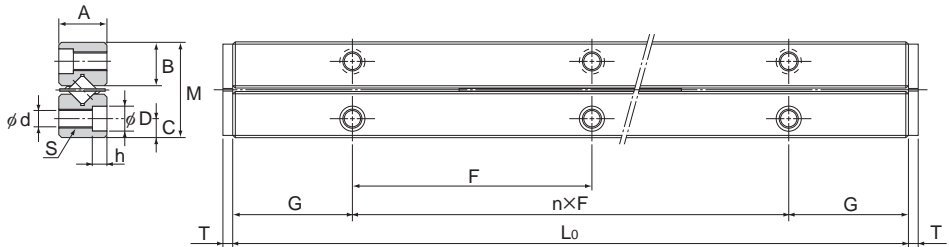


Cross Roller Guide Model VR (VR2)



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

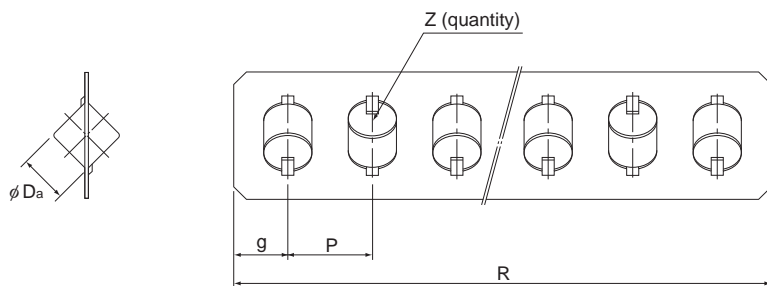
Accuracy symbol

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_{oz} kN	
D	h	T	D_a	R	g	P		Z			
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 for precision equipment (No. 0 screw).

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)