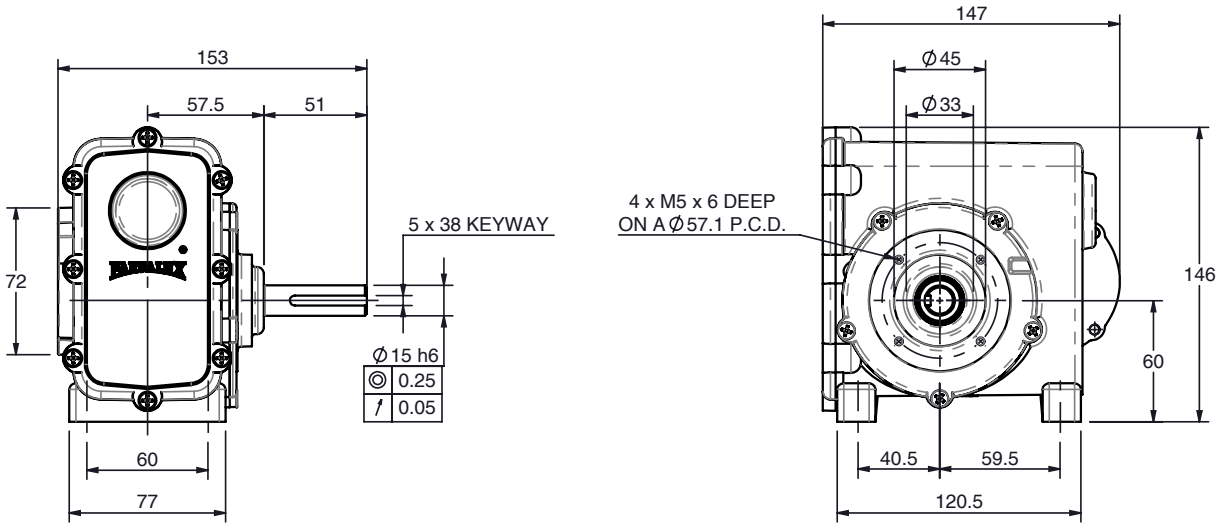
LIW Inline gearbox // Composite gears

9:1 - 20:1 final ratio // 4:1 - 60:1 INT ratio // 28.0 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 - final	:1	9	9	9	20	20	20	20	20	20	20
3	Gear ratio - INT [1]	:1	4	7	10	5	12	20	27	36	44	60
4	Max. continuous torque (S1) [2]	Nm	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
5	Max. intermittent torque	Nm	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
6	Efficiency	%	74	74	71	67	64	59	57	52	49	43
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	196	196	196	196	196	196	196	196	196	196
9	Max. radial load, 12 mm from flange	N	353	353	353	353	353	353	353	353	353	353
10	Weight	Kg	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
11	Gear material		Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite

[1] Other INT ratios available on request [final ratio] (:1): 5[9], 8[9], 7[20], 8[20], 16[20] [2] S1 duty cycle based on 3000 RPM input speed

Compatible products

BLDC	Page #
PBL70-70	96
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PMDC	Page #	PMDC	Page #
PM10	112	PM60	130
PM11	114	PM90-150	136
PM1	116	PM90-180	138
PM2	118	EPM63-50	150
PM3	120	EPM63-50 (V)	152
PM4	122	EPM63-75	154
PM5	124	EPM63-75 (V)	156
PM6	126	EPM63-100	158
PM50	128	EPM63-100 (V)	160

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

Key
Standard combination
Modular combination