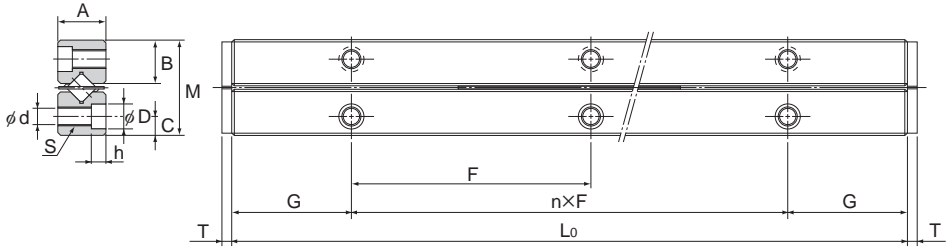


Cross Roller Guide Model VR (VR3)



| Model No. | Maximum stroke | Main | | | | | | | | |
|--------------|----------------|---------------------|---|----------------|----------|------|-----|-----|----|-----|
| | | Combined dimensions | | | Mounting | | | | | |
| | | M | A | L ₀ | n×F | G | B | C | S | d |
| VR 3- 50×7Z | 28 | 18 | 8 | 50 | 1×25 | 12.5 | 8.3 | 3.5 | M4 | 3.3 |
| VR 3- 75×10Z | 48 | | | 75 | 2×25 | | | | | |
| VR 3-100×14Z | 58 | | | 100 | 3×25 | | | | | |
| VR 3-125×17Z | 78 | | | 125 | 4×25 | | | | | |
| VR 3-150×21Z | 88 | | | 150 | 5×25 | | | | | |
| VR 3-175×24Z | 108 | | | 175 | 6×25 | | | | | |
| VR 3-200×28Z | 118 | | | 200 | 7×25 | | | | | |
| VR 3-225×31Z | 138 | | | 225 | 8×25 | | | | | |
| VR 3-250×35Z | 148 | | | 250 | 9×25 | | | | | |
| VR 3-275×38Z | 168 | | | 275 | 10×25 | | | | | |
| VR 3-300×42Z | 178 | | | 300 | 11×25 | | | | | |

Model number coding

VR3 -75 H × 9Z

Number of rollers or balls

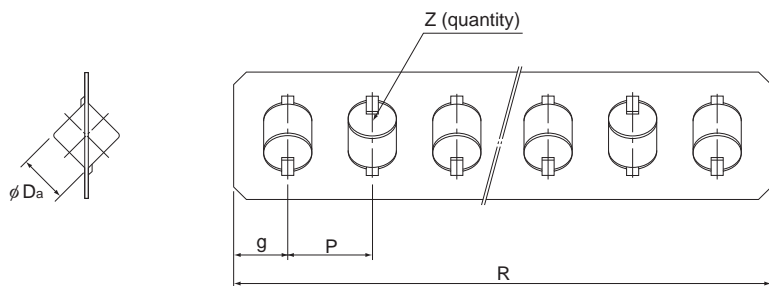
Accuracy symbol

Dedicated rail dimension in mm

(example of indication for a combination of different overall lengths: 100/125)

Combined model number (for Ball Guide: VB)

Note) "One set" in the model No. above indicates a combination of four rails and two cages.



Unit: mm

| dimensions | | | | | | | | Permissible preload δ μm | Basic load rating (per roller) | | Mass (rail) kg/m | |
|------------|-----|---|-------|-----|---|---|---------------------|---|-----------------------------------|----------------|------------------------|------|
| dimensions | | | | | | | No. of rollers Z | | C_z kN | C_{0z} kN | | |
| D | h | T | D_a | R | g | P | | | | | | |
| 6 | 3.1 | 2 | 3 | 36 | 3 | 3 | 5 | 7 | -4 | 0.639 | 0.611 | 0.45 |
| | | | | 51 | | | | 10 | | | | |
| | | | | 71 | | | | 14 | | | | |
| | | | | 86 | | | | 17 | | | | |
| | | | | 106 | | | | 21 | | | | |
| | | | | 121 | | | | 24 | | | | |
| | | | | 141 | | | | 28 | | | | |
| | | | | 156 | | | | 31 | | | | |
| | | | | 176 | | | | 35 | | | | |
| | | | | 191 | | | | 38 | | | | |
| | | | | 211 | | | 42 | | | | | |

Note) When desiring a Ball Guide in combination with a ball cage, refer to **A7-26** on Ball Cage Model B and indicate the required number of balls.

(Example) VB3-150H x 20Z

Number of balls

The mass in the table indicates the value per rail/m.

Stainless steel type with high corrosion resistance is also available. (symbol M, e.g., VR3M)