

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



MODEL	030
Ø OUTPUT SHAFT	14 mm
APPROXIMATE RATIO	30
EXACT RATIO	30.00
OUTPUT SPEED	49 RPM
EXACT OUTPUT SPEED	49 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	15.22 N.m
NOMINAL TORQUE	21.00 N.m
NOMINAL POWER	0.17 KW
SERVICE FACTOR	1.42
DYNAMIC EFFICIENCY	0.62



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

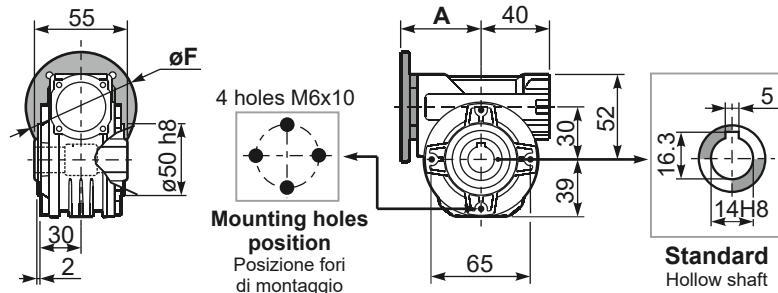
Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

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



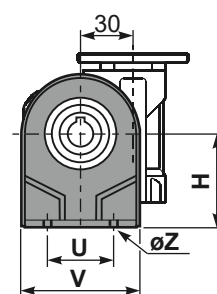
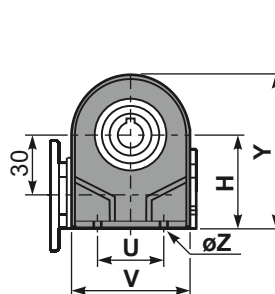
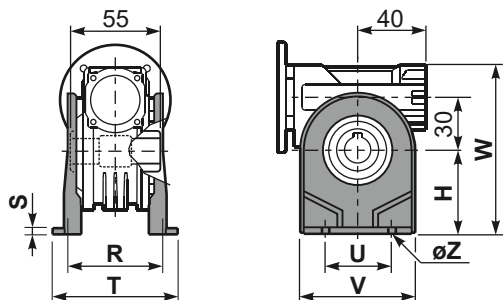
P030PA...

Feet
Piedini

P030PB...

Feet
Piedini

P030PV...

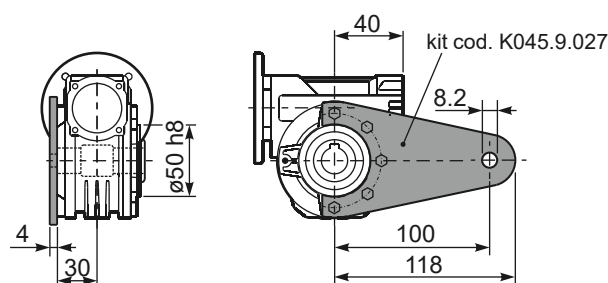
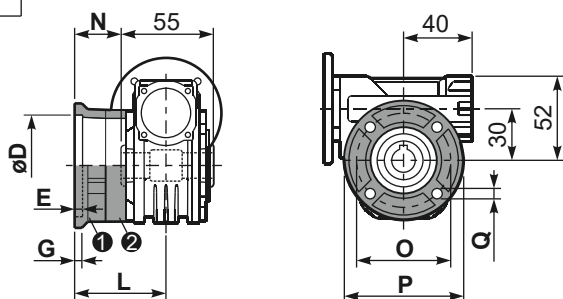
Feet
Piedini

	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

P030BR...

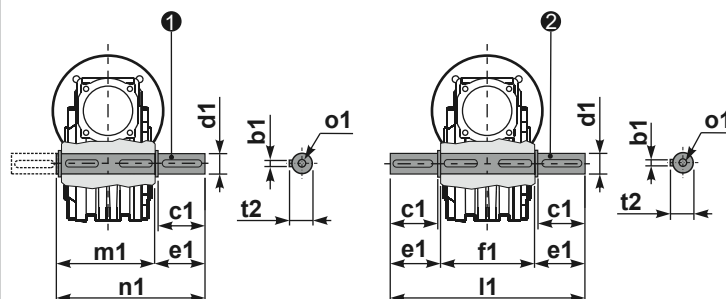
Reaction arm
Braccio di reazione

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 -

P030.....S...

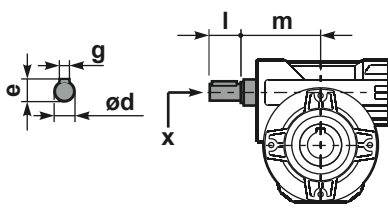
Single Shaft
Albero lento semplice

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 ^{-0.005} _{-0.020}	35.5	55	126	59	94.5	16	M5x14
type S	-	-	-	-	-	-	-	-	-	-