

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	M45
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	45
EXACT RATIO	46.00
OUTPUT SPEED	32 RPM
EXACT OUTPUT SPEED	32 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	22.21 N.m
NOMINAL TORQUE	41.00 N.m
NOMINAL POWER	0.22 KW
SERVICE FACTOR	1.83
DYNAMIC EFFICIENCY	0.59



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

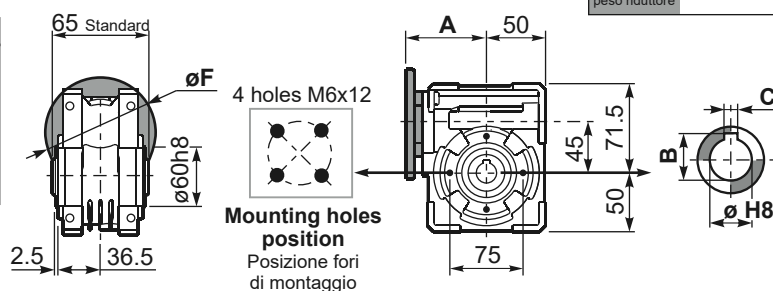
Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
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Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
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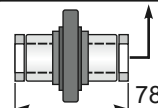
PM45FB...

Basic wormbox
Riduttore baseGearbox weight
peso riduttore **2.30 kg**

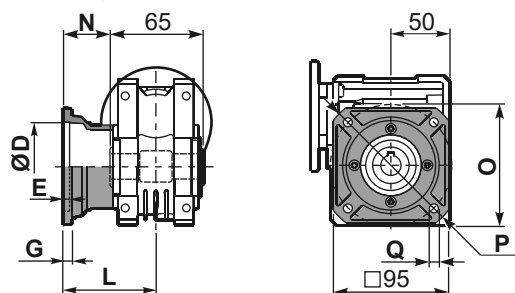
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	80
71B5	K050.4.042	160	77.5
56B14	KC40.4.049	80	77.5
63B14	K050.4.047	90	80
71B14	K050.4.045	105	77.5



ø H8	B	C	*Spacer code
18 Standard	20.8	6	KM45.3.018
19 on request	21.8	6	KM45.3.019
20 on request	22.8	6	KM45.3.020

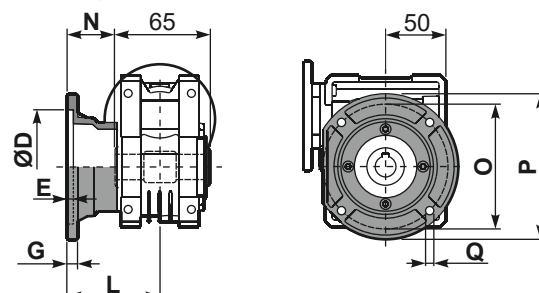
*On Request
output shaft with spacers

PM45FC...

Square flange
Flangia quadrata

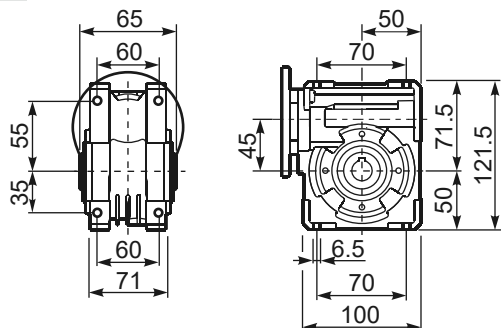
type B	øD	E	G	L	N	O	P	Q	kit code
FC	60 H8	4	7	67	34.5	75	110	9	KM45.9.010
FL	60 H8	4	7	97	64.5	75	110	9	KM45.9.011

PM45F1...

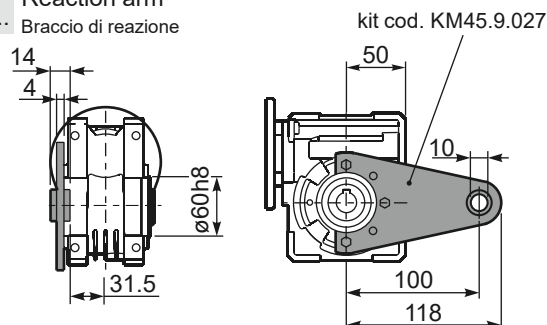
Round flange
Flangia rotonda

type S	øD	E	G	L	N	O	P	Q	kit code
F1	95H8	5	9	80	47.5	115	140	9.5	KM45.9.012
F2	-	-	-	-	-	-	-	-	-

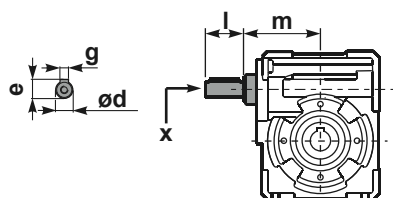
PM45FB...

Feet
Piedini

PM45BR...

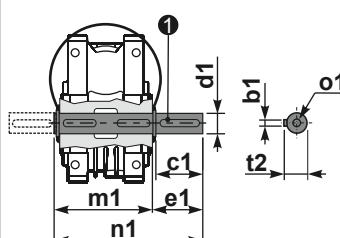
Reaction arm
Braccio di reazione

RM45FB...

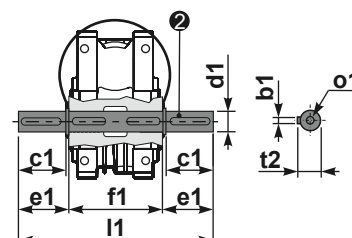
Input shaft
Albero in entrata

	ød	e	g	l	m	x	kit code
type B	11 h6	12.5	4	30	74	-	① K045.5.006 PAM71
type S	-	-	-	-	-	-	② -

PM45.....S...

Single Shaft
Albero lento semplice① kit cod. K045.5.028 type B
kit cod. KS045.5.030 type S

PM45.....D...

Double Shaft
Albero lento bisp.

	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}	58.5	-	-	70	128.5	21.5	M8x20