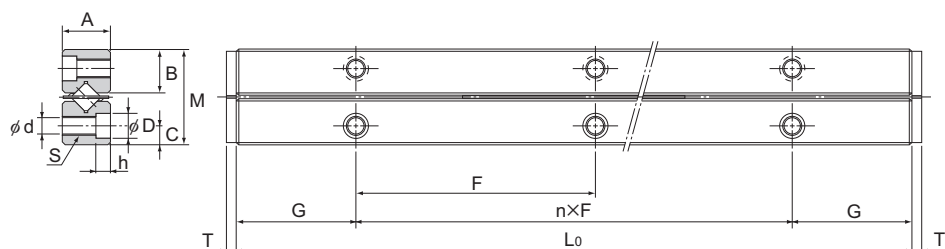


Cross-Roller Guide Model VR (VR4)



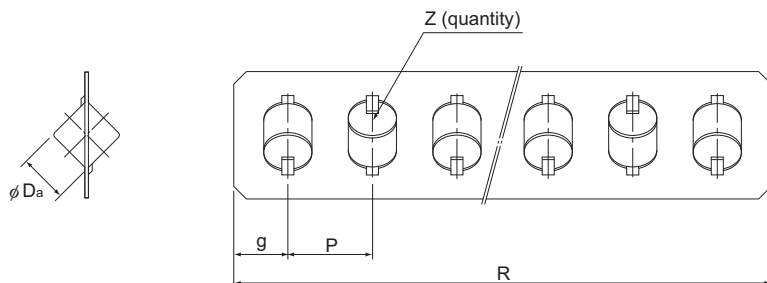
Model No.	Maximum stroke	Main								
		Combined dimensions			Mounting					
		M	A	L ₀	n×F	G	B	C	S	d
VR 4- 80×7Z	58	22	11	80	1×40	20	10.2	4.5	M5	4.3
VR 4-120×11Z	82			120	2×40					
VR 4-160×15Z	106			160	3×40					
VR 4-200×19Z	130			200	4×40					
VR 4-240×23Z	154			240	5×40					
VR 4-280×27Z	178			280	6×40					
VR 4-320×31Z	202			320	7×40					
VR 4-360×35Z	226			360	8×40					
VR 4-400×39Z	250			400	9×40					
VR 4-440×43Z	274			440	10×40					
VR 4-480×47Z	298			480	11×40					

Model number coding

VR4 -80 P × 9Z

Number of rollers or balls
 Accuracy symbol
 Dedicated rail dimension in mm
 (example of indication for a combination of different overall lengths: 120/160)
 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					
	8	4.2	2	4	51	4.5	7	7	-5	1.38	1.35	0.8
					79			11				
					107			15				
					135			19				
					163			23				
					191			27				
					219			31				
					247			35				
					275			39				
					303			43				
					331			47				

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) VB4-200H x 17Z

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., VR4M)