

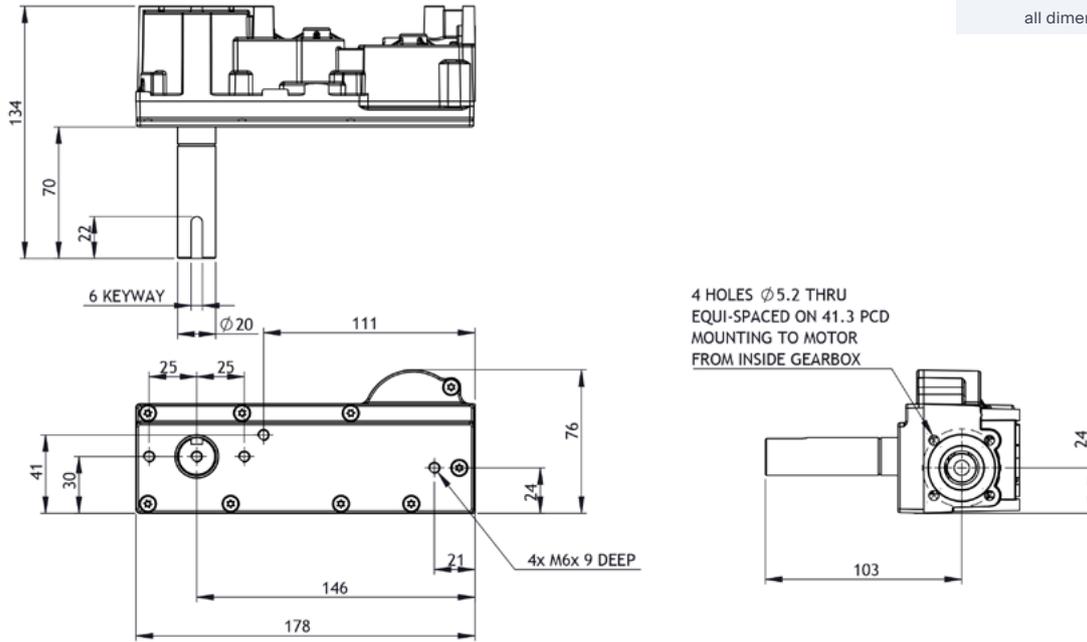
GB36

Right-angle gearbox // Composite gears

6:1 - 35:1 spur ratio // 4:1 - 40:1 worm ratio // 45.0 Nm

parvalux
by **maxon**

all dimensions in mm



Part number key

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

¹Other worm ratios available on request [spur ratio] (:1): 5[6], 7[6], 6[15], 5[35], 7[35], 9[35], 18[35]

Technical data

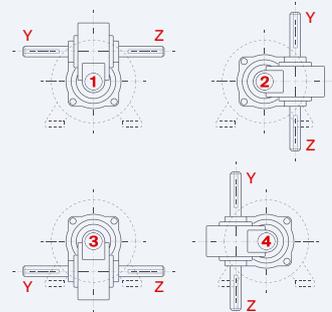
1 Part number		-	-	-	-	-	-	-	-	-	-
2 Gear ratio - spur	:1	6	6	6	15	15	15	35	35	35	35
3 Gear ratio - worm ¹	:1	4	6	8	5	7	8	4	12	27	40
4 Max. continuous torque (S1) ^{2,3}	Nm	9.0	9.0	9.0	22.0	22.0	22.0	45.0	45.0	45.0	45.0
5 Max. intermittent torque ³	Nm	9.0	9.0	9.0	22.0	22.0	22.0	45.0	45.0	45.0	45.0
6 Efficiency	%	76	76	76	74	74	74	72	68	59	54
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	177	177	177	177	177	177	177	177	177	177
9 Max. radial load, 12 mm from flange	N	353	353	353	353	353	353	353	353	353	353
10 Weight	Kg	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
11 Gear material		Composite									

² S1 duty cycle based on 3000 RPM input speed ³ Please refer to the thermal rating limits of the gearbox found on page 255

Compatible products

BLDC	+L mm	PMDC	+L mm	AC	+L mm
PBL60-50	90.0	BRx52-30	95.0	SD8	125.0
PBL60-70	110.0	BRx52-58	125.0	SD21	95.0
		BRx63-25	95.0	SD28	144.0
		BRx63-55	125.0	SD29	147.0
		PM7	84.0	SD38	128.0
		PM8	97.0	SD41	107.0
		PM9	110.0		
		PM10	107.0		
		PM11	126.0		

Gearbox output position



Key

Standard combination

Modular combination

+L mm = approximate added length*

*additional length may also be required for mounting flange between components