

**KWLT30-ESC-V0-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 | 30 | |
| Carriage design | ESC | Short design |
| Preload | V0 | Slight clearance |
| Accuracy class | G3 | |

Main Dimensions & Performance Data

| | | |
|-----------------|----------|------------------------------------|
| H | 42 mm | Height system |
| B | 60 mm | Width carriage |
| L | 78 mm | Overall length carriage |
| C | 20.700 N | Dynamic load rating |
| C ₀ | 33.000 N | Basic static load capacity |
| M _{0x} | 530 Nm | Static moment rating about X-axis |
| M _{0y} | 260 Nm | Static moment rating about Y-axis |
| M _{0z} | 260 Nm | Static moment rating about Z-axis |
| M _{0x} | 312 Nm | Dynamic moment rating about X-axis |
| M _{0y} | 249 Nm | Dynamic moment rating about y-axis |
| M _{0z} | 249 Nm | Dynamic moment rating about Z-axis |
| ≈m | 0,53 kg | Weight |



Mounting dimensions

| | | |
|-------------------|--------|--|
| A ₁ | 16 mm | Distance from locating edge on carriage to locating edge on guideway |
| A ₂ | 10 mm | Distance from locating edge to hole |
| L ₁ | 45 mm | Carrier length |
| H ₁ | 9 mm | Free space, system dimension |
| J _B | 40 mm | Hole spacing |
| A ₃ | 8 mm | Position lubrication connector |
| T ₅ | 8,5 mm | Thread depth |
| G ₂ | M8 | Thread size, DIN ISO 4762-12.9 |
| G2 M _A | 40 Nm | Maximum tightening torque |

Additional information

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