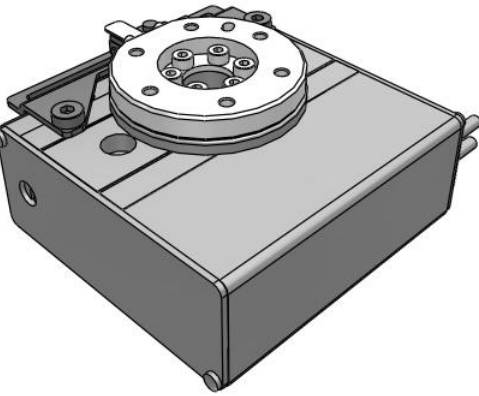




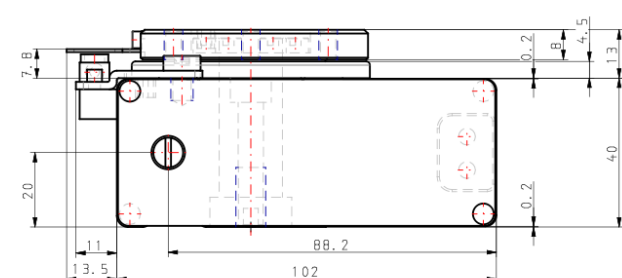
LER, Electric Rotary Table LER30K-1-R1

Datasheet

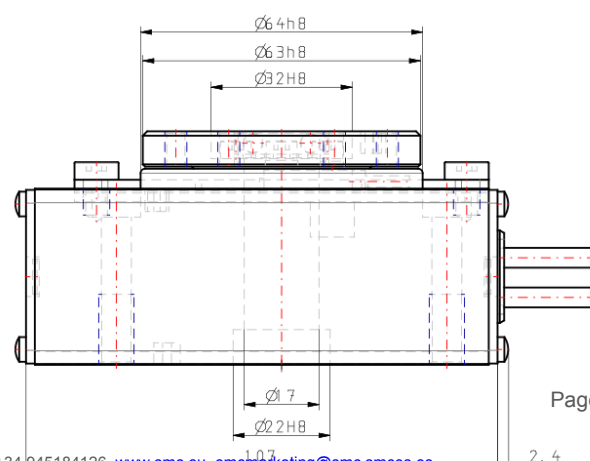
Following the success of our "easy setting" LE electric actuator range, we are pleased to unveil our latest addition - a compact, high performance, electric rotary actuator with position, speed, acceleration/deceleration control – Series LER. Suitable for all handling applications, with smooth, shock-less, high speed actuation up to 420°/s and acceleration up to 3000°/s², Series LER actuators are delivered with their own controller with pre-set actuator parameters, reducing both installation and programming time. With up to 64 positioning points, a 320° positioning angle and positioning repeatability of $\pm 0.05^\circ$ as standard, the LER models are available in both standard and high precision types, with a maximum rotating torque of 10N.m.

Table Accuracy	Basic
Size	30
Max. Rotation Torque	K (High Torque, LER10: 0.32
LER30	1.2
LER50	10)
Rotation Angle	1 (360°)
Motor Cable Entry	Basic, Entry on the Right Side
Actuator Cable	R (Robotic Type Cables, Flexible Type)
Actuator Cable Length	1 (1.5m)
Controller	w/o Controller
I/O Cable Length	w/o Cable
Protocol	None
Suffix	None
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	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·m2
Angular speed	20 to 280 °/s
Pushing speed	20 °/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

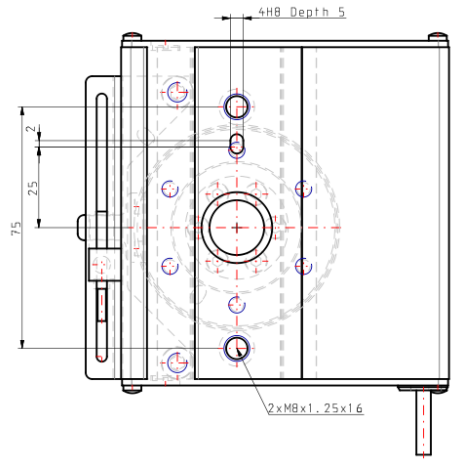
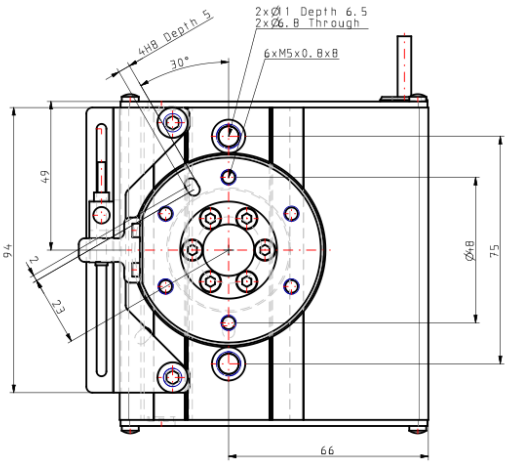
Dimensions



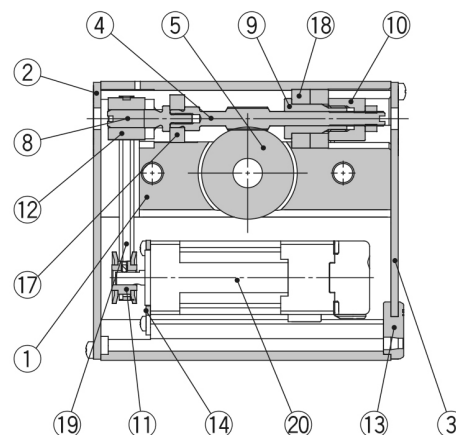
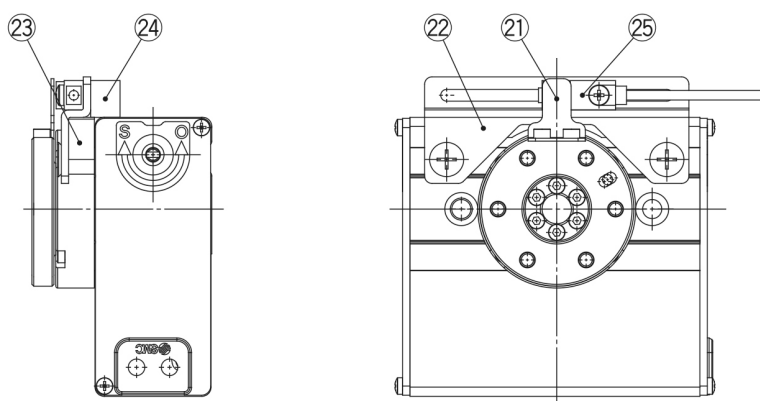
08/05/2020



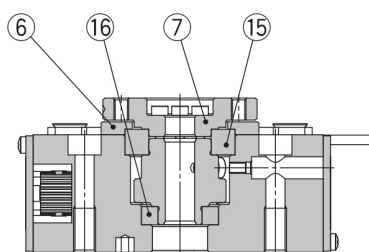
Page 2



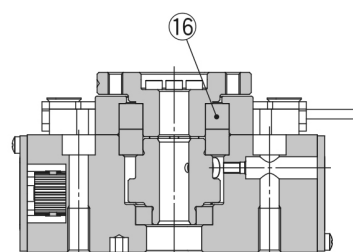
Constructions



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-Ccc_EU.pdf](#)