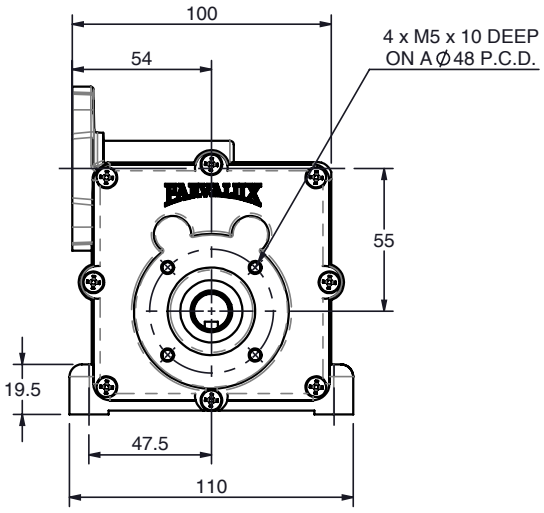
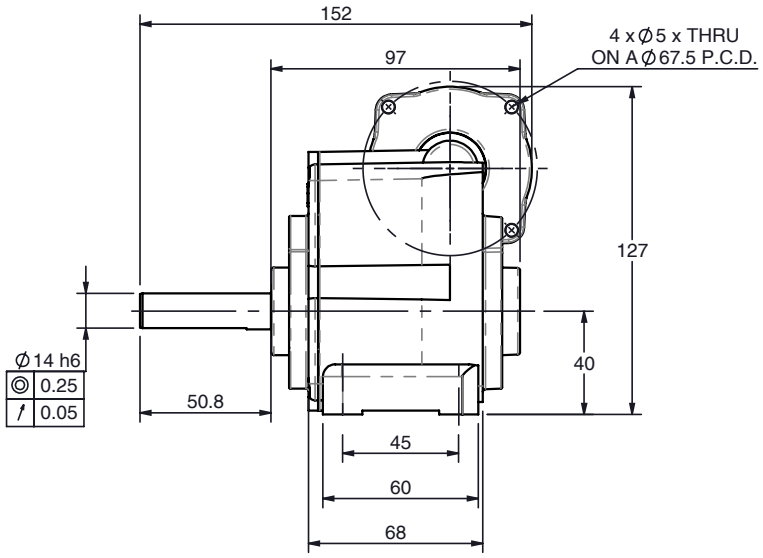
MWS Right-angle gearbox // Composite gears

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

all dimensions in mm

parvalux by maxon





Part number key	
Modular	######
Standard	######
Calculated data	######

Please see our customisation options page for details on the modifications available on our products.
Advice and guidance on these options are available from your local sales engineer.

	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	4	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	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75
8	Max. axial load (dynamic)	N	177	177	177	177	177	177	177	177	177	177
9	Max. radial load, midpoint of flange	N	353	353	353	353	353	353	353	353	353	353
10	Weight	Kg	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
11	Gear material		Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite

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

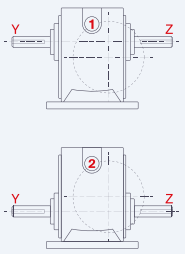
Compatible products

BLDC	Page #
PBL60-50	92
PBL60-70	94

PMDC	Page #
PM10	112
PM11	114

AC	Page #
SD8	172
SD38	176
SD28	180
SD29	184
SD13	188
SD18	192
SD48	196
SD1	202
SD11	206
SD12	210

Gearbox output position



Key
Standard combination
Modular combination