

Input speed ( $n_1$ ) = 1400 min<sup>-1</sup>

| Output speed<br>$n_2$ [min <sup>-1</sup> ] | Ratio<br>$i$ | Motor power<br>$P_{1M}$ [kW] | Output torque<br>$M_{2M}$ [Nm] | Service factor<br>$f.s$ | Nominal power<br>$P_{1R}$ [kW] | Nominal torque<br>$M_{2R}$ [Nm] | B5 motor flanges |          |          |          | B14 motor flanges |          |          | Dynamic efficiency<br>RD | Tooth module<br>[mm] | Ratio code |    |
|--|--------------|------------------------------|--------------------------------|-------------------------|--------------------------------|---------------------------------|------------------|----------|----------|----------|-------------------|----------|----------|--------------------------|----------------------|------------|----|
|  |              |                              |                                |                         |                                |                                 | -B<br>63         | -C<br>71 | -D<br>80 | -E<br>90 | -Q<br>71          | -R<br>80 | -T<br>90 |                          |                      |            |    |
| 200  | 7            | 1.8                          | 71                             | 1.8                     | 3.2                            | 125                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 83                   | 3.1        | 01 |
| 140  | 10           | 1.8                          | 99                             | 1.4                     | 2.4                            | 134                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 81                   | 3.1        | 02 |
| 93   | 15           | 1.5                          | 121                            | 1.1                     | 1.7                            | 138                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 79                   | 3.1        | 03 |
| 74   | 19           | 1.1                          | 111                            | 1.2                     | 1.4                            | 138                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 78                   | 2.6        | 04 |
| 58   | 24           | 1.1                          | 135                            | 1.0                     | 1.2                            | 142                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 75                   | 2.0        | 05 |
| 47   | 30           | 1.1                          | 167                            | 0.9                     | 0.96                           | 146                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 74                   | 3.2        | 06 |
| 39   | 36           | 0.75                         | 125                            | 1.2                     | 0.88                           | 147                             |                  | B        | B        |          |                   | B-C      | B-C      |                          | 68                   | 2.7        | 07 |
| 35   | 40           | 0.75                         | 135                            | 1.0                     | 0.78                           | 140                             |                  | B        | B        | B        |                   | B-C      | B-C      |                          | 66                   | 2.5        | 13 |
| 31   | 45           | 0.55                         | 111                            | 1.2                     | 0.67                           | 135                             | B                | B        |          |          |                   | B-C      | C        |                          | 66                   | 2.1        | 08 |
| 23   | 60           | 0.55                         | 140                            | 0.9                     | 0.51                           | 130                             | B                | B        |          |          |                   | B-C      | C        |                          | 62                   | 1.6        | 12 |
| 21   | 67           | 0.55                         | 151                            | 0.8                     | 0.45                           | 124                             | B                | B        |          |          |                   | B-C      | C        |                          | 60                   | 1.5        | 09 |
| 17.5                                       | 80           | 0.37                         | 115                            | 1.0                     | 0.38                           | 119                             | B                | B        |          |          |                   | B-C      | C        |                          | 57                   | 1.3        | 10 |
| 14.9                                       | 94           | 0.37                         | 123                            | 1.0                     | 0.36                           | 119                             | B                | B        |          |          |                   | B-C      | C        |                          | 52                   | 1.1        | 11 |

**Motor flanges available**  
Flange motore disponibili



**B) Supplied with reduction bushing**  
Fornito con bussola di riduzione



**B) Available on request without reduction bushing**  
Disponibile a richiesta senza bussola di riduzione



**C) Motor flange holes position**  
Posizione fori flangia motore

## Lubrication

Lubrificazione

Unit D63 is supplied with synthetic oil to assure long life lubrication. Food grade oil is available on request.

See Table 1 for lubrication and recommended quantity.

See Table 2 for possible radial and axial loads on the gearbox.

*Il riduttore tipo D63 viene fornito con olio sintetico e lubrificazione tipo "long life". Disponibile a richiesta olio alimentare.*

*Vedi Tabella 1 per oli e quantità consigliati.*

*Vedi Tabella 2 per i carichi radiali e assiali applicabili al riduttore.*

| Oil quantity for all positions:<br>0.40 L    | Shell<br>Omala S4 WE 320 | Eni<br>Telium VSF 320 |
|--|--------------------------|-----------------------|
| Quantità olio per tutte le posizioni: 0.40 L |                          |                       |

Tab. 1

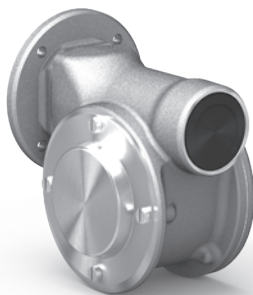
## Suggested

Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN630209



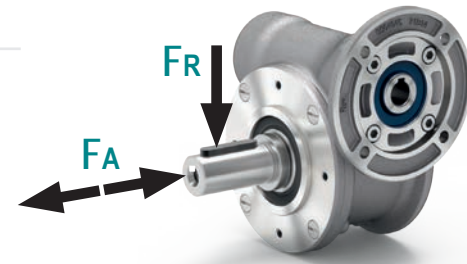
## Radial and axial loads

Carichi radiali e assiali

### Output shaft

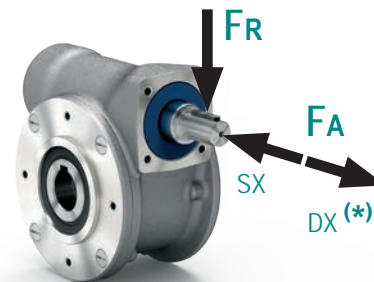
Albero di uscita

| $n_2$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200                        | 360    | 1800   |
| 150                        | 400    | 2000   |
| 100                        | 460    | 2300   |
| 75                         | 500    | 2500   |
| 50                         | 600    | 3000   |
| 25                         | 700    | 3800   |
| 15                         | 800    | 4000   |



### Input shaft

Albero in entrata



| $n_1$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 1400                       | 90     | 450    |

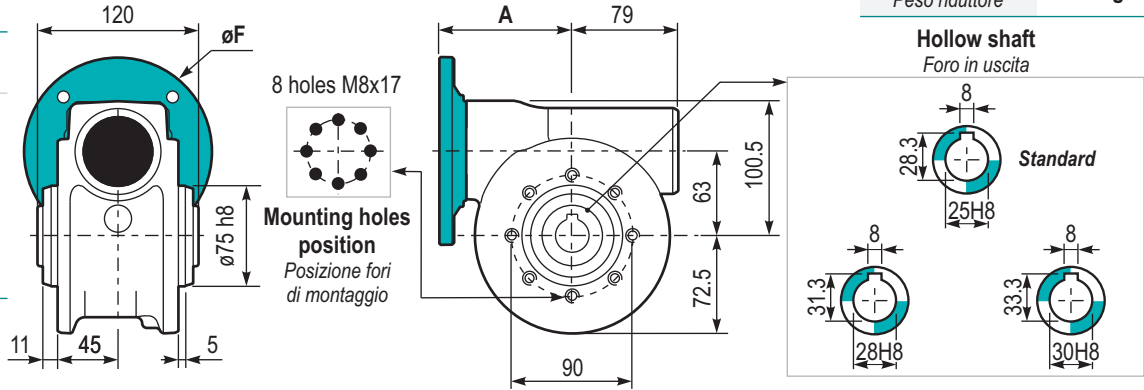
\* Strong axial loads in the DX direction are not allowed.

\* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

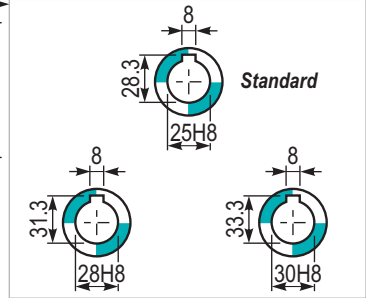
PD63 **UNI..** Basic gearbox  
Riduttore base

| M. flanges | Kit code | øF  | A    |
|------------|----------|-----|------|
| 63B5       | KD634041 | 140 | 99.5 |
| 71B5       | KD634042 | 160 | 97.5 |
| 80/90B5    | KD634043 | 200 | 99.5 |
| 71B14      | KD634047 | 105 | 97.5 |
| 80B14      | KD634046 | 120 | 99.5 |
| 90B14      | KD634041 | 140 | 99.5 |



Gearbox weight  
Peso riduttore 6.00 kg

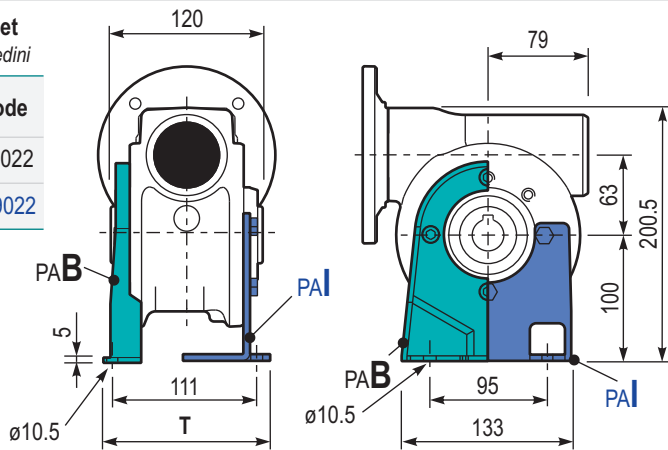
Hollow shaft  
Foro in uscita



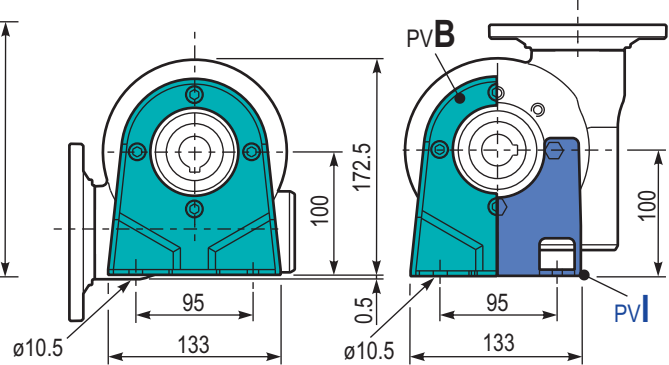
PD63 **PA...** Feet  
Piedini

| Type | T   | Kit code |
|------|-----|----------|
| B**  | 144 | K0639022 |
| I*   | 130 | KN639022 |

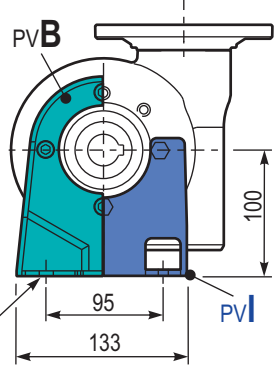
\*\* Zink plated  
\* Stainless steel



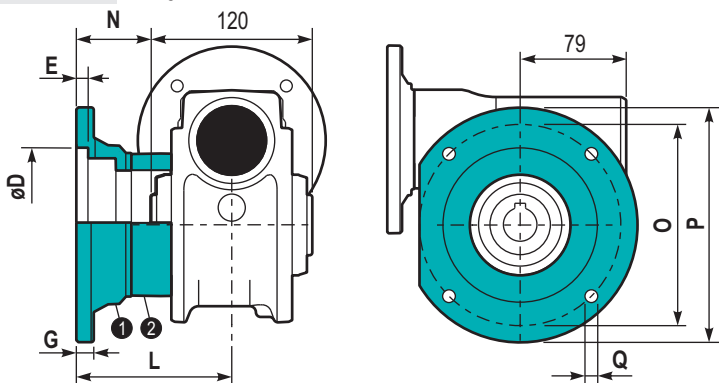
PD63 **PBB..** Feet  
Piedini



PD63 **PV...** Feet  
Piedini

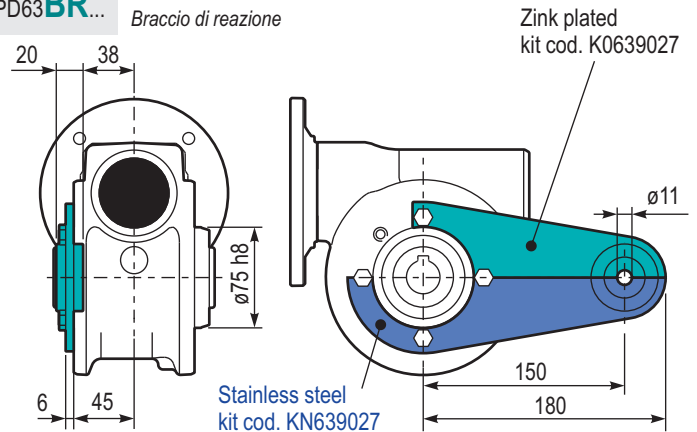


PD63 **FL..** Output flange  
Flangia uscita

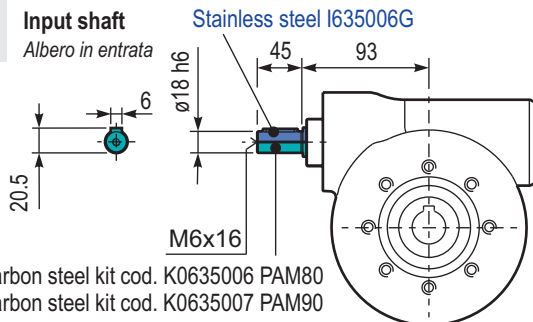


| Type | øD                                    | E | G  | L   | N  | O   | P   | Q  | Kit code                 |
|------|---------------------------------------|---|----|-----|----|-----|-----|----|--------------------------|
| C    | 115 <sup>+0.20</sup> <sub>-0.15</sub> | 7 | 13 | 86  | 26 | 150 | 175 | 11 | ① K0639010<br>② -        |
| L    | 115 <sup>+0.20</sup> <sub>-0.15</sub> | 7 | 13 | 116 | 56 | 150 | 175 | 11 | ① K0639010<br>② K0630200 |

PD63 **BR...** Reaction arm  
Braccio di reazione



**RD63UNI..** Input shaft  
Albero in entrata



PD63.. **SMF** Single output shaft  
Albero semplice in uscita

