

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	0.18 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	9.58 N.m
NOMINAL TORQUE	17.00 N.m
NOMINAL POWER	0.32 KW
SERVICE FACTOR	1.78
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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Gearbox weight peso riduttore	1.05 kg
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55 40 30 2 52 39 65

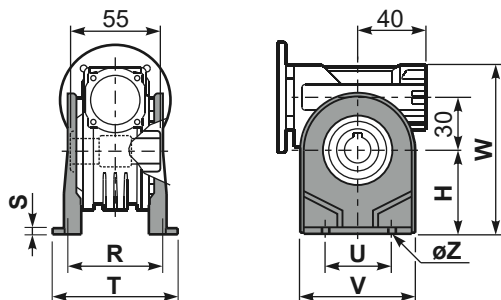
ØF

4 holes M6x10

Mounting holes position
Posizione fori di montaggio

5 16.3 14 H8

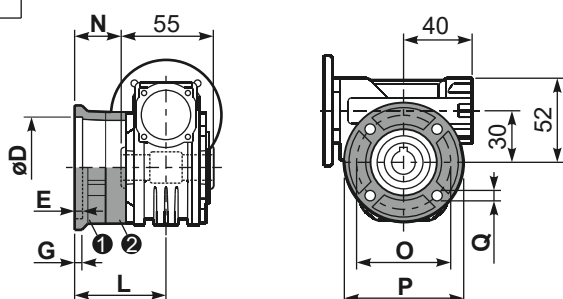
Standard
Hollow shaft

Feet
Piedini

Technical drawing of a mechanical part showing front and side views. The front view (left) features a semi-circular top with concentric circles, a central vertical dashed line, and two trapezoidal cutouts at the base. Dimensions include a top width of 30, a base width of U, and a total base width of V. The side view (right) shows a profile with a horizontal top edge and a vertical section labeled H. A dimension ØZ indicates the diameter of a feature at the base of the side view.

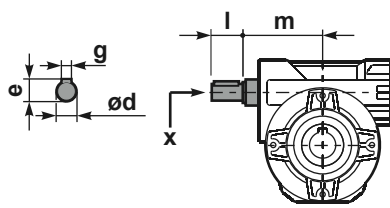
	H	R	S	T	U	V	Y	W	øZ	kit code
type B	55	66	3	87	50	78	94	107	ø6.5	K030.9.022
type S	52	66	3	87	52	90	91	104	ø6.5	KS030.9.023

Reaction arm
Braccio di reazione



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

Double Shaft
Albero lento bisp.



Technical drawings of two types of ball joints, labeled 1 and 2. Each drawing includes a front view and a side view.

Front View Dimensions:

- Joint 1:**
 - $d1$: Outer diameter of the upper housing.
 - $c1$: Distance from the center of the ball to the inner edge of the housing.
 - $m1$: Distance from the center of the ball to the center of the lower housing.
 - $e1$: Distance from the center of the ball to the outer edge of the lower housing.
 - $n1$: Total width of the lower housing.
- Joint 2:**
 - $d1$: Outer diameter of the upper housing.
 - $c1$: Distance from the center of the ball to the inner edge of the housing.
 - $e1$: Distance from the center of the ball to the outer edge of the lower housing.
 - $f1$: Distance from the center of the ball to the center of the lower housing.
 - $l1$: Total width of the lower housing.

Side View Dimensions:

- Joint 1:**
 - $b1$: Distance from the center of the ball to the center of the lower housing.
 - $t2$: Distance from the center of the ball to the center of the lower housing.
 - $o1$: Distance from the center of the ball to the center of the lower housing.
- Joint 2:**
 - $b1$: Distance from the center of the ball to the center of the lower housing.
 - $t2$: Distance from the center of the ball to the center of the lower housing.
 - $o1$: Distance from the center of the ball to the center of the lower housing.

② kit cod. K030.5.029 type B

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

[illegible]