

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



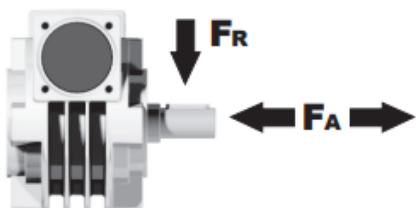
MODEL	030
Ø OUTPUT SHAFT	14 mm
APPROXIMATE RATIO	7
EXACT RATIO	7.00
OUTPUT SPEED	209 RPM
EXACT OUTPUT SPEED	209 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B14
OUTPUT TORQUE	4.58 N.m
NOMINAL TORQUE	17.00 N.m
NOMINAL POWER	0.44 KW
SERVICE FACTOR	3.67
DYNAMIC EFFICIENCY	0.80



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

Universal Motors S.A.
Rua Comendador Brandão, 484
4495-375 Póvoa de Varzim
geral@universalmotors.pt
TEL.: 252 299 080

Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
enquiries@universalmotors-group.co.uk
TEL.: +44(0) 1484660222

Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

Gearbox weight peso riduttore	1.05 kg
---	----------------

55 40 30 2 52 39 65

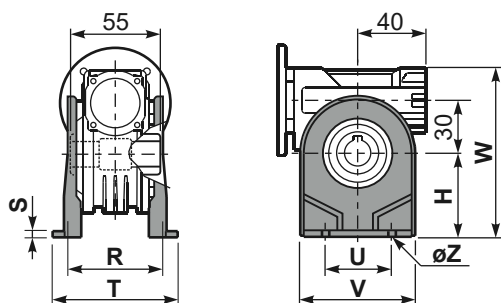
ØF

4 holes M6x10

Mounting holes position
Posizione fori di montaggio

5 16.3 14 H8

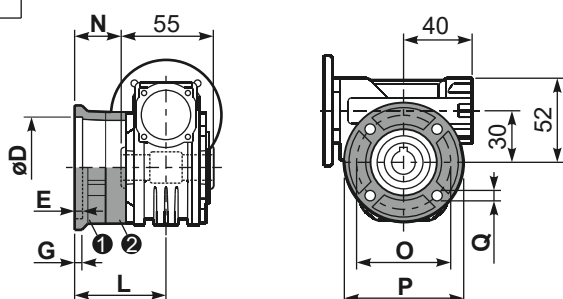
Standard
Hollow shaft

Feet
Piedini

Technical drawing of a mechanical part, showing a cross-section with dimensions: 30, U, V, and $\varnothing Z$.

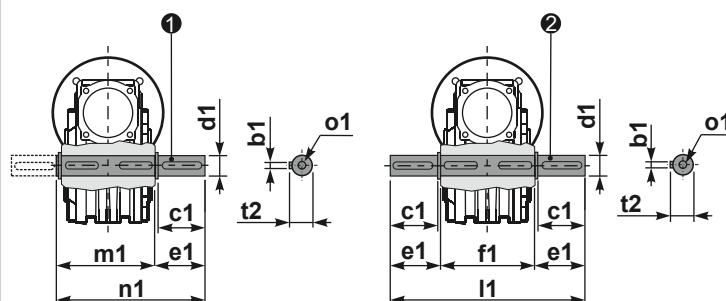
	H	R	S	T	U	V	Y	W	øZ	kit code
type B	55	66	3	87	50	78	94	107	ø6.5	K030.9.022
type S	52	66	3	87	52	90	91	104	ø6.5	KS030.9.023

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.



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]