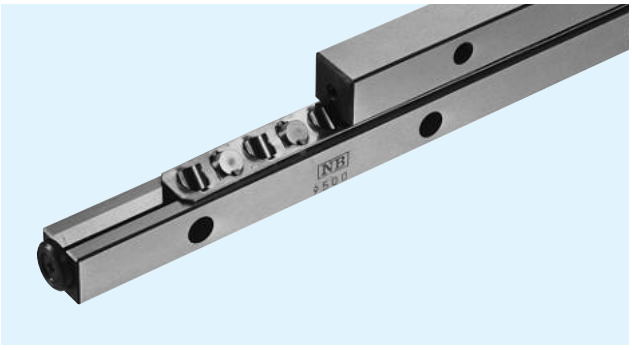

NB
3150
NB
3200

SV TYPE

– SV1/SV2 –



part number structure example

SVS 6 200 - RAS 20Z - UP

specification

SV	standard
SVS	anticorrosion

size

rail length

accuracy grade

blank	high
P	precision
UP	high-precision

number of rollers

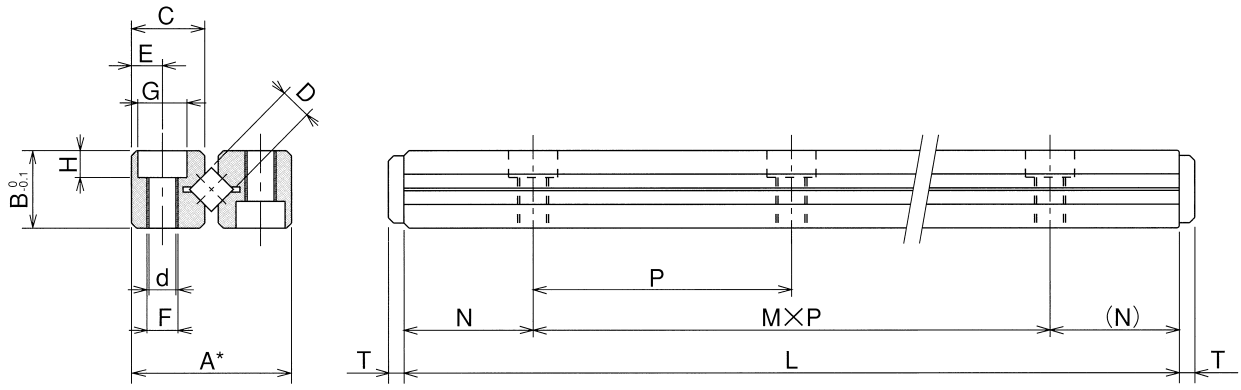
cage type

blank	standard cage
RA	aluminum cage standard roller
RAS	aluminum cage stainless roller

part number		stroke	roller diameter	number of rollers				
standard	anticorrosion	mm	D mm	Z	L mm	A mm	B mm	C mm
SV1020-5Z	**SVS1020-5Z**	12		5	20			
1030-7Z	**1030-7Z**	20		7	30			
1040-10Z	**1040-10Z**	27		10	40			
1050-13Z	**1050-13Z**	32	1.5	13	50	8.5	4	3.8
1060-16Z	**1060-16Z**	37		16	60			
1070-19Z	**1070-19Z**	42		19	70			
1080-21Z	**1080-21Z**	50		21	80			
SV2030-5Z	**SVS2030-5Z**	18		5	30			
2045-8Z	**2045-8Z**	24		8	45			
2060-11Z	**2060-11Z**	30		11	60			
2075-13Z	**2075-13Z**	44		13	75			
2090-16Z	**2090-16Z**	50		16	90			
2105-18Z	**2105-18Z**	64	2	18	105	12	6	5.5
2120-21Z	**2120-21Z**	70		21	120			
2135-23Z	**2135-23Z**	84		23	135			
2150-26Z	**2150-26Z**	90		26	150			
2165-29Z	**2165-29Z**	95		29	165			
2180-32Z	**2180-32Z**	100		32	180			

Maximum Rail Length (SV type only)

part number	Max.length
SV1	200mm
SV2	450mm



* high grade：$A^{0}_{-0.2}$　precision grade(P)：$A^{0}_{-0.1}$　high-precision grade(UP)：$A^{0}_{-0.1}$

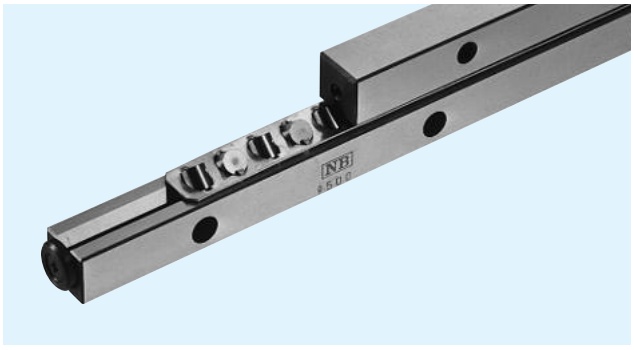
One set of components consists of 2 roller cages, 4 rails, and 8 end-pieces.

major dimensions								basic load rating		mass	size
M×P mm	N mm	E mm	F	d mm	G mm	H mm	T mm	dynamic C N	static Co N	mass g	size
1×10								340	312	11	**1020**
2×10								461	468	14	**1030**
3×10								676	780	18	**1040**
4×10	5	1.8	M2	1.65	3	1.4	0.8	776	936	22	**1050**
5×10								962	1,250	26	**1060**
6×10								1,050	1,400	30	**1070**
7×10								1,140	1,560	34	**1080**
1×15								594	588	28	**2030**
2×15								999	1,180	42	**2045**
3×15								1,180	1,470	55	**2060**
4×15								1,350	1,760	69	**2075**
5×15								1,680	2,350	83	**2090**
6×15	7.5	2.5	M3	2.55	4.4	2	2	1,840	2,650	96	**2105**
7×15								1,990	2,940	110	**2120**
8×15								2,130	3,230	123	**2135**
9×15								2,420	3,820	137	**2150**
10×15								2,560	4,120	151	**2165**
11×15								2,830	4,700	165	**2180**

1N≒0.102kgf

SV TYPE

– SV3/SV4 –



part number structure example

SVS | 6 | 200 - RAS | 20Z - UP

specification

SV	standard
SVS	anticorrosion

size

rail length

accuracy grade

blank	high
P	precision
UP	high-precision

number of rollers

cage type

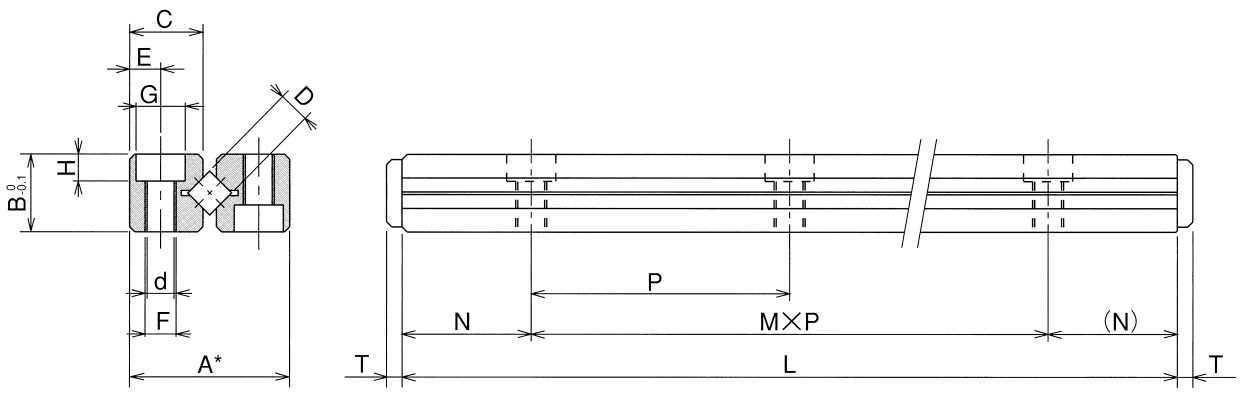
blank	standard cage
RA	aluminum cage standard roller
RAS	aluminum cage stainless roller

Refer to page H-19 for information on cage types.

part number		stroke	roller diameter	number of rollers				
standard	anticorrosion	mm	D mm	Z	L mm	A mm	B mm	C mm
SV3050-7Z	**SVS3050-7Z**	28		7	50			
3075-10Z	**3075-10Z**	48		10	75			
3100-14Z	**3100-14Z**	58		14	100			
3125-17Z	**3125-17Z**	78		17	125			
3150-21Z	**3150-21Z**	88		21	150			
3175-24Z	**3175-24Z**	105		24	175			
3200-28Z	**3200-28Z**	115	3	28	200	18	8	8.3
3225-31Z	**3225-31Z**	135		31	225			
3250-35Z	**3250-35Z**	145		35	250			
3275-38Z	**3275-38Z**	165		38	275			
3300-42Z	**3300-42Z**	175		42	300			
3325-45Z	**3325-45Z**	195		45	325			
3350-49Z	**3350-49Z**	205		49	350			
SV4080-7Z	**SVS4080-7Z**	58		7	80			
4120-11Z	**4120-11Z**	82		11	120			
4160-15Z	**4160-15Z**	105		15	160			
4200-19Z	**4200-19Z**	130		19	200			
4240-23Z	**4240-23Z**	150		23	240			
4280-27Z	**4280-27Z**	175	4	27	280	22	11	10.2
4320-31Z	**4320-31Z**	200		31	320			
4360-35Z	**4360-35Z**	225		35	360			
4400-39Z	**4400-39Z**	250		39	400			
4440-43Z	**4440-43Z**	270		43	440			
4480-47Z	**4480-47Z**	295		47	480			

Maximum Rail Length (SV type only)

part number	Max.length
SV6	1000mm



* high grade：$A^{0}_{-0.2}$　precision grade(P)：$A^{0}_{-0.1}$　high-precision grade(UP)：$A^{0}_{-0.1}$

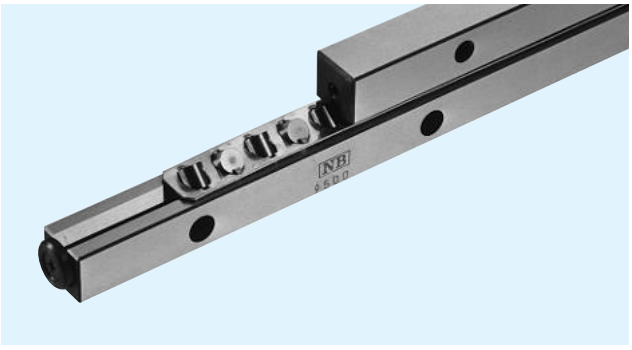
One set of components consists of 2 roller cages, 4 rails, and 8 end-pieces.

major dimensions								basic load rating		mass	size
M×P	N	E	F	d	G	H	T	dynamic C	static Co		
mm	mm	mm		mm	mm	mm	mm	N	N	g	
1×25								1,800	2,120	94	**3050**
2×25								2,640	3,530	135	**3075**
3×25								3,400	4,940	187	**3100**
4×25								3,760	5,650	234	**3125**
5×25								4,440	7,060	281	**3150**
6×25								5,100	8,470	327	**3175**
7×25	12.5	3.5	M4	3.3	6	3.1	2	5,720	9,880	374	**3200**
8×25								6,020	10,600	421	**3225**
9×25								6,620	12,000	468	**3250**
10×25								7,190	13,400	514	**3275**
11×25								7,750	14,800	561	**3300**
12×25								8,030	15,500	608	**3325**
13×25								8,570	16,900	655	**3350**
1×40								3,560	4,350	255	**4080**
2×40								5,220	7,250	385	**4120**
3×40								6,720	10,200	510	**4160**
4×40								8,120	13,100	635	**4200**
5×40								9,430	16,000	770	**4240**
6×40	20	4.5	M5	4.3	8	4.2	2	10,700	18,900	905	**4280**
7×40								11,900	21,800	1,020	**4320**
8×40								13,100	24,700	1,160	**4360**
9×40								14,200	27,600	1,280	**4400**
10×40								15,300	30,500	1,410	**4440**
11×40								16,400	33,400	1,540	**4480**

1N≒0.102kgf

SV TYPE

– SV6/SV9 –



part number structure example

SVS | 6 | 200 | - | RAS | 20Z | - | UP

specification

SV	standard
SVS	anticorrosion

size

rail length

accuracy grade

blank	high
P	precision
UP	high-precision

number of rollers

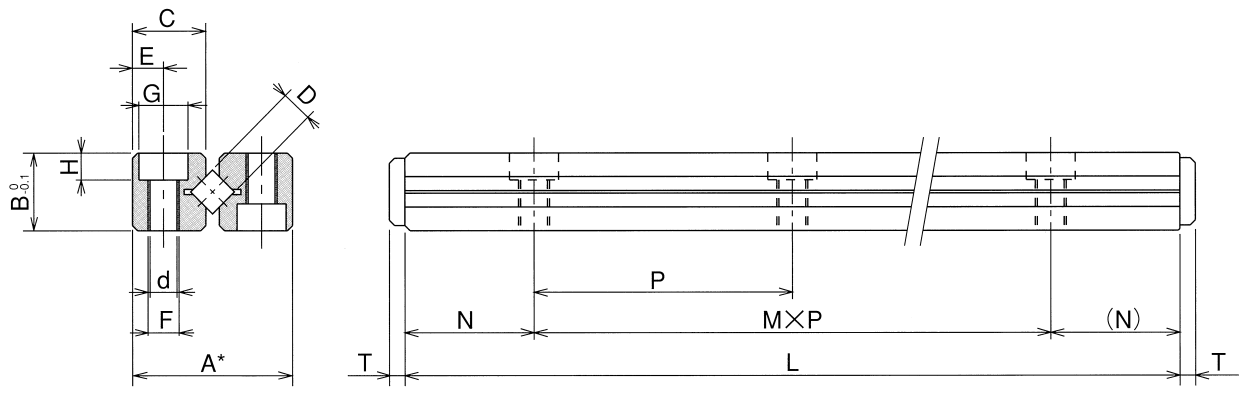
cage type

blank	standard cage
RA	aluminum cage standard roller
RAS	aluminum cage stainless roller

part number		stroke	roller diameter	number of rollers				
standard	anticorrosion	mm	D mm	Z	L mm	A mm	B mm	C mm
SV6100-8Z	**SVS6100-8Z**	55	6	8	100	31	15	14.2
6150-12Z	**6150-12Z**	85		12	150			
6200-16Z	**6200-16Z**	120		16	200			
6250-20Z	**6250-20Z**	150		20	250			
6300-24Z	**6300-24Z**	185		24	300			
6350-28Z	**6350-28Z**	215		28	350			
6400-32Z	**6400-32Z**	245		32	400			
6450-36Z	**6450-36Z**	280		36	450			
6500-40Z	**6500-40Z**	310		40	500			
6600-49Z	**6600-49Z**	360		49	600			
SV9200-10Z	–	115	9	10	200	44	22	20.2
9300-15Z	–	175		15	300			
9400-20Z	–	235		20	400			
9500-25Z	–	295		25	500			
9600-30Z	–	355		30	600			
9700-35Z	–	415		35	700			
9800-40Z	–	475		40	800			
9900-45Z	–	535		45	900			
91000-50Z	–	595		50	1,000			

Maximum Rail Length (SV type only)

part number	Max.length
SV3	700mm
SV4	700mm



* high grade : $A^{0}_{-0.2}$ precision grade(P) : $A^{0}_{-0.1}$ high-precision grade(UP) : $A^{0}_{-0.1}$

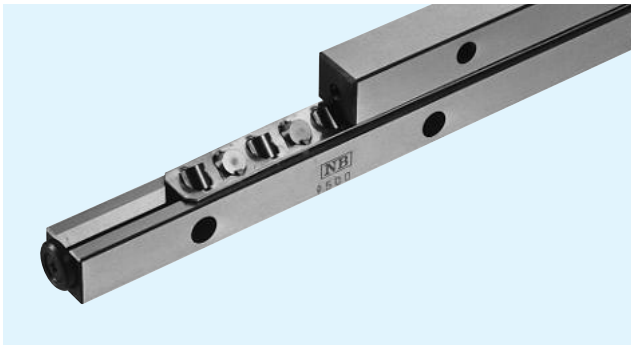
One set of components consists of 2 roller cages, 4 rails, and 8 end-pieces.

major dimensions								basic load rating		mass	size
M×P	N	E	F	d	G	H	T	dynamic C	static Co		
mm	mm	mm		mm	mm	mm	mm	N	N	g	
1×50	25	6	M6	5.2	9.5	5.2	3	10,900	14,500	628	**6100**
2×50								14,700	21,700	942	**6150**
3×50								18,300	29,000	1,260	**6200**
4×50								21,600	36,200	1,570	**6250**
5×50								24,800	43,400	1,880	**6300**
6×50								27,800	50,700	2,200	**6350**
7×50								30,700	57,900	2,510	**6400**
8×50								33,600	65,200	2,830	**6450**
9×50								36,300	72,400	3,140	**6500**
11×50								41,600	86,900	3,770	**6600**
1×100	50	9	M8	6.8	10.5	6.2	4	25,300	36,300	2,720	**9200**
2×100								32,500	50,800	4,030	**9300**
3×100								42,500	72,600	5,380	**9400**
4×100								48,700	87,100	6,700	**9500**
5×100								57,600	109,000	8,050	**9600**
6×100								63,300	123,000	9,230	**9700**
7×100								71,500	145,000	10,500	**9800**
8×100								76,800	160,000	11,900	**9900**
9×100								84,500	182,000	13,000	**91000**

1N≒0.102kgf

SV TYPE

– SV12 –



part number structure example

SVS 6 200 - RAS 20Z - UP

specification

SV	standard
SVS	anticorrosion

size

rail length

accuracy grade

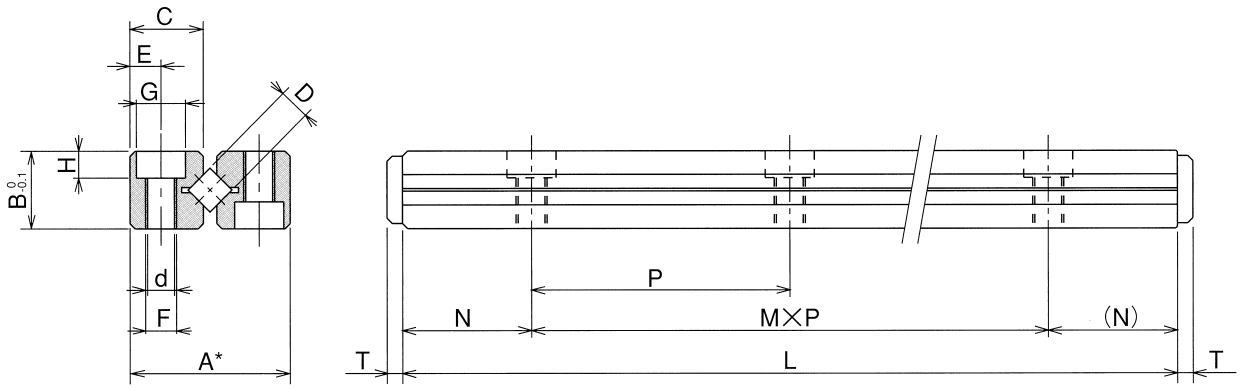
blank	high
P	precision
UP	high-precision

number of rollers

cage type

blank	standard cage
RA	aluminum cage standard roller
RAS	aluminum cage stainless roller

part number		stroke	roller diameter	number of rollers				
standard	anticorrosion	mm	D mm	Z	L mm	A mm	B mm	C mm
SV12300-10Z	–	200	12	10	300	58	28	27
12400-14Z	–	240		14	400			
12500-17Z	–	320		17	500			
12600-21Z	–	360		21	600			
12700-24Z	–	440		24	700			
12800-28Z	–	480		28	800			
12900-31Z	–	560		31	900			
121000-34Z	–	640		34	1,000			
121100-38Z	–	680		38	1,100			
121200-42Z	–	720		42	1,200			



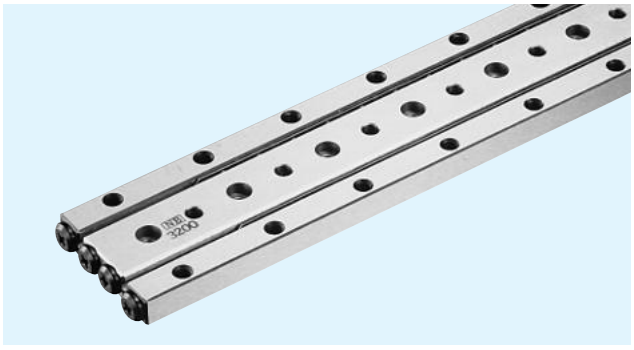
* high grade：$A^{0}_{-0.2}$　precision grade(P)：$A^{0}_{-0.1}$　high-precision grade(UP)：$A^{0}_{-0.1}$

One set of components consists of 2 roller cages, 4 rails, and 8 end-pieces.

major dimensions								basic load rating		mass	size
M×P mm	N mm	E mm	F	d mm	G mm	H mm	T mm	dynamic C N	static Co N	 g	
2×100	50	12	M10	8.5	13.5	8.2	4	42,700	73,500	6,880	**12300**
3×100								55,000	103,000	9,090	**12400**
4×100								60,800	118,000	11,400	**12500**
5×100								71,800	147,000	13,700	**12600**
6×100								82,400	176,000	15,800	**12700**
7×100								92,400	206,000	18,200	**12800**
8×100								97,400	221,000	20,500	**12900**
9×100								107,000	250,000	22,800	**121000**
10×100								116,000	279,000	25,000	**121100**
11×100								125,000	309,000	27,300	**121200**

1N≒0.102kgf

SVW TYPE



part number structure example

SVWS | 4 | 200 - RAS | 19Z - UP

specification

SVW	standard
SVWS	anticorrosion

size

rail length

accuracy grade

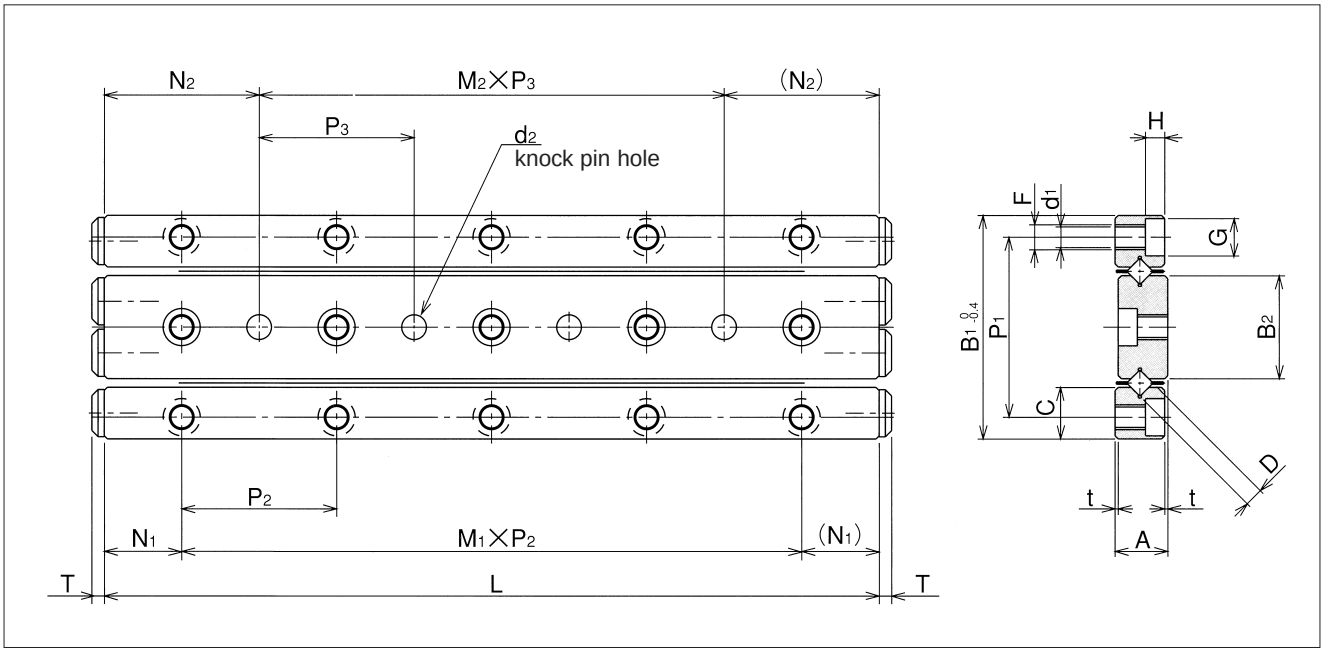
blank	high
P	precision
UP	high-precision

number of rollers

cage type

blank	standard cage
RA	aluminum cage standard roller
RAS	aluminum cage stainless roller

part number		stroke	roller diameter	number of rollers								
standard	anticorrosion		D	Z	L	A	t	B_1	B_2	C	P_1	$M_1 \times P_2$
		mm	mm		mm	mm	mm	mm	mm	mm	mm	mm
SVW1020- 5Z	**SVWS1020- 5Z**	12		5	20							1×10
1030- 7Z	**1030- 7Z**	20		7	30							2×10
1040-10Z	**1040-10Z**	27		10	40							3×10
1050-13Z	**1050-13Z**	32	1.5	13	50	4.5	0.5	17	7.6	3.8	13.4	4×10
1060-16Z	**1060-16Z**	37		16	60							5×10
1070-19Z	**1070-19Z**	42		19	70							6×10
1080-21Z	**1080-21Z**	50		21	80							7×10
SVW2030- 5Z	**SVWS2030- 5Z**	18		5	30							1×15
2045- 8Z	**2045- 8Z**	24		8	45							2×15
2060-11Z	**2060-11Z**	30		11	60							3×15
2075-13Z	**2075-13Z**	44	2	13	75	6.5	0.5	24	11	5.5	19	4×15
2090-16Z	**2090-16Z**	50		16	90							5×15
2105-18Z	**2105-18Z**	64		18	105							6×15
2120-21Z	**2120-21Z**	70		21	120							7×15
SVW3050- 7Z	**SVWS3050- 7Z**	28		7	50							1×25
3075-10Z	**3075-10Z**	48		10	75							2×25
3100-14Z	**3100-14Z**	58		14	100							3×25
3125-17Z	**3125-17Z**	78	3	17	125	8.5	0.5	36	16.6	8.3	29	4×25
3150-21Z	**3150-21Z**	88		21	150							5×25
3175-24Z	**3175-24Z**	105		24	175							6×25
3200-28Z	**3200-28Z**	115		28	200							7×25
SVW4080- 7Z	**SVWS4080- 7Z**	58		7	80							1×40
4120-11Z	**4120-11Z**	82		11	120							2×40
4160-15Z	**4160-15Z**	105	4	15	160	11.5	0.5	44	20.4	10.2	35	3×40
4200-19Z	**4200-19Z**	130		19	200							4×40
4240-23Z	**4240-23Z**	150		23	240							5×40
4280-27Z	**4280-27Z**	175		27	280							6×40

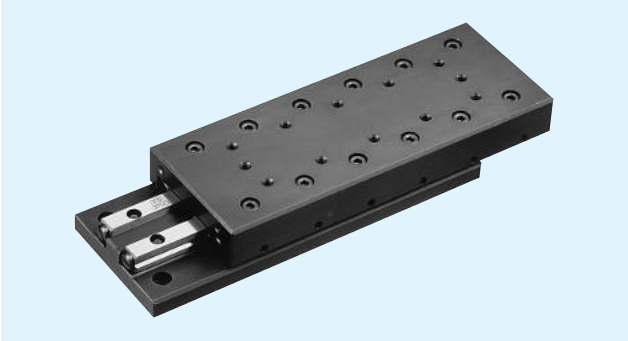


major dimensions									basic load rating		mass	size
N_1 mm	F	d_1 mm	G mm	H mm	$M_2 \times P_3$ mm	N_2 mm	d_2 mm	T mm	dynamic C N	static Co N	g	
5	M2	1.65	3	1.4	–	10	2	1	340	312	11	**1020**
					1×10				461	468	14	**1030**
					2×10				676	780	18	**1040**
					3×10				776	936	22	**1050**
					4×10				962	1,250	26	**1060**
					5×10				1,050	1,400	30	**1070**
					6×10				1,140	1,560	34	**1080**
7.5	M3	2.55	4.4	2	–	15	3	2	594	588	28	**2030**
					1×15				999	1,180	42	**2045**
					2×15				1,180	1,470	55	**2060**
					3×15				1,350	1,760	69	**2075**
					4×15				1,680	2,350	83	**2090**
					5×15				1,840	2,650	96	**2105**
					6×15				1,990	2,940	110	**2120**
12.5	M4	3.3	6	3.1	–	25	4	2	1,800	2,120	94	**3050**
					1×25				2,640	3,530	135	**3075**
					2×25				3,400	4,940	187	**3100**
					3×25				3,760	5,650	234	**3125**
					4×25				4,440	7,060	281	**3150**
					5×25				5,100	8,470	327	**3175**
					6×25				5,720	9,880	374	**3200**
20	M5	4.3	8	4.2	–	40	5	2	3,560	4,350	255	**4080**
					1×40				5,220	7,250	385	**4120**
					2×40				6,720	10,200	510	**4160**
					3×40				8,120	13,100	635	**4200**
					4×40				9,430	16,000	770	**4240**
					5×40				10,700	18,900	905	**4280**

1N≒0.102kgf

SVT TYPE

– SVT1/SVT2 –



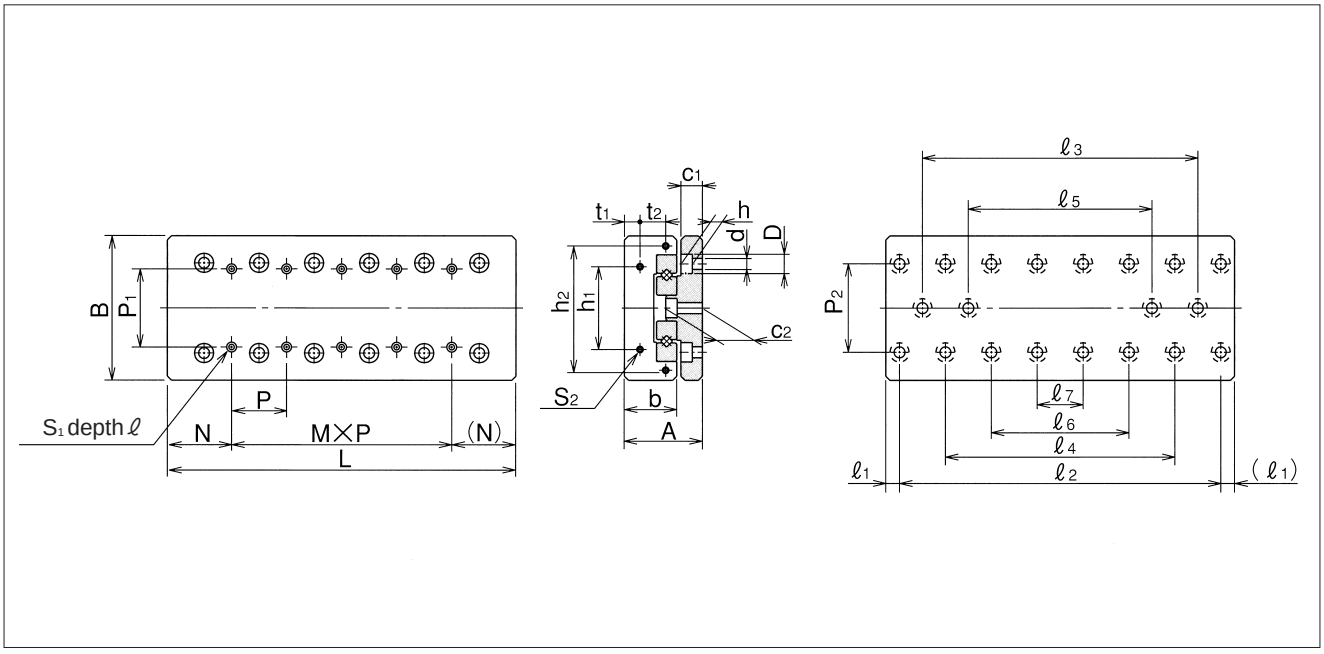
part number structure example

SVTS | 6 | 210

- SVTS: specification
- 6: size
- 210: over-all length

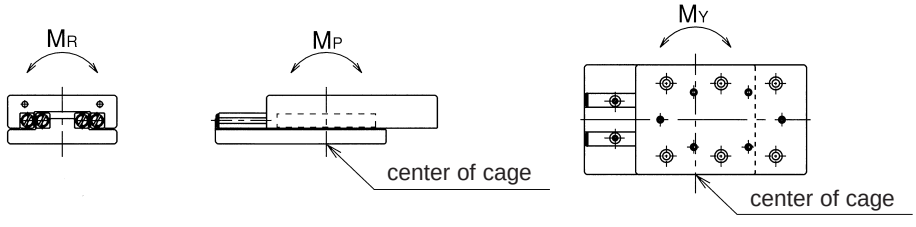
specification	
SVT	standard
SVTS	anticorrosion

part number		stroke	major dimensions				table-top mounting-hole dimensions					table-end mounting-hole dimensions					
standard	anticorrosion	mm	A mm	B mm	L mm	b mm	P_1 mm	S_1	ℓ mm	N mm	M×P mm	h_1 mm	h_2 mm	t_1 mm	t_2 mm	S_2	P_2 mm
SVT1025	**SVTS1025**	12			25						—						
1035	**1035**	18			35						1×10						
1045	**1045**	25			45						2×10						
1055	**1055**	32	$17^{\pm 0.1}$	$30^{-0.2}_{-0.4}$	55	11	10	M2	4	12.5	3×10	12	–	2.5	–	M2	22
1065	**1065**	40			65						4×10						
1075	**1075**	45			75						5×10						
1085	**1085**	50			85						6×10						
SVT2035	**SVTS2035**	18			35						—						
2050	**2050**	30			50						1×15						
2065	**2065**	40			65						2×15						
2080	**2080**	50			80						3×15						
2095	**2095**	60			95						4×15						
2110	**2110**	70	$21^{\pm 0.1}$	$40^{-0.2}_{-0.4}$	110	14	15	M3	6	17.5	5×15	16	–	3.4	–	M2	30
2125	**2125**	80			125						6×15						
2140	**2140**	90			140						7×15						
2155	**2155**	100			155						8×15						
2170	**2170**	110			170						9×15						
2185	**2185**	120			185						10×15						



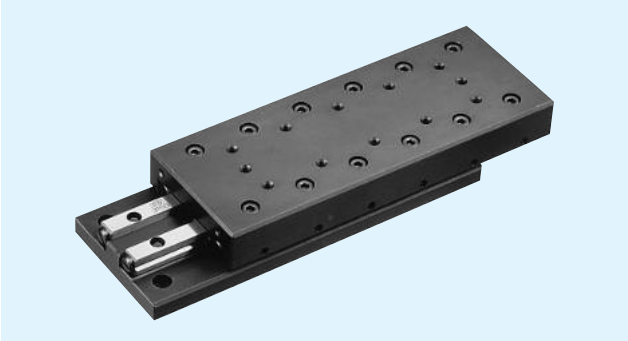
bed-surface mounting-hole dimensions										accuracy※		basic load rating		allowable static moment			mass		size
												dynamic	static				SVT	SVTS	
d×D×h	c_1	c_2	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	T	S	C	Co	M_P	M_Y	M_R			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	μm	μm	N	N	N·m	N·m	N·m	g	g	
				18	–	–	–	–	–	2	4	340	312	1.1	1.0	2.1	82	36	**1025**
				28	–	–	–	–	–	2	4	572	624	2.0	2.3	4.2	120	50	**1035**
				38	–	–	–	–	–	2	4	676	780	4.6	4.3	5.3	158	69	**1045**
2.5×4.5×2.5	5.5	9	3.5	48	–	28	–	–	–	2	5	776	936	6.3	5.9	6.3	190	83	**1055**
				58	–	38	–	–	–	2	5	871	1,090	8.3	7.8	7.3	225	98	**1065**
				68	–	48	–	–	–	2	5	1,050	1,400	13	12.4	9.5	260	113	**1075**
				78	–	58	–	–	–	2	5	1,140	1,560	15.7	15.0	10.5	295	128	**1085**
				25	–	–	–	–	–	2	4	594	588	3.5	2.9	5.3	195	90	**2035**
				40	–	–	–	–	–	2	4	805	882	6.1	5.5	7.9	280	133	**2050**
				55	–	–	–	–	–	2	5	999	1,180	9.7	8.8	10.6	370	175	**2065**
				70	–	40	–	–	–	2	5	1,350	1,760	14	15.3	15.9	450	220	**2080**
				85	–	55	–	–	–	2	5	1,520	2,060	19.1	20.6	18.5	540	250	**2095**
3.5×6.5×3.5	6.5	10.9	5	100	–	70	–	–	–	3	6	1,680	2,350	31.7	30.0	21.2	630	285	**2110**
				115	–	85	–	–	–	3	6	1,840	2,650	39.1	37.2	23.8	720	330	**2125**
				130	–	100	–	70	–	3	6	2,130	3,230	47.3	49.6	29.1	800	360	**2140**
				145	–	115	–	85	–	3	6	2,280	3,530	56.3	58.8	31.8	880	400	**2155**
				160	–	130	–	100	–	3	7	2,420	3,820	76.7	74.1	34.4	970	440	**2170**
				175	–	145	–	115	85	3	7	2,560	4,120	88.1	85.3	37.0	1,060	480	**2185**

1N≒0.102kgf　1N·m≒0.102kgf·m



SVT TYPE

– SVT3/SVT4 –



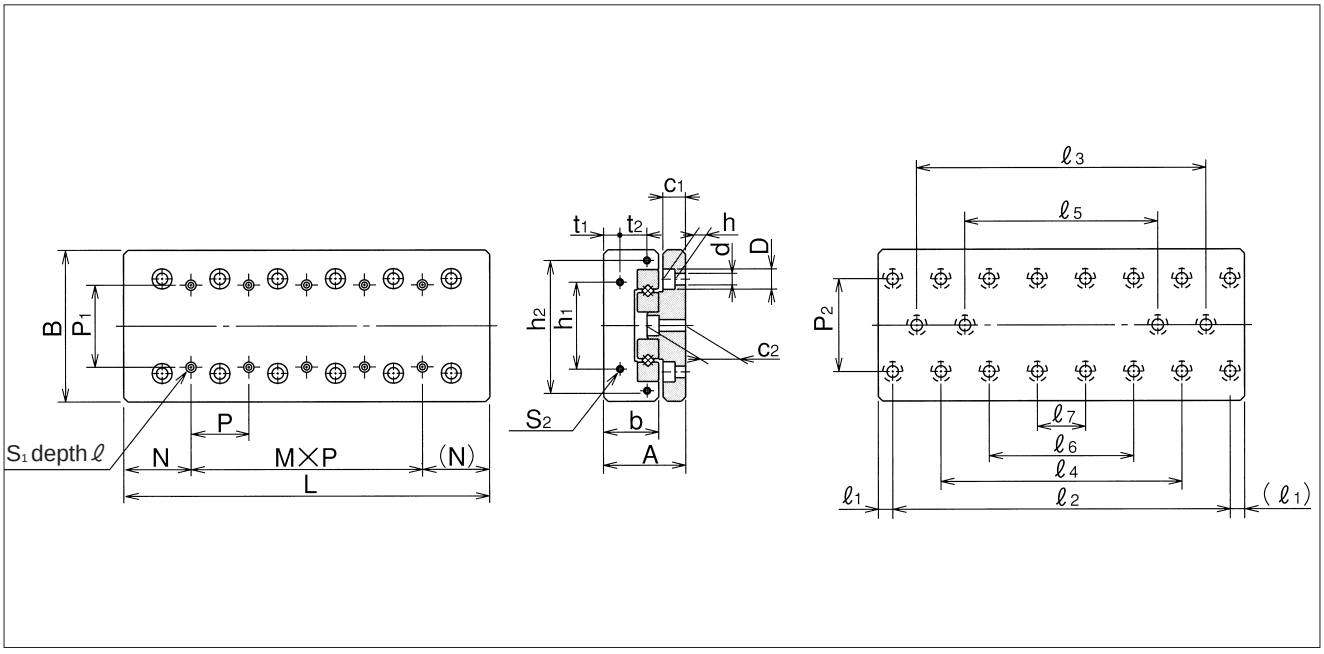
part number structure example

SVTS | 6 | 210

- SVTS: specification
- 6: size
- 210: over-all length

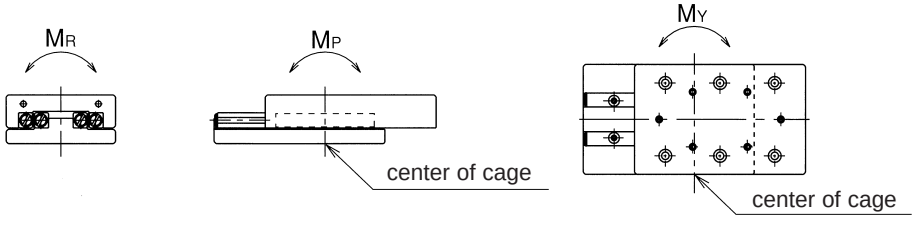
specification	
SVT	standard
SVTS	anticorrosion

part number		stroke	major dimensions				table-top mounting-hole dimensions					table-end mounting-hole dimensions					
standard	anticorrosion	mm	A mm	B mm	L mm	b mm	P_1 mm	S_1	ℓ mm	N mm	M×P mm	h_1 mm	h_2 mm	t_1 mm	t_2 mm	S_2	P_2 mm
SVT3055	**SVTS3055**	30			55						–						
3080	**3080**	45			80						1×25						
3105	**3105**	60			105						2×25						
3130	**3130**	75			130						3×25						
3155	**3155**	90			155						4×25						
3180	**3180**	105	$28^{\pm0.1}$	$60^{\pm0.1}$	180	18.5	25	M4	8	27.5	5×25	40	–	5.5	–	M3	40
3205	**3205**	130			205						6×25						
3230	**3230**	155			230						7×25						
3255	**3255**	180			255						8×25						
3280	**3280**	205			280						9×25						
3305	**3305**	230			305						10×25						
SVT4085	**SVTS4085**	50			85						–						
4125	**4125**	75			125						1×40						
4165	**4165**	105			165						2×40						
4205	**4205**	130			205						3×40						
4245	**4245**	155	$35^{\pm0.1}$	$80^{\pm0.1}$	245	24	40	M5	10	42.5	4×40	55	–	6.5	–	M3	55
4285	**4285**	185			285						5×40						
4325	**4325**	210			325						6×40						
4365	**4365**	235			365						7×40						
4405	**4405**	265			405						8×40						



bed-surface mounting-hole dimensions										accuracy※		basic load rating		allowable static moment			mass		size
												dynamic	static				SVT	SVTS	
d×D×h	c_1	c_2	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	T	S	C	Co	M_P	M_Y	M_R			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	μm	μm	N	N	N・m	N・m	N・m	g	g	
				35	–	–	–	–	–	2	5	1,800	2,120	10.6	12.4	29.7	640	300	**3055**
				60	–	–	–	–	–	2	5	2,640	3,530	29.2	32.4	49.4	955	440	**3080**
				85	–	–	–	–	–	3	6	3,030	4,240	57.4	53.5	59.3	1,250	580	**3105**
				110	–	–	–	–	–	3	6	3,760	5,650	95.1	90.0	79.1	1,570	715	**3130**
				135	85	–	–	–	–	3	6	4,440	7,060	117	124	98.8	1,850	850	**3135**
4.5×8×4.5	9	15	10	160	110	–	–	–	–	3	7	5,100	8,470	169	177	119	2,150	990	**3180**
				185	135	85	–	–	–	3	7	5,410	9,180	199	207	129	2,450	1,130	**3205**
				210	160	110	–	–	–	3	7	5,720	9,880	264	256	138	2,740	1,270	**3230**
				235	185	135	–	–	–	3	7	6,320	11,300	301	311	158	3,040	1,410	**3255**
				260	210	160	110	–	–	3	7	6,620	12,000	340	350	168	3,360	1,540	**3280**
				285	235	185	135	–	–	3	7	6,910	12,700	425	414	178	3,660	1,680	**3305**
				65	–	–	–	–	–	2	5	3,560	4,350	52.8	47.4	87.0	1,700	780	**4085**
				105	–	–	–	–	–	3	6	5,220	7,250	121	112	145	2,500	1,140	**4125**
				145	–	–	–	–	–	3	7	6,720	10,200	165	178	203	3,300	1,510	**4165**
				185	105	–	–	–	–	3	7	8,120	13,100	273	289	261	4,100	1,870	**4205**
5.5×10×5.4	10.5	18	10	225	145	–	–	–	–	3	7	9,430	16,000	409	428	319	4,900	2,240	**4245**
				265	185	–	–	–	–	3	7	10,700	18,900	571	594	377	5,700	2,600	**4285**
				305	225	145	–	–	–	4	8	11,900	21,800	760	787	435	6,500	3,000	**4325**
				345	265	185	–	–	–	4	8	13,100	24,700	977	1,010	493	7,300	3,300	**4365**
				385	305	225	–	–	–	4	8	13,600	26,100	1,220	1,190	522	8,100	3,700	**4405**

1N≒0.102kgf　1N・m≒0.102kgf・m



SVT TYPE

– SVT6/SVT9 –



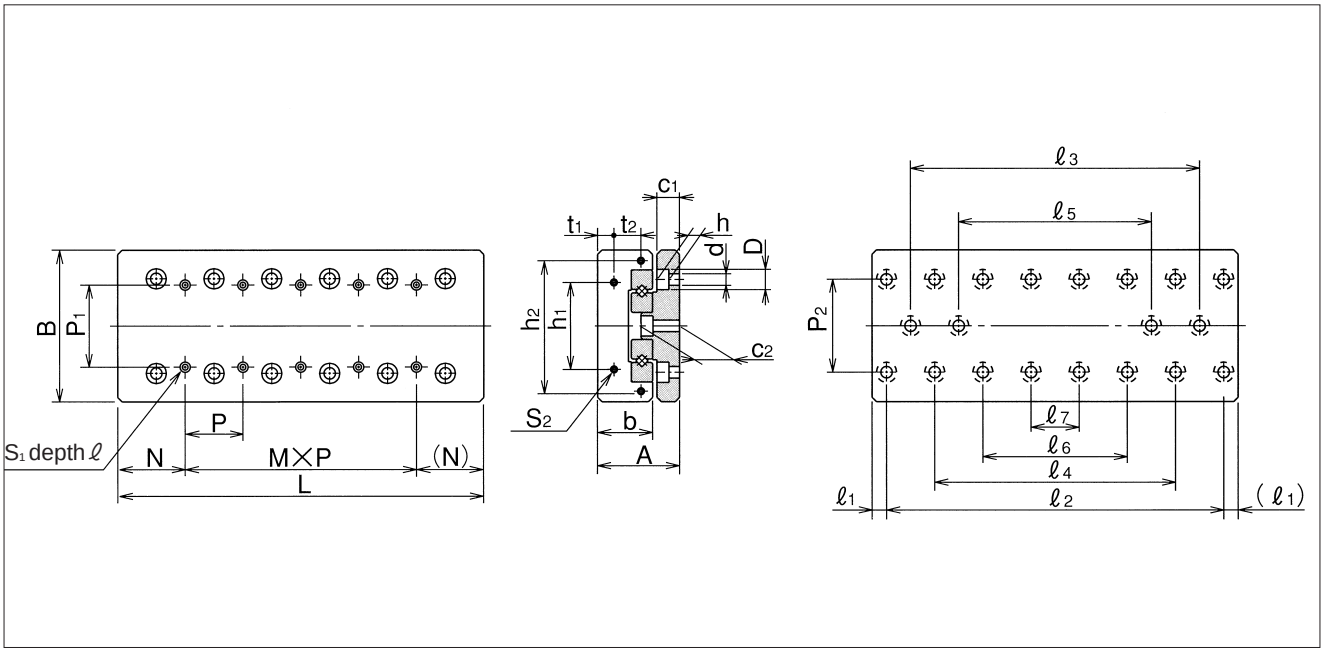
part number structure example

SVTS | 6 | 210

- SVTS: specification
- 6: size
- 210: over-all length

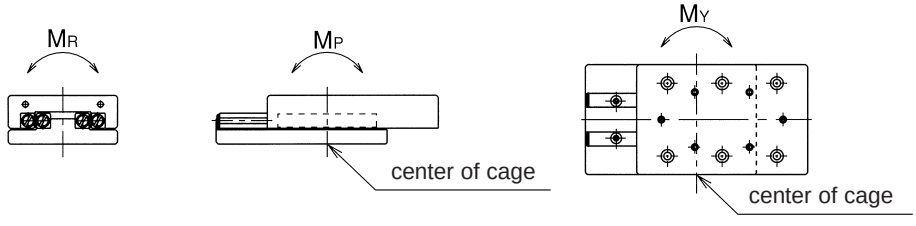
specification	
SVT	standard
SVTS	anticorrosion

part number		stroke	major dimensions				table-top mounting-hole dimensions					table-end mounting-hole dimensions					
standard	anticorrosion	mm	A mm	B mm	L mm	b mm	P_1 mm	S_1	ℓ mm	N mm	M×P mm	h_1 mm	h_2 mm	t_1 mm	t_2 mm	S_2	P_2 mm
SVT6110	**SVTS6110**	60			110						–						
6160	**6160**	95			160						1×50						
6210	**6210**	130			210						2×50						
6260	**6260**	165			260						3×50						
6310	**6310**	200	$45^{\pm0.1}$	$100^{\pm0.1}$	310	31	50	M6	12	55	4×50	60	92	8	15	M4	60
6360	**6360**	235			360						5×50						
6410	**6410**	265			410						6×50						
6460	**6460**	300			460						7×50						
6510	**6510**	335			510						8×50						
SVT9210	–	130			210						–						
9310	–	180			310						1×100						
9410	–	350			410						2×100						
9510	–	450			510						3×100						
9610	–	550	$60^{\pm0.1}$	$145^{\pm0.2}$	610	43	85	M8	16	105	4×100	90	135	11	20	M4	90
9710	–	650			710						5×100						
9810	–	750			810						6×100						
9910	–	850			910						7×100						
91010	–	950			1,010						8×100						



bed-surface mounting-hole dimensions											accuracy※		basic load rating		allowable static moment			mass		size
													dynamic	static				SVT	SVTS	
d×D×h	c_1	c_2	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7		T	S	C	Co	M_P	M_Y	M_R			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
				90	—	—	—	—	—		3	6	8,750	10,900	160	144	244	3,280	1,705	**6110**
				140	—	—	—	—	—		3	6	12,800	18,100	366	338	407	4,820	2,480	**6160**
				190	90	—	—	—	—		3	7	16,500	25,300	653	615	570	6,270	3,255	**6210**
				240	140	—	—	—	—		3	7	20,000	32,600	1,020	974	733	7,740	4,030	**6260**
7×11.5×7	13	23	10	290	190	—	—	—	—		3	7	23,200	39,800	1,470	1,420	896	9,200	4,805	**6310**
				340	240	140	—	—	—		4	8	26,300	47,100	1,730	1,800	1,060	10,740	5,580	**6360**
				390	290	190	—	—	—		4	8	29,300	54,300	2,310	2,380	1,220	12,190	6,355	**6410**
				440	340	240	—	—	—		4	8	32,200	61,500	2,960	3,050	1,380	13,800	7,130	**6460**
				490	390	290	190	—	—		4	8	35,000	68,800	3,700	3,800	1,550	15,300	7,905	**6510**
				100	—	—	—	—	—		3	7	21,400	29,000	840	760	1,050	12,520	—	**9210**
				200	—	—	—	—	—		3	7	32,500	50,800	1,650	1,780	1,830	17,950	—	**9310**
				300	100	—	—	—	—		4	8	32,500	50,800	2,160	2,030	1,830	23,950	—	**9410**
				400	200	—	—	—	—		4	8	39,300	65,300	3,380	3,220	2,400	30,090	—	**9510**
9×14×9	16	29	55	500	300	100	—	—	—		4	9	45,700	79,900	4,090	4,290	2,900	35,990	—	**9610**
				600	400	200	—	—	—		4	9	51,800	94,400	5,720	5,950	3,400	41,890	—	**9710**
				700	500	300	100	—	—		5	10	54,700	102,000	7,620	7,370	3,700	47,790	—	**9810**
				800	600	400	200	—	—		5	10	60,500	116,000	10,000	9,500	4,200	53,690	—	**9910**
				900	700	500	300	100	—		5	10	66,100	131,000	12,000	12,000	4,700	59,590	—	**91010**

1N≒0.102kgf　1N・m≒0.102kgf・m



SYT TYPE

– SYT1/SYT2 –



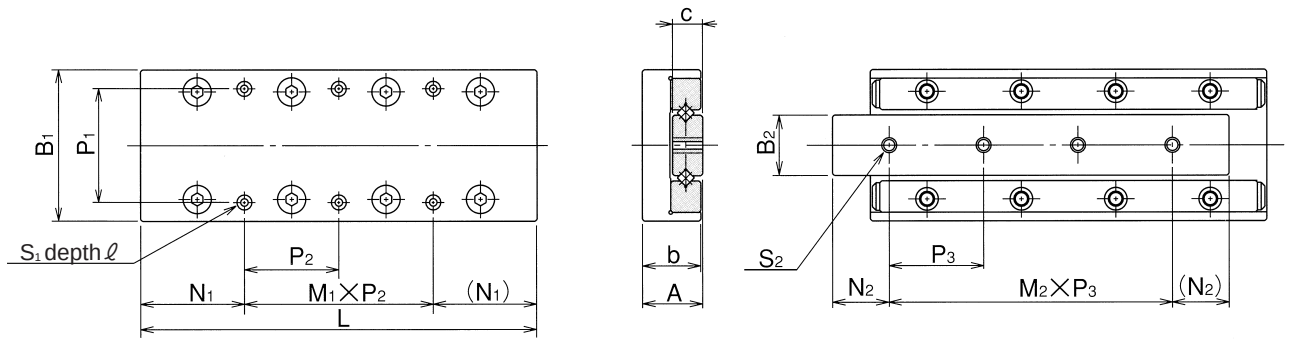
part number structure example

SYTS | 3 | 155

- SYTS: specification
- 3: size
- 155: over-all length

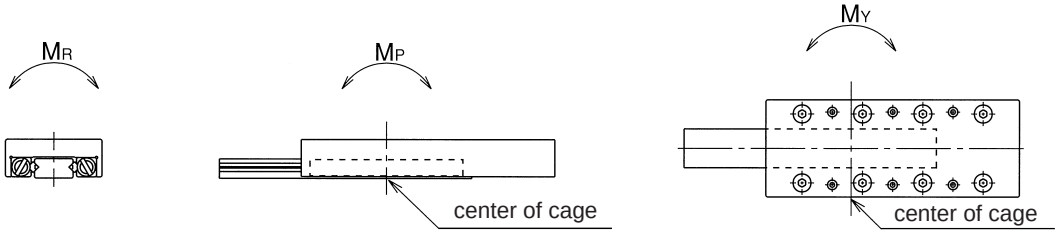
specification	
SYT	standard
SYTS	anticorrosion

part number		stroke	major dimensions						table-top mounting-hole dimensions		
standard	anticorrosion	mm	A mm	B_1 mm	L mm	b mm	B_2 mm	c mm	P_1 mm	S_1	ℓ mm
SYT1025	**SYTS1025**	12			25						
1035	**1035**	18			35						
1045	**1045**	25			45						
1055	**1055**	32	$8^{\pm 0.1}$	$20^{\pm 0.1}$	55	7.5	6.6	4	14	M2.6	3.5
1065	**1065**	40			65						
1075	**1075**	45			75						
1085	**1085**	50			85						
SYT2035	**SYTS2035**	18			35						
2050	**2050**	30			50						
2065	**2065**	40			65						
2080	**2080**	50	$12^{\pm 0.1}$	$30^{\pm 0.1}$	80	11.5	12	6	22	M3	5.5
2095	**2095**	60			95						
2110	**2110**	70			110						
2125	**2125**	80			125						



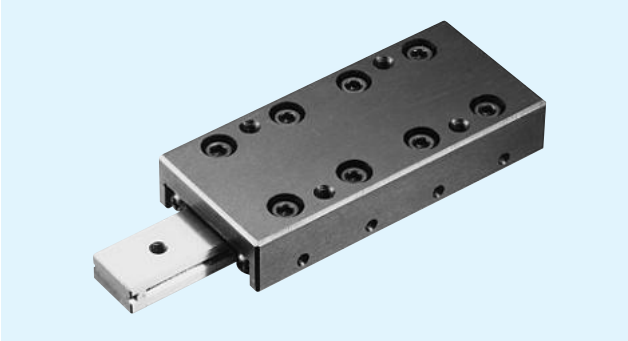
		center rail mounting-hole dimensions			accuracy※		basic load rating		allowable static moment			mass	size
							dynamic	static					
N_1	$M_1 \times P_2$	S_2	N_2	$M_2 \times P_3$	T	S	C	Co	M_P	M_Y	M_R		
mm	mm		mm	mm	μm	μm	N	N	N・m	N・m	N・m	g	
3.5	1×18		5	2×7.5	2	4	340	312	1.1	1.0	1.1	22	**1025**
3.5	1×28		7.5	2×10	2	4	572	624	2.0	2.3	2.3	33	**1035**
12.5	1×20		7.5	3×10	2	5	676	780	4.6	4.3	2.9	42	**1045**
12.5	1×30	M2.6	7.5	4×10	2	5	776	936	6.3	5.9	3.5	52	**1055**
12.5	2×20		7.5	5×10	2	5	871	1,090	8.3	7.8	4.1	63	**1065**
22.5	1×30		7.5	6×10	2	5	1,050	1,400	13.0	12.4	5.3	72	**1075**
12.5	2×30		7.5	7×10	2	5	1,140	1,560	15.7	15.0	5.9	83	**1085**
3.5	1×28		7.5	1×20	2	4	594	588	3.5	2.9	3.8	79	**2035**
3.5	1×43		10	2×15	2	4	805	882	6.1	5.5	5.7	113	**2050**
17.5	1×30		10	3×15	2	5	999	1,180	9.7	8.8	7.6	150	**2065**
17.5	1×45	M3	10	4×15	2	5	1,350	1,760	14.0	15.3	11.5	185	**2080**
17.5	2×30		10	5×15	2	5	1,520	2,060	19.1	20.6	13.4	215	**2095**
32.5	1×45		10	6×15	2	5	1,680	2,350	31.7	30.0	15.3	255	**2110**
17.5	2×45		10	7×15	2	5	1,840	2,650	39.1	37.2	17.2	295	**2125**

1N≒0.102kgf　1N・m≒0.102kgf・m



SYT TYPE

– SYT3 –



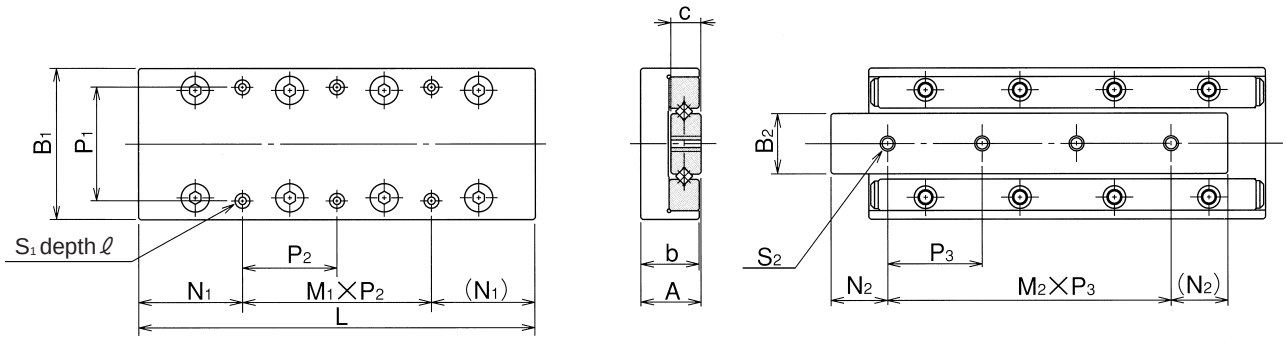
part number structure example

SYTS | 3 | 155

- SYTS: specification
- 3: size
- 155: over-all length

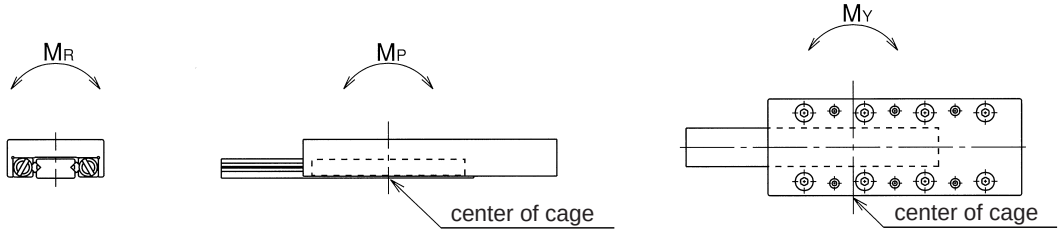
specification	
SYT	standard
SYTS	anticorrosion

part number		stroke	major dimensions						table-top mounting-hole dimensions		
standard	anticorrosion	mm	A mm	B_1 mm	L mm	b mm	B_2 mm	c mm	P_1 mm	S_1	ℓ mm
SYT3055	**SYTS3055**	30			55						
3080	**3080**	45			80						
3105	**3105**	60			105						
3130	**3130**	75	$16^{\pm 0.1}$	$40^{\pm 0.1}$	130	15.5	16	8	30	M4	7.5
3155	**3155**	90			155						
3180	**3180**	105			180						
3205	**3205**	130			205						



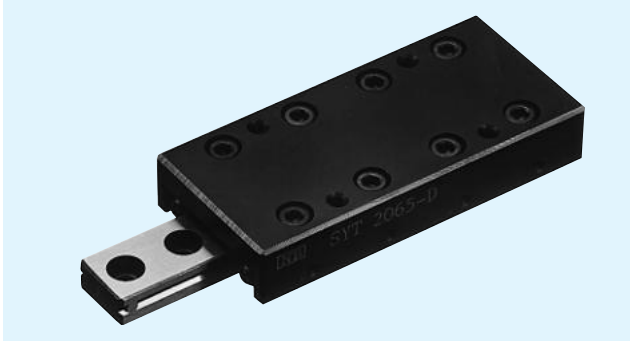
		center rail mounting-hole dimensions			accuracy※		basic load rating		allowable static moment			mass	size
							dynamic	static					
N_1	$M_1 \times P_2$	S_2	N_2	$M_2 \times P_3$	T	S	C	Co	M_P	M_Y	M_R		
mm	mm		mm	mm	μm	μm	N	N	N・m	N・m	N・m	g	
7.5	1×40		10	1×35	2	5	1,800	2,120	10.6	12.4	18.4	225	**3055**
7.5	1×65		15	2×25	2	5	2,640	3,530	29.2	32.4	30.7	340	**3080**
27.5	1×50		15	3×25	3	5	3,030	4,240	57.4	53.5	36.9	440	**3105**
27.5	1×75	M4	15	4×25	3	5	3,760	5,650	95.1	90.0	49.1	560	**3130**
27.5	2×50		15	5×25	3	5	4,440	7,060	117	124	61.4	655	**3155**
52.5	1×75		15	6×25	3	5	5,100	8,470	169	177	73.7	770	**3180**
27.5	2×75		15	7×25	3	5	5,410	9,180	199	207	79.8	880	**3205**

1N≒0.102kgf　1N・m≒0.102kgf・m



SYT-D TYPE

– SYT1/SYT2 –



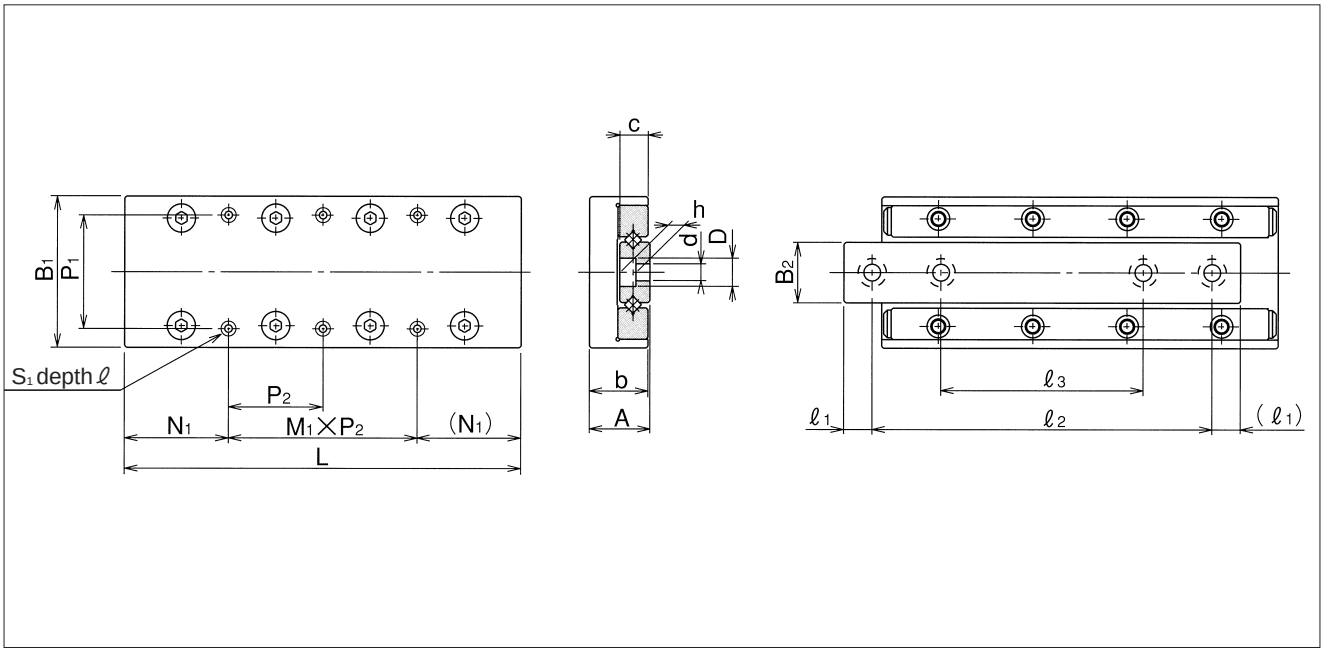
part number structure example

SYTS | 3 | 155 - D

- D: with counterbore
- 155: overall length
- 3: size
- SYTS: specification

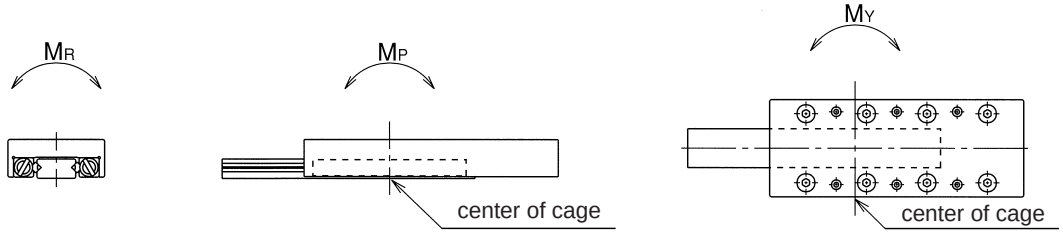
specification	
SYT	standard
SYTS	anticorrosion

part number		stroke	major dimensions						table-top mounting-hole dimensions			
standard	anticorrosion	mm	A mm	B_1 mm	L mm	b mm	B_2 mm	c mm	P_1 mm	S_1	ℓ mm	N_1 mm
SYT1025-D	**SYTS1025-D**	12			25							3.5
1035-D	**1035-D**	18			35							3.5
1045-D	**1045-D**	25			45							12.5
1055-D	**1055-D**	32	$8^{\pm 0.1}$	$20^{\pm 0.1}$	55	7.5	6.6	4	14	M2.6	3.5	12.5
1065-D	**1065-D**	40			65							12.5
1075-D	**1075-D**	45			75							22.5
1085-D	**1085-D**	50			85							12.5
SYT2035-D	**SYTS2035-D**	18			35							3.5
2050-D	**2050-D**	30			50							3.5
2065-D	**2065-D**	40			65							17.5
2080-D	**2080-D**	50	$12^{\pm 0.1}$	$30^{\pm 0.1}$	80	11.5	12.0	6	22	M3	5.5	17.5
2095-D	**2095-D**	60			95							17.5
2110-D	**2110-D**	70			110							32.5
2125-D	**2125-D**	80			125							17.5



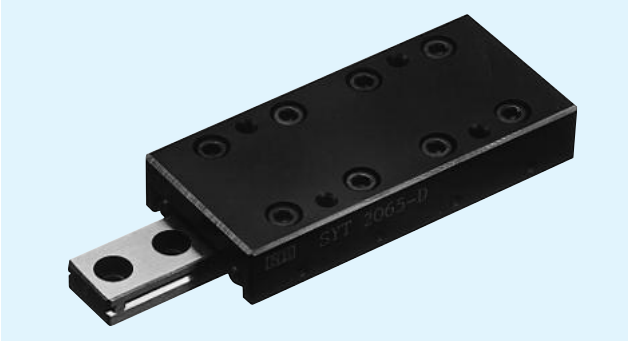
	center rail mounting-hole dimensions				accuracy※		basic load rating		allowable static moment			mass	size
							dynamic	static					
$M_1 \times P_2$	d×D×h	ℓ_1	ℓ_2	ℓ_3	T	S	C	Co	M_P	M_Y	M_R		
mm	mm	mm	mm	mm	μm	μm	N	N	N·m	N·m	N·m	g	
1×18		3.5	18	—	2	4	340	312	1.1	1.0	1.1	22	**1025**
1×28		5	25	—	2	4	572	624	2.0	2.3	2.3	33	**1035**
1×20		3.5	38	25	2	5	676	780	4.6	4.3	2.9	42	**1045**
1×30	2.5×4.1×2.2	3.5	48	29	2	5	776	936	6.3	5.9	3.5	52	**1055**
2×20		5	55	31	2	5	871	1,090	8.3	7.8	4.1	63	**1065**
1×30		5	65	35	2	5	1,050	1,400	13.0	12.4	5.3	72	**1075**
2×30		5	75	40	2	5	1,140	1,560	15.7	15.0	5.9	83	**1085**
1×28		5	25	—	2	4	594	588	3.5	2.9	3.8	79	**2035**
1×43		7.5	35	—	2	4	805	882	6.1	5.5	5.7	113	**2050**
1×30		5	55	33	2	5	999	1,180	9.7	8.8	7.6	150	**2065**
1×45	3.5×6×3.3	5	70	40	2	5	1,350	1,760	14.0	15.3	11.5	185	**2080**
2×30		5	85	45	2	5	1,520	2,060	19.1	20.6	13.4	215	**2095**
1×45		7.5	95	50	2	5	1,680	2,350	31.7	30.0	15.3	255	**2110**
2×45		7.5	110	55	2	5	1,840	2,650	39.1	37.2	17.2	295	**2125**

1N≒0.102kgf　1N·m≒0.102kgf·m



SYT-D TYPE

– SYT3 –



part number structure example

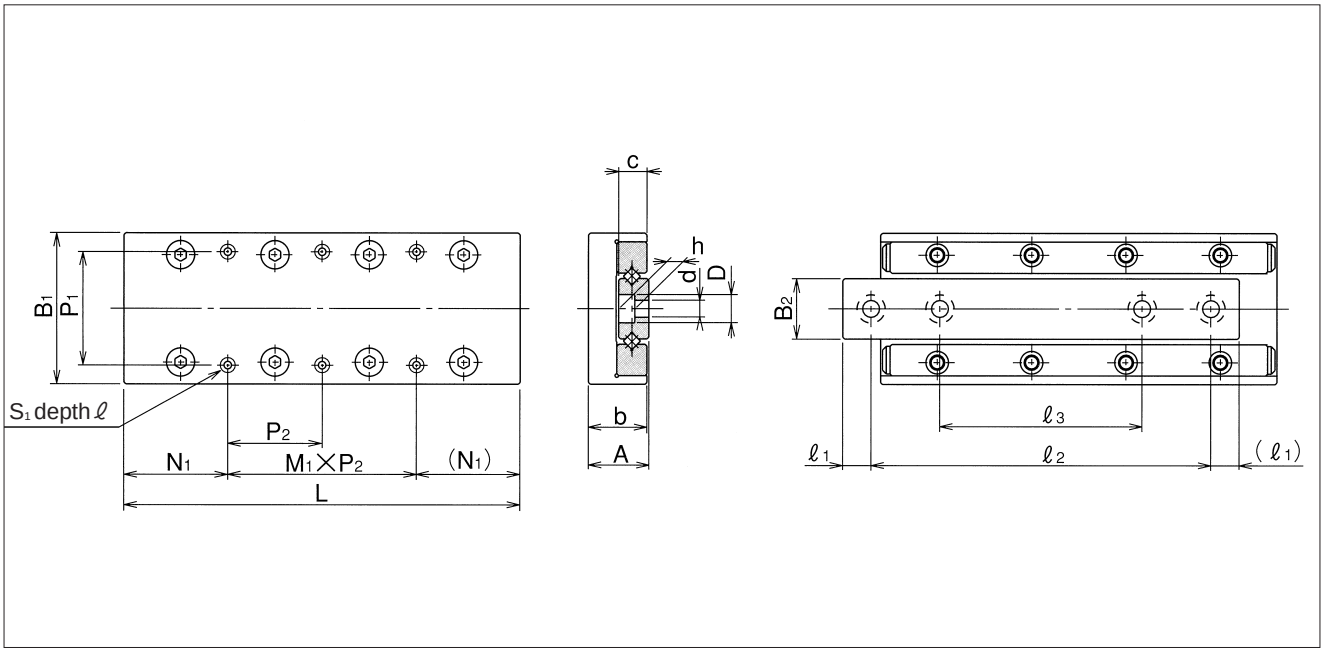
SYTS | 3 | 155 | - | D

- SYTS: specification
- 3: size
- 155: overall length
- D: with counterbore

specification

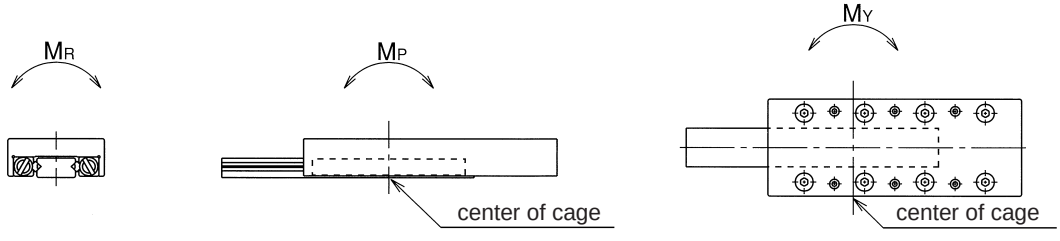
SYT	standard
SYTS	anticorrosion

part number		stroke	major dimensions						table-top mounting-hole dimensions			
standard	anticorrosion	mm	A mm	B_1 mm	L mm	b mm	B_2 mm	c mm	P_1 mm	S_1	ℓ mm	N_1 mm
SYT3055-D	**SYTS3055-D**	30			55							7.5
3080-D	**3080-D**	45			80							7.5
3105-D	**3105-D**	60			105							27.5
3130-D	**3130-D**	75	$16^{\pm 0.1}$	$40^{\pm 0.1}$	130	15.5	16	8	30	M4	7.5	27.5
3155-D	**3155-D**	90			155							27.5
3180-D	**3180-D**	105			180							52.5
3205-D	**3205-D**	130			205							27.5



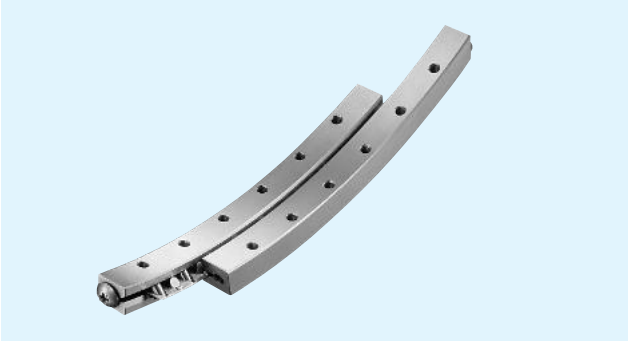
	center rail mounting-hole dimensions				accuracy※		basic load rating		allowable static moment			mass	size
							dynamic	static					
$M_1 \times P_2$	d×D×h	ℓ_1	ℓ_2	ℓ_3	T	S	C	Co	M_P	M_Y	M_R		
mm	mm	mm	mm	mm	μm	μm	N	N	N·m	N·m	N·m	g	
1×40		7.5	40	—	2	5	1,800	2,120	10.6	12.4	18.4	225	**3055**
1×65		6	68	43	2	5	2,640	3,530	29.2	32.4	30.7	340	**3080**
1×50		7.5	90	55	3	5	3,030	4,240	57.4	53.5	36.9	440	**3105**
1×75	4.5×7.5×4.3	7.5	115	65	3	5	3,760	5,650	95.1	90.0	49.1	560	**3130**
2×50		7.5	140	95	3	5	4,440	7,060	117	124	61.4	655	**3155**
1×75		7.5	165	85	3	5	5,100	8,470	169	177	73.7	770	**3180**
2×75		7.5	190	95	3	5	5,410	9,180	199	207	79.8	880	**3205**

1N≒0.102kgf　1N·m≒0.102kgf·m



RV TYPE

– Gonio Way –

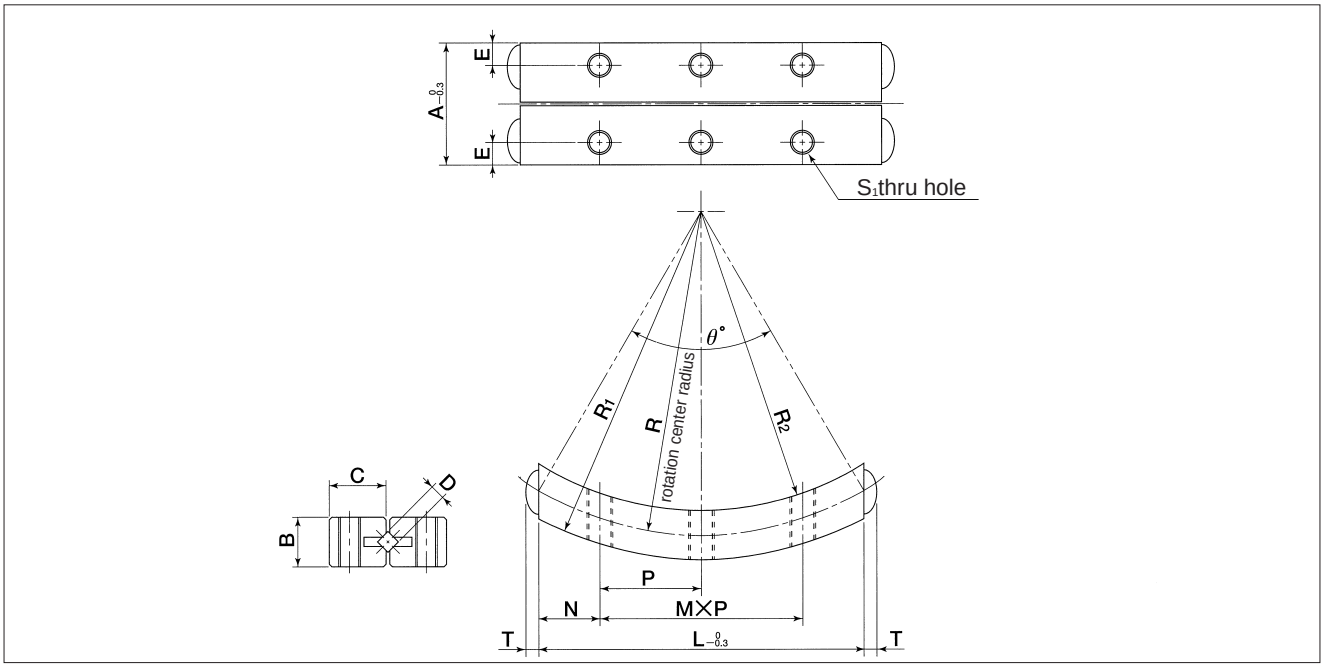


part number structure example

RV 3 070 - 110 - 10Z

- RV: RV type
- 3: size
- 070: length
- 110: center radius
- 10Z: number of rollers

part number	rotation range	roller diameter D mm	No. of rollers Z	major dimensions L mm	R mm	R_1 mm	R_2 mm	A mm	B mm	C mm
RV2040- 50- 7Z	±10°	2	7	40	50	53	47	15	6	7.25
RV2060- 60-12Z			12	60	60	63	57			
RV3070- 90-11Z	±10°	3	11	70	90	94	86	18	8	8.5
RV3070-110-10Z			10	70	110	114	106			
RV3100-160-14Z			14	100	160	164	156			



※ One set consists of 4 curved rails, 2 curved roller cages, and 8 end pieces.

						basic load rating		mass	part number
M×P mm	N mm	E mm	S_1	T mm	θ	dynamic C N	static Co N	 g	
2×12.5	7.5	2.5	M3	1.5	47.2°	802	878	49	**RV2040- 50 7Z**
3×12.5	11.25				60.0°	1,176	1,464	75	**RV2060- 60-12Z**
3×15	12.5	3	M3	1.9	45.8°	2,632	3,516	137	**RV3070- 90-11Z**
3×15					37.1°	2,632	3,516	135	**RV3070-110-10Z**
5×15					36.4°	3,388	4,923	193	**RV3100-160-14Z**