

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



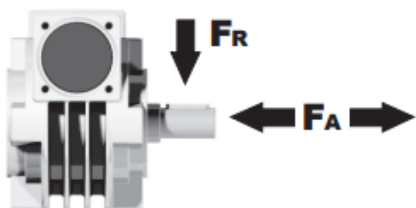
MODEL	045
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	15
EXACT RATIO	14.00
OUTPUT SPEED	97 RPM
EXACT OUTPUT SPEED	104 RPM
INPUT POWER	0.18 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B14
OUTPUT TORQUE	13.24 N.m
NOMINAL TORQUE	30.00 N.m
NOMINAL POWER	0.41 KW
SERVICE FACTOR	2.28
DYNAMIC EFFICIENCY	0.77



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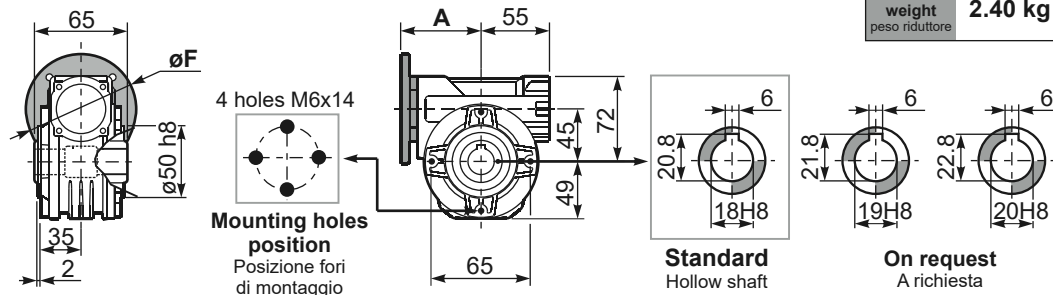
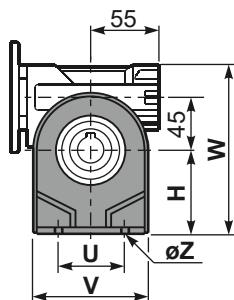
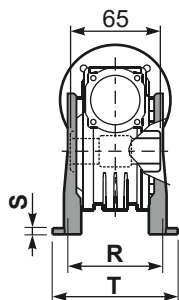
Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

P045FB..

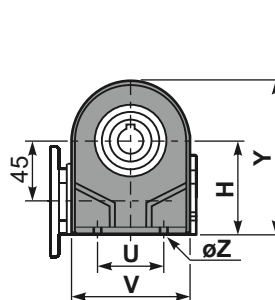
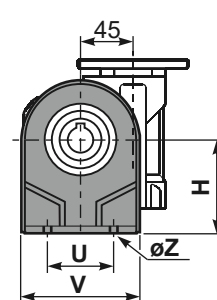
Basic wormbox
Riduttore base

Gearbox weight peso riduttore	2.40 kg
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M. flanges	Kit code	ϕF	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

P045**PA...**Feet
Piedini

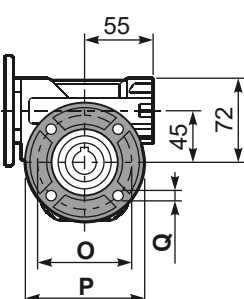
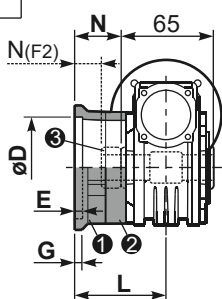
P045**PB**..

Feet
PiediniP045**PV**...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

P045**FC**..

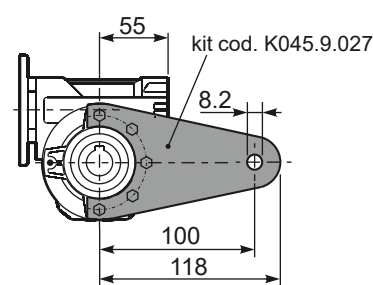
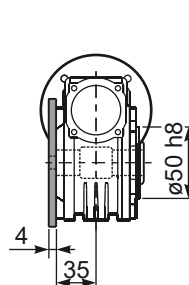
Output flange
Flangia uscita



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 ③ S045.0.204
F3	80 ^{+0.15} _{+0.10}	3	8	51.5	19	100	120	9	① KS045.9.014 ② -

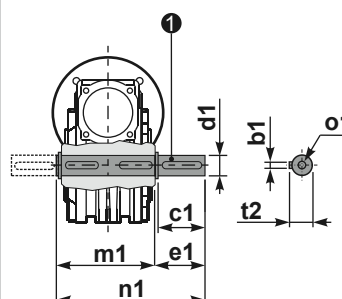
P045BR..

Reaction arm
Braccio di reazione



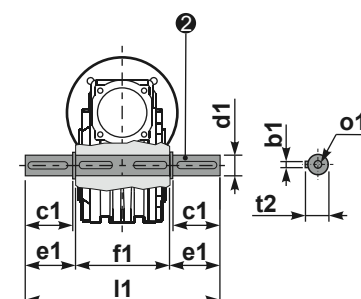
P045.....S...

Single Shaft
Albero lento semplice



P045.....D...

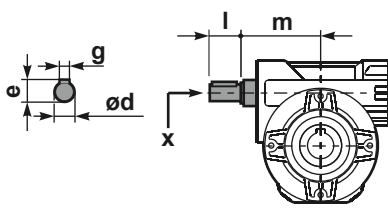
Double Shaft
• Albero lento bisp.



❶ kit cod. K045.5.028 type **B**
kit cod. KS045.5.030 type **S**

R045FB...

Input shaft
Albero in entrata



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