

Technical Data Sheet  
Gearbox  
WORM GEARBOX ROUND DESIGN



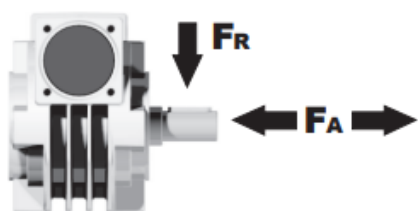
|                    |           |
|--------------------|-----------|
| MODEL              | 050       |
| Ø OUTPUT SHAFT     | 25 mm     |
| APPROXIMATE RATIO  | 15        |
| EXACT RATIO        | 14.00     |
| OUTPUT SPEED       | 97 RPM    |
| EXACT OUTPUT SPEED | 104 RPM   |
| INPUT POWER        | 0.75 KW   |
| INPUT ROTATION     | 1400 RPM  |
| INPUT PAM          | 80B5      |
| OUTPUT TORQUE      | 56.58 N.m |
| NOMINAL TORQUE     | 68.00 N.m |
| NOMINAL POWER      | 0.9 KW    |
| SERVICE FACTOR     | 1.20      |
| DYNAMIC EFFICIENCY | 0.79      |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.14  | 0.14  | 0.14  | 0.14  | 0.14  | 0.14  |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 240    | 1200   |
| 100           | 300    | 1500   |
| 50            | 380    | 1900   |
| 15            | 560    | 2800   |

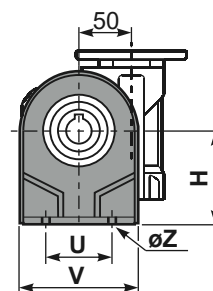
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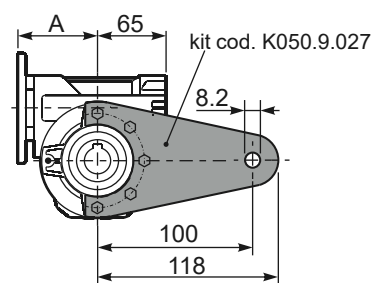
|                                         |                |
|-----------------------------------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | <b>3.00 kg</b> |
|-----------------------------------------|----------------|

**On request "type S"**  
A richiesta "tipo S"

Feet  
Piedini

|               | H  | R    | S   | T   | U  | V   | Y     | W   | øZ    | kit code    |
|---------------|----|------|-----|-----|----|-----|-------|-----|-------|-------------|
| type <b>B</b> | 82 | 98.5 | 3.5 | 123 | 63 | 113 | 138.5 | 163 | ø10.5 | K050.9.022  |
| type <b>S</b> | 85 | 96   | 10  | 114 | 85 | 110 | 139.5 | 166 | ø10   | KS050.9.023 |

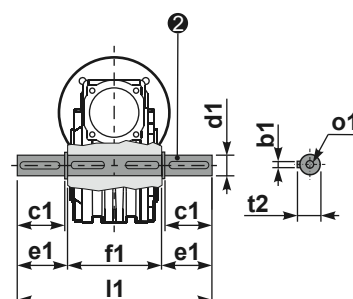
Reaction arm  
Braccio di reazione



| type B | øD                                    | E | G  | L     | N    | O   | P   | Q    | kit code                     |
|--------|---------------------------------------|---|----|-------|------|-----|-----|------|------------------------------|
| FC     | 70 <sup>+0.20</sup> <sub>+0.15</sub>  | 9 | 12 | 85    | 44.5 | 90  | 123 | 10.5 | ① K050.9.010<br>② -          |
| FL     | 70 <sup>+0.20</sup> <sub>+0.15</sub>  | 9 | 12 | 114.5 | 74   | 90  | 123 | 10.5 | ① K050.9.010<br>② K050.0.200 |
| type S | øD                                    | E | G  | L     | N    | O   | P   | Q    | kit code                     |
| F1     | 110 <sup>+0.20</sup> <sub>+0.15</sub> | 4 | 11 | 83.5  | 43   | 130 | 160 | 10   | ① KS050.9.012<br>② -         |
| F2     | 70 <sup>+0.20</sup> <sub>+0.15</sub>  | 9 | 12 | 76.5  | 36   | 90  | 123 | 10.5 | ① KS050.9.014<br>② -         |
| F3     | 95 <sup>+0.035</sup> <sub>0</sub>     | 4 | 10 | 66.5  | 26   | 115 | 140 | 10   | ① KS050.9.013<br>② -         |

|               | ød    | e  | g | l  | m    | x     | kit code                                                                    |
|---------------|-------|----|---|----|------|-------|-----------------------------------------------------------------------------|
| type <b>B</b> | 16 h6 | 18 | 5 | 30 | 74.5 | M6x16 | <div> <div>1</div> <div>2</div> </div> K050.5.006 PAM71<br>K050.5.007 PAM80 |
| type <b>S</b> | 14 h6 | 16 | 5 | 30 | 74.5 | M5x10 | <div> <div>1</div> <div>2</div> </div> K050.5.008 PAM71<br>K050.5.009 PAM80 |

Double Shaft  
Albero lento bisp.



- ① kit cod. K050.5.028 type **B**  
kit cod. KS050.5.030 type **S**

|               | <b>b1</b> | <b>c1</b> | <b>d1</b>              | <b>e1</b> | <b>f1</b> | <b>l1</b> | <b>m1</b> | <b>n1</b> | <b>t2</b> | <b>o1</b> |
|---------------|-----------|-----------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>type B</b> | 8         | 52        | $25^{+0.005}_{-0.020}$ | 59.5      | 81        | 200       | 86.5      | 146       | 28        | M8x20     |
| <b>type S</b> | 8         | 50        | $24^{+0.005}_{-0.020}$ | 68.8      | -         | -         | 86.5      | 155       | 27        | M8x20     |