

Technical Data Sheet
Gearbox
WORM GEARBOX ROUND DESIGN



MODEL	085	
Ø OUTPUT SHAFT	35	mm
APPROXIMATE RATIO	20	
EXACT RATIO	22.00	
OUTPUT SPEED	73	RPM
EXACT OUTPUT SPEED	66	RPM
INPUT POWER	3.00	KW
INPUT ROTATION	1400	RPM
INPUT PAM	100B14	
OUTPUT TORQUE	351.14	N.m
NOMINAL TORQUE	294.00	N.m
NOMINAL POWER	2.5	KW
SERVICE FACTOR	0.83	
DYNAMIC EFFICIENCY	0.78	



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
1.2	1.2	1.2	1.2	1.2	1.2

Radial and Axial Loads



n_2 [min-1]	FA [N]	FR [N]
200	500	2500
100	600	3000
50	800	4000
15	1160	5800

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geral@universalmotors.pt
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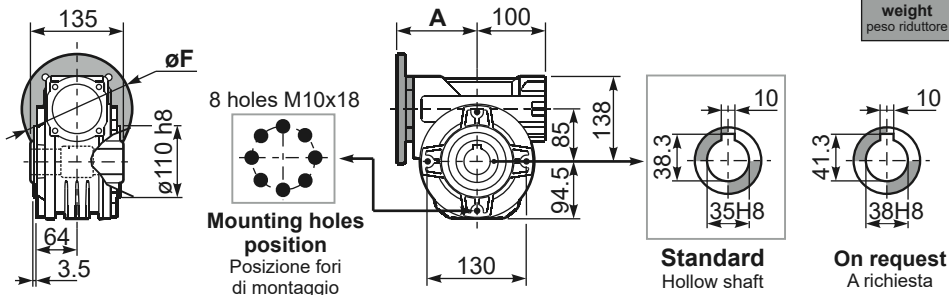
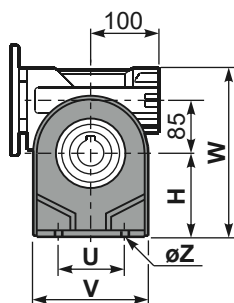
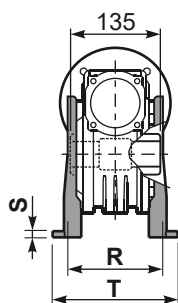
Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

P085**FB**...

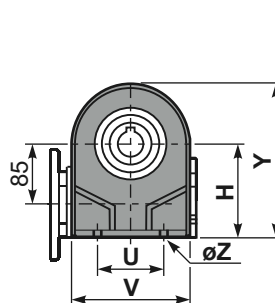
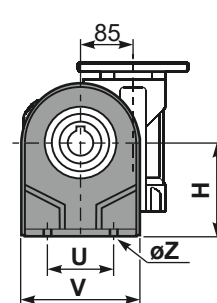
Basic wormbox
Riduttore base

Gearbox weight peso riduttore	11.00 kg
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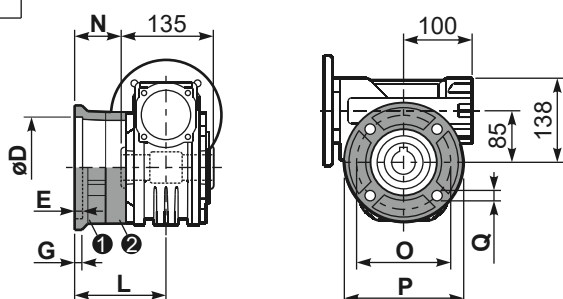
M. flanges	Kit code	øF	A
71B5	K023.4.041	160	116.5
80/90B5	K023.4.042	200	118.5
100/112B5	K023.4.043	250	127.5
80B14	K085.4.046	120	118.5
90B14	K085.4.045	140	118.5
100/112B14	K085.4.047	160	127.5

P085**PA...**Feet
Piedini

P085PB...

Feet
PiediniP085**PV**...Feet
Piedini[illegible]P085**FC**...

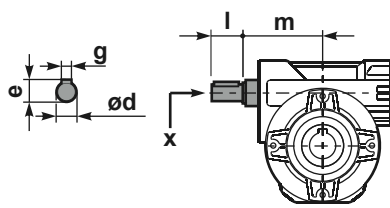
Output flange
Flangia uscita



type B	øD	E	G	L	N	O	P	Q	kit code
FC	152 ^{+0.06} _{+0.00}	5	16	108	40.5	176	205	13	① K085.9.010 ② -
FL	152 ^{+0.06} _{+0.00}	5	16	148.5	81	176	205	13	① K085.9.010 ② K085.0.201
type S	øD	E	G	L	N	O	P	Q	kit code
F1	130 H7	5	13	117.5	50	165	200	11.5	① KS085.9.012 ② -
F2	152 ^{+0.06} _{+0.00}	5	15	147.5	80	180	205	12.5	① KS085.9.013 ② -
F4	130 H7	5	13	106.5	39	165	200	13	① KS085.9.015 ② -

R085FB...

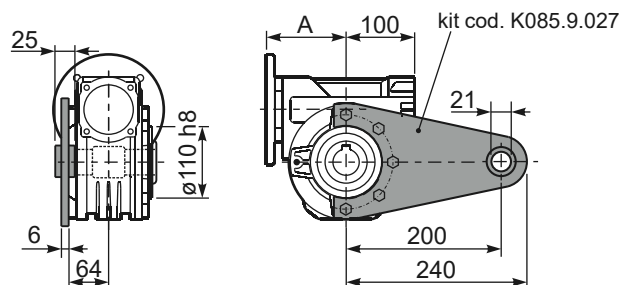
Input shaft
Albero in entrata



	ød	e	g	l	m	x	kit code
type B	25 h6	28	8	50	112	M8x20	1 2 K085.5.007 PAM90 K085.5.008 PAM100
type S	24 h6	27	8	50	112	M8x20	1 2 K085.5.009 PAM90 KS085.5.011 PAM100

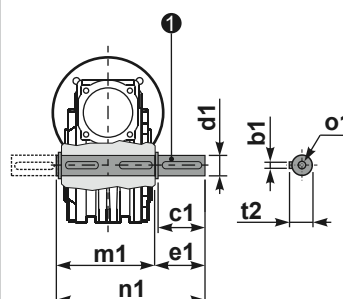
P085BR..

Reaction arm
Braccio di reazione

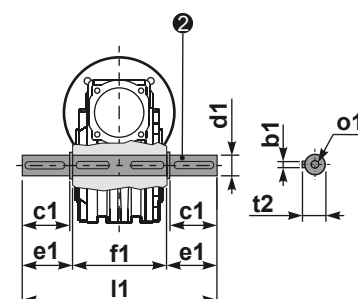


P085.....**S**..

Single Shaft
Albero lento semplice

P085....**D**..

Double Shaft
• Albero lento bisp.



① kit cod. K085.5.028 type **B**

② kit cod. K085.5.029 type **B**

[illegible]