



Cross-Roller Guide with Cage Alignment System **VRG**



Adopts a rack and pinion system

Prevents cage misalignment

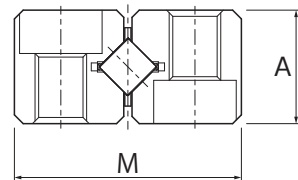
Long life and high rigidity

Interchangeable mounting dimensions

Adopts a proprietary rack and pinion system to prevent ball cage misalignment and achieve stable motion.

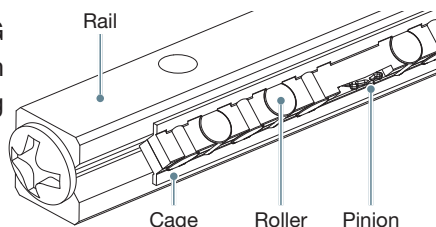
Features more rollers than its predecessor, the Model VR, and achieves a high basic load rating.

Possesses the same mounting dimensions as the Model VR.



■ Structure

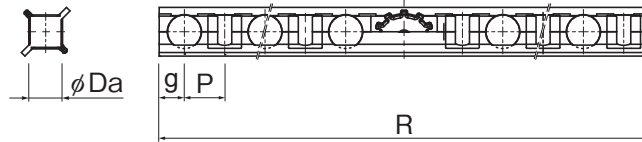
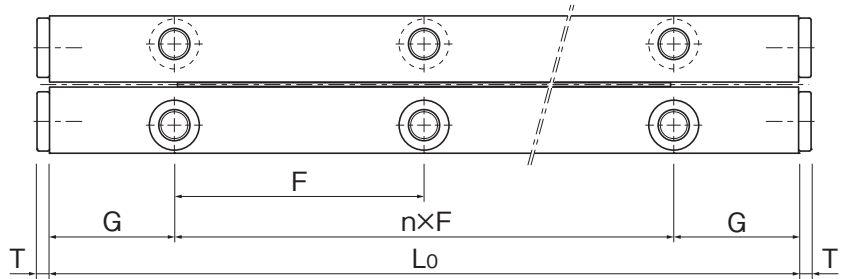
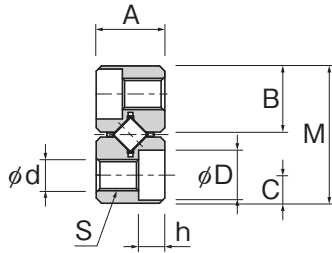
Similar to the VR, the VRG achieves light, smooth motion by not recirculating the rolling elements.



■ Lineup

Model	Rail length (mm)
VRG2M	30, 45, 60, 75, 90, 105
VRG3M	50, 75, 100, 125, 150
VRG4M	80, 120, 160, 200

■ Specification Table

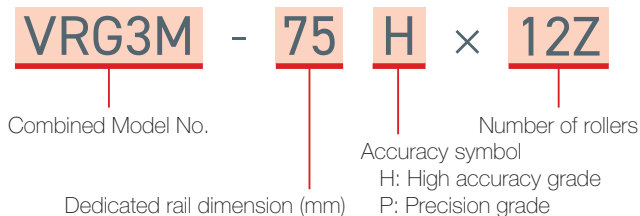


Unit: mm

Model	Max. stroke	Main dimensions															Permissible preload δ (μm)	Basic load rating		Weight/ 1 set (kg)			
		Combined dimensions			Mounting dimensions													Z	C		C ₀		
M	A	L ₀	n x F	G	B	C	S	d	D	h	T	Da	R	g	P	Z	C	C ₀					
VRG2M-30x6Z	13	12	6	30	1x15	7.5	5.6	2.5	M3	2.55	4.4	2	1.5	2	21.1	1.65	2.5	6	-3	1.15	1.63	0.029	
VRG2M-45x12Z	12			45	2x15										36.1					12	1.98	3.26	0.044
VRG2M-60x16Z	22			60	3x15										46.1					16	2.48	4.35	0.058
VRG2M-75x22Z	22			75	4x15										61.1					22	3.18	5.98	0.072
VRG2M-90x24Z	42			90	5x15										66.1					24	3.41	6.52	0.086
VRG2M-105x30Z	42			105	6x15										81.1					30	4.06	8.15	0.100
VRG3M-50x8Z	15	18	8	50	1x25	12.5	8.6	3.5	M4	3.3	6	3.1	2	3	38.7	2.5	3.7	8	-4	4.27	6.61	0.099	
VRG3M-75x12Z	35			75	2x25										53.5					12	5.88	9.92	0.147
VRG3M-100x18Z	41			100	3x25										75.7					18	8.07	14.9	0.196
VRG3M-125x22Z	61			125	4x25										90.5					22	9.44	18.2	0.243
VRG3M-150x28Z	66			150	5x25										112.7					28	11.4	23.1	0.292
VRG4M-80x10Z	34			22	11										80					1x40	20	10.6	4.5
VRG4M-120x16Z	57	120	2x40			87.1	16	15.3	27.6	0.401													
VRG4M-160x22Z	78	160	3x40			115.9	22	19.6	38.0	0.533													
VRG4M-200x28Z	101	200	4x40			144.7	28	23.6	48.4	0.665													

■ Model Number Coding

Select an option



Note: "1 set" for the above models indicates a single combination of 4 rails and 2 cages.

An "M" in the model number indicates the rail material is stainless steel.

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