



Load per roller

N/1pcs

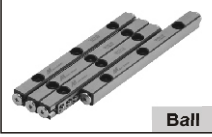
Roller dia.	Basic dynamic load rating (C)	Basic static load rating(Co)	Allowable load (Fu)
01	7.6	21	7.0
02	12.0	37	12.3
03	26.5	84	28.0
04	43.0	148	49.3
06	92.0	330	110.0

Order example

MGBV — 02 — 30 — P

Model

MGBV : SUS304 Retainer



Ball

Diameter

MGBV

01	φ 1.5
02	φ 2.0
03	φ 3.0
04	φ 4.0
06	φ 6.0

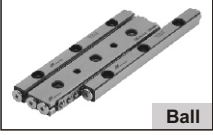
Rail length

20~600mm
(next table)

Precision level

H	High grade
P	Precision grade

MGBD : SUS304 Retainer



Ball

MGBD

01	φ 1.5
02	φ 2.0
03	φ 3.0
04	φ 4.0
06	φ 6.0

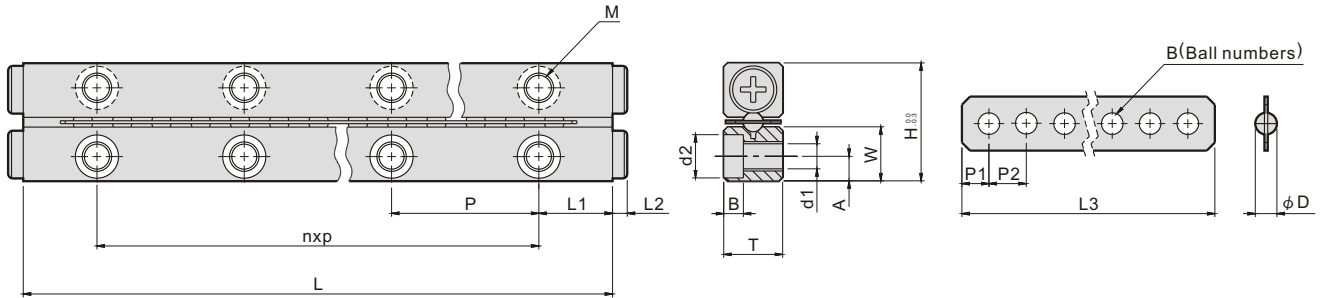
Rail length

Roller dia.	Rail length (mm)
01	20, 30, 40, 50, 60, 70, 80
02	30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180
03	50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300
04	80, 120, 160, 200, 240, 280, 320, 360, 400, 440, 480
06	100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600

Material

Indicate Model	Rail	Roller	Retainer
MGBV	SUJ2		C5191
MGBD			

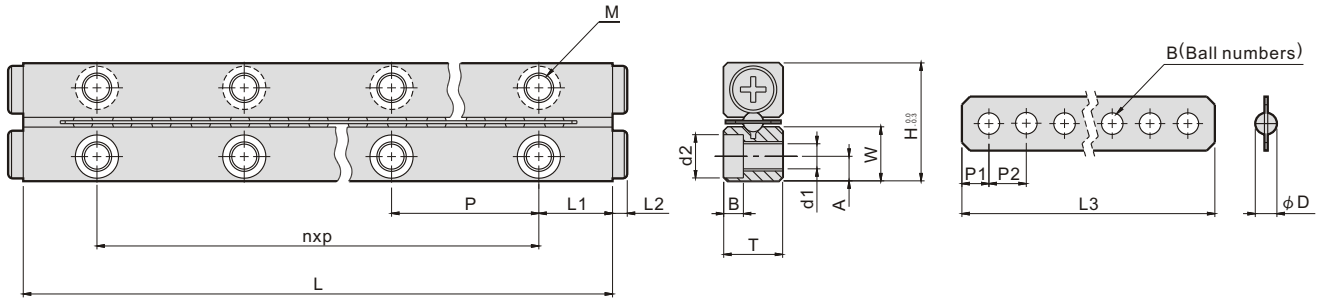
CROSSED ROLLER SLIDE RAIL SET



(mm)

Model	Max. stroke	Main dimensions					Retainer dimensions					Mounting dimensions					Weight (g)	
		H	T	W	n x p	L1	L2	ϕD	L3	B	P1	P2	A	M	d1	d2		b
01-20	13	8.5	4	3.9	1x10	5	1.3	$\phi 1.5$	15.5	5	1.75	3	1.8	M2	1.65	3	1.4	4
01-30	21				2x10				21.5	7								6
01-40	29				3x10				27.5	9								8
01-50	37				4x10				33.5	11								10
01-60	45				5x10				39.5	13								12
01-70	53				6x10				45.5	15								14
01-80	61				7x10				51.5	17								16
02-30	24	12	6	5.5	1x15	7.5	1.5	$\phi 2$	20.6	5	2.3	4	2.5	M3	2.55	4.4	2	13
02-45	30				2x15				32.6	8								20
02-60	44				3x15				40.6	10								26
02-75	58				4x15				48.6	12								32
02-90	72				5x15				56.6	14								39
02-105	86				6x15				64.6	16								45
02-120	100				7x15				72.6	18								51
02-135	106				8x15				84.6	21								58
02-150	120				9x15				92.6	23								64
02-165	134				10x15				100.6	25								70
02-180	148				11x15				108.6	27								77
03-50	34	18	8	8.3	1x25	12.5	2	$\phi 3$	35.7	7	2.86	5	3.5	M4	3.3	6	3.1	46
03-75	54				2x25				50.7	10								68
03-100	74				3x25				65.7	13								90
03-125	104				4x25				75.7	15								112
03-150	124				5x25				90.7	18								134
03-175	144				6x25				105.7	21								156
03-200	164				7x25				120.7	24								178
03-225	184				8x25				135.7	27								200
03-250	204				9x25				150.7	30								222
03-275	224				10x25				165.7	33								244
03-300	244				11x25				180.7	36								266

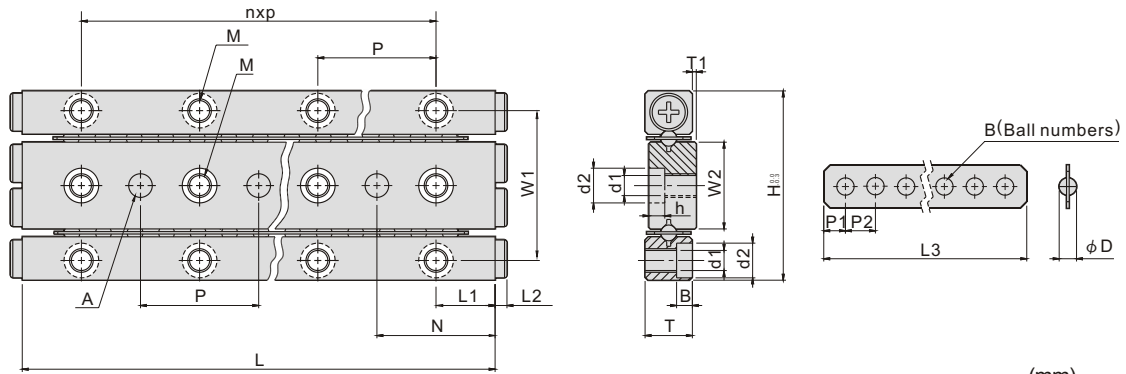
CROSSED ROLLER SLIDE RAIL SET



(mm)

Model	Max. stroke	Main dimensions					Retainer dimensions						Mounting dimensions					Weight (g)
		H	T	W	n x p	L1	L2	ϕD	L3	B	P1	P2	A	M	d1	d2	b	
04-80	54	22	11	10	1 x 40	20	2	$\phi 4$	56.8	8	3.9	7	4.5	M5	4.3	7.5	4.1	121
04-120	92				2 x 40				77.8	11								179
04-160	130				3 x 40				98.8	14								237
04-200	154				4 x 40				126.8	18								295
04-240	192				5 x 40				147.8	21								353
04-280	230				6 x 40				168.8	24								411
04-320	254				7 x 40				196.8	28								470
04-360	292				8 x 40				217.8	31								528
04-400	330				9 x 40				238.8	34								586
04-440	354				10 x 40				266.8	38								645
04-480	392				11 x 40				287.8	41								703
06-100	80	31	15	14	1 x 50	25	2	$\phi 6$	63.6	7	4.8	9	6	M6	5.3	9.5	5.2	287
06-150	108				2 x 50				99.6	11								429
06-200	154				3 x 50				126.6	14								571
06-250	200				4 x 50				153.6	17								712
06-300	246				5 x 50				180.6	20								852
06-350	274				6 x 50				216.6	24								993
06-400	320				7 x 50				243.6	27								1135
06-450	366				8 x 50				270.6	30								1275
06-500	412				9 x 50				297.6	33								1417
06-550	458				10 x 50				324.6	36								1558
06-600	486				11 x 50				360.6	40								1250

CROSSED ROLLER SLIDE RAIL SET



(mm)

Model	Max. stroke	Main dimensions								Retainer dimensions				Mounting dimensions						Weight (g) 2 pieces	
		H	T	$n \times p$	W1	W2	L1	L2	N	ϕD	L3	B	P1	P2	T1	M	d1	d2	A	B	Standard
01-20	13	17	4	1 × 10	13.4	7.8	5	1.3	10	$\phi 1.5$	15.5	5	1.75	3	0.5	M2	1.65	3	$2^{+0.010}_0$	1.4	9
01-30	21			2 × 10							21.5	7									13
01-40	29			3 × 10							27.5	9									16
01-50	37			4 × 10							33.5	11									20
01-60	45			5 × 10							39.5	13									24
01-70	53			6 × 10							45.5	15									28
01-80	61			7 × 10							51.5	17									33
02-30	24	24	6	1 × 15	19	11	7.5	1.5	15	$\phi 2$	20.6	5	2.3	4	0.5	M3	2.55	4.4	$3^{+0.010}_0$	2	27
02-45	30			2 × 10							32.6	8									40
02-60	44			3 × 10							40.6	10									53
02-75	58			4 × 10							48.6	12									66
02-90	72			5 × 10							56.6	14									78
02-105	86			6 × 10							64.6	16									91
02-120	100			7 × 10							72.6	18									104
02-135	106			8 × 15							84.6	21									117
02-150	120			9 × 15							92.6	23									129
02-165	134			10 × 15							100.6	25									142
02-180	148			11 × 15							108.6	27									155
03-50	34	36	8	1 × 25	29	16.6	12.5	2	25	$\phi 3$	35.7	7	2.86	5	0.5	M4	3.3	6	$4^{+0.012}_0$	3.1	94
03-75	54			2 × 25							50.7	10									139
03-100	74			3 × 25							65.7	13									183
03-125	104			4 × 25							75.7	15									228
03-150	124			5 × 25							90.7	18									272
03-175	144			6 × 25							105.7	21									317
03-200	164			7 × 25							120.7	24									361
03-225	184			8 × 25							135.7	27									406
03-250	204			9 × 25							150.7	30									450
03-275	224			10 × 25							165.7	33									495
03-300	244			11 × 25							180.7	36									539
04-80	54	44	11	1 × 40	35	20	20	2	40	$\phi 4$	56.8	8	3.9	7	0.5	M5	4.3	7.5	$5^{+0.012}_0$	4.1	247
04-120	92			2 × 40							77.8	11									365
04-160	130			3 × 40							98.8	14									483
04-200	154			4 × 40							126.8	18									601
04-240	192			5 × 40							147.8	21									720
04-280	230			6 × 40							168.8	24									838
04-320	254			7 × 40							196.8	28									957
04-360	292			8 × 40							217.8	31									1076
04-400	330			9 × 40							238.8	34									1194
04-440	354			10 × 40							266.8	38									1314
04-480	392			11 × 40							287.8	41									1432