

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



MODEL	045
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	60
EXACT RATIO	60.00
OUTPUT SPEED	24 RPM
EXACT OUTPUT SPEED	24 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B14
OUTPUT TORQUE	27.50 N.m
NOMINAL TORQUE	41.00 N.m
NOMINAL POWER	0.18 KW
SERVICE FACTOR	1.50
DYNAMIC EFFICIENCY	0.56



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.09	0.09	0.09	0.09	0.09	0.09

Radial and Axial Loads



n_2 [min-1]	FA [N]	FR [N]
200	180	900
100	220	1100
50	260	1400
15	400	2000

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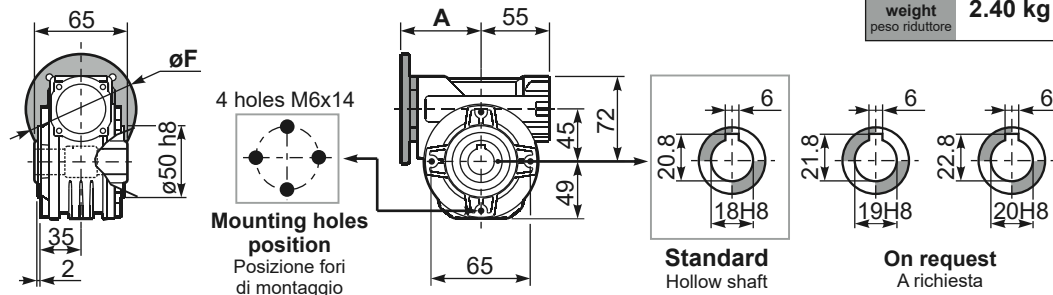
Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

P045FB...

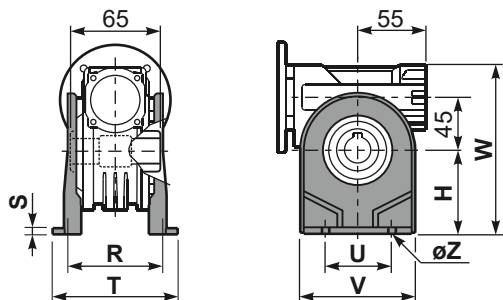
Basic wormbox
Riduttore baseGearbox
weight
peso riduttore

2.40 kg

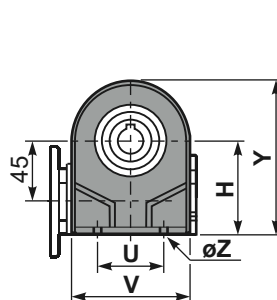
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	74
71B5	K050.4.042	160	71.5
56B14	KC40.4.049	80	71.5
63B14	K050.4.047	90	74
71B14	K050.4.045	105	71.5

Standard
Hollow shaftOn request
A richiesta

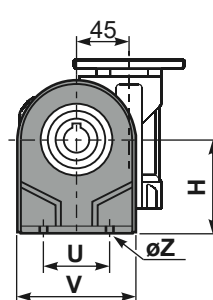
P045PA...

Feet
Piedini

P045PB...

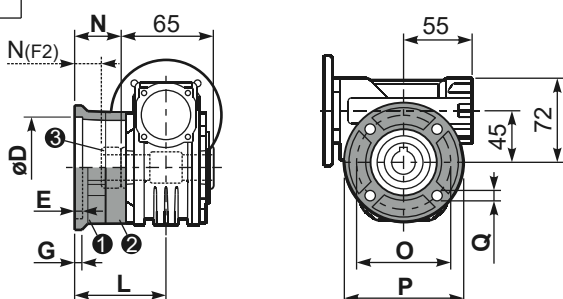
Feet
Piedini

P045PV...

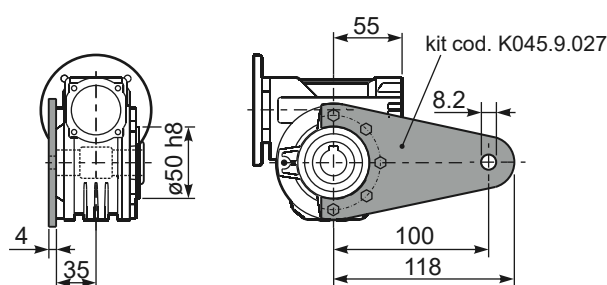
Feet
Piedini

	H	R	S	T	U	V	Y	W	øZ	kit code
type B	72	81	3	100	52	98	121	144	ø10.5	K045.9.022
type S	71	84	8	100	70	90	120	143	ø8	KS045.9.023

P045FC...

Output flange
Flangia uscita

P045BR...

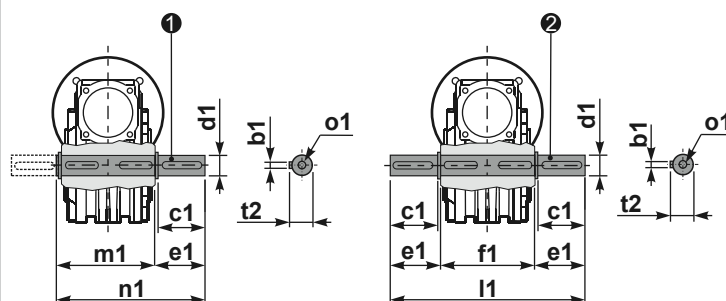
Reaction arm
Braccio di reazione

type B	øD	E	G	L	N	O	P	Q	kit code
FC	60 ^{+0.15} _{+0.05}	9	9	60.5	28	87	110	8.5	1 K045.9.010 2 -
FL	60 ^{+0.15} _{+0.05}	9	9	90.5	58	87	110	8.5	1 K045.9.010 2 K045.0.200
type S	øD	E	G	L	N	O	P	Q	kit code
F1	95 ^{+0.20} _{+0.15}	4	11	73.5	41	115	140	9	1 KS045.9.013 2 -
F2	60 ^{+0.15} _{+0.05}	9	9	60.5	19	87	110	8.5	1 KS045.9.010 2 S045.0.204
F3	80 ^{+0.15} _{+0.10}	3	8	51.5	19	100	120	9	1 KS045.9.014 2 -

P045.....S...

Single Shaft
Albero lento semplice

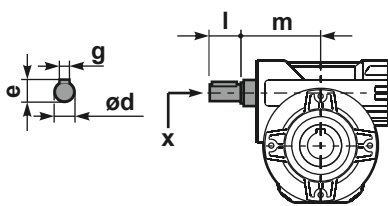
P045.....D...

Double Shaft
Albero lento bisp.

1 kit cod. K045.5.028 type B
kit cod. KS045.5.030 type S

2 kit cod. K045.5.029 type B

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Input shaft
Albero in entrata

	ød	e	g	l	m	x	kit code
type B	11 h6	12.5	4	30	68	-	1 K045.5.006 PAM71 2 -
type S	-	-	-	-	-	-	1 - 2 -

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
type B	6	32	18 ^{-0.005} _{-0.020}	43	65	151	70	113	20.5	M6x18
type S	6	40	19 ^{-0.005} _{-0.020}	58.8	-	-	70	128.5	21.5	M8x20