

**KWLT30-AL-V0-G4** [↗](#)

## 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       | 30 |                  |
| Carriage design | AL | Long design      |
| Preload         | V0 | Slight clearance |
| Accuracy class  | G4 |                  |

**Main Dimensions & Performance Data**

|                 |          |                                    |
|-----------------|----------|------------------------------------|
| H               | 42 mm    | Height system                      |
| B               | 90 mm    | Width carriage                     |
| L               | 125,4 mm | Overall length carriage            |
| C               | 34.000 N | Dynamic load rating                |
| C <sub>0</sub>  | 66.000 N | Basic static load capacity         |
| M <sub>0x</sub> | 1.060 Nm | Static moment rating about X-axis  |
| M <sub>0y</sub> | 940 Nm   | Static moment rating about Y-axis  |
| M <sub>0z</sub> | 940 Nm   | Static moment rating about Z-axis  |
| M <sub>0x</sub> | 495 Nm   | Dynamic moment rating about X-axis |
| M <sub>0y</sub> | 810 Nm   | Dynamic moment rating about y-axis |
| M <sub>0z</sub> | 810 Nm   | Dynamic moment rating about Z-axis |
| ≈m              | 1,35 kg  | Weight                             |



### Mounting dimensions

|                   |         |                                                                      |
|-------------------|---------|----------------------------------------------------------------------|
| A <sub>1</sub>    | 31 mm   | Distance from locating edge on carriage to locating edge on guideway |
| A <sub>2</sub>    | 9 mm    | Distance from locating edge to hole                                  |
| L <sub>1</sub>    | 92,4 mm | Carrier length                                                       |
| H <sub>1</sub>    | 9 mm    | Free space, system dimension                                         |
| J <sub>B</sub>    | 72 mm   | Hole spacing                                                         |
| J <sub>L</sub>    | 52 mm   | Hole Spacing                                                         |
| A <sub>3</sub>    | 8 mm    | Position lubrication connector                                       |
| T <sub>5</sub>    | 11,5 mm | Thread depth                                                         |
| G <sub>2</sub>    | M10     | Thread size, DIN ISO 4762-12.9                                       |
| G2 M <sub>A</sub> | 81 Nm   | Maximum tightening torque                                            |

### Additional information

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