

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



MODEL	M45	
Ø OUTPUT SHAFT	18	mm
APPROXIMATE RATIO	40	
EXACT RATIO	37.00	
OUTPUT SPEED	37	RPM
EXACT OUTPUT SPEED	39	RPM
INPUT POWER	0.18	KW
INPUT ROTATION	1400	RPM
INPUT PAM	63B14	
OUTPUT TORQUE	28.62	N.m
NOMINAL TORQUE	41.00	N.m
NOMINAL POWER	0.26	KW
SERVICE FACTOR	1.44	
DYNAMIC EFFICIENCY	0.63	



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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**PM45FB...** Basic wormbox  
Riduttore base

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



Gearbox weight  
peso riduttore **2.30 kg**

ø H8	B	C	*Spacer code
<b>18</b> Standard	20.8	6	KM45.3.018
<b>19</b> on request	21.8	6	KM45.3.019
<b>20</b> 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
<b>FC</b>	60 H8	4	7	67	34.5	75	110	9	KM45.9.010
<b>FL</b>	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
<b>F1</b>	95H8	5	9	80	47.5	115	140	9.5	KM45.9.012
<b>F2</b>	-	-	-	-	-	-	-	-	-

**PM45FB...** Feet  
Piedini



**PM45BR...** Reaction arm  
Braccio di reazione



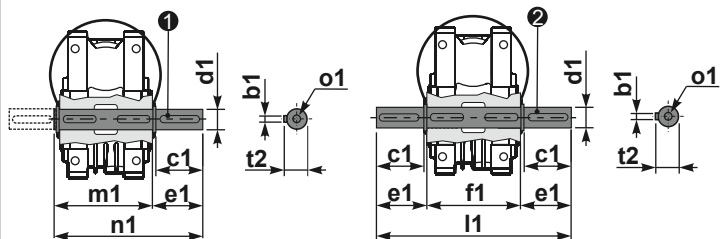
**RM45FB...** Input shaft  
Albero in entrata



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

**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 <sup>-0.005</sup> <sub>-0.020</sub>	43	65	151	70	113	20.5	M6x18
type S	6	40	19 <sup>-0.005</sup> <sub>-0.020</sub>	58.5	-	-	70	128.5	21.5	M8x20