

**KWL45-SL-V0-G3** [↗](#)

Recirculating ball bearing carriage

Long & slim 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 | SL | Narrow, long design |
| Preload | V0 | Slight clearance |
| Accuracy class | G3 | |

Main Dimensions & Performance Data

| | | |
|-----------------|-----------|------------------------------------|
| H | 60 mm | Height system |
| B | 86 mm | Width carriage |
| L | 167 mm | Overall length carriage |
| C | 72.000 N | Dynamic load rating |
| C ₀ | 135.000 N | Basic static load capacity |
| M _{0x} | 3.600 Nm | Static moment rating about X-axis |
| M _{0y} | 2.600 Nm | Static moment rating about Y-axis |
| M _{0z} | 2.600 Nm | Static moment rating about Z-axis |
| M _{0x} | 1.735 Nm | Dynamic moment rating about X-axis |
| M _{0y} | 2.440 Nm | Dynamic moment rating about y-axis |
| M _{0z} | 2.440 Nm | Dynamic moment rating about Z-axis |
| m | 2,58 kg | Weight |



Mounting dimensions

| | | |
|-------------------|---------|--|
| A ₁ | 20,5 mm | Distance from locating edge on carriage to locating edge on guideway |
| A ₂ | 13 mm | Distance from locating edge to hole |
| L ₁ | 128 mm | Carrier length |
| H ₁ | 14 mm | Free space, system dimension |
| J _B | 60 mm | Hole spacing |
| J _L | 80 mm | Hole Spacing |
| A ₃ | 8,5 mm | Position lubrication connector |
| T ₅ | 12 mm | Thread depth |
| G ₂ | M10 | Thread size, DIN ISO 4762-12.9 |
| G2 M _A | 81 Nm | Maximum tightening torque |

Additional information

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