

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	M50	
Ø OUTPUT SHAFT	25	mm
APPROXIMATE RATIO	45	
EXACT RATIO	43.00	
OUTPUT SPEED	32	RPM
EXACT OUTPUT SPEED	34	RPM
INPUT POWER	0.12	KW
INPUT ROTATION	1400	RPM
INPUT PAM	63B5	
OUTPUT TORQUE	23.23	N.m
NOMINAL TORQUE	68.00	N.m
NOMINAL POWER	0.35	KW
SERVICE FACTOR	2.92	
DYNAMIC EFFICIENCY	0.66	



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

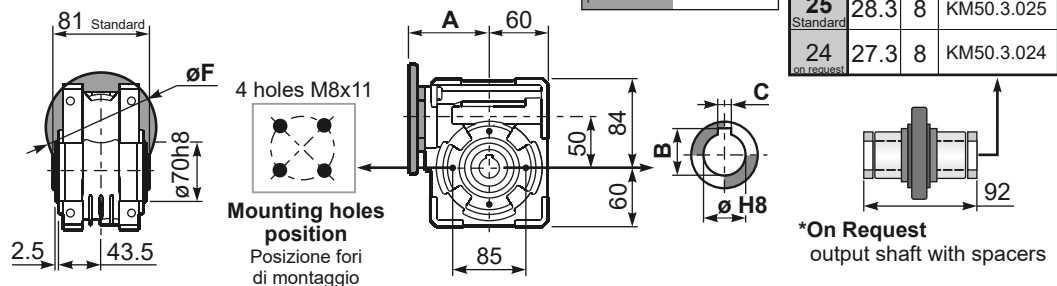
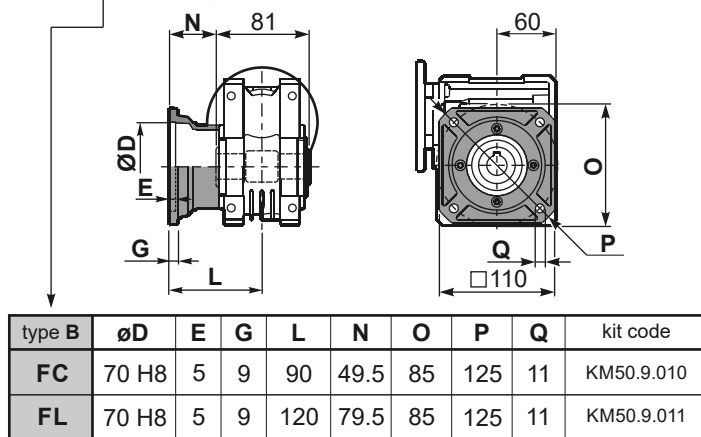
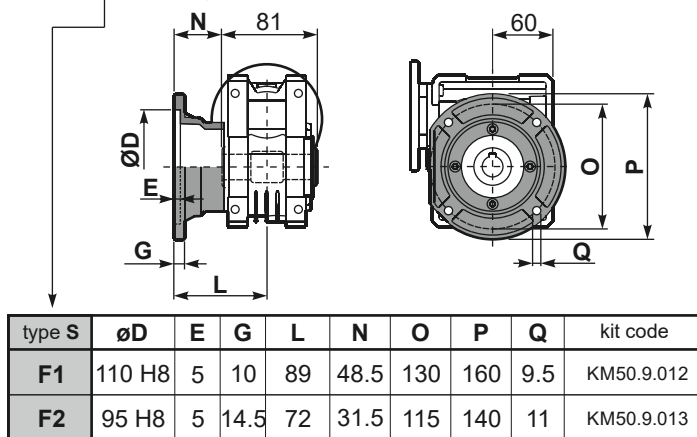
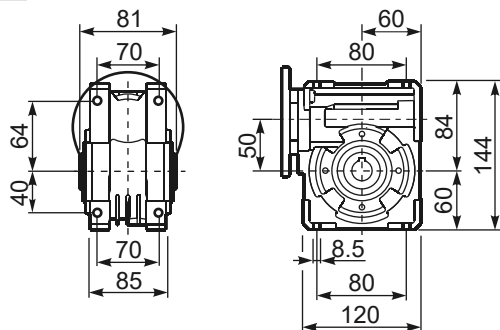
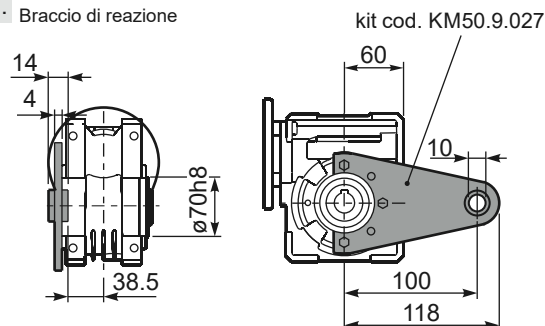
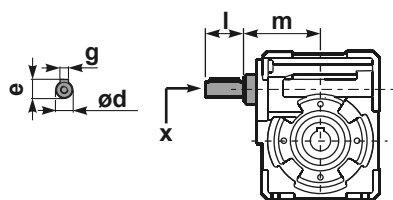
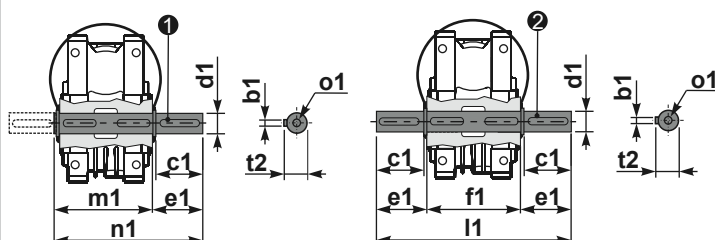
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PM50FB... Basic wormbox
Riduttore base

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

**PM50FC...** Square flange
Flangia quadrata**PM50F1...** Round flange
Flangia rotonda**PM50FB...** Feet
Piedini**PM50BR...** Reaction arm
Braccio di reazione**RM50FB...** Input shaft
Albero in entrata**PM50.....S...** Single Shaft
Albero lento semplice**PM50.....D...** Double Shaft
Albero lento bisp.

- ① kit cod. K050.5.028 type B
kit cod. KS050.5.030 type S
- ② kit cod. K050.5.029 type B

	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

	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