

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	M45
Ø OUTPUT SHAFT	18 mm
APPROXIMATE RATIO	10
EXACT RATIO	10.00
OUTPUT SPEED	146 RPM
EXACT OUTPUT SPEED	146 RPM
INPUT POWER	0.37 KW
INPUT ROTATION	1400 RPM
INPUT PAM	71B5
OUTPUT TORQUE	19.94 N.m
NOMINAL TORQUE	30.00 N.m
NOMINAL POWER	0.57 KW
SERVICE FACTOR	1.54
DYNAMIC EFFICIENCY	0.79



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
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TEL.: 252 299 080

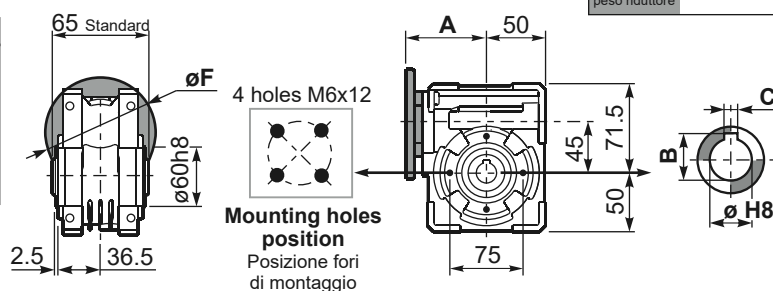
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West Yorkshire HD9 4AR
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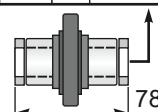
PM45FB...

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

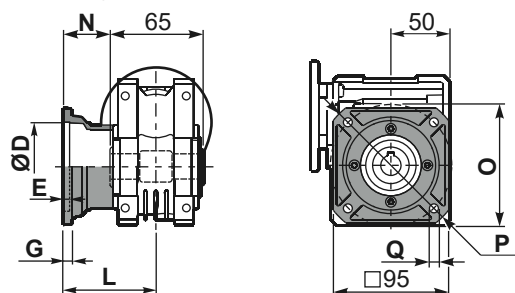
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	80
71B5	K050.4.042	160	77.5
56B14	KC40.4.049	80	77.5
63B14	K050.4.047	90	80
71B14	K050.4.045	105	77.5



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

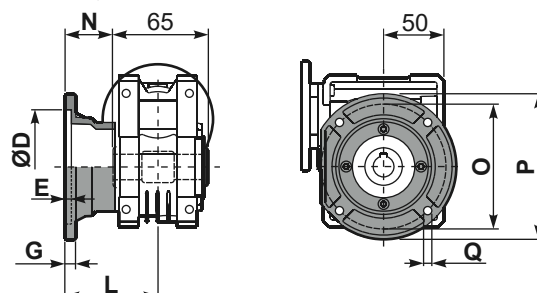
*On Request
output shaft with spacers

PM45FC...

Square flange
Flangia quadrata

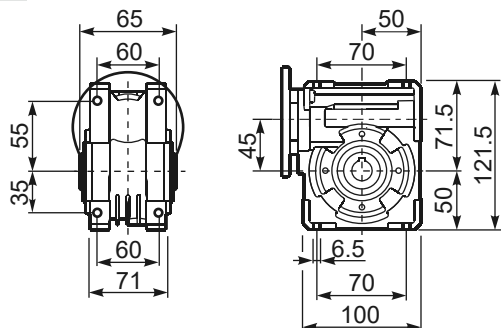
type B	øD	E	G	L	N	O	P	Q	kit code
FC	60 H8	4	7	67	34.5	75	110	9	KM45.9.010
FL	60 H8	4	7	97	64.5	75	110	9	KM45.9.011

PM45F1...

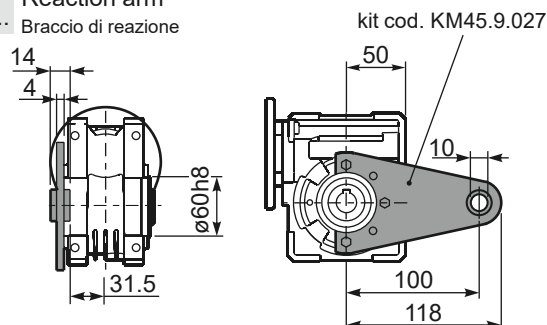
Round flange
Flangia rotonda

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	-	-	-	-	-	-	-	-	-

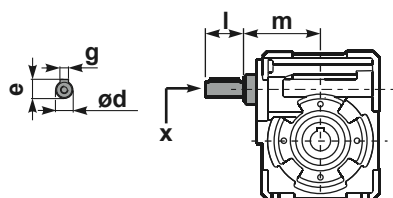
PM45FB...

Feet
Piedini

PM45BR...

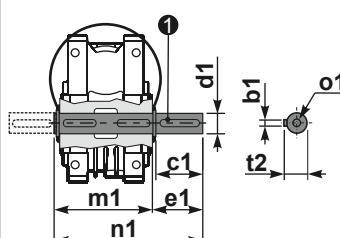
Reaction arm
Braccio di reazione

RM45FB...

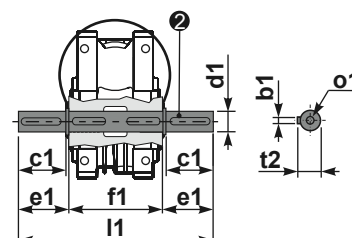
Input shaft
Albero in entrata

	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 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

	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