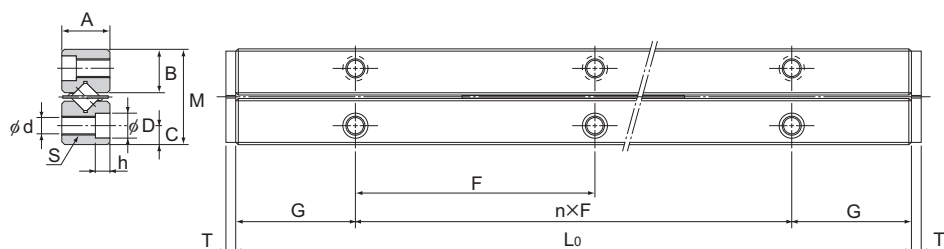


Cross-Roller Guide Model VR (VR2)



Model No.	Maximum stroke	Main								
		Combined dimensions			Mounting					
		M	A	L ₀	n × F	G	B	C	S	d
VR 2- 30 × 5Z	18	12	6	30	1 × 15	7.5	5.6	2.5	M3	2.55
VR 2- 45 × 8Z	24			45	2 × 15					
VR 2- 60 × 11Z	30			60	3 × 15					
VR 2- 75 × 13Z	44			75	4 × 15					
VR 2- 90 × 16Z	50			90	5 × 15					
VR 2-105 × 18Z	64			105	6 × 15					
VR 2-120 × 21Z	70			120	7 × 15					
VR 2-135 × 23Z	84			135	8 × 15					
VR 2-150 × 26Z	90			150	9 × 15					
VR 2-165 × 29Z	96			165	10 × 15					
VR 2-180 × 32Z	102			180	11 × 15					

Model number coding

VR2 -30 H × 6Z

Number of rollers or balls

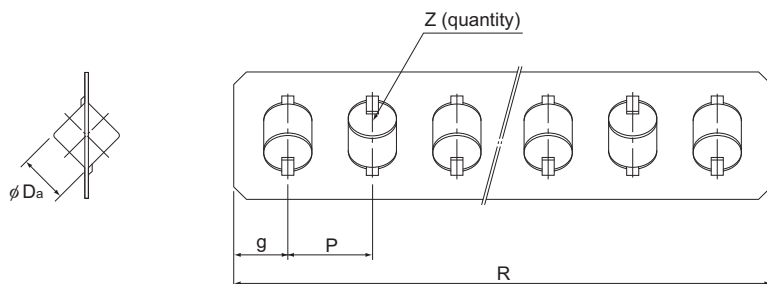
Accuracy symbol

Dedicated rail dimension in mm

(example of indication for a combination of different overall lengths: 90/105)

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	
	4.4	2	1.5	2	21	2.5	4	5	-3	0.276	0.271	0.23
					33			8				
					45			11				
					53			13				
					65			16				
					73			18				
					85			21				
					93			23				
					105			26				
					117			29				
					129			32				

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) VB2-90H x 15Z

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., VR2M)

To fix the dedicated rail of model VR2, use cross-recessed screws.

Model No.	Type	Nominal name of screw X pitch
For model VR2	Pan Head Screw	M2×0.4

Cross-recessed screw JIS B 1111 (pan head screw)