

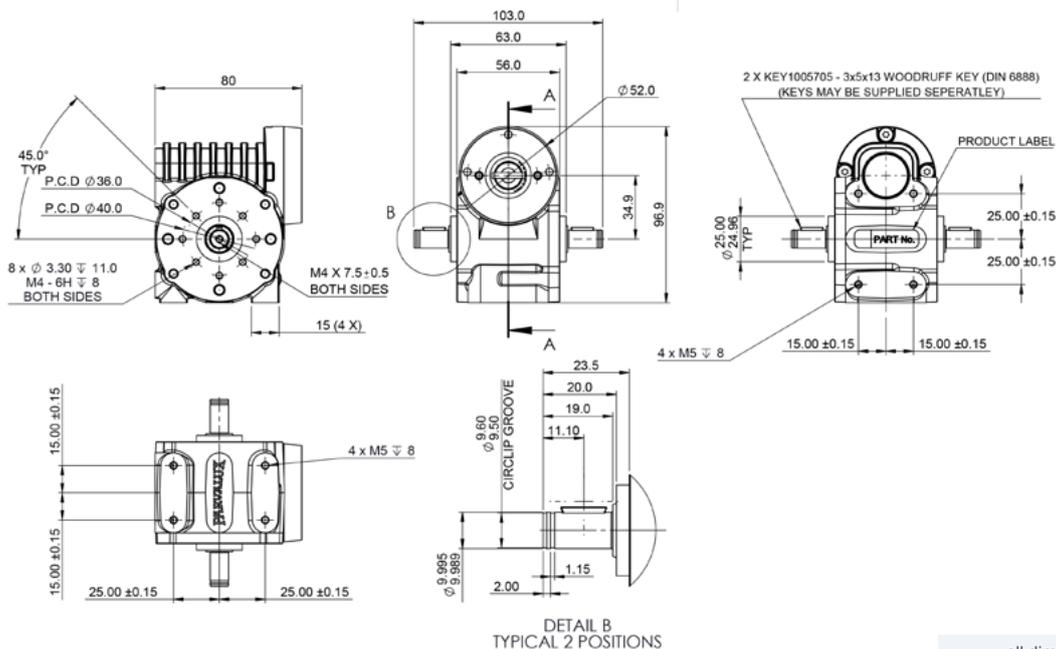
GB80

Right-angle gearbox // Composite gears

4:1 - 72:1 ratio // 13.0 Nm

parvalux

by maxon



all dimensions in mm

Part number key

Modular	#####
Standard	#####
Calculated data	#####

Notes: Custom shaft available on request.

¹ Other ratios available on request (-1): 5, 8, 9, 12, 13, 14, 18, 25, 33, 44, 48, 66

Technical data

1 Part number		-	-	-	-	-	-	-	-	-	-
2 Gear ratio ¹	:1	4	6	10	16	20	30	40	54	60	72
3 Stages		1	1	1	1	1	1	1	1	1	1
4 Max. continuous torque (S1) ²	Nm	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0	6.0	5.0
5 Max. intermittent torque	Nm	13.0	13.0	13.0	13.0	13.0	13.0	13.0	11.0	10.0	8.0
6 Efficiency	%	85	85	82	77	74	70	65	56	54	46
7 Backlash	arc.min	10-25	10-25	10-25	10-25	10-25	10-25	10-25	10-25	10-25	10-25
8 Max. axial load (dynamic)	N	300	300	300	300	300	300	300	300	300	300
9 Max. radial load, 12 mm from flange	N	350	350	350	350	350	350	350	350	350	350
10 Weight	Kg	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11 Gear material		Composite									

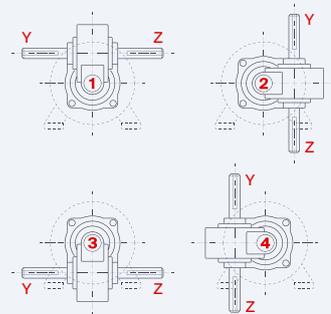
² S1 duty cycle based on 2000 RPM input speed

Compatible products

BLDC	+L mm	PMDC	+L mm	PMDC	+L mm	AC	+L mm
PBL60-50	90	BRx52-30	95	PM50	162	SD8	125
PBL60-70	110	BRx52-58	125	PM60	193	SD28	144
PBL70-70	114	BRx63-25	95	PM70-125	125	SD29	147
PBL70-80	124	BRx63-55	125	PM70-146	146	SD38	128
		BRx70-25	125	PM90-150	153		
		BRx70-60	146	PM90-180	183		
		BRx90-50	153	EPM50-25	119		
		BRx90-75	183	EPM50-38	130		
		PM1	149	EPM50-50	145		
		PM2	162	EPM50-63	155		
		PM3	137	EPM63-50	150		
		PM4	149	EPM63-50 (V)	163		
		PM5	162	EPM63-75	175		
		PM6	175	EPM63-75 (V)	188		
		PM10	107	EPM63-100	200		
		PM11	126	EPM63-100 (V)	213		

(V) = ventilated
+L mm = approximate added length*

Gearbox output position



Compatible products key

Product name	Standard combination
Product name	Modular combination

