



Specification

Model no.		Max. stroke (mm)	Main dimensions (mm)										Retainer dimensions (mm)			
Standard	Antirust		H	T	L	n*p	W1	W2	L1	L2	N	ØD	L3	R	P1	P2
GRD01-20	GRD01-20-S	13	17	4	20	1*10	13.4	7.8	5	1.3	10	Ø1.5	15.8	5	1.9	3
GRD01-30	GRD01-30-S	21			30	2*10							21.8	7		
GRD01-40	GRD01-40-S	29			40	3*10							27.8	9		
GRD01-50	GRD01-50-S	37			50	4*10							33.8	11		
GRD01-60	GRD01-60-S	45			60	5*10							39.8	13		
GRD01-70	GRD01-70-S	53			70	6*10							45.8	15		
GRD01-80	GRD01-80-S	61			80	7*10							51.8	17		
GRD02-30	GRD02-30-S	24	24	6	30	1*15	19	11	7.5	1.5	15	Ø2	21.6	5	2.8	4
GRD02-45	GRD02-45-S	30			45	2*15							33.6	8		
GRD02-60	GRD02-60-S	44			60	3*15							41.6	10		
GRD02-75	GRD02-75-S	58			75	4*15							49.6	12		
GRD02-90	GRD02-90-S	72			90	5*15							57.6	14		
GRD02-105	GRD02-105-S	86			105	6*15							65.6	16		
GRD02-120	GRD02-120-S	100			120	7*15							73.6	18		
GRD02-135	GRD02-135-S	106			135	8*15							85.6	21		
GRD02-150	GRD02-150-S	120			150	9*15							93.6	23		
GRD02-165	GRD02-165-S	134			165	10*15							101.6	25		
GRD02-180	GRD02-180-S	148	180	11*15	109.6	27										

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



Material specification

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

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

Mounting dimensions (mm)						Load per roller			Weight (g) / 2 pieces	
T1	M	d1	d2	A	B	Basic dynamic load rating	Basic static load rating	Allowable load	Standard	Antirust
0.5	M2	1.65	3	2 <sup>+0.010</sup> <sub>0</sub>	1.4	125N/1pcs	144N/1pcs	48N/1pcs	9	9
									13	13
									17	18
									20	22
									24	26
									29	31
									33	35
0.5	M3	2.55	4.4	3 <sup>+0.010</sup> <sub>0</sub>	2	293N/1pcs	292N/1pcs	97N/1pcs	27	29
									40	43
									53	57
									66	70
									78	84
									91	98
									104	111
117	125									
130	139									
142	153									
155	166									