

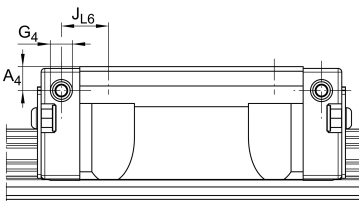
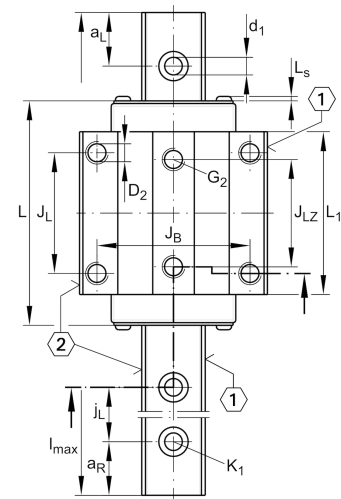


### KUVE30-B

#### Ball monorail guidance system

Carriages KWVE...-B, standard carriage, four-row, full complement ball set

### Technical information



### Your current product variant

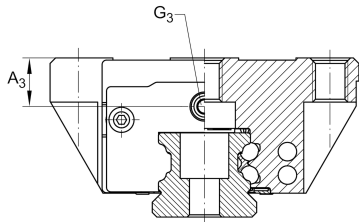
|                 |          |                   |
|-----------------|----------|-------------------|
| Size Code       | 30       |                   |
| Carriage design | Standard | Standard carriage |
| Version         | B        |                   |

### Main dimensions

|           |          |                                  |
|-----------|----------|----------------------------------|
| $l_{max}$ | 5.860 mm | Max length single piece guideway |
| H         | 42 mm    | Height system                    |
| B         | 90 mm    | Width carriage                   |
| L         | 99 mm    | Overall length carriage          |

### Technical data

|          |          |                                   |
|----------|----------|-----------------------------------|
| C        | 27.500 N | Dynamic load rating               |
| $C_0$    | 55.000 N | Static load rating                |
| $M_{0x}$ | 970 Nm   | Static moment rating about X axis |
| $M_{0y}$ | 700 Nm   | Static moment rating about Y axis |
| $M_{0z}$ | 700 Nm   | Static moment rating about Z axis |



### Mounting dimensions

|                    |           |  |
|--------------------|-----------|--|
| A <sub>1</sub>     | 31 mm     | Distance from locating edge on carriage to locating edge on guideway |
| J <sub>B</sub>     | 72 mm     |  |
| b                  | 28 mm     | Width rail   |
| Tol <sub>b</sub>   | -0,005 mm | Upper tolerance  |
| Tol <sub>b</sub>   | -0,03 mm  | Lower tolerance  |
| A <sub>2</sub>     | 9 mm      | Distance from locating edge to hole                                  |
| L <sub>1</sub>     | 72 mm     |  |
| L <sub>s</sub>     | 1,65 mm   |  |
| J <sub>L</sub>     | 52 mm     |  |
| J <sub>LZ</sub>    | 44 mm     |  |
| j <sub>L</sub>     | 80 mm     |  |
| a <sub>L min</sub> | 20 mm     |  |
| a <sub>L max</sub> | 71 mm     |  |
| a <sub>R min</sub> | 20 mm     |  |
| a <sub>R max</sub> | 71 mm     |  |
| H <sub>1</sub>     | 5,9 mm    | Free space, system dimension   |
| H <sub>4</sub>     | 13,8 mm   |  |
| H <sub>5</sub>     | 6,25 mm   |  |
| T <sub>5</sub>     | 12 mm     | Thread depth   |
| T <sub>6</sub>     | 11,5 mm   |  |
| h                  | 23,5 mm   |  |
| h <sub>1</sub>     | 11 mm     |  |
| G <sub>2</sub>     | M10       | Fixing screws  |
| G <sub>2 MA</sub>  | 41 Nm     | Maximum tightening torque  |
| K <sub>1</sub>     | M8        | Fixing screws  |
| K <sub>1 MA</sub>  | 41 Nm     | Maximum tightening torque  |
| K <sub>3</sub>     | M8        | Fixing screws  |
| K <sub>6</sub>     | M8        | Fixing screws  |

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: [Contact form](#)



View product details on medias

05.07.2026, 18:19:50 UTC

SCHAEFFLER

### Related products

---

KWVE30-B

Compatible with the following carriage

TKVD30

Suitable Guide Rail