

Technical Data Sheet  
Gearbox  
WORM GEARBOX ROUND DESIGN



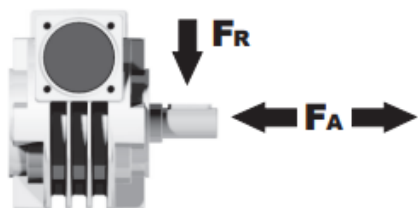
|                    |       |     |
|--------------------|-------|-----|
| MODEL              | 030   |     |
| Ø OUTPUT SHAFT     | 14    | mm  |
| APPROXIMATE RATIO  | 10    |     |
| EXACT RATIO        | 10.00 |     |
| OUTPUT SPEED       | 146   | RPM |
| EXACT OUTPUT SPEED | 146   | RPM |
| INPUT POWER        | 0.25  | KW  |
| INPUT ROTATION     | 1400  | RPM |
| INPUT PAM          | 63B14 |     |
| OUTPUT TORQUE      | 13.30 | N.m |
| NOMINAL TORQUE     | 17.00 | N.m |
| NOMINAL POWER      | 0.32  | KW  |
| SERVICE FACTOR     | 1.28  |     |
| DYNAMIC EFFICIENCY | 0.78  |     |



#### 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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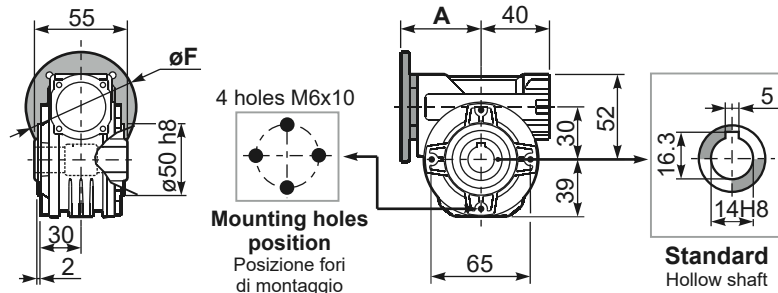
Universal Motors SL  
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28806 Alcala de Henares  
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## P030FB...

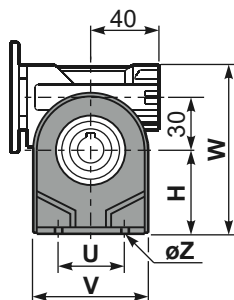
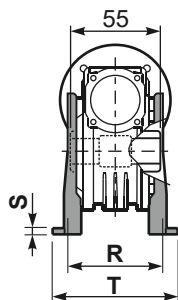
Basic wormbox  
Riduttore baseGearbox  
weight  
peso riduttore

1.05 kg

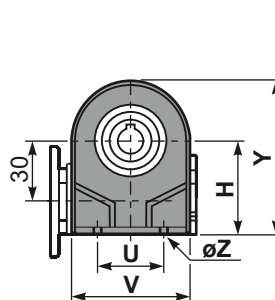
| M. flanges | Kit code   | øF  | A    |
|------------|------------|-----|------|
| 56B5       | K030.4.041 | 120 | 61.5 |
| 63B5       | K030.4.042 | 140 | 62.5 |
| 56B14      | K030.4.046 | 80  | 61.5 |
| 63B14      | K030.4.045 | 90  | 62.5 |



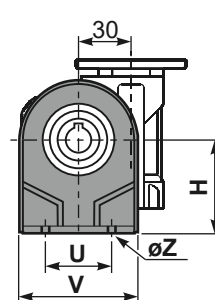
## P030PA...

Feet  
Piedini

## P030PB...

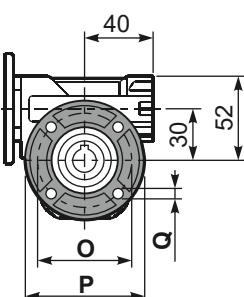
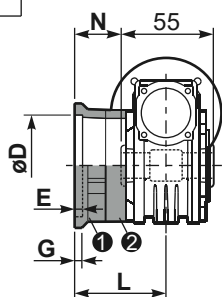
Feet  
Piedini

## P030PV...

Feet  
Piedini

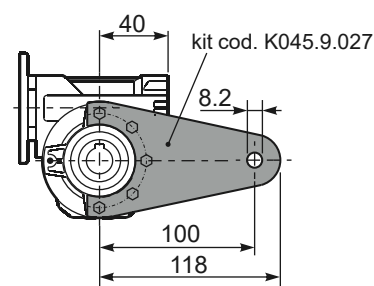
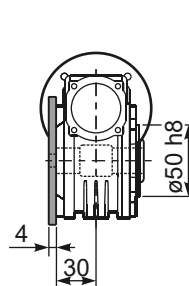
|        | H  | R  | S | T  | U  | V  | Y  | W   | øZ   | kit code    |
|--------|----|----|---|----|----|----|----|-----|------|-------------|
| type B | 55 | 66 | 3 | 87 | 50 | 78 | 94 | 107 | ø6.5 | K030.9.022  |
| type S | 52 | 66 | 3 | 87 | 52 | 90 | 91 | 104 | ø6.5 | KS030.9.023 |

## P030FC...

Output flange  
Flangia uscita

| 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 - |

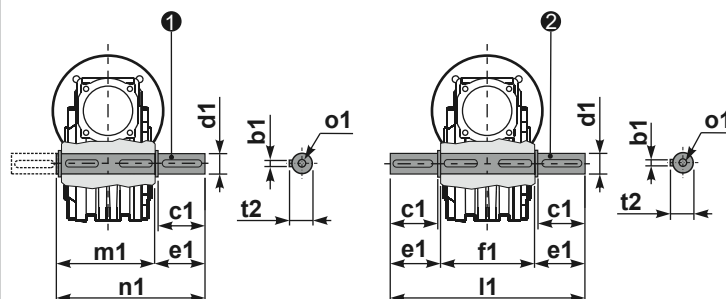
## P030BR...

Reaction arm  
Braccio di reazione

## P030.....S...

Single Shaft  
Albero lento semplice

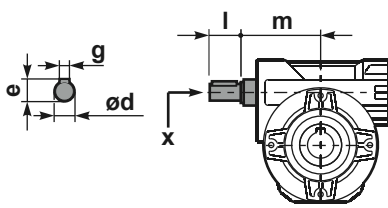
## P030.....D...

Double Shaft  
Albero lento bisp.

1 kit cod. K030.5.028 type B

2 kit cod. K030.5.029 type B

## R030FB...

Input shaft  
Albero in entrata

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

|        | b1 | c1 | d1                                     | e1   | f1 | l1  | m1 | n1   | t2 | o1    |
|--------|----|----|----------------------------------------|------|----|-----|----|------|----|-------|
| type B | 5  | 25 | 14 <sup>-0.005</sup> <sub>-0.020</sub> | 35.5 | 55 | 126 | 59 | 94.5 | 16 | M5x14 |
| type S | -  | -  | -                                      | -    | -  | -   | -  | -    | -  | -     |