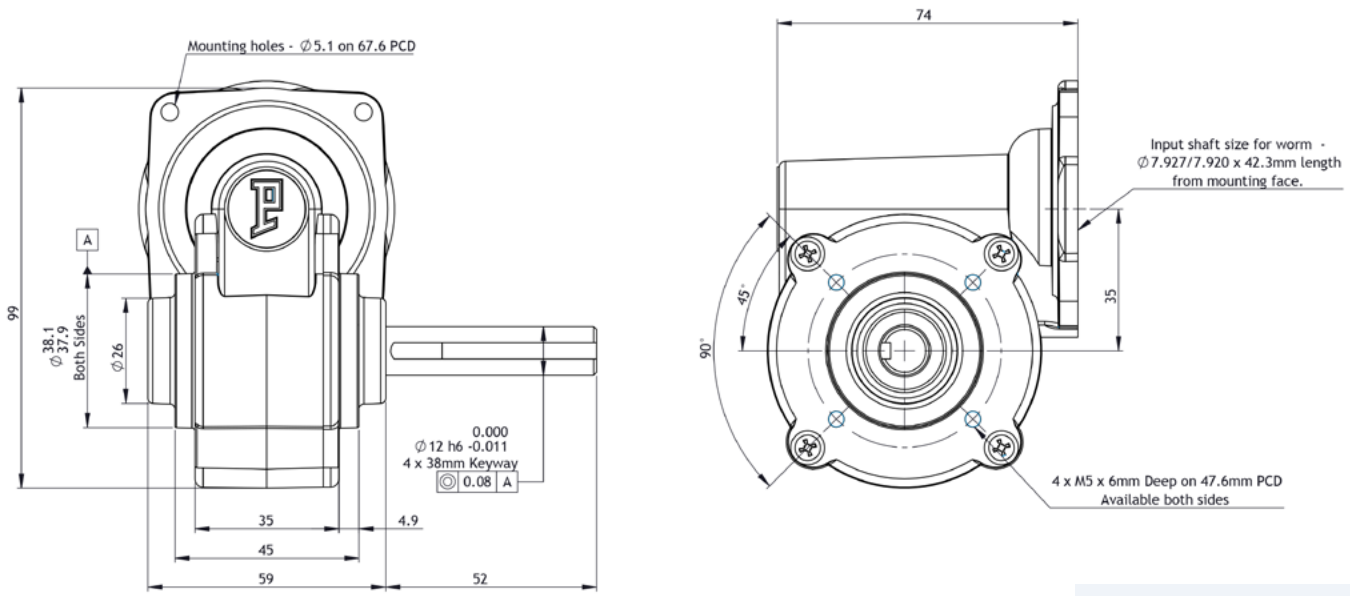
M Box Right-angle gearbox // Bronze gears

4:1 - 72:1 ratio // 19.0 Nm

parvalux by maxon



all dimensions in mm

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

[1] Other ratios available on request (:1): 6, 8, 9, 12, 13, 14, 18, 25, 33, 44, 54, 66

	Technical data											
1	Part number		-	-	-	-	-	-	-	-	-	-
2	Gear ratio [1]	:1	4	5	10	16	20	30	40	48	60	72
3	Stages		1	1	11	1	1	1	1	1	1	1
4	Max. continuous torque (S1) [2]	Nm	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	9.0	8.0
5	Max. intermittent torque	Nm	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	14.0	12.0
6	Efficiency	%	74	74	71	67	64	61	57	50	47	40
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	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
11	Gear material		Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze

[2] S1 duty cycle based on 3000 RPM input speed

Compatible products

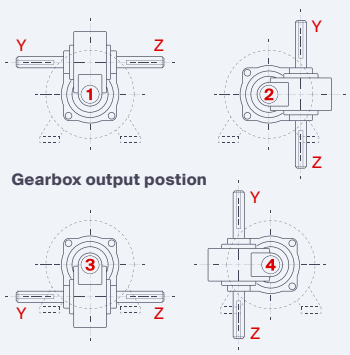
BLDC motor	+L mm
PBL60-50	90
PBL60-70	110

AC motor	+L mm	AC motor	+L mm
SD8	125	SD28	144
SD13	152	SD29	147
SD18	158	SD38	128
SD21	95	SD41	107

PMDC motor	+L mm	PMDC motor	+L mm
PM1	149	PM6	175
PM2	162	PM10	107
PM3	137	PM11	126
PM4	149	PM50	180
PM5	162	PM60	193

+L mm = approximate added length*

M Box



Gearbox output postion

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

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additional information available on request