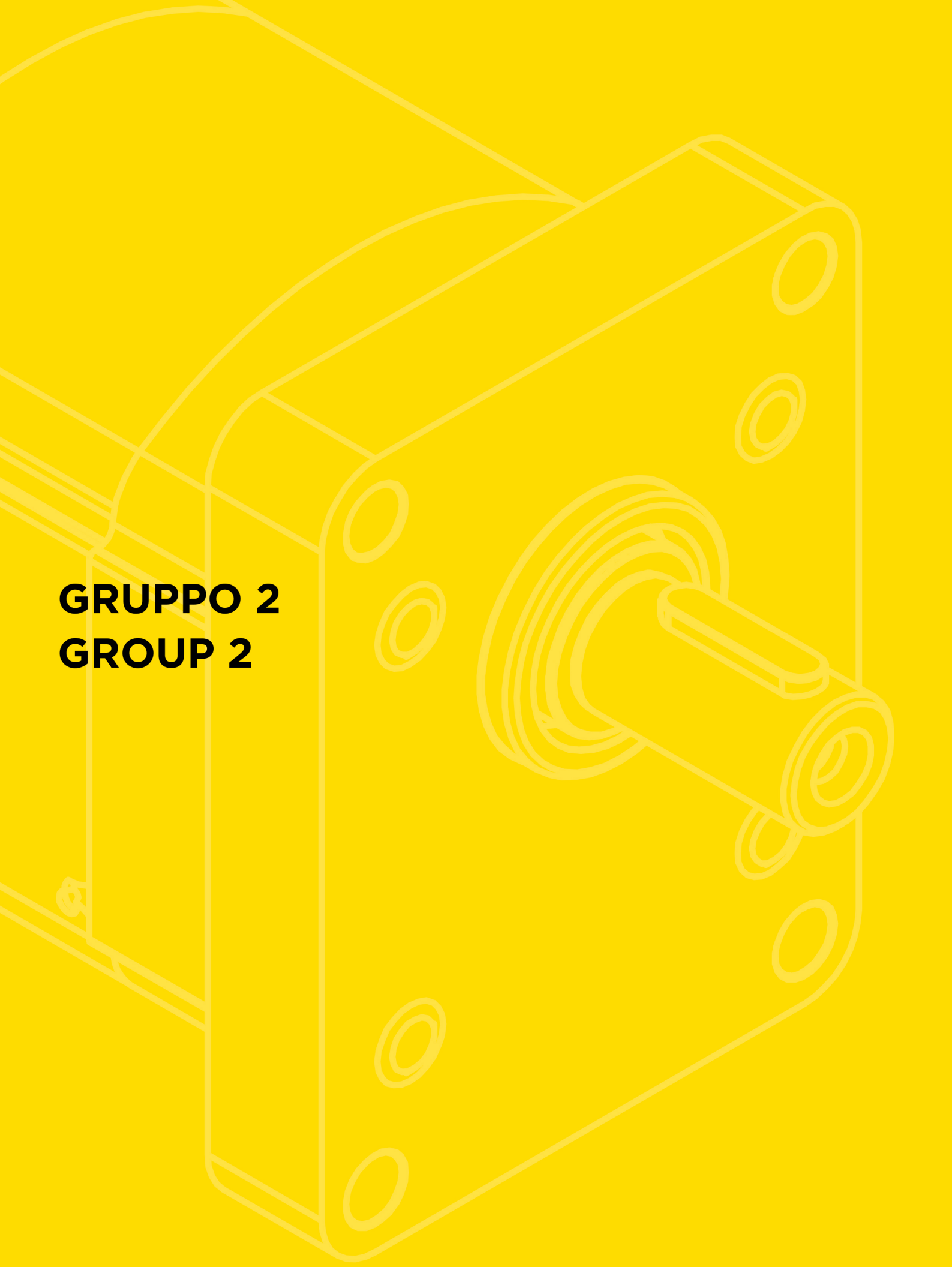


An isometric line drawing of a mechanical component, likely a bracket or a mounting plate, rendered in white lines on a solid yellow background. The component features a rectangular base with rounded corners, a central cylindrical protrusion, and several circular holes for screws or bolts. The drawing is oriented at an angle, showing the top and side surfaces.

## **GRUPPO 2**

## **GROUP 2**

## CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

| Grandezza<br>Size | Cilindrata<br>cm <sup>3</sup> /giro<br>Displacement | Velocità max<br>giri/min<br>Max speed<br>rpm | Portata max<br>lt/min<br>Max flow<br>(gpm) | Velocità min<br>giri/min<br>Min speed<br>rpm | Rendim. Vol.<br>min* %<br>Min Volum.<br>Effic.* % |
|-------------------|-----------------------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------------------------|---------------------------------------------------|
| BG20-04           | 4                                                   | 4000                                         | 6                                          | 500                                          | 93                                                |
| BG20-06           | 6                                                   | 4000                                         | 9                                          | 500                                          | 94                                                |
| BG20-08           | 8                                                   | 3500                                         | 12                                         | 500                                          | 95                                                |
| BG20-11           | 11                                                  | 3500                                         | 16                                         | 500                                          | 95                                                |
| BG20-15           | 15                                                  | 3500                                         | 22                                         | 500                                          | 95                                                |
| BG20-18           | 18                                                  | 3500                                         | 27                                         | 500                                          | 95                                                |
| BG20-25           | 25                                                  | 3300                                         | 37                                         | 500                                          | 95                                                |
| BG20-30           | 30                                                  | 2800                                         | 45                                         | 500                                          | 95                                                |

\*Rendimento volumetrico a 1500 giri/min \* Volumetric efficiency at 1500 rpm



**ST0**  
Flangia standard  
Standard flange



**BZ0 / BNO**  
Flangia B50 C  
B50 C flange



**S20 / S21**  
Flangia Sae A / SAE A-OR  
Sae A / SAE A-OR flange



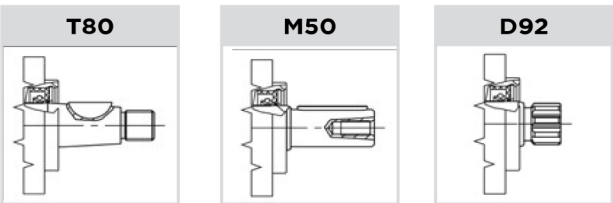
**B80**  
Flangia B80 C  
B80 C flange



Technical drawing of the front view of a pump assembly. The drawing shows a cylindrical body with a central circular feature. Dimensions are provided in inches and millimeters. Key dimensions include: total width B, distance A from the center to the right edge, a 5 (0.197) inch offset, a 15.75 (0.620) inch offset, a 14 (0.551) inch offset, and a total height of 100 (3.937) inches. The central feature has a diameter of 36.5 f8 (-0.025/-0.064) inches. The text "Lato aspirazione Suction side" is on the left, and "Posizione dell'albero per rotazione ANTIORARIA Position of drive shaft for ANTI-CLOCKWISE rotation" is on the right.

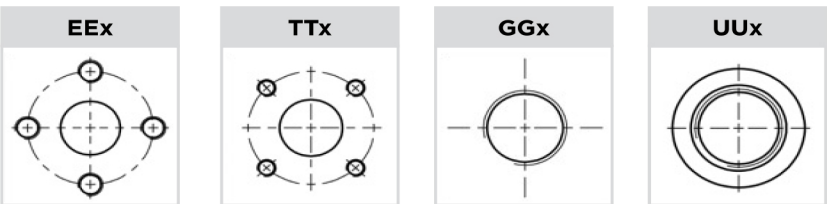
| Grandezza<br>Size | Cilindrata cm³/giro<br>Displacement (in³/rev) | Pressione max di esercizio<br>Max working pressure |                 |                 | Dimensioni<br>Dimensions |              | Massa kg<br>Mass (lbs) |
|-------------------|-----------------------------------------------|----------------------------------------------------|-----------------|-----------------|--------------------------|--------------|------------------------|
|                   |                                               | P1<br>Bar (psi)                                    | P2<br>Bar (psi) | P3<br>Bar (psi) | A<br>mm (in)             | B<br>mm (in) |                        |
| BG20-04           | 4                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 43.9 (1.73)              | 92.6 (3.65)  | 2.16 (4.76)            |
| BG20-06           | 6                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 45.5 (1.79)              | 95.9 (3.78)  | 2.25 (4.96)            |
| BG20-08           | 8                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 47.3 (1.86)              | 99.4 (9.91)  | 2.27 (5.00)            |
| BG20-11           | 11                                            | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 49.6 (1.95)              | 104.1 (4.10) | 2.46 (5.42)            |
| BG20-15           | 15                                            | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 52.2 (2.06)              | 109.2 (4.30) | 2.60 (5.73)            |
| BG20-18           | 18                                            | 230 (3336)                                         | 240 (3481)      | 250 (3625)      | 54.3 (2.14)              | 113.4 (4.47) | 2.72 (6.00)            |
| BG20-25           | 25                                            | 210 (3046)                                         | 220 (3191)      | 230 (3336)      | 56.7 (2.32)              | 118.2 (4.65) | 2.85 (6.28)            |
| BG20-30           | 30                                            | 190 (2756)                                         | 200 (2901)      | 210 (3046)      | 59.3 (2.34)              | 123.4 (4.86) | 2.99 (6.59)            |

# ALBERI CONSIGLIATI - SUGGESTED SHAFTS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

# CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

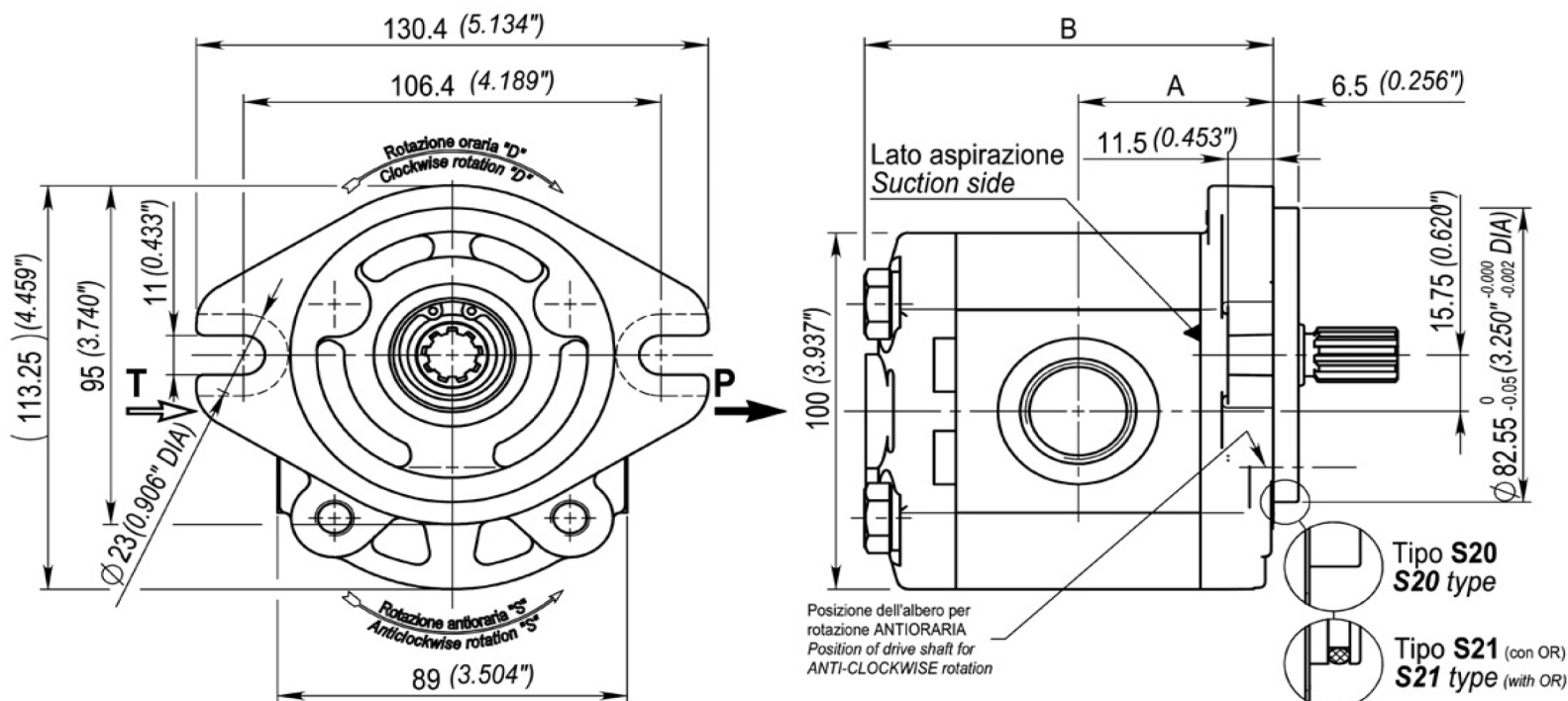
“X” = numero variabile dipendente dalla cilindrata  
“X” = variable number that depends on the displacement

# CODICE ORDINAZIONE - ORDERING CODE

| BG20 | CODICE<br>CODE                          |                                                                                      |
|------|-----------------------------------------|--------------------------------------------------------------------------------------|
|      | CILINDRATA<br>DISPLACEMENT              | 04 06 08 11 15 18 25 35<br>4 6 8 11 15 18 25 35                                      |
|      | FLANGIA<br>FLANGE                       | ST0 Standard Standard                                                                |
|      | FLANGIA E COPERCHIO<br>FLANGE AND COVER | A Alluminio Aluminium<br>G Ghisa Cast iron (Heavy duty)                              |
|      | ALBERO<br>SHAFT                         | T80 M50 D92                                                                          |
|      | CONNESSIONE<br>CONNECTION               | EEx TTx GGx UUx                                                                      |
|      | ROTAZIONE<br>ROTATION                   | D Rotazione destra Clockwise rotation<br>S Rotazione sinistra Anticlockwise rotation |
|      | COPERCHIO STANDARD<br>STANDARD COVER    | 0 Standard Standard                                                                  |
|      | GUARNIZIONI<br>SEALS                    | O Tenute in Nbr Nbr seals<br>V Tenute in Viton® Viton® seals                         |

# BG20 GR. 2

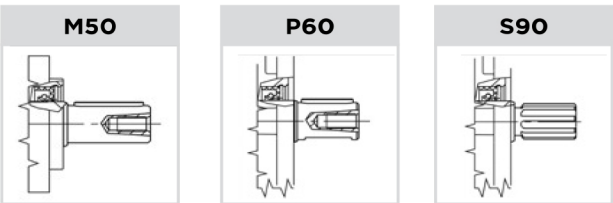
FLANGIA SAE A **S20** / SAE A-OR **S21**  
SAE A **S20** / SAE A-OR **S21** FLANGE



## DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

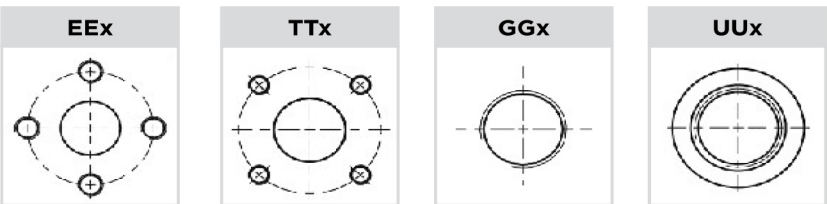
| Grandezza<br>Size | Cilindrata cm <sup>3</sup> /giro<br>Displacement (in <sup>3</sup> /rev) | Pressione max di esercizio<br>Max working pressure |                 |                 | Dimensioni<br>Dimensions |              | Massa kg<br>Mass (lbs) |
|-------------------|-------------------------------------------------------------------------|----------------------------------------------------|-----------------|-----------------|--------------------------|--------------|------------------------|
|                   |                                                                         | P1<br>Bar (psi)                                    | P2<br>Bar (psi) | P3<br>Bar (psi) | A<br>mm (in)             | B<br>mm (in) |                        |
| BG20-04           | 4                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 43.9 (1.73)              | 92.6 (3.65)  | 2.18 (4.81)            |
| BG20-06           | 6                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 45.5 (1.79)              | 95.9 (3.78)  | 2.26 (4.98)            |
| BG20-08           | 8                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 47.3 (1.86)              | 99.4 (9.91)  | 2.36 (5.20)            |
| BG20-11           | 11                                                                      | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 49.6 (1.95)              | 104.1 (4.10) | 2.48 (5.47)            |
| BG20-15           | 15                                                                      | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 52.2 (2.06)              | 109.2 (4.30) | 2.62 (5.78)            |
| BG20-18           | 18                                                                      | 230 (3336)                                         | 240 (3481)      | 250 (3625)      | 54.3 (2.14)              | 113.4 (4.47) | 2.73 (6.02)            |
| BG20-25           | 25                                                                      | 210 (3046)                                         | 220 (3191)      | 230 (3336)      | 56.7 (2.32)              | 118.2 (4.65) | 2.87 (6.33)            |
| BG20-30           | 30                                                                      | 190 (2756)                                         | 200 (2901)      | 210 (3046)      | 59.3 (2.34)              | 123.4 (4.86) | 3.01 (6.64)            |

# ALBERI CONSIGLIATI - SUGGESTED SHAFTS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

# CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

“X” = numero variabile dipendente dalla cilindrata  
“X” = variable number that depends on the displacement

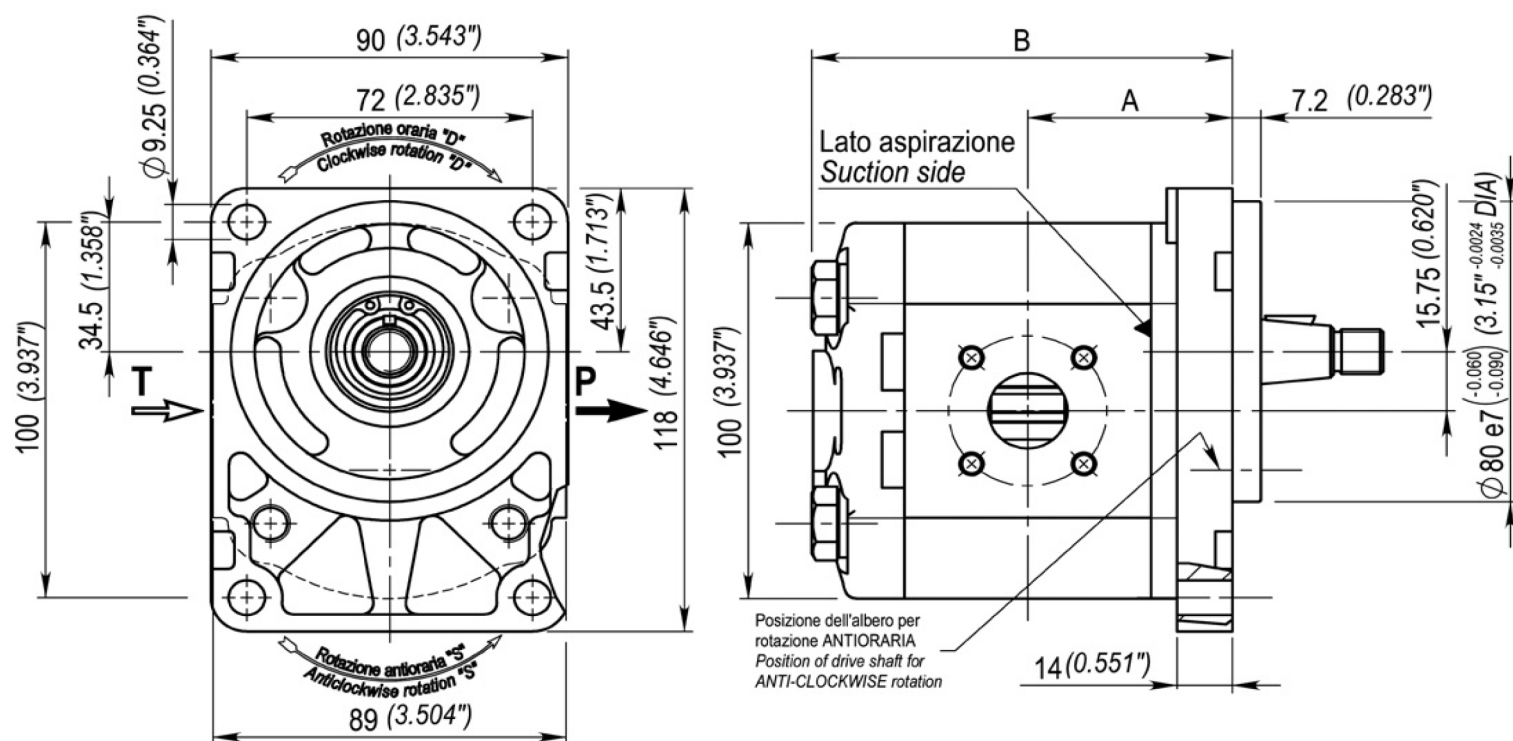
# CODICE ORDINAZIONE - ORDERING CODE

| BG20 | CODICE<br>CODE                          |                                                                                      |
|------|-----------------------------------------|--------------------------------------------------------------------------------------|
|      | CILINDRATA<br>DISPLACEMENT              | 04 06 08 11 15 18 25 35<br>4 6 8 11 15 18 25 35                                      |
|      | FLANGIA<br>FLANGE                       | S20 SAE A SAE A<br>S21 SAE con O-Ring SAE with O-Ring                                |
|      | FLANGIA E COPERCHIO<br>FLANGE AND COVER | A Alluminio Aluminium<br>G Ghisa Cast iron (Heavy duty)                              |
|      | ALBERO<br>SHAFT                         | M50 P60 S90                                                                          |
|      | CONNESSIONE<br>CONNECTION               | EEx TTx GGx UUx                                                                      |
|      | ROTAZIONE<br>ROTATION                   | D Rotazione destra Clockwise rotation<br>S Rotazione sinistra Anticlockwise rotation |
|      | COPERCHIO STANDARD<br>STANDARD COVER    | O Standard Standard                                                                  |
|      | GUARNIZIONI<br>SEALS                    | O Tenute in Nbr Nbr seals<br>V Tenute in Viton® Viton® seals                         |

# BG20 GR. 2

FLANGIA B80 C **B80**

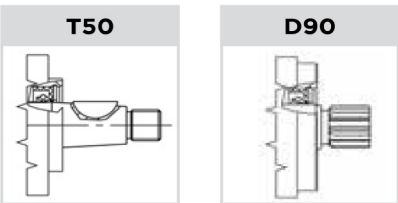
B80 C FLANGE **B80**



## DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

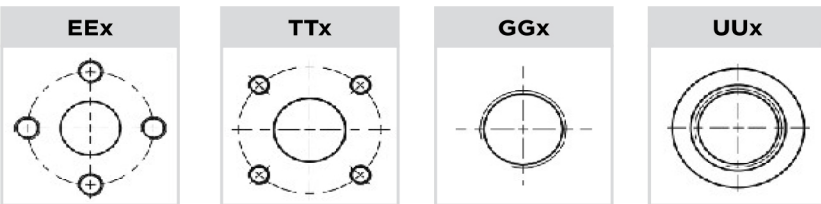
| Grandezza<br>Size | Cilindrata cm <sup>3</sup> /giro<br>Displacement (in <sup>3</sup> /rev) | Pressione max di esercizio<br>Max working pressure |                 |                 | Dimensioni<br>Dimensions |              | Massa kg<br>Mass (lbs) |
|-------------------|-------------------------------------------------------------------------|----------------------------------------------------|-----------------|-----------------|--------------------------|--------------|------------------------|
|                   |                                                                         | P1<br>Bar (psi)                                    | P2<br>Bar (psi) | P3<br>Bar (psi) | A<br>mm (in)             | B<br>mm (in) |                        |
| BG20-04           | 4                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 43.9 (1.73)              | 92.6 (3.65)  | 2.16 (4.76)            |
| BG20-06           | 6                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 45.5 (1.79)              | 95.9 (3.78)  | 2.25 (4.96)            |
| BG20-08           | 8                                                                       | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 47.3 (1.86)              | 99.4 (9.91)  | 2.27 (5.00)            |
| BG20-11           | 11                                                                      | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 49.6 (1.95)              | 104.1 (4.10) | 2.46 (5.42)            |
| BG20-15           | 15                                                                      | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 52.2 (2.06)              | 109.2 (4.30) | 2.60 (5.73)            |
| BG20-18           | 18                                                                      | 230 (3336)                                         | 240 (3481)      | 250 (3625)      | 54.3 (2.14)              | 113.4 (4.47) | 2.72 (6.00)            |
| BG20-25           | 25                                                                      | 210 (3046)                                         | 220 (3191)      | 230 (3336)      | 56.7 (2.32)              | 118.2 (4.65) | 2.85 (6.28)            |
| BG20-30           | 30                                                                      | 190 (2756)                                         | 200 (2901)      | 210 (3046)      | 59.3 (2.34)              | 123.4 (4.86) | 2.99 (6.59)            |

# ALBERI CONSIGLIATI - SUGGESTED SHAFTS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

# CONNESSIONI DISPONIBILI - SAVALABLE CONNECTIONS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

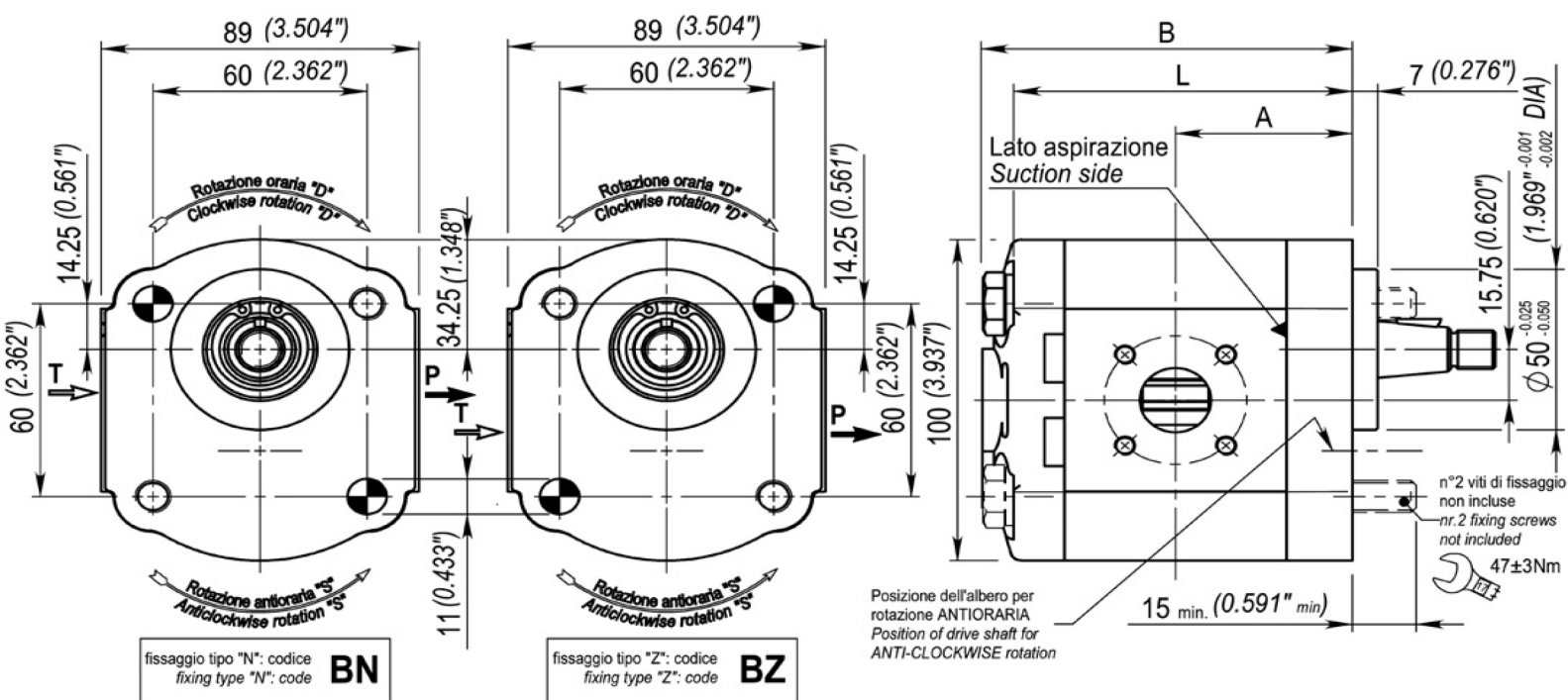
“X” = numero variabile dipendente dalla cilindrata  
“X” = variable number that depends on the displacement

# CODICE ORDINAZIONE - ORDERING CODE

| BG20 | CODICE<br>CODE                          |                                                                                      |
|------|-----------------------------------------|--------------------------------------------------------------------------------------|
|      | CILINDRATA<br>DISPLACEMENT              | 04 06 08 11 15 18 25 35<br>4 6 8 11 15 18 25 35                                      |
|      | FLANGIA<br>FLANGE                       | B80 Flangia B80 C B80 C Flange                                                       |
|      | FLANGIA E COPERCHIO<br>FLANGE AND COVER | A Alluminio Aluminium                                                                |
|      | ALBERO<br>SHAFT                         | T50 D90                                                                              |
|      | CONNESSIONE<br>CONNECTION               | EEx TTx GGx UUx                                                                      |
|      | ROTAZIONE<br>ROTATION                   | D Rotazione destra Clockwise rotation<br>S Rotazione sinistra Anticlockwise rotation |
|      | COPERCHIO STANDARD<br>STANDARD COVER    | O Standard Standard                                                                  |
|      | GUARNIZIONI<br>SEALS                    | O Tenute in Nbr Nbr seals<br>V Tenute in Viton® Viton® seals                         |

# BG20 GR. 2

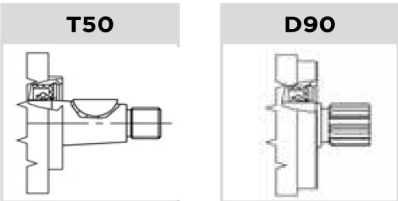
FLANGIA B50 C **BZO** / **BNO**  
B50 C FLANGE **BZO** / **BNO**



## DIMENSIONI E PESI - EXTERNAL DIMENSIONS AND WEIGHTS

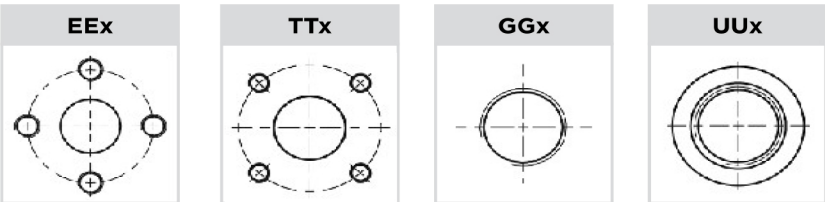
| Grandezza<br>Size | Cilindrata cm³/giro<br>Displacement (in³/rev) | Pressione max di esercizio<br>Max working pressure |                 |                 | Dimensioni<br>Dimensions |              | Massa kg<br>Mass (lbs) |
|-------------------|-----------------------------------------------|----------------------------------------------------|-----------------|-----------------|--------------------------|--------------|------------------------|
|                   |                                               | P1<br>Bar (psi)                                    | P2<br>Bar (psi) | P3<br>Bar (psi) | A<br>mm (in)             | B<br>mm (in) |                        |
| BG20-04           | 4                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 43.9 (1.73)              | 92.6 (3.65)  | 2.16 (4.76)            |
| BG20-06           | 6                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 45.5 (1.79)              | 95.9 (3.78)  | 2.25 (4.96)            |
| BG20-08           | 8                                             | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 47.3 (1.86)              | 99.4 (9.91)  | 2.27 (5.00)            |
| BG20-11           | 11                                            | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 49.6 (1.95)              | 104.1 (4.10) | 2.46 (5.42)            |
| BG20-15           | 15                                            | 250 (3625)                                         | 270 (3916)      | 290 (4206)      | 52.2 (2.06)              | 109.2 (4.30) | 2.60 (5.73)            |
| BG20-18           | 18                                            | 230 (3336)                                         | 240 (3481)      | 250 (3625)      | 54.3 (2.14)              | 113.4 (4.47) | 2.72 (6.00)            |
| BG20-25           | 25                                            | 210 (3046)                                         | 220 (3191)      | 230 (3336)      | 56.7 (2.32)              | 118.2 (4.65) | 2.85 (6.28)            |
| BG20-30           | 30                                            | 190 (2756)                                         | 200 (2901)      | 210 (3046)      | 59.3 (2.34)              | 123.4 (4.86) | 2.99 (6.59)            |

ALBERI CONSIGLIATI - SUGGESTED SHAFTS



Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

CONNESSIONI DISPONIBILI - SAVAILABLE CONNECTIONS

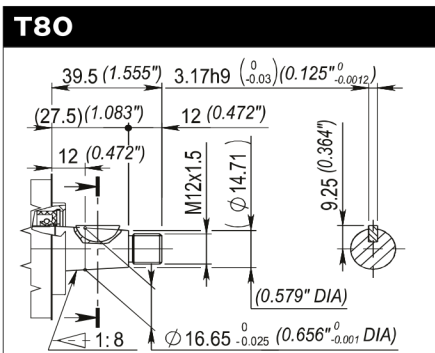


Vedi dimensioni a fine sezione BG20  
See dimensions at the end of section BG20

“X” = numero variabile dipendente dalla cilindrata  
“X” = variable number that depends on the displacement

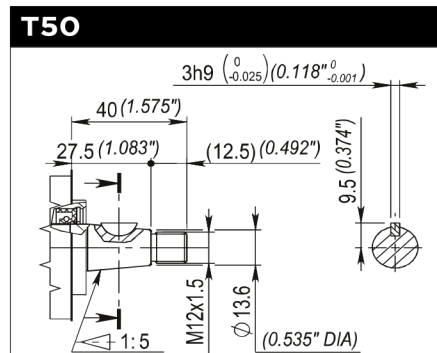
CODICE ORDINAZIONE - ORDERING CODE

| BG20 | CODICE<br>CODE                          |                                                                                                                |
|------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|
|      | CILINDRATA<br>DISPLACEMENT              | <div>0406081115182535</div> <div>4681115182535</div>                                                           |
|      | FLANGIA<br>FLANGE                       | <div>BZ0BNO</div> <div>B50 C fissaggio “Z” B50 C “Z” assembly<br/>B50 C fissaggio “N” B50 C “N” assembly</div> |
|      | FLANGIA E COPERCHIO<br>FLANGE AND COVER | <div>A</div> <div>Alluminio Aluminium</div>                                                                    |
|      | ALBERO<br>SHAFT                         | <div>T50D90</div>                                                                                              |
|      | CONNESSIONE<br>CONNECTION               | <div>EExTTxGGxUUx</div>                                                                                        |
|      | ROTAZIONE<br>ROTATION                   | <div>DS</div> <div>Rotazione destra Clockwise rotation<br/>Rotazione sinistra Anticlockwise rotation</div>     |
|      | COPERCHIO STANDARD<br>STANDARD COVER    | <div>O</div> <div>Standard Standard</div>                                                                      |
|      | GUARNIZIONI<br>SEALS                    | <div>OV</div> <div>Tenute in Nbr Nbr seals<br/>Tenute in Viton® Viton® seals</div>                             |



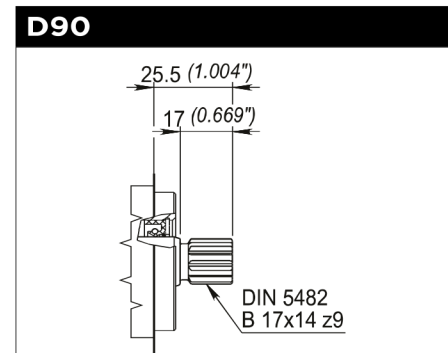
CONICITÀ 1:8  
TAPER 1:8

Coppia max trasmissibile 135 Nm  
Max torque 135 Nm



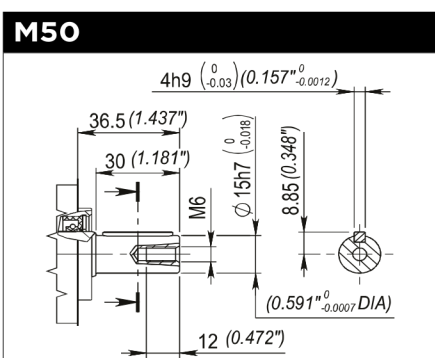
CONICITÀ 1:5  
TAPER 1:5

Coppia max trasmissibile 140 Nm  
Max torque 140 Nm



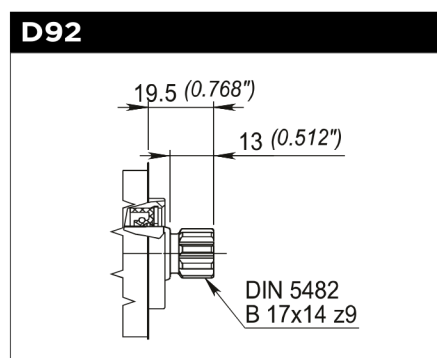
DIN Z9 FLANGIA TEDESCA  
DIN Z9 GERMAN FLANGE

Coppia max trasmissibile 110 Nm  
Max torque 110 Nm



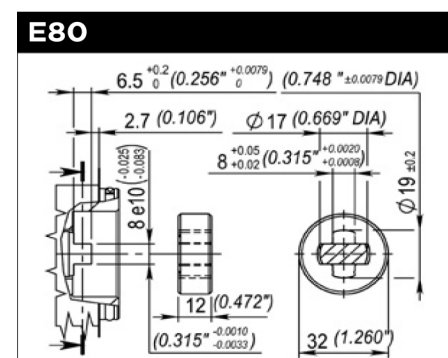
CILINDRICO  
CYLINDRICAL

Coppia max trasmissibile 90 Nm  
Max torque 90 Nm



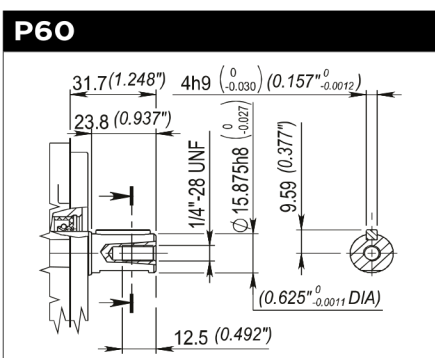
DIN Z9 FLANGIA STANDARD  
DIN Z9 STANDARD FLANGE

Coppia max trasmissibile 110 Nm  
Max torque 110 Nm



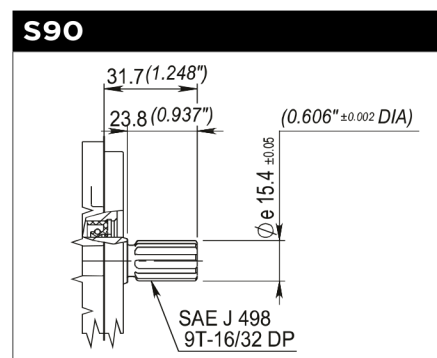
PENNA PER ELETTROPOMPA  
TANG DRIVE FOR ELECTRIC MOTOR

Coppia max trasmissibile 70 Nm  
Max torque 70 Nm



CILINDRICO SAE  
SAE CYLINDRICAL

Coppia max trasmissibile 85 Nm  
Max torque 85 Nm



SCANALATO SAE 9 DENTI  
SAE SPLINED 9 TEETH

Coppia max trasmissibile 85 Nm  
Max torque 85 Nm

Nel caso di montaggio con flangia B80 C (cod B80) le sporgenze vanno ridotte di 2 mm (0.079 In.)  
When assembled with B80 C flange (B80 code) the shaft dimensions must be reduced by 0.079 In. (2 mm)

| STANDARD EUROPEO - EUROPEAN STANDARD |                |           |           |    |           |
|--------------------------------------|----------------|-----------|-----------|----|-----------|
| Grandezza<br>Size                    | Codice<br>Code | D         | F         | M  | e         |
| 04-08                                | <b>EE4</b>     | 30 (1.18) | 13 (0.51) | M6 | 13 (0.51) |
| 11-26                                | <b>EE5</b>     | 40 (1.58) | 19 (0.75) | M8 | 15 (0.59) |

| STANDARD EUROPEO PER MOTORI<br>EUROPEAN STANDARD FOR MOTORS |                |
|-------------------------------------------------------------|----------------|
| Grandezza<br>Size                                           | Codice<br>Code |
| 04-08                                                       | /              |
| 11-26                                                       | <b>EE6</b>     |

| UNIFICAZIONE TEDESCA - GERMAN UNIFICATION |                |           |           |
|-------------------------------------------|----------------|-----------|-----------|
| Grandezza<br>Size                         | Codice<br>Code | D         | F         |
| 04-08                                     | <b>TT4</b>     | 35 (1.38) | 15 (0.59) |
| 11-26                                     | <b>TT5</b>     | 40 (1.58) | 20 (0.79) |

| FILETTATURE BSPP - BSPP THREADS |                |           |
|---------------------------------|----------------|-----------|
| Grandezza<br>Size               | Codice<br>Code | BSPP      |
| 04-08                           | <b>GG4</b>     | 1/2" BSPP |
| 11-26                           | <b>GG5</b>     | 3/4" BSPP |

| FILETTATURE SAE - SAE THREADS |                |                |
|-------------------------------|----------------|----------------|
| Grandezza<br>Size             | Codice<br>Code | U              |
| 04-08                         | <b>UU4</b>     | 7/8"-14 UNF    |
| 11-26                         | <b>UU6</b>     | 1-1/16"-12 UNF |

ASPIRAZIONE lato riferimento  
SUCTION reference side

MANDATA  
DELIVERY

