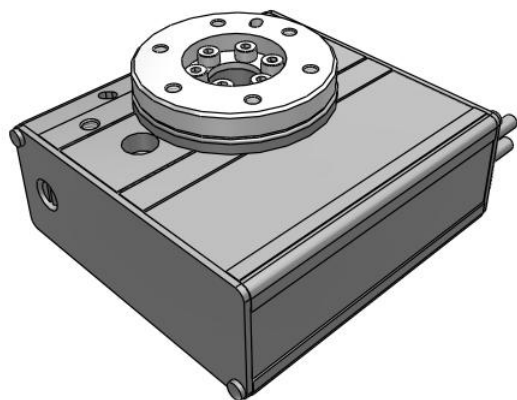




Rotary Table - LER LER30K-R51P1

Datasheet

General series information

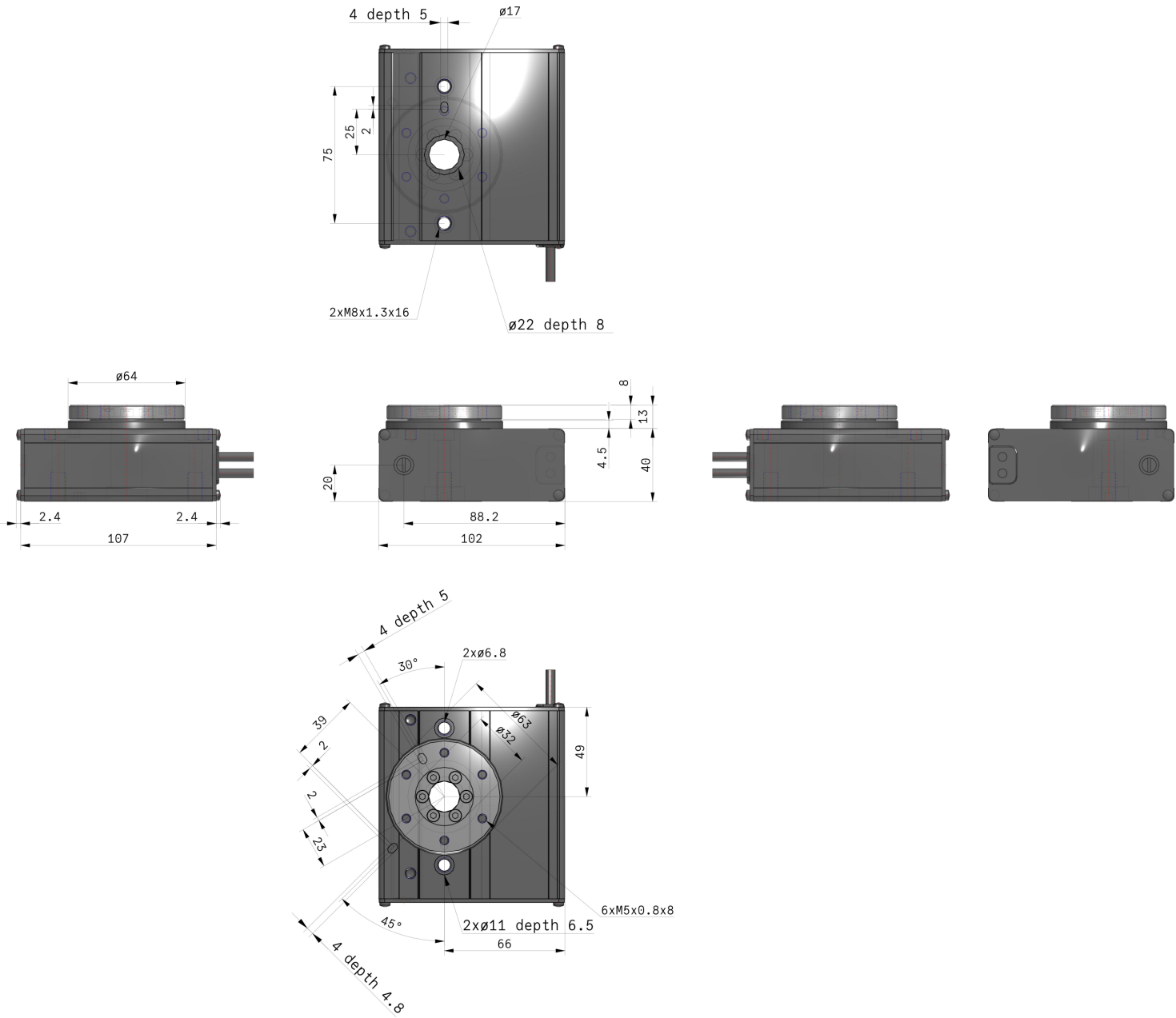
- Motor type: Step motor (Servo/24 VDC)
- Size: 10, 30 and 50 mm
- Positioning angle: 360°.

Standard specifications

Table Accuracy	Basic Type
Size	30
Max. Rotation Torque	K (High Torque, LER10: 0.32; LER30: 1.2; LER50: 10)
Rotation Angle	LER10: 310°; LER30/LER50: 320°
Motor Cable Entry	Basic, Entry on the Right Side
Actuator Cable	R (Robotic Type Cables, Flexible Type)
Actuator Cable Length	5 (5m)
Controller	w/o Controller
I/O cabling for LEC controllers	1 (1.5 m)
Protocol	P (PROFINET)
Suffix	None
Controller Mounting	Screw Mounting
I/O cabling for JXC Controllers and communication plug connector	1 (I/O Cable, 1.5 m)
Maximum ambient temperature	40 °C
Minimum ambient temperature	5 °C
General power supply	24 VDC ±10 %
Approvals	CE
F124- Max-operating-frequency	60 c.p.m.
Lead	8°

Max. Rotating torque	1.2 N·m
Max. pushing torque 40 to 50%	0.48 to 0.60 N·m
Max. Moment of inertia	0.027 Kg·m ²
Angular speed	20 to 280 °/s
Pushing speed	20 °/s
Max. angular acceleration/deceleration	3000 °/s ²
Backlash	±0.2 °
Positioning repeatability	±0.05 °
Lost motion	0.3° or less
Impact/Vibration resistance	150/30 m/s ²
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	1.836 Kg

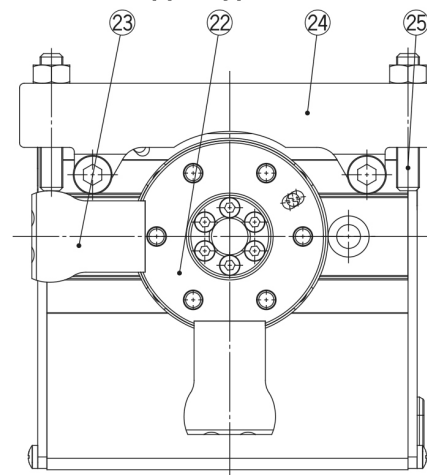
Dimensions



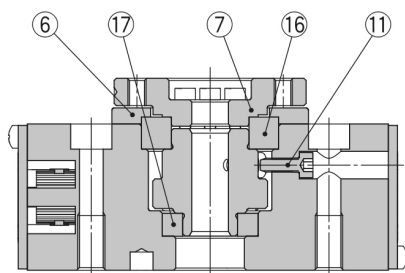
Constructions



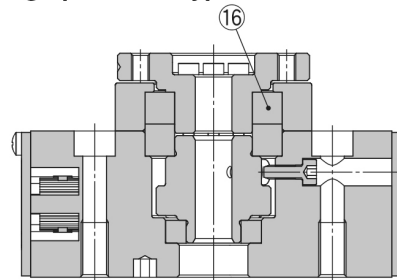
External stopper type



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	Home position bolt	Carbon steel	
12	Pulley A	Aluminium alloy	
13	Pulley B	Aluminium alloy	
14	Grommet	NBR	
15	Motor plate	Carbon steel	
16	Basic type	Deep groove ball bearing	
	High precision type	Special ball bearing	
17	Deep groove ball bearing	—	
18	Deep groove ball bearing	—	
19	Deep groove ball bearing	—	
20	Belt	—	
21	Step motor (Servo/24 VDC)	—	

Component Parts

No.	Description	Material	Note
22	Table	Aluminium alloy	Anodised
23	Arm	Carbon steel	Heat treated, electroless nickel treated
24	Holder	Aluminium alloy	Anodised
25	Adjuster bolt	Carbon steel	Heat treated, chromate treated

Additional information

Catalogue	LER-Ccccc_EU.pdf
Declaration of conformity	newDoC_LER_StepDC_EN.pdf newDoC_LER_StepDC_EN-A.pdf
Installation manuals	IM_LER_StepDC_EN.pdf
Operation manuals	OM_LER_stepDC_EN.pdf