

Technical Data Sheet  
Gearbox  
WORM GEARBOX ROUND DESIGN



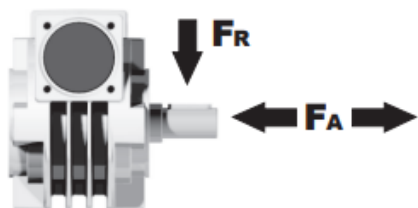
|                    |           |
|--------------------|-----------|
| MODEL              | 030       |
| Ø OUTPUT SHAFT     | 14 mm     |
| APPROXIMATE RATIO  | 15        |
| EXACT RATIO        | 15.00     |
| OUTPUT SPEED       | 97 RPM    |
| EXACT OUTPUT SPEED | 97 RPM    |
| INPUT POWER        | 0.12 KW   |
| INPUT ROTATION     | 1400 RPM  |
| INPUT PAM          | 63B14     |
| OUTPUT TORQUE      | 8.96 N.m  |
| NOMINAL TORQUE     | 19.00 N.m |
| NOMINAL POWER      | 0.25 KW   |
| SERVICE FACTOR     | 2.08      |
| DYNAMIC EFFICIENCY | 0.73      |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.03  | 0.03  | 0.03  | 0.03  | 0.03  | 0.03  |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 120    | 600    |
| 100           | 160    | 800    |
| 50            | 200    | 1000   |
| 15            | 280    | 1400   |

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|                                         |                |
|-----------------------------------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | <b>1.05 kg</b> |
|-----------------------------------------|----------------|

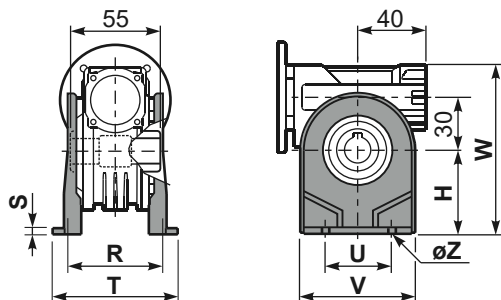
55 40 30 2 39 52 65

ØF

4 holes M6x10

Mounting holes position  
Posizione fori di montaggio

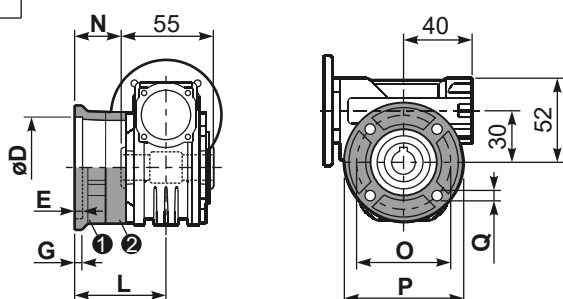
Standard  
Hollow shaft

Feet  
Piedini

Technical drawing of a mechanical part showing a cross-section. The drawing includes dimensions: 30 (width of the top flange), U (width of the base), V (width of the base), and ØZ (diameter of the central hole). The part has a semi-circular top and a central hole.

|        | H  | R  | S | T  | U  | V  | Y  | W   | øZ   | kit code    |
|--------|----|----|---|----|----|----|----|-----|------|-------------|
| type B | 55 | 66 | 3 | 87 | 50 | 78 | 94 | 107 | ø6.5 | K030.9.022  |
| type S | 52 | 66 | 3 | 87 | 52 | 90 | 91 | 104 | ø6.5 | KS030.9.023 |

Reaction arm  
Braccio di reazione



Technical drawing of the K045.9.027 kit, showing a side view and a top view.

**Side View Dimensions:**

- Top flange width: 40
- Body diameter: 8.2
- Mounting hole diameter: 4
- Body length: 100
- Total length: 118

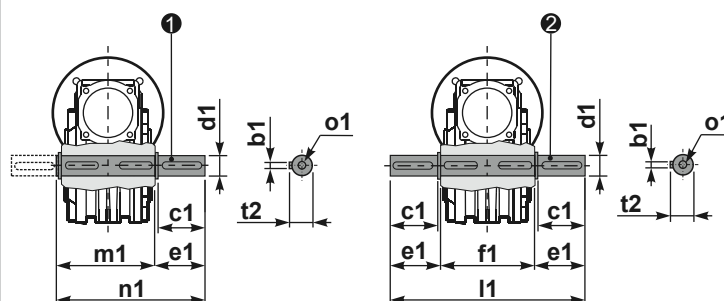
**Top View Dimensions:**

- Central hole diameter: 50
- Mounting flange height: h8

Kit cod. K045.9.027

| type B | øD                                   | E   | G   | L    | N    | O  | P   | Q   | kit code             |
|--------|--------------------------------------|-----|-----|------|------|----|-----|-----|----------------------|
| FC     | 50 <sup>+0.15</sup> <sub>+0.05</sub> | 6   | 6   | 50.5 | 23   | 68 | 80  | 7   | ① K030.9.010<br>② -  |
| FL     | 60 <sup>+0.15</sup> <sub>+0.05</sub> | 6   | 6   | 55.5 | 28   | 87 | 110 | 8.5 | ① K045.9.010<br>② -  |
| type S | øD                                   | E   | G   | L    | N    | O  | P   | Q   | kit code             |
| F1     | 40 <sup>+0.15</sup> <sub>+0.10</sub> | 3.5 | 5.5 | 49   | 21.5 | 56 | 80  | 6.5 | ① KS030.9.012<br>② - |

Double Shaft  
Albero lento bisp.



② kit cod. K030.5.029 type B

|               | ød   | e    | g | l  | m  | x | kit code         |
|---------------|------|------|---|----|----|---|------------------|
| type <b>B</b> | 9 h6 | 10.2 | 3 | 20 | 58 | - | K030.5.006 PAM63 |
| type <b>S</b> | -    | -    | - | -  | -  | - | -                |

[illegible]