

**KWL15-ESC-V1-G3**

## Recirculating ball bearing carriage

Short & slim carriage, standard end plate, for four-row linear recirculating ball bearing and guideway assembly

## Technical information

**Your current product variant**

|                 |     |                           |
|-----------------|-----|---------------------------|
| Size Code       | 15  |                           |
| Carriage design | ESC | Short design              |
| Preload         | V1  | Slight preload (standard) |
| Accuracy class  | G3  |                           |

**Main Dimensions & Performance Data**

|                 |          |                                    |
|-----------------|----------|------------------------------------|
| H               | 24 mm    | Height system                      |
| B               | 34 mm    | Width carriage                     |
| L               | 47,6 mm  | Overall length carriage            |
| C               | 6.300 N  | Dynamic load rating                |
| C <sub>0</sub>  | 10.800 N | Basic static load capacity         |
| M <sub>0x</sub> | 95 Nm    | Static moment rating about X-axis  |
| M <sub>0y</sub> | 47 Nm    | Static moment rating about Y-axis  |
| M <sub>0z</sub> | 47 Nm    | Static moment rating about Z-axis  |
| M <sub>0x</sub> | 50 Nm    | Dynamic moment rating about X-axis |
| M <sub>0y</sub> | 43 Nm    | Dynamic moment rating about y-axis |
| M <sub>0z</sub> | 43 Nm    | Dynamic moment rating about Z-axis |
| ≈m              | 100 g    | Weight                             |



### Mounting dimensions

---

|                   |         |  |
|-------------------|---------|--|
| A <sub>1</sub>    | 9,5 mm  | Distance from locating edge on carriage to locating edge on guideway |
| A <sub>2</sub>    | 4 mm    | Distance from locating edge to hole                                  |
| L <sub>1</sub>    | 25,6 mm | Carrier length   |
| H <sub>1</sub>    | 4,6 mm  | Free space, system dimension   |
| J <sub>B</sub>    | 26 mm   | Hole spacing   |
| A <sub>3</sub>    | 4,3 mm  | Position lubrication connector                                       |
| T <sub>5</sub>    | 4 mm    | Thread depth   |
| G <sub>2</sub>    | M4      | Thread size, DIN ISO 4762-12.9                                       |
| G2 M <sub>A</sub> | 4,95 Nm | Maximum tightening torque  |

### Additional information

---

|          |      |               |
|----------|------|---------------|
| VMKB_065 | KWLT | Material name |
|----------|------|---------------|