

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	M45
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	20
EXACT RATIO	21.00
OUTPUT SPEED	73 RPM
EXACT OUTPUT SPEED	70 RPM
INPUT POWER	0.18 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	17.27 N.m
NOMINAL TORQUE	41.00 N.m
NOMINAL POWER	0.43 KW
SERVICE FACTOR	2.39
DYNAMIC EFFICIENCY	0.67



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

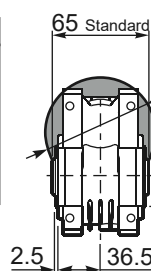
Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
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TEL.: +44(0) 1484660222

Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
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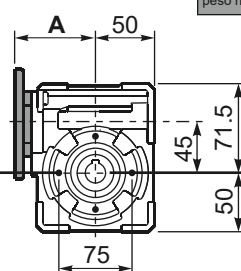
PM45FB...

Basic wormbox
Riduttore base

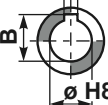
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	80
71B5	K050.4.042	160	77.5
56B14	KC40.4.049	80	77.5
63B14	K050.4.047	90	80
71B14	K050.4.045	105	77.5



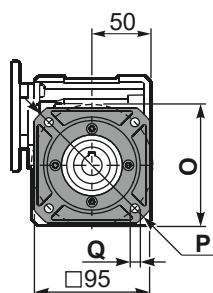
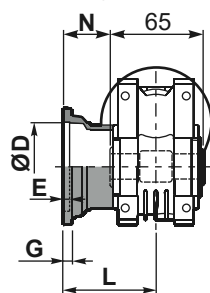
4 holes M6x12
Mounting holes position
Posizione fori di montaggio

Gearbox weight
peso riduttore 2.30 kg

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

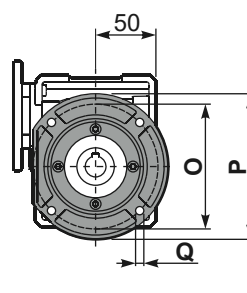
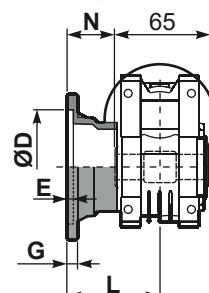
*On Request
output shaft with spacers

PM45FC...

Square flange
Flangia quadrata

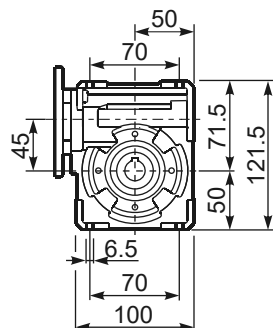
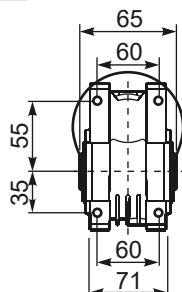
type B	øD	E	G	L	N	O	P	Q	kit code
FC	60 H8	4	7	67	34.5	75	110	9	KM45.9.010
FL	60 H8	4	7	97	64.5	75	110	9	KM45.9.011

PM45F1...

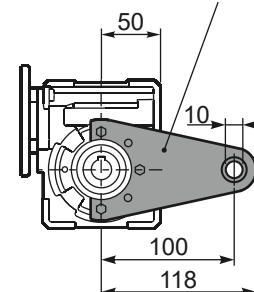
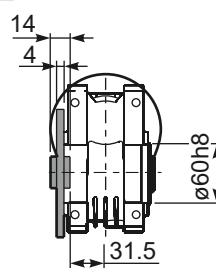
Round flange
Flangia rotonda

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...

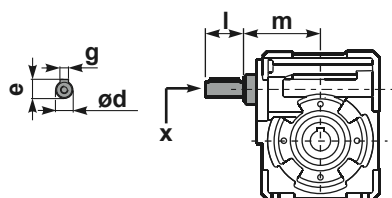
Feet
Piedini

PM45BR...

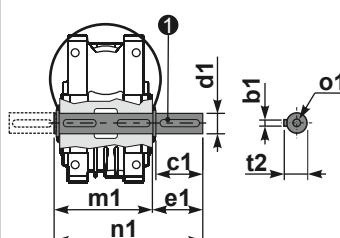
Reaction arm
Braccio di reazione

kit cod. KM45.9.027

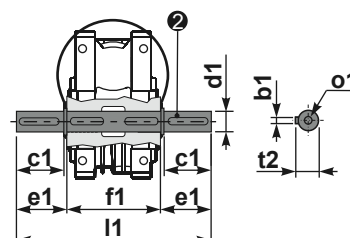
RM45FB...

Input shaft
Albero in entrata

PM45.....S...

Single Shaft
Albero lento semplice

PM45.....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

	ød	e	g	l	m	x	kit code
type B	11 h6	12.5	4	30	74	-	① K045.5.006 PAM71 ② -
type S	-	-	-	-	-	-	③ - ④ -

	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