

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

| Output speed               | Ratio       | Motor power   | Output torque | Service factor | Nominal power | Nominal torque | B5 motor flanges |    | B14 motor flanges |    | Dynamic efficiency | Tooth module | Ratio code |
|----------------------------|-------------|---------------|---------------|----------------|---------------|----------------|------------------|----|-------------------|----|--------------------|--------------|------------|
| $n_2$ [min <sup>-1</sup> ] | i           | $P_{1M}$ [kW] | $M_{2M}$ [Nm] | f.s            | $P_{1R}$ [kW] | $M_{2R}$ [Nm]  | -A               | -B | -O                | -P | RD                 | [mm]         |            |
| 9.3                        | <b>150</b>  | 0.06          | 29            | 1.2            | <b>0.07</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 48                 | 1.44         | 01         |
| 6.7                        | <b>210</b>  | 0.06          | 39            | 0.9            | <b>0.05</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 45                 | 1.44         | 02         |
| 4.7                        | <b>300</b>  | 0.06*         | 35            | <0.8           | <b>0.05</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 36                 | 1.44         | 03         |
| 3.1                        | <b>450</b>  | 0.06*         | 35            | <0.8           | <b>0.03</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 33                 | 1.44         | 04         |
| 2.3                        | <b>600</b>  | 0.06*         | 35            | <0.8           | <b>0.03</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 30                 | 1.44         | 05         |
| 1.6                        | <b>900</b>  | 0.06*         | 35            | <0.8           | <b>0.02</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 27                 | 1.44         | 06         |
| 1.2                        | <b>1200</b> | 0.06*         | 35            | <0.8           | <b>0.02</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 26                 | 1.44         | 07         |
| 0.8                        | <b>1830</b> | 0.06*         | 35            | <0.8           | <b>0.01</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 24                 | 1.44         | 08         |
| 0.6                        | <b>2400</b> | 0.06*         | 35            | <0.8           | <b>0.01</b>   | <b>35</b>      | <b>B</b>         |    | <b>B-C</b>        |    | 22                 | 1.44         | 09         |

\* Power higher than the maximum one which can be supported by the gearbox. Select according to the torque  $M_{2R}$

Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente  $M_{2R}$

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



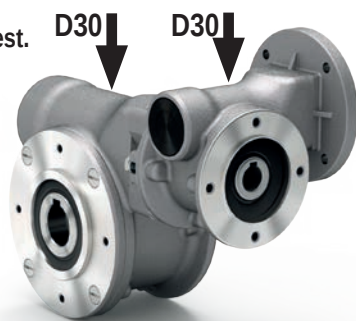
C) Motor flange holes position  
Posizione fori flangia motore

## Lubrication

Lubrificazione

Unit 3D3 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 3D3 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.



**D30:** 0.03 L

**Shell**  
Omala S4 WE 320

**Eni**  
Telium VSF 320

For all details on lubrication and plugs check our website.  
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

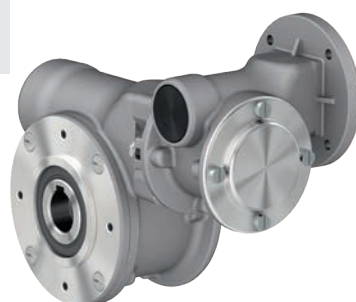
Tab. 1

## Suggested

Sugerito

Stainless steel protection cap  
(on request).

Coperchio di protezione in acciaio inox a richiesta.



Kit cod. KN300209

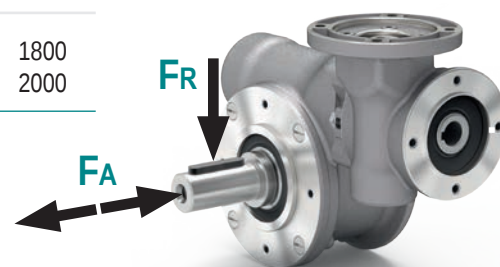
## Radial and axial loads

Carichi radiali e assiali

### Output shaft

Albero di uscita

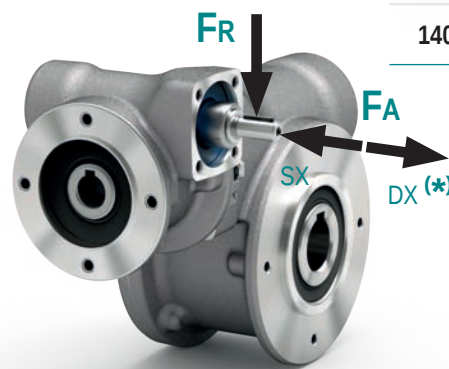
| $n_2$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 25                         | 300       | 1800      |
| 15                         | 400       | 2000      |



### Input shaft

Albero in entrata

| $n_1$ [min <sup>-1</sup> ] | $F_A$ [N] | $F_R$ [N] |
|----------------------------|-----------|-----------|
| 1400                       | 20        | 100       |



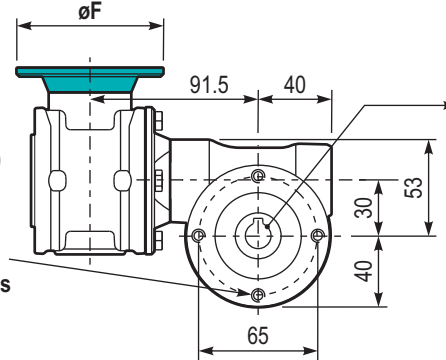
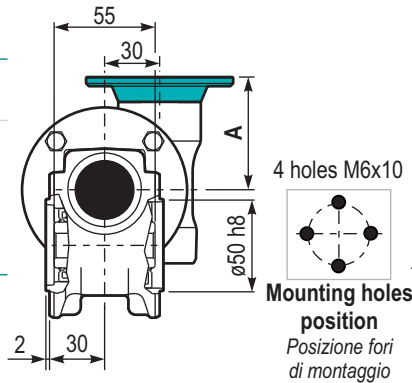
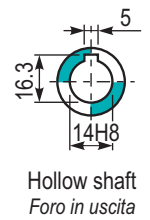
\* Strong axial loads in the DX direction are not allowed.

\* Non sono consentiti forti carichi assiali con direzione DX

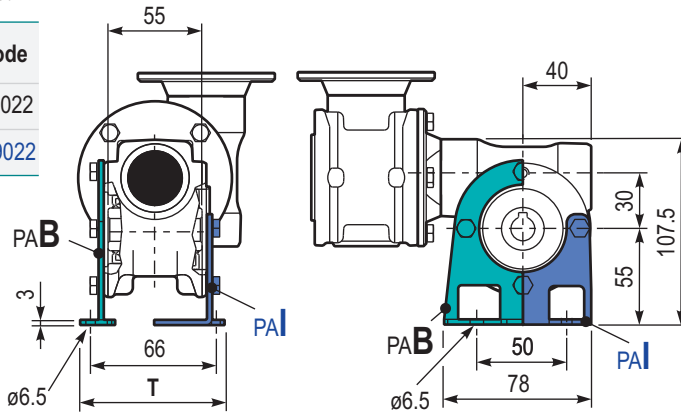
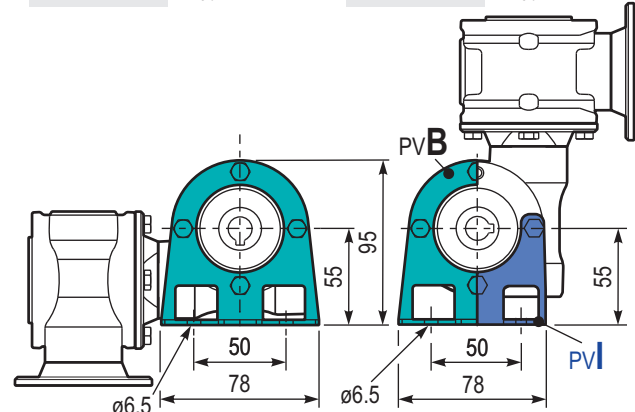
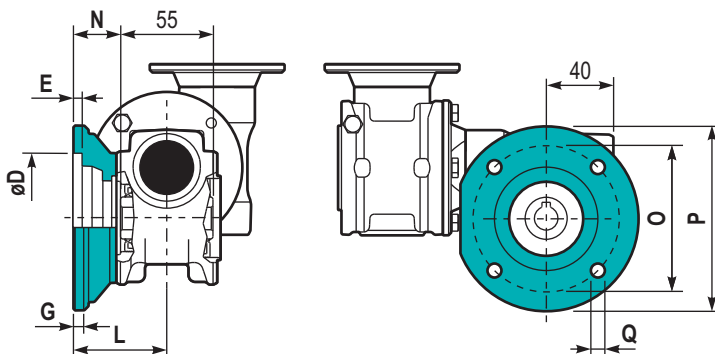
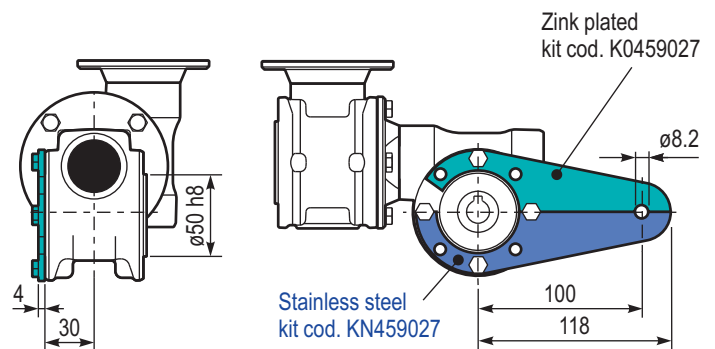
Tab. 2

P3D3 **UNI**..**Basic gearbox**  
*Riduttore base*

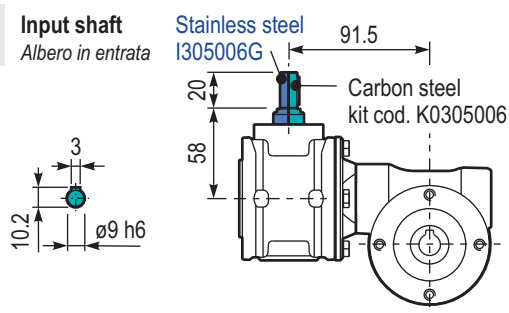
| M. flanges   | Kit code | øF  | A  |
|--------------|----------|-----|----|
| <b>56B5</b>  | KD304041 | 120 | 62 |
| <b>63B5</b>  | KD304042 | 140 | 63 |
| <b>56B14</b> | KD304046 | 80  | 62 |
| <b>63B14</b> | KD304045 | 90  | 63 |

**Gearbox weight**  
*Peso riduttore* **2.15 kg**P3D3 **PA**...**Feet**  
*Piedini*

| Type       | T  | Kit code |
|------------|----|----------|
| <b>B**</b> | 87 | K0309022 |
| <b>I*</b>  | 80 | KN309022 |

\*\* Zink plated  
\* Stainless steelP3D3 **PBB**..**Feet**  
*Piedini*P3D3 **PV**...**Feet**  
*Piedini*P3D3 **FL**..**Output flange**  
*Flangia uscita*P3D3 **BR**...**Reaction arm**  
*Braccio di reazione*

| Type     | øD                                   | E | G | L    | N  | O  | P   | Q   | Kit code |
|----------|--------------------------------------|---|---|------|----|----|-----|-----|----------|
| <b>C</b> | 50 <sup>+0.15</sup> <sub>+0.05</sub> | 6 | 6 | 50.5 | 23 | 68 | 80  | 7   | K0309010 |
| <b>L</b> | 60 <sup>+0.15</sup> <sub>+0.05</sub> | 6 | 6 | 55.5 | 28 | 87 | 110 | 8.5 | K0459010 |

**R**3D3UNI..**Input shaft**  
*Albero in entrata*P3D3 **SMA** **Single output shaft**  
*Albero semplice in uscita*kit cod. KN300209  
**Protection cap**  
**(on request)**  
*A richiesta coperchio di protezione*