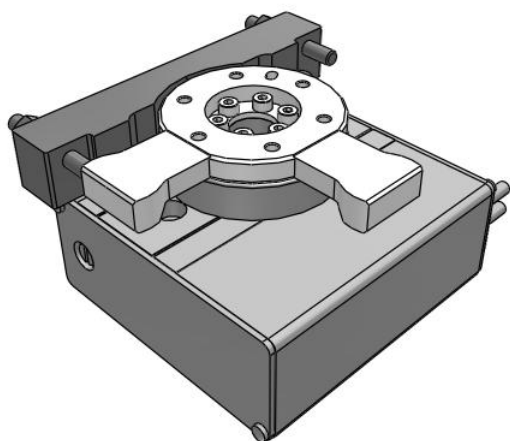




## Rotary Table - LER LERH30K-3

### Datasheet

### General series information

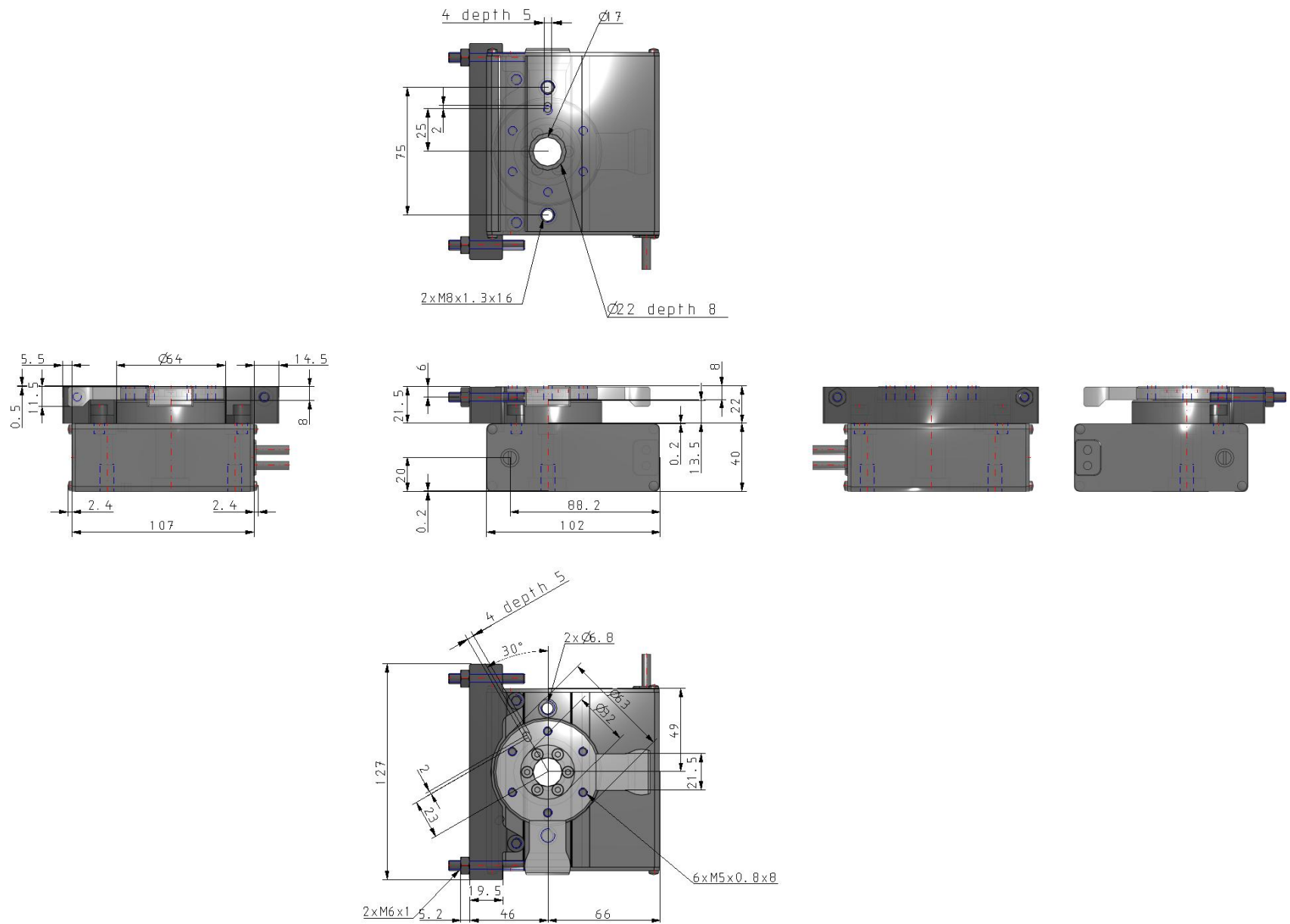
- Motor type: Step motor (Servo/24 VDC)
- Size: 10, 30 and 50 mm
- Positioning angle: 360°.

### Standard specifications

|                                                                |                                                     |
|----------------------------------------------------------------|-----------------------------------------------------|
| Table Accuracy                                                 | H (High Precision)                                  |
| Size                                                           | 30                                                  |
| Max. Rotation Torque                                           | K (High Torque, LER10: 0.32; LER30: 1.2; LER50: 10) |
| Rotation Angle                                                 | 3 (90°)                                             |
| Motor Cable Entry                                              | Basic, Entry on the Right Side                      |
| Actuator Cable                                                 | w/o Cable                                           |
| Actuator Cable Length                                          | w/o Cable                                           |
| Controller                                                     | w/o Controller                                      |
| I/O cabling for LEC controllers                                | w/o Cable                                           |
| Protocol                                                       | None                                                |
| Suffix                                                         | None                                                |
| Controller mounting                                            | Screw Mounting                                      |
| I/O cabling for JXC Controllers & communication plug connector | None                                                |
| 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 <sup>2</sup>                    |
| Angular speed                          | 20 to 280 °/s                              |
| Pushing speed                          | 20 °/s                                     |
| Max. angular acceleration/deceleration | 3000 °/s <sup>2</sup>                      |
| Backlash                               | ±0.1 °                                     |
| Positioning repeatability              | ±0.03 °                                    |
| Lost motion                            | 0.2° or less                               |
| Impact/Vibration resistance            | 150/30 m/s <sup>2</sup>                    |
| 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

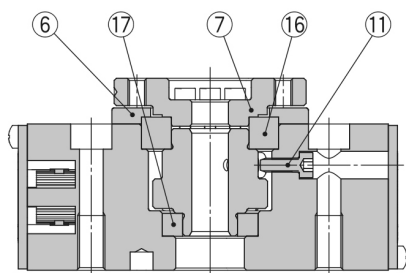


Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

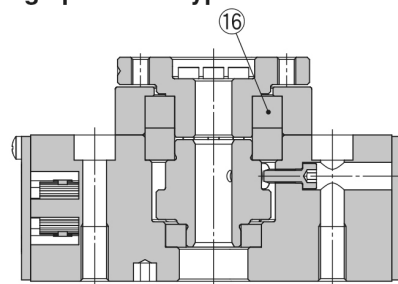
## Constructions



**Basic type**



**High precision type**



**External stopper type**

### Component Parts

| No. | Description                      | Material                 | Note                            |
|-----|----------------------------------|--------------------------|---------------------------------|
| 1   | <b>Body</b>                      | Aluminium alloy          | Anodised                        |
| 2   | <b>Side plate A</b>              | Aluminium alloy          | Anodised                        |
| 3   | <b>Side plate B</b>              | Aluminium alloy          | Anodised                        |
| 4   | <b>Worm screw</b>                | Stainless steel          | Heat treated, specially treated |
| 5   | <b>Worm wheel</b>                | Stainless steel          | Heat treated, specially treated |
| 6   | <b>Bearing cover</b>             | Aluminium alloy          | Anodised                        |
| 7   | <b>Table</b>                     | Aluminium alloy          |                                 |
| 8   | <b>Joint</b>                     | Stainless steel          |                                 |
| 9   | <b>Bearing holder</b>            | Aluminium alloy          |                                 |
| 10  | <b>Bearing retainer</b>          | Aluminium alloy          |                                 |
| 11  | <b>Home position bolt</b>        | Carbon steel             |                                 |
| 12  | <b>Pulley A</b>                  | Aluminium alloy          |                                 |
| 13  | <b>Pulley B</b>                  | Aluminium alloy          |                                 |
| 14  | <b>Grommet</b>                   | NBR                      |                                 |
| 15  | <b>Motor plate</b>               | Carbon steel             |                                 |
| 16  | Basic type                       | Deep groove ball bearing |                                 |
|     | High precision type              | Special ball bearing     |                                 |
| 17  | <b>Deep groove ball bearing</b>  | —                        |                                 |
| 18  | <b>Deep groove ball bearing</b>  | —                        |                                 |
| 19  | <b>Deep groove ball bearing</b>  | —                        |                                 |
| 20  | <b>Belt</b>                      | —                        |                                 |
| 21  | <b>Step motor (Servo/24 VDC)</b> | —                        |                                 |

### Component Parts

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

## Additional information

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">LER-Ccccc_EU.pdf</a>                                                     |
| Declaration of conformity | <a href="#">newDoC_LER_StepDC_EN.pdf</a><br><a href="#">newDoC_LER_TF1Y283EN.pdf</a> |
| Installation manuals      | <a href="#">IM_LER_StepDC_EN.pdf</a>                                                 |
| Operation manuals         | <a href="#">OM_LER_stepDC_EN.pdf</a>                                                 |