

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



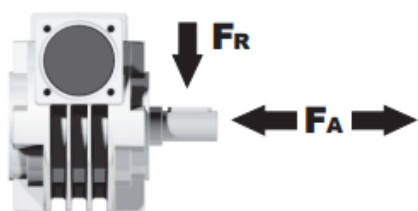
MODEL	045
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	70
EXACT RATIO	70.00
OUTPUT SPEED	21 RPM
EXACT OUTPUT SPEED	21 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	30.94 N.m
NOMINAL TORQUE	30.00 N.m
NOMINAL POWER	0.12 KW
SERVICE FACTOR	1.00
DYNAMIC EFFICIENCY	0.54



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

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

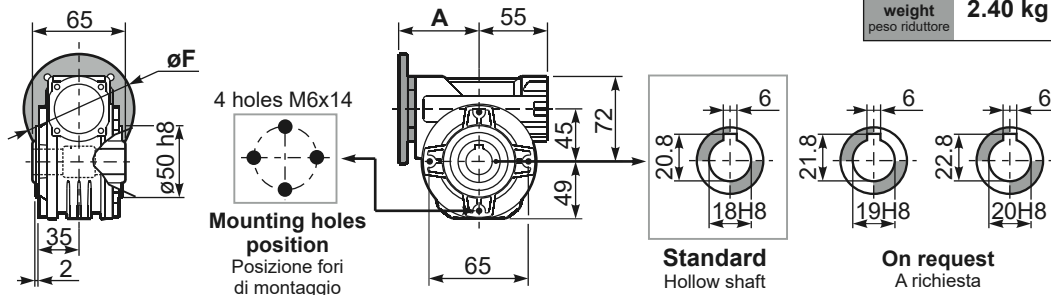
Universal Motors UK, Ltd
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Universal Motors SL
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P045FB...

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



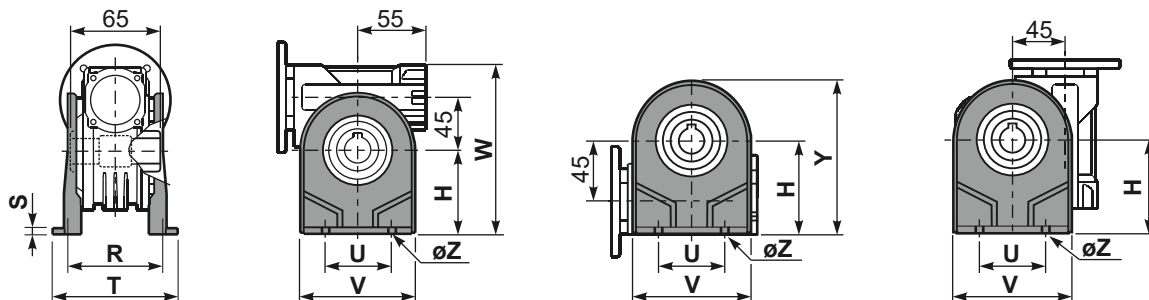
P045PA...

Feet
Piedini

P045PB...

Feet
Piedini

P045PV...

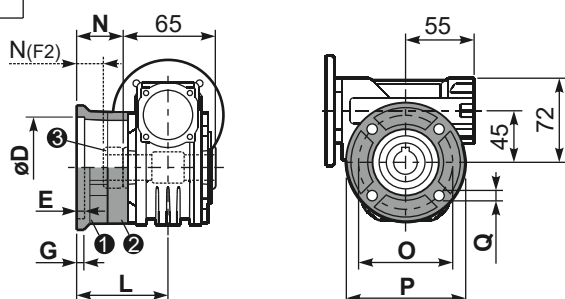
Feet
Piedini

	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...

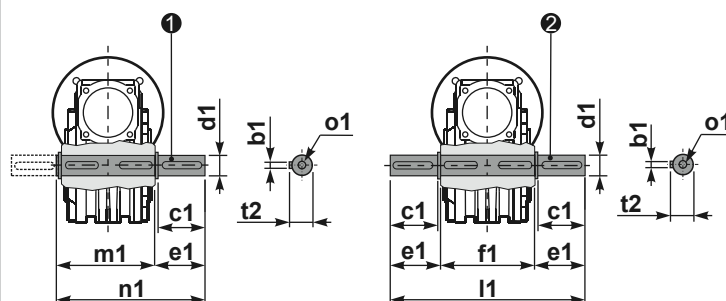
Reaction arm
Braccio di reazione

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...

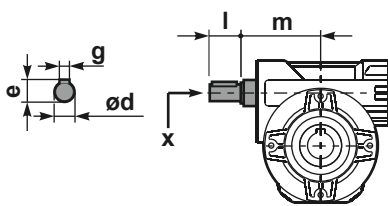
Single Shaft
Albero lento semplice

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

R045FB...

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