

**KWLT45-AL-V1-G3** [↗](#)

## Recirculating ball bearing carriage

Long flanged carriage, standard end plate, for four-row linear recirculating ball bearing and guideway assembly

## Technical information

**Your current product variant**

|                 |    |                           |
|-----------------|----|---------------------------|
| Size Code       | 45 |                           |
| Carriage design | AL | Long design               |
| Preload         | V1 | Slight preload (standard) |
| Accuracy class  | G3 |                           |

**Main Dimensions & Performance Data**

|                 |           |                                    |
|-----------------|-----------|------------------------------------|
| H               | 60 mm     | Height system                      |
| B               | 120 mm    | Width carriage                     |
| L               | 167 mm    | Overall length carriage            |
| C               | 72.000 N  | Dynamic load rating                |
| C <sub>0</sub>  | 135.000 N | Basic static load capacity         |
| M <sub>0x</sub> | 3.600 Nm  | Static moment rating about X-axis  |
| M <sub>0y</sub> | 2.600 Nm  | Static moment rating about Y-axis  |
| M <sub>0z</sub> | 2.600 Nm  | Static moment rating about Z-axis  |
| M <sub>0x</sub> | 1.735 Nm  | Dynamic moment rating about X-axis |
| M <sub>0y</sub> | 2.440 Nm  | Dynamic moment rating about y-axis |
| M <sub>0z</sub> | 2.440 Nm  | Dynamic moment rating about Z-axis |
| ≈m              | 3,35 kg   | Weight                             |



### Mounting dimensions

|                   |         |  |
|-------------------|---------|--|
| A <sub>1</sub>    | 37,5 mm | Distance from locating edge on carriage to locating edge on guideway |
| A <sub>2</sub>    | 10 mm   | Distance from locating edge to hole                                  |
| L <sub>1</sub>    | 128 mm  | Carrier length   |
| H <sub>1</sub>    | 14 mm   | Free space, system dimension   |
| J <sub>B</sub>    | 100 mm  | Hole spacing   |
| J <sub>L</sub>    | 80 mm   | Hole Spacing   |
| A <sub>3</sub>    | 8,5 mm  | Position lubrication connector                                       |
| T <sub>5</sub>    | 15 mm   | Thread depth   |
| G <sub>2</sub>    | M12     | Thread size, DIN ISO 4762-12.9                                       |
| G2 M <sub>A</sub> | 140 Nm  | Maximum tightening torque  |

### Additional information

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