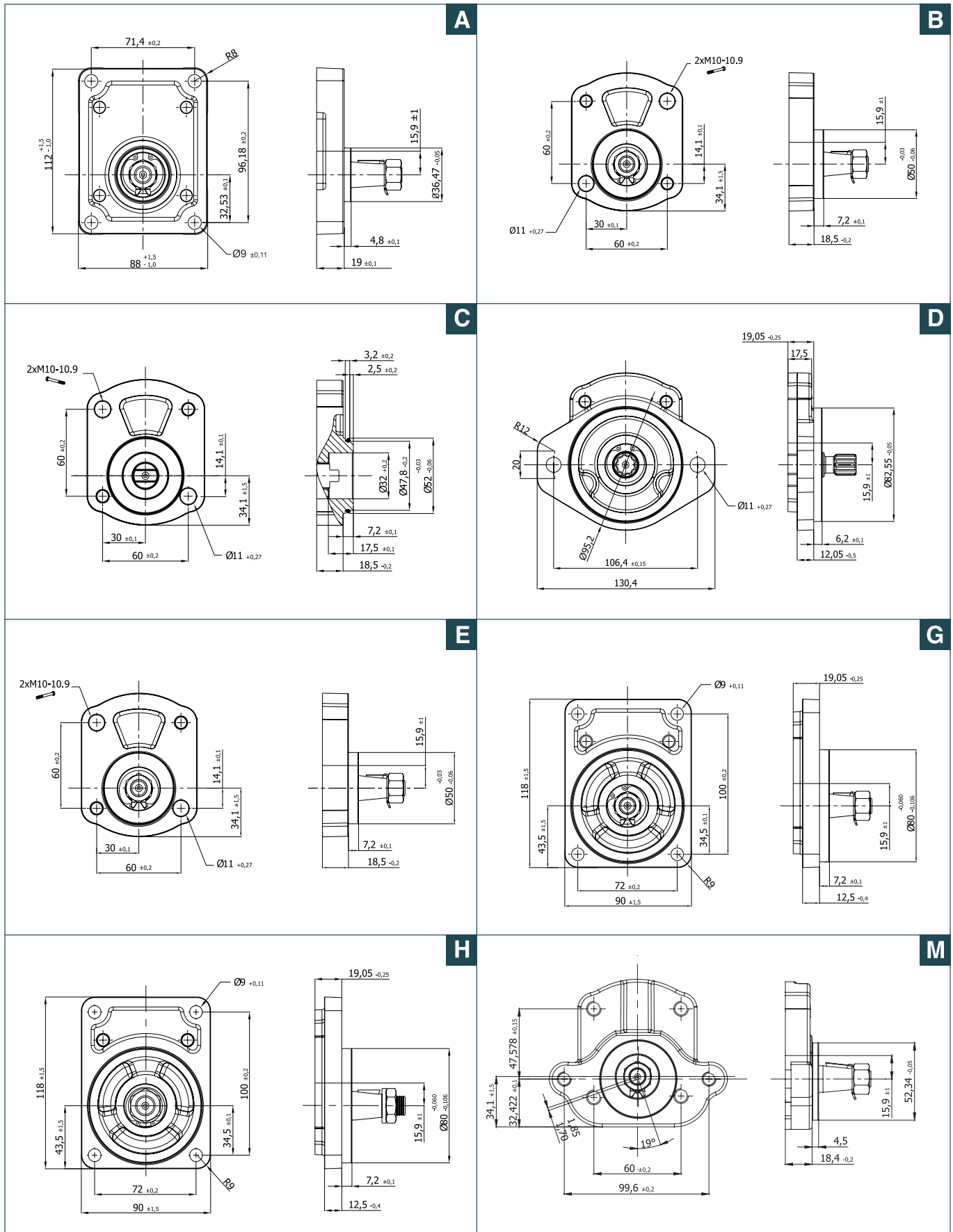
| Tahrik Şaftı / Drive Shaft                                            |
|-----------------------------------------------------------------------|
| <b>A</b> Konik - Kamalı<br>Tapered key shaft 1:5                      |
| <b>B</b> Konik - Kamalı<br>Tapered key shaft 1:8                      |
| <b>C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

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

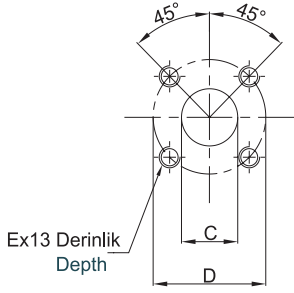
- Kodlama Örneği (Tekli) ; AP20.115.CAB02SN  
Code Example (Single)

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

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

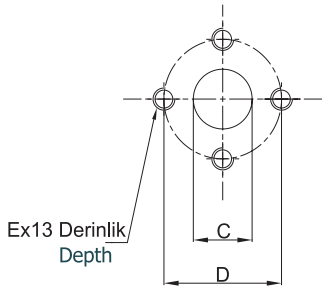


|                 |                 |
|-----------------|-----------------|
| <p><b>A</b></p> | <p><b>B</b></p> |
| <p><b>C</b></p> | <p><b>E</b></p> |
| <p><b>F</b></p> | <p><b>G</b></p> |
| <p><b>H</b></p> | <p><b>M</b></p> |



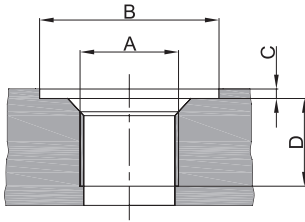
**01** Kare Tipi Flanş  
Rectangular Flange

| Sipariş Kodu<br>Ordering Code | İletim Hacmi<br>Displacement<br>cm³/dev (rev) | Emiş Tarafı<br>Suction Side |    |    | Basınç Tarafı<br>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 |    |



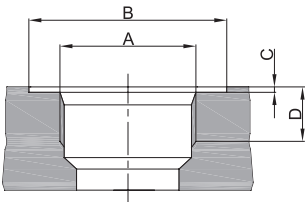
**02** Baklava Tipi Flanş  
Diamond Flange

| Sipariş Kodu<br>Ordering Code | İletim Hacmi<br>Displacement<br>cm³/dev (rev) | Emiş Tarafı<br>Suction Side |      |    | Basınç Tarafı<br>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                                       |                             |      |    |                                |      |    |



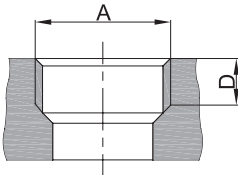
**03** Metrik diş / Thread, Oring Boss  
Metric ISO 6149 With Seal Ring

| Sipariş Kodu<br>Ordering Code | İletim Hacmi<br>Displacement<br>cm³/dev (rev) | Emiş Tarafı<br>Suction Side |    |     |    | Basınç Tarafı<br>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 |                                |    |     |    |



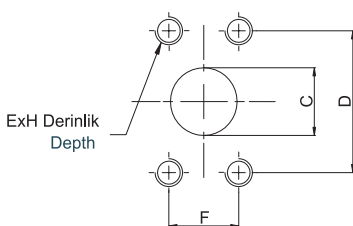
**04** Diş / Thread  
(UNF-2B) SAE Oring Boss

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

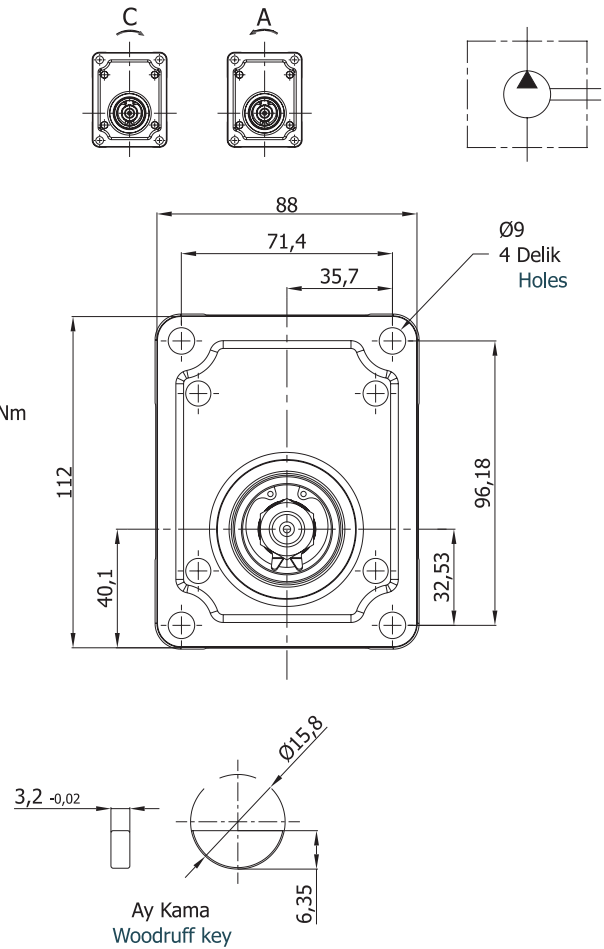
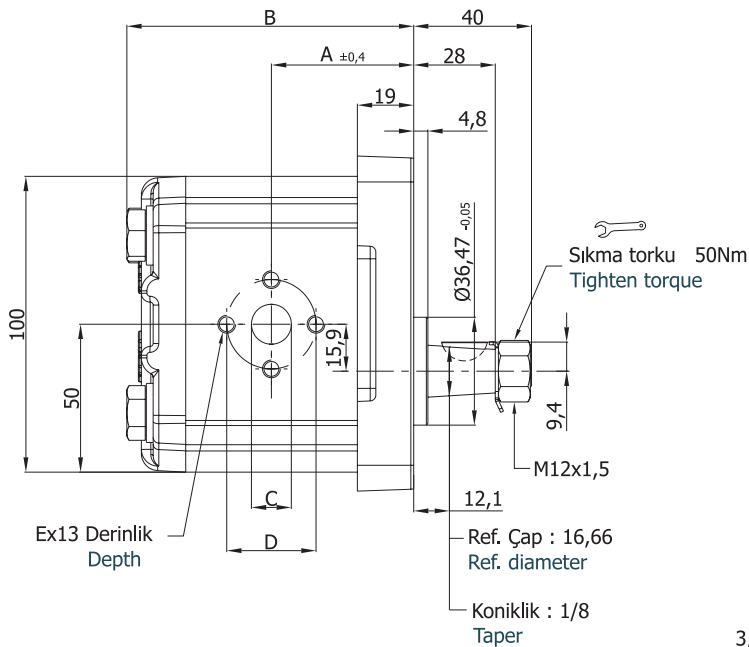


**06** SAE Dikdörtgen Flanş Metrik Diş  
SAE Square Flange Metric Thread

| Sipariş Kodu<br>Ordering Code | İletim Hacmi<br>Displacement<br>cm³/dev (rev) | Emiş Tarafı<br>Suction Side |      |     |      |    | Basınç Tarafı<br>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 |    | 20                             | 47,6 | M10 | 22,2 | 16 |

**A** Ön Kapak  
Front Cover

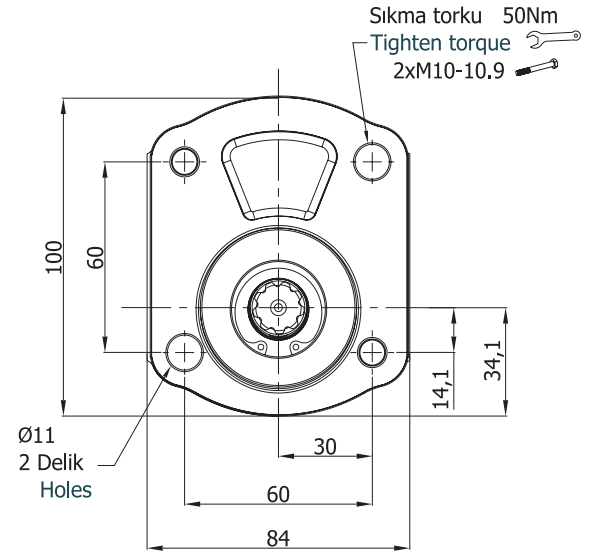
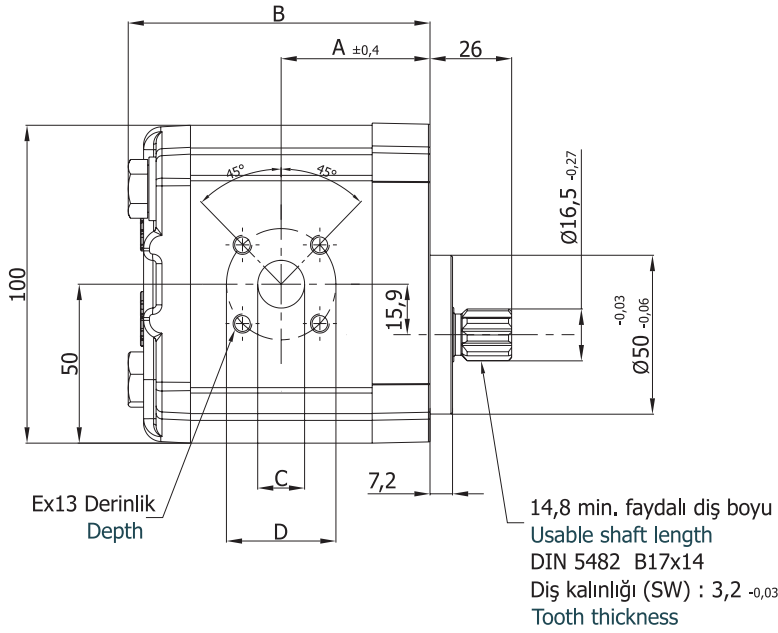
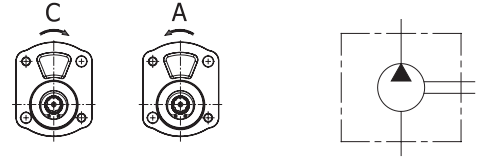
## B Şaft Tipi Shaft Type



| Pompa Tipi<br>Pump Type | İletim Hacmi<br>Displacement<br>cm³/dev(cm³/rev) | Maks. Basiç<br>Max. Pressure<br>(bar) | Maks. Hız<br>Max. Speed<br>d/d (rpm) | A ±0,4 | B     | Giriş – Inlet |      |    | Çıkış - Outlet |      |    |    |    |
|-------------------------|--------------------------------------------------|---------------------------------------|--------------------------------------|--------|-------|---------------|------|----|----------------|------|----|----|----|
|                         |                                                  |                                       |                                      |        |       | C             | D    | E  | c              | d    | e  |    |    |
| DKP20.040.A/CAB02SN     | 3,9                                              | 280                                   | 3500                                 | 42,2   | 85,3  | 12            | 30,2 | M6 | 12             | 30,2 | M6 |    |    |
| DKP20.060.A/CAB02SN     | 5,9                                              |                                       |                                      | 43,8   | 88,4  | 13,5          |      |    |                |      |    |    |    |
| DKP20.080.A/CAB02SN     | 8,0                                              |                                       |                                      | 45,4   | 91,6  |               |      |    |                |      |    |    |    |
| DKP20.095.A/CAB02SN     | 9,4                                              |                                       |                                      | 46,5   | 93,9  | 20            |      |    | 40             |      |    | M8 |    |
| DKP20.115.A/CAB02SN     | 11,4                                             |                                       | 3000                                 | 48,2   | 97,0  |               |      |    |                |      |    |    |    |
| DKP20.140.A/CAB02SN     | 13,9                                             |                                       |                                      | 50,0   | 101,0 |               |      |    |                |      |    |    |    |
| DKP20.160.A/CAB02SN     | 16,0                                             |                                       |                                      | 51,7   | 104,1 |               |      |    |                |      |    |    |    |
| DKP20.190.A/CAB02SN     | 19,2                                             |                                       |                                      | 60,2   | 121,1 |               |      |    |                |      |    |    |    |
| DKP20.220.A/CAB02SN     | 21,9                                             |                                       | 240                                  | 2500   | 62,3  | 125,5         |      |    |                |      |    |    |    |
| DKP20.250.A/CAB02SN     | 24,8                                             | 220                                   | 64,8                                 |        | 130,4 |               |      |    |                |      |    |    |    |
| DKP20.280.A/CAB02SN     | 27,9                                             | 200                                   | 2200                                 | 67,0   | 134,9 |               |      |    |                |      |    | 20 | 40 |

**B** Ön Kapak  
Front Cover

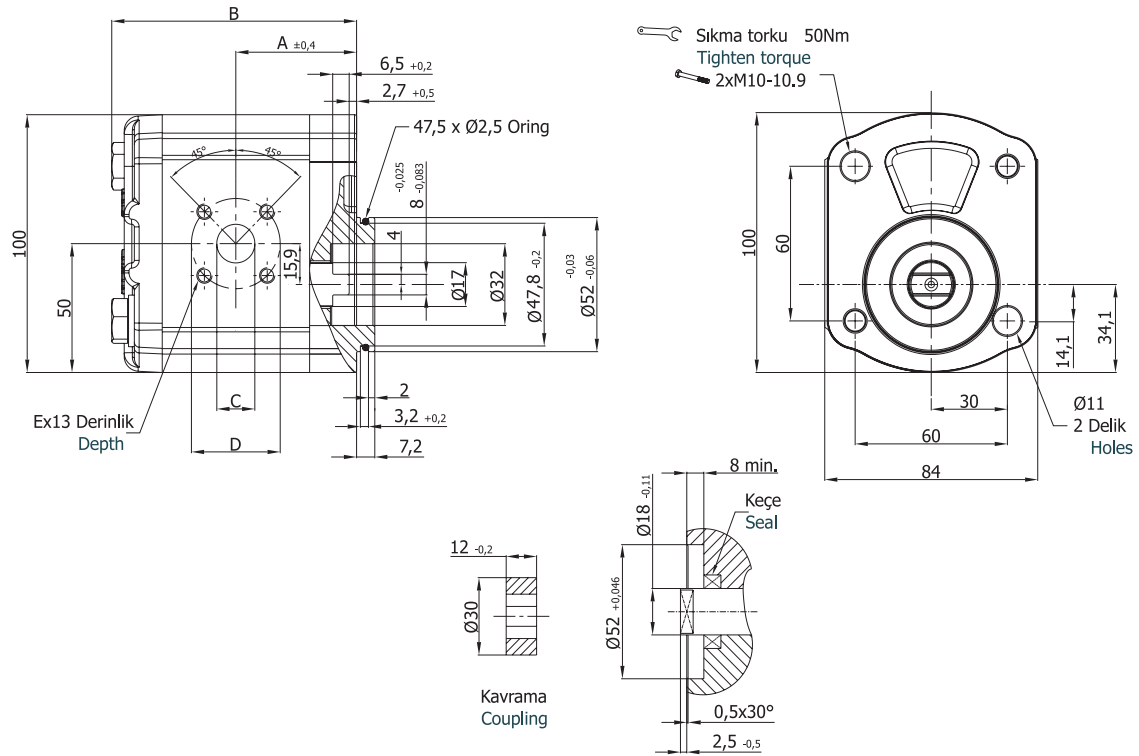
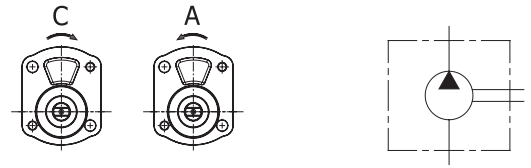
**G** Şaft Tipi  
Shaft Type



| Pompa Tipi<br>Pump Type | İletim Hacmi<br>Displacement<br>cm³/dev(cm³/rev) | Maks. Basınç<br>Max. Pressure<br>(bar) | Maks. Hız<br>Max. Speed<br>d/d (rpm) | A ±0,4 | B     | Giriş – Inlet |    |    | Çıkış - Outlet |    |    |
|-------------------------|--------------------------------------------------|----------------------------------------|--------------------------------------|--------|-------|---------------|----|----|----------------|----|----|
|                         |                                                  |                                        |                                      |        |       | C             | D  | E  | c              | d  | e  |
| DKP20.040.A/CBG01SN     | 3,9                                              | 280                                    | 3500                                 | 41,6   | 84,7  | 12            | 40 | M6 | 12             | 35 | M6 |
| DKP20.060.A/CBG01SN     | 5,9                                              |                                        |                                      | 43,2   | 87,8  | 13,5          |    |    | 13,5           |    |    |
| DKP20.080.A/CBG01SN     | 8,0                                              |                                        |                                      | 44,8   | 91,0  | 20            |    |    | 15             |    |    |
| DKP20.095.A/CBG01SN     | 9,4                                              |                                        |                                      | 45,9   | 93,3  |               |    |    |                |    |    |
| DKP20.115.A/CBG01SN     | 11,4                                             |                                        | 3000                                 | 47,6   | 96,4  |               |    |    |                |    |    |
| DKP20.140.A/CBG01SN     | 13,9                                             |                                        |                                      | 49,4   | 100,4 |               |    |    |                |    |    |
| DKP20.160.A/CBG01SN     | 16,0                                             |                                        |                                      | 51,1   | 103,5 |               |    |    |                |    |    |
| DKP20.190.A/CBG01SN     | 19,2                                             |                                        |                                      | 59,6   | 120,5 |               |    |    |                |    |    |
| DKP20.220.A/CBG01SN     | 21,9                                             | 240                                    | 2500                                 | 61,7   | 124,9 | 20            | 40 | M6 |                |    |    |
| DKP20.250.A/CBG01SN     | 24,8                                             | 220                                    |                                      | 64,2   | 129,8 |               |    |    |                |    |    |
| DKP20.280.A/CBG01SN     | 27,9                                             | 200                                    | 2200                                 | 66,4   | 134,3 |               |    |    |                |    |    |

**C** Ön Kapak  
Front Cover

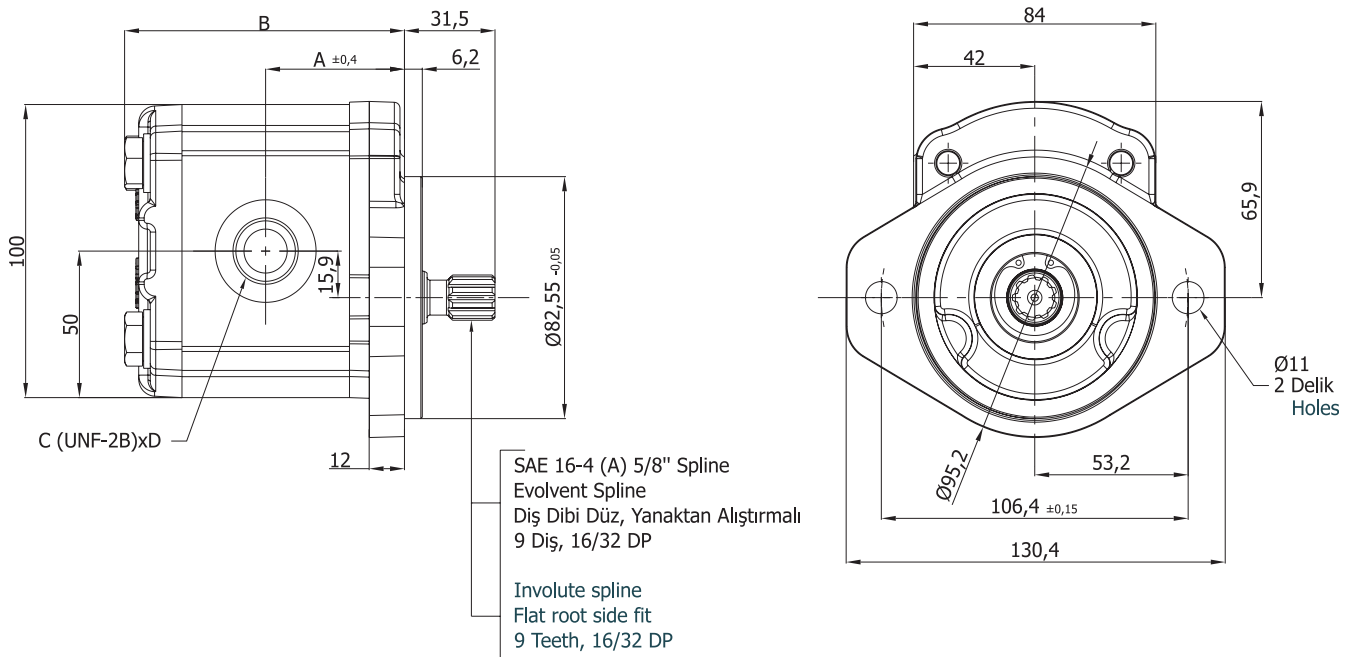
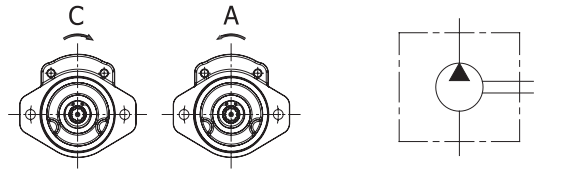
## E Şaft Tipi Shaft Type



| Pompa Tipi<br>Pump Type | İletim Hacmi<br>Displacement<br>cm³/dev(cm³/rev) | Maks. Basiñ<br>Max. Pressure<br>(bar) | Maks. Hız<br>Max. Speed<br>d/d (rpm) | A ±0,4 | B    | Giriş – Inlet |       |    | Çıkış - Outlet |    |    |
|-------------------------|--------------------------------------------------|---------------------------------------|--------------------------------------|--------|------|---------------|-------|----|----------------|----|----|
|                         |                                                  |                                       |                                      |        |      | C             | D     | E  | c              | d  | e  |
| DKP20.040.A/CCE01SN     | 3,9                                              | 280                                   | 3500                                 | 41,6   | 84,7 | 12            | 40    | M6 | 12             | 35 | M6 |
| DKP20.060.A/CCE01SN     | 5,9                                              |                                       |                                      | 43,2   | 87,8 | 13,5          |       |    | 13,5           |    |    |
| DKP20.080.A/CCE01SN     | 8,0                                              |                                       |                                      | 44,8   | 91,0 | 20            |       |    | 15             |    |    |
| DKP20.095.A/CCE01SN     | 9,4                                              |                                       |                                      | 45,9   | 93,3 |               |       |    |                |    |    |
| DKP20.115.A/CCE01SN     | 11,4                                             |                                       | 47,6                                 | 96,4   |      |               |       |    |                |    |    |
| DKP20.140.A/CCE01SN     | 13,9                                             |                                       | 49,4                                 | 100,4  | 2500 |               |       |    |                |    |    |
| DKP20.160.A/CCE01SN     | 16,0                                             |                                       | 51,1                                 | 103,5  |      |               |       |    |                |    |    |
| DKP20.190.A/CCE01SN     | 19,2                                             |                                       | 59,6                                 | 120,5  |      |               |       |    |                |    |    |
| DKP20.220.A/CCE01SN     | 21,9                                             |                                       | 240                                  | 61,7   |      | 124,9         |       |    |                |    |    |
| DKP20.250.A/CCE01SN     | 24,8                                             | 220                                   | 64,2                                 | 129,8  | 20   | 40            |       |    |                |    |    |
| DKP20.280.A/CCE01SN     | 27,9                                             | 200                                   | 2200                                 | 66,4   |      |               | 134,3 |    |                |    |    |

**D** Ön Kapak  
Front Cover

**C** Şaft Tipi  
Shaft Type



| Pompa Tipi<br>Pump Type | İletim Hacmi<br>Displacement<br>cm³/dev(cm³/rev) | Maks. Basınç<br>Max. Pressure<br>(bar) | Maks. Hız<br>Max. Speed<br>d/d (rpm) | A ±0,4 | B     | Giriş – Inlet |    | Çıkış - Outlet |    |
|-------------------------|--------------------------------------------------|----------------------------------------|--------------------------------------|--------|-------|---------------|----|----------------|----|
|                         |                                                  |                                        |                                      |        |       | C             | D  | c              | d  |
| DKP20.040.A/CDC04SN     | 3,9                                              | 280                                    | 3500                                 | 42,2   | 85,3  | 9/16-18 UNF   | 13 | 9/16-18 UNF    | 13 |
| DKP20.060.A/CDC04SN     | 5,9                                              |                                        |                                      | 43,8   | 88,4  |               |    |                |    |
| DKP20.080.A/CDC04SN     | 8,0                                              |                                        |                                      | 45,4   | 91,6  | 7/8-14 UNF    | 16 | 7/8-14 UNF     | 16 |
| DKP20.095.A/CDC04SN     | 9,4                                              |                                        |                                      | 46,5   | 93,9  | 1 1/16-12 UNF | 19 |                |    |
| DKP20.115.A/CDC04SN     | 11,4                                             |                                        | 3000                                 | 48,2   | 97,0  |               |    |                |    |
| DKP20.140.A/CDC04SN     | 13,9                                             |                                        |                                      | 50,0   | 101,0 |               |    |                |    |
| DKP20.160.A/CDC04SN     | 16,0                                             |                                        |                                      | 51,7   | 104,1 |               |    |                |    |
| DKP20.190.A/CDC04SN     | 19,2                                             |                                        |                                      |        | 60,2  | 121,1         |    |                |    |
| DKP20.220.A/CDC04SN     | 21,9                                             | 240                                    | 2500                                 | 62,3   | 125,5 |               |    |                |    |
| DKP20.250.A/CDC04SN     | 24,8                                             | 220                                    |                                      | 64,8   | 130,4 |               |    |                |    |
| DKP20.280.A/CDC04SN     | 27,9                                             | 200                                    | 2200                                 | 67,0   | 134,9 |               |    |                |    |