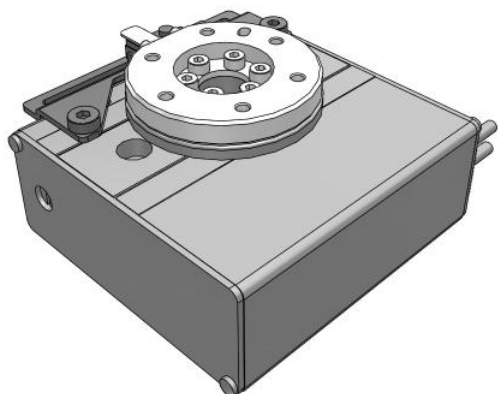




LER, Electric Rotary Table LER30J-1-S1

Datasheet

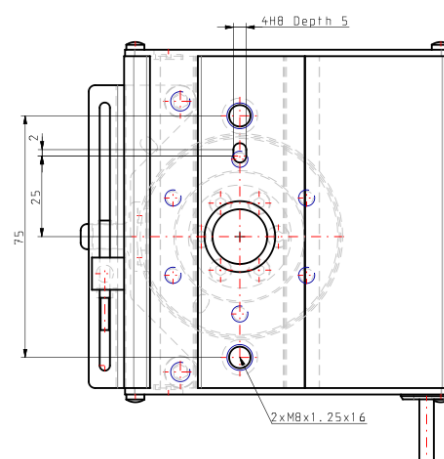
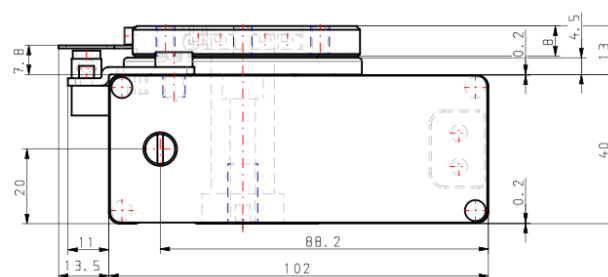
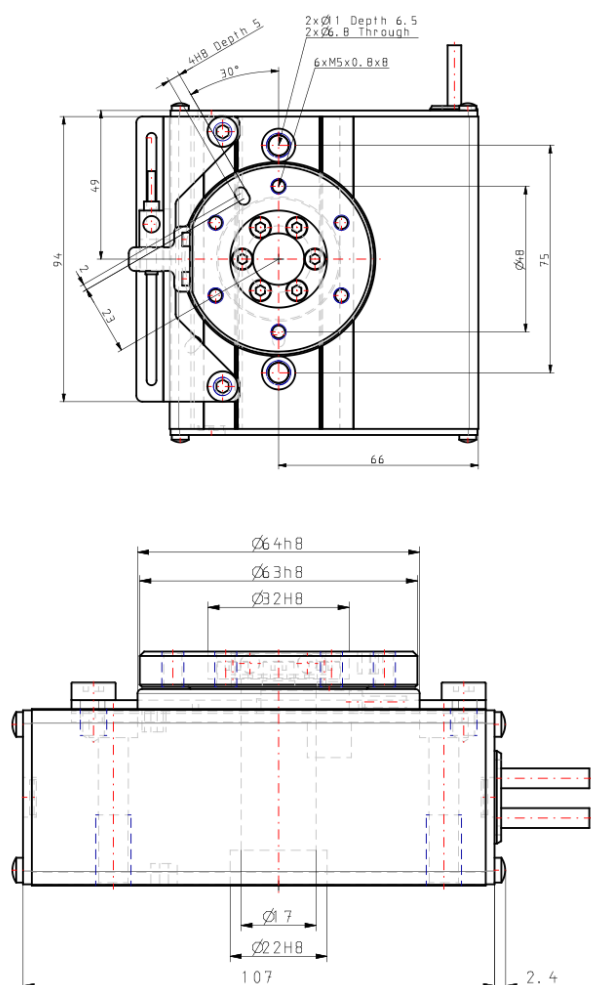
- Size: 10, 30 and 50 mm.
- Positioning angle: 320°.

Standard specifications

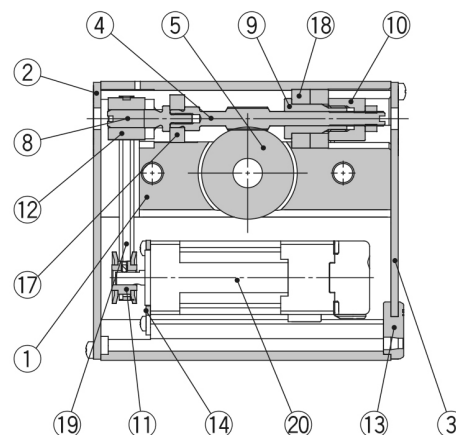
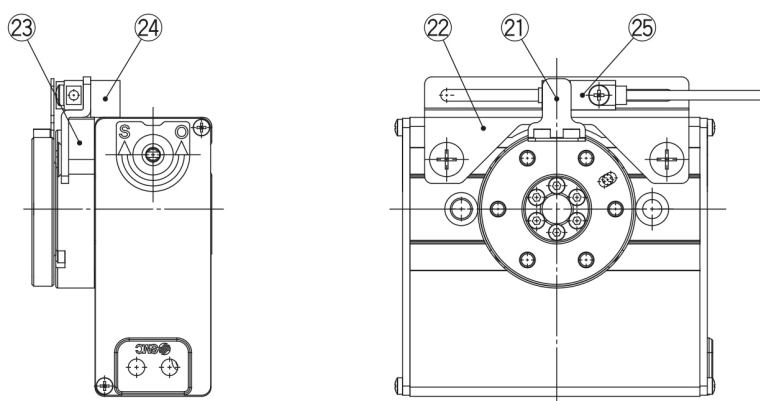
Table Accuracy	Basic
Size	30
Max. Rotation Torque	J (Basic, LER10: 0.22; LER30: 0.8; LER50: 6.6)
Rotation Angle	1 (360°)
Motor Cable Entry	Basic, Entry on the Right Side
Actuator Cable	S (Standard Cable)
Actuator Cable Length	w/o Cable
Controller	w/o Controller
I/O Cable Length	w/o Cable
Protocol	None
Suffix	1 (For Single Axis)
Controller mounting	Screw Mounting
Option	None
Maximum ambient temperature	40 °C
Minimum ambient temperature	5 °C
General power supply	24 VDC ±10 %
Conform to the European RoHS Directive	Conform
Approvals	CE
Max. operating frequency [cycle/min]	60 c.p.m.
Lead	12°
Max. Rotating torque	0.8 N·m
Max. pushing torque 40 to 50%	0.32 to 0.40 N·m

Max. Moment of inertia	0.012 Kg·m2
Angular speed	30 to 420 °/s
Pushing speed	30 °/s
Max. angular acceleration/deceleration	3000 °/s2
Backlash	±0.2 °
Positioning repeatability	±0.05 °
Lost motion	0.3° or less
Impact/Vibration resistance	150/30 m/s2
Actuation type	Special worm gear + Belt drive
Operating humidity range	90 %RH or less (No condensation)
Motor type	Step motor (Servo/24 VDC)
Encoder	Incremental A/B phase (800 pulse/rotation)
Weight	1.200 Kg

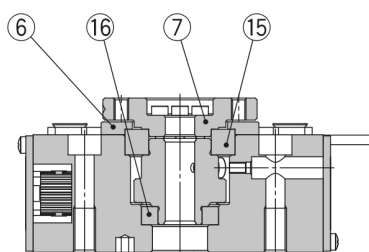
Dimensions



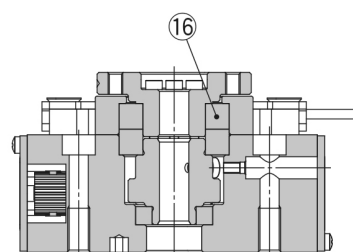
Constructions



Basic type



High precision type



Component Parts

No.	Description	Material	Note
1	Body	Aluminium alloy	Anodised
2	Side plate A	Aluminium alloy	Anodised
3	Side plate B	Aluminium alloy	Anodised
4	Worm screw	Stainless steel	Heat treated + Specially treated
5	Worm wheel	Stainless steel	Heat treated + Specially treated
6	Bearing cover	Aluminium alloy	Anodised
7	Table	Aluminium alloy	
8	Joint	Stainless steel	
9	Bearing holder	Aluminium alloy	
10	Bearing retainer	Aluminium alloy	
11	Pulley A	Aluminium alloy	
12	Pulley B	Aluminium alloy	
13	Grommet	NBR	
14	Motor plate	Carbon steel	
15	Basic type	Deep groove ball bearing	
	High precision type	Special ball bearing	
16	Deep groove ball bearing	—	
17	Deep groove ball bearing	—	
18	Deep groove ball bearing	—	
19	Belt	—	

Component Parts (360° type)

No.	Description	Material	Note
21	Proximity dog	Stainless steel	
22	Sensor holder	Carbon steel	Chromate treated
23	Sensor holder spacer	Aluminium alloy	Anodised (High precision type can be used only)
24	Square nut	Aluminium alloy	
25	Proximity sensor assembly	—	Type

Additional information

Catalogue	LER-Cccc_EU.pdf
Declaration of conformity	newDoc_LER_stepDC-servoDC_EN.pdf
Installation manuals	IMM_LER_TFO12EN-D.pdf
Operation manuals	om_ler_stepdc-_en.pdf OM_LER0_OM00303EN.pdf