



Specification

Model no.		Max. stroke (mm)	Main dimensions (mm)						Retainer dimensions (mm)					
Standard	Antirust		H	T	W	L	n*p	L1	L2	ØD	L3	R	P1	P2
GRV00-20	GRV00-20-S	17	6.2	3	2.9	20	1*10	5	0.7	Ø1	12.4	6	1.3	2
GRV00-30	GRV00-30-S	21				30	2*10				16.4	8		
GRV00-40	GRV00-40-S	25				40	3*10				20.4	10		
GRV00-50	GRV00-50-S	29				50	4*10				24.4	12		
GRV00-60	GRV00-60-S	33				60	5*10				28.4	14		
GRV00-70	GRV00-70-S	37				70	6*10				32.4	16		
GRV00-80	GRV00-80-S	41	80	7*10	36.4	18								
GRV01-20	GRV01-20-S	13	8.5	4	3.9	20	1*10	5	1.3	Ø1.5	15.8	5	1.9	3
GRV01-30	GRV01-30-S	21				30	2*10				21.8	7		
GRV01-40	GRV01-40-S	29				40	3*10				27.8	9		
GRV01-50	GRV01-50-S	37				50	4*10				33.8	11		
GRV01-60	GRV01-60-S	45				60	5*10				39.8	13		
GRV01-70	GRV01-70-S	53				70	6*10				45.8	15		
GRV01-80	GRV01-80-S	61	80	7*10	51.8	17								
GRV02-30	GRV02-30-S	24	12	6	5.5	30	1*15	7.5	1.5	Ø2	21.6	5	2.8	4
GRV02-45	GRV02-45-S	30				45	2*15				33.6	8		
GRV02-60	GRV02-60-S	44				60	3*15				41.6	10		
GRV02-75	GRV02-75-S	58				75	4*15				49.6	12		
GRV02-90	GRV02-90-S	72				90	5*15				57.6	14		
GRV02-105	GRV02-105-S	86				105	6*15				65.6	16		
GRV02-120	GRV02-120-S	100				120	7*15				73.6	18		
GRV02-135	GRV02-135-S	106				135	8*15				85.6	21		
GRV02-150	GRV02-150-S	120				150	9*15				93.6	23		
GRV02-165	GRV02-165-S	134				165	10*15				101.6	25		
GRV02-180	GRV02-180-S	148	180	11*15	109.6	27								

Ordering Example :	GR	V	01	40	S	P
	Roller	V rail	Roller dia.	Rail length	Antirust	Precision Level



Material specification

Material Model no.	Component	Rail	Roller	Retainer
GRV		SUJ2		SUS304
GRV - S		SUS440C +Ni	SUS440C	

GRV-S No Surface finished to V-groove surface of the rail.

Mounting dimensions (mm)					Load per roller			Weight (g) / 2 pieces	
A	M	d1	d2	B	Basic dynamic load rating	Basic static load rating	Allowable load	Standard	Antirust
1.2	M1.4	1.1	2.1	4	62N/1pcs	72N/1pcs	24N/1pcs	2.4	2.6
								3.5	3.8
								4.6	5
								5.7	6.2
								6.8	7.4
1.8	M2	1.65	3	1.4	125N/1pcs	144N/1pcs	48N/1pcs	7.9	8.6
								9	9.8
								4	4
								6	7
								8	9
2.5	M3	2.55	4.4	2	293N/1pcs	292N/1pcs	97N/1pcs	10	11
								12	13
								14	16
								16	17
								13	14
								20	21
								26	28
								32	35
								39	42
								45	48
51	55								
58	62								
64	69								
70	76								
77	82								