

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	M50
Ø OUTPUT SHAFT	25 mm
APPROXIMATE RATIO	70
EXACT RATIO	68.00
OUTPUT SPEED	21 RPM
EXACT OUTPUT SPEED	21 RPM
INPUT POWER	0.25 KW
INPUT ROTATION	1400 RPM
INPUT PAM	71B14
OUTPUT TORQUE	66.09 N.m
NOMINAL TORQUE	58.00 N.m
NOMINAL POWER	0.22 KW
SERVICE FACTOR	0.88
DYNAMIC EFFICIENCY	0.57



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.14	0.14	0.14	0.14	0.14	0.14

Radial and Axial Loads



n_2 [min-1]	FA [N]	FR [N]
200	240	1200
100	300	1500
50	380	1900
15	560	2800

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PM50FB...

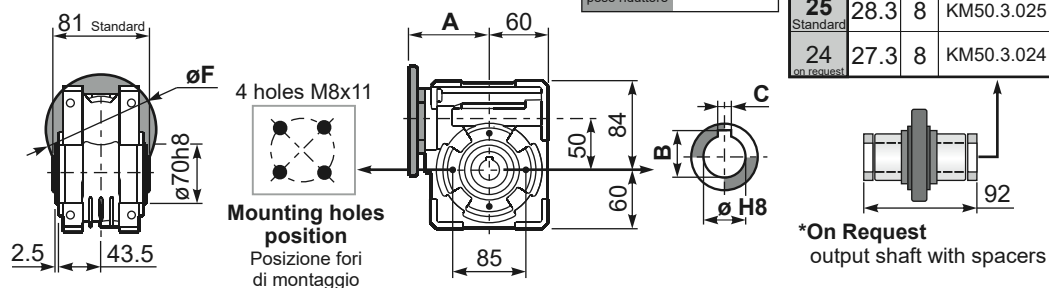
Basic wormbox
Riduttore base

Gearbox weight
peso riduttore

3.25 kg

Ø H8	B	C	*Spacer code
25 Standard	28.3	8	KM50.3.025
24	27.3	8	KM50.3.024

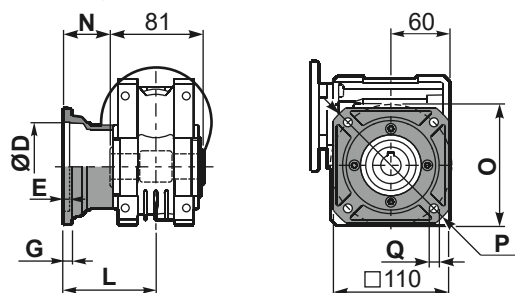
M. flanges	Kit code	ØF	A
63B5	K050.4.041	138	83.5
71B5	K050.4.042	160	81
80B5	K050.4.043	200	81.5
56B14	KC40.4.049	80	81
63B14	K050.4.047	90	83.5
71B14	K050.4.045	105	81
80B14	K050.4.046	120	81.5



***On Request**
output shaft with spacers

PM50**FC**...

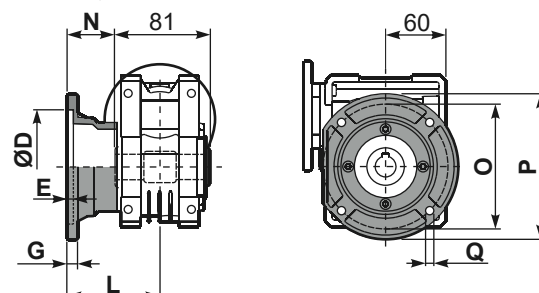
Square flange
Flangia quadrata



type B	øD	E	G	L	N	O	P	Q	kit code
FC	70 H8	5	9	90	49.5	85	125	11	KM50.9.010
FL	70 H8	5	9	120	79.5	85	125	11	KM50.9.011

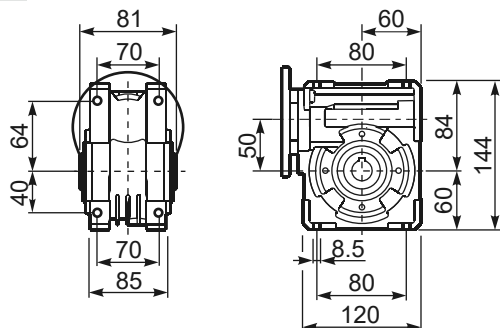
PM50**F1**...

Round flange
Flangia rotonda



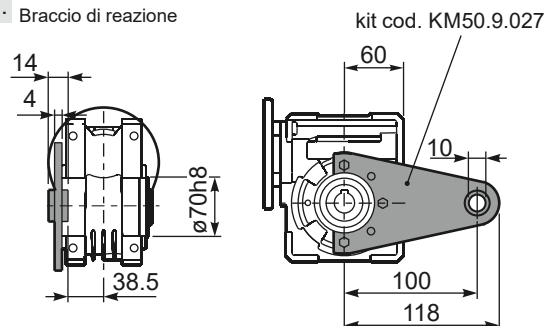
type S	øD	E	G	L	N	O	P	Q	kit code
F1	110 H8	5	10	89	48.5	130	160	9.5	KM50.9.012
F2	95 H8	5	14.5	72	31.5	115	140	11	KM50.9.013

PM50FB...

Feet
Piedini

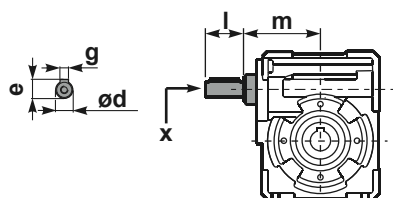
PM50BR...

Reaction arm
Braccio di reazione



RM50FB...

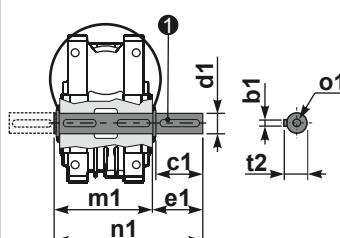
Input shaft
Albero in entrata



	ød	e	g	l	m	x	kit code
type B	16 h6	18	5	30	79.5	M6x16	① K050.5.006 PAM71 ② K050.5.007 PAM80
type S	14 h6	16	5	30	79.5	M5x10	① KS050.5.008 PAM71 ② KS050.5.009 PAM80

PM50.....**S**...

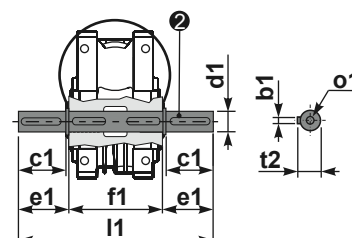
Single Shaft
Albero lento semplice



① kit cod. K050.5.028 type B
kit cod. KS050.5.030 type S

PM50.....**D**...

Double Shaft
Albero lento bisp.



② kit cod. K050.5.029 type B

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
type B	8	52	25 ^{-0.005 -0.020}	59.5	81	200	86.5	146	28	M8x20
type S	8	50	24 ^{-0.005 -0.020}	68.8	-	-	86.5	155	27	M8x20