



- 3 Type**
- ZL** Cylindrical
- KV** Convex
- 4 Identification no.**
- 1** With bore
- 2** Stud with external thread
- 3** Stud with internal thread

| 1 $d_1 -0,2$ | 2 $d_2 -0,02$ ld no. 1 | 2 d_3 ld no. 2 | 2 d_4 ld no. 3 | $b_1 -0,2$ | b_2 | d_5 | d_6 | l_1 | l_2 | l_3 | r | A/F Torx | t min. | Load capacity radial dynamic in N |
|---------------------|----------------------------------|----------------------------|----------------------------|------------|-------|-------|-------|-------|-------|-------|-----|-------------|-----------|---|
| 22 | B 5 | M 5 | M 4 | 7 | 5 | 8,5 | 9 | 1 | 7,5 | 9 | 55 | T10 | 7 | 400 |
| 25 | B 6 | M 5 | M 4 | 8 | 6 | 10,5 | 10 | 1 | 7,5 | 9 | 65 | T15 | 8 | 600 |
| 30 | B 8 | M 6 | M 5 | 10 | 7 | 12 | 12 | 1,5 | 9 | 9 | 75 | T25 | 10 | 800 |
| 35 | B 10 | M 8 | M 6 | 10 | 8 | 14 | 14 | 1,5 | 12 | 12 | 90 | T30 | 12 | 1000 |
| 42 | B 10 | M 8 | M 6 | 12 | 9 | 17 | 14 | 1,5 | 12 | 12 | 105 | T30 | 12 | 1200 |
| 50 | B 10 | M 8 | M 6 | 14 | 11 | 19 | 14 | 1,5 | 12 | 12 | 125 | T30 | 12 | 1500 |

Specification

- Outer race
Plastic, polyacetal (POM)
Operating temperature: -20 °C to 100 °C
- Ball bearing
 - Steel, 100Cr6, hardened
 - Covered (cover discs 2Z)
- Stud
Steel, zinc plated
- *Plastic Characteristics* → Page QVX
- RoHS

Information

Guide rollers GN 753.1 can be used as guides, bearings or supports for small to medium loads. They can also be used to create custom linear guide rail systems.

The radial load capacity rating given in the table should be understood as a guide value at which the guide rollers achieve a lifetime performance of at least 200,000 m. The conditions for achieving this lifetime performance are a speed of 0.4 m/s, a clean, dry, level, smooth and hard surface to roll against and an operating temperature between 15 °C and 30 °C. In general, the guide rollers should not be used under axial load.

- see also...
- *Guide Rollers GN 753* → Page QVX
 - *Cam Rollers GN 2426* → Page QVX

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|---|-------------------------------|
| How to order GN 753.1-22-M5-ZL-2 | 1 d_1 |
| | 2 d_3 (d_2, d_4) |
| | 3 Type |
| | 4 Identification no. |

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9

Application examples

