

NIPPON BEARING

# SLIDE TABLE

The NB slide table is a precision table equipped with a slide way. Its high-precision and low-friction characteristics make it well suited for use in electronics automatic-assembly machines, optical measurement devices, etc.

## STRUCTURE AND ADVANTAGES

The NB slide table consists of a slide way sandwiched between an accurately machined table and a bed. Stoppers are provided inside the table.

### High Accuracy

The mounting surfaces of the table and bed are precision finished to ensure high precision linear motion, resulting in a high performance slide way.

### Low Friction

Its non-recirculating mechanism provides stable motion at from low to high speeds.

### Compact and High Rigidity

Being designed compactly, the NB slide table holds the high load capacity and high rigidity characteristics.

### No Need for Adjustment

The table is carefully assembled so that the accuracy and preload are optimized, it can be used immediately without any further adjustment.

### Ease of Mounting

Standardized mounting holes are provided in the table and bed. High precision linear motion can be achieved simply by mounting.

Figure G-18 Structure of NVT type

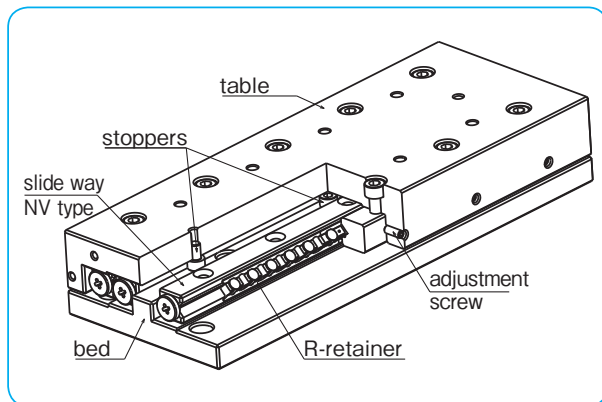


Figure G-20 Structure of SVT type

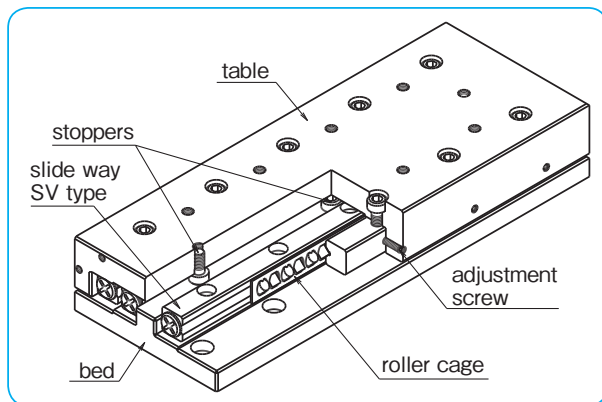


Figure G-19 Structure of NYT type

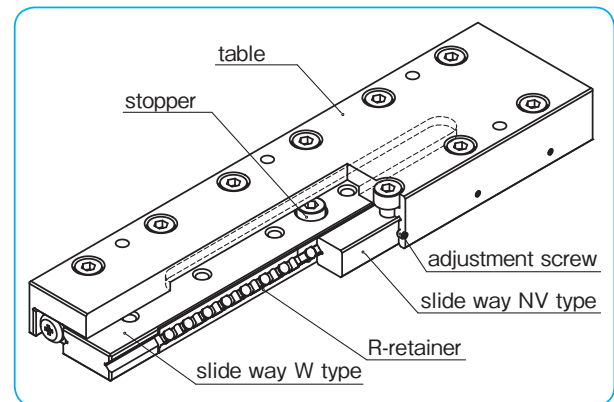
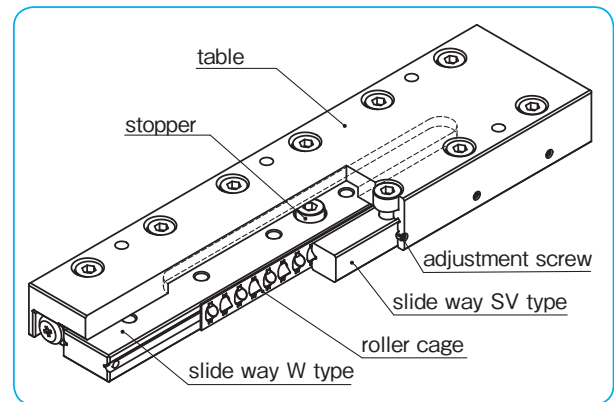


Figure G-21 Structure of SYT type



## SLIDE TABLE

## TYPES

## NVT·NVTS type



P.G-32

The NVT type slide table incorporates the NV type slide way. The table and bed have been precision machined to provide a high degree of accuracy and the product can be used, without any need for troublesome accuracy or preload adjustments.

In the NVTS type, the anti-corrosion NVS type slide way is sandwiched between an accurately machined aluminum table and bed.

## NYT·NYTS type



P.G-36

The NYT/NYTS type is a thin, compact slide table, utilizing the studroller system. Either tapped or counterbore mounting type (D type) is available.

The anti-corrosion type NYTS slide table is made of all stainless steel components except for R-retainer.

## SVT·SVTS type



P.G-40

In the SVT type slide table, the SV type slide way is sandwiched between an accurately machined steel table and bed.

In the SVTS type, the anti-corrosion SVS type slide way is sandwiched between an accurately machined aluminum table and bed.

## SYT·SYTS type



P.G-46

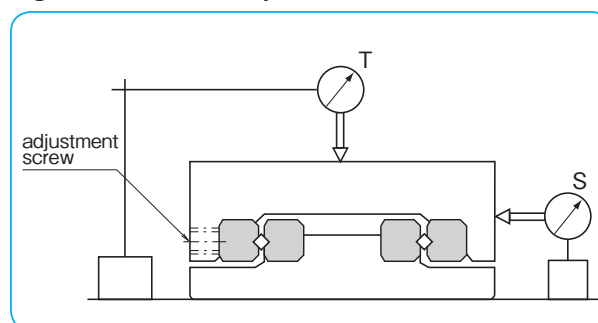
The SYT/SYTS type is a thin, compact slide table. Either tapped or counterbore type (D type) is available for the mounting hole.

The anti-corrosion SYTS type slide table is made of all stainless steel components, making it suitable for use in clean rooms.

## ACCURACY

The motion accuracy of a slide table is measured by placing indicators at the center of the top and side surface of the table, as illustrated in Figure G-22. It is expressed in terms of the indicator deviation when the table is moved the full stroke without any load. For accuracy, please see the dimension tables.

Figure G-22 Accuracy Measurement Method



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## NIPPON BEARING

## RATED LIFE

The life of an NB slide table is calculated using the following equations.

Rated Life

$$L = \left( \frac{f_T}{f_W} \cdot \frac{C}{P} \right)^{10/3} \cdot 50$$

L: rated life(km)  $f_T$ : temperature coefficient  $f_W$ : applied load coefficient  
C: basic dynamic load rating(N) P: applied load(N)  
※Please refer to page Eng-5 for the coefficients.

Life Time

$$L_h = \frac{L \cdot 10^3}{2 \cdot \ell_s \cdot n_1 \cdot 60}$$

$L_h$ : life time (hr)  $\ell_s$ : stroke length (m)  
 $n_1$ : number of cycles per minute (cpm)

## LOAD RATING

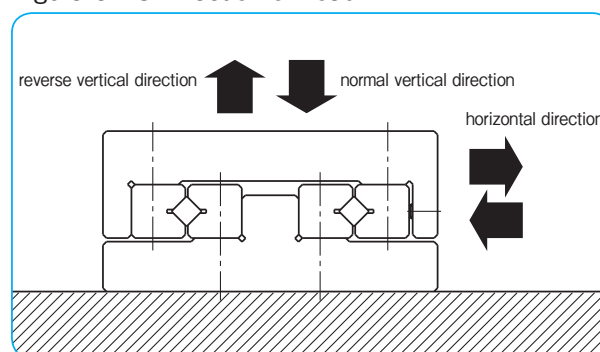
The load rating of the slide table NVT type and NYT type differs depending on the direction of the load.

Table G-7 Change of Load Rating Corresponding to Load Direction

basic dynamic load rating	normal vertical direction	1.0×C
	horizontal direction	0.85×C
	reverse vertical direction	0.74×C
basic static load rating	normal vertical direction	1.0×C <sub>0</sub>
	horizontal direction	0.84×C <sub>0</sub>
	reverse vertical direction	0.68×C <sub>0</sub>

※There may be a difference depending on the size.  
Please contact NB for details.  
Consideration has been given to holes for STUDROLLERS in the raceway surface in calculation of load ratings.

Figure G-23 Direction of Load



## USE AND HANDLING PRECAUTIONS

## Careful Handling

Dropping the slide table causes the rolling elements to make dents in the raceway surface. This will prevent smooth motion and will also affect accuracy. Be sure to handle the product with care.

## Dust Prevention

Dust and foreign particles affect the accuracy and lifetime of a slide table. A slide table used in a harsh environment should be protected with a cover.

## Lubrication

The slide table is prelubricated with lithium soap based grease No.00 prior to shipment for immediate use. Make sure to relubricate with a similar type of grease periodically depending on the operating conditions.

## Cage Slippage

For the SVT/SYT type, the cage can slip under high-speed motion, vertical application, unbalanced-loading, and vibrating conditions. It is advised

that the motion speed be kept under 0.5m/s under general operating conditions. It is also recommended that the rails be cycled to perform the maximum stroke several times, so that the cage returns to its central position.

## Adjustment/Installation Screw

The NB slide table is adjusted to achieve optimum accuracy and preload. The adjustment screw and rail installation screws should be kept untouched.

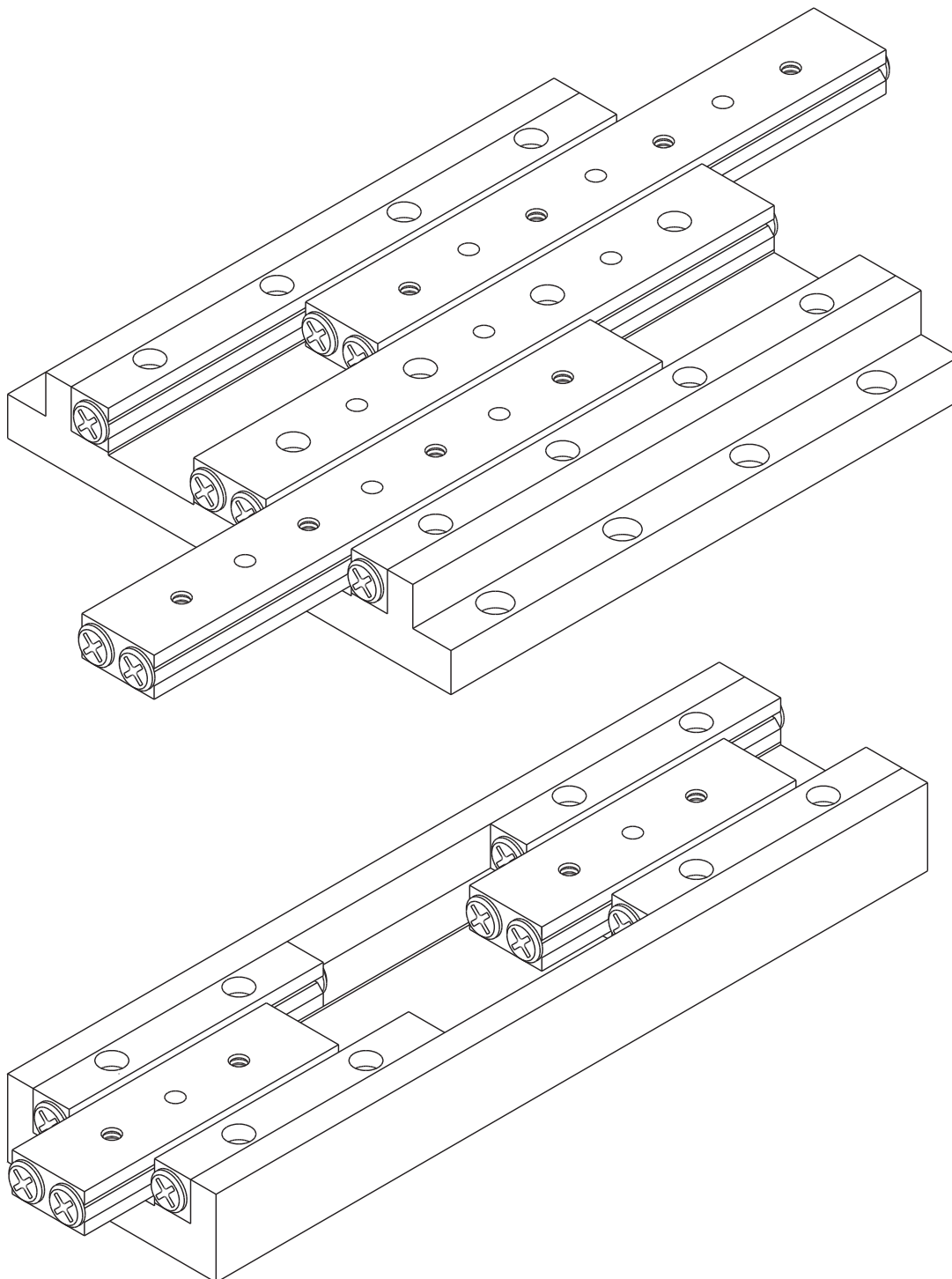
## Allowable Load

The allowable load is a load under which the sum of elastic deformations of the rolling element and the raceway in the contact area subject to the maximum contact stress is small enough to guarantee smooth rolling movement. When very smooth and highly accurate linear motion is required, make sure to use the product within the allowable load.

SLIDE TABLE

SPECIAL REQUIREMENTS

NB can machine tables to meet special requirements, including tables with a micrometer head and tables for projectors. Please contact NB for details.

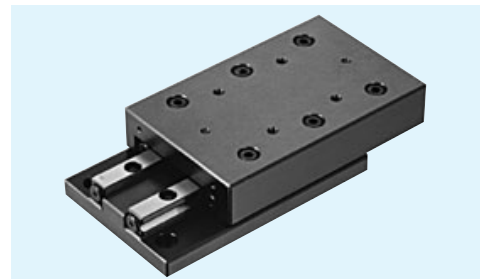


SLIDE TABLE

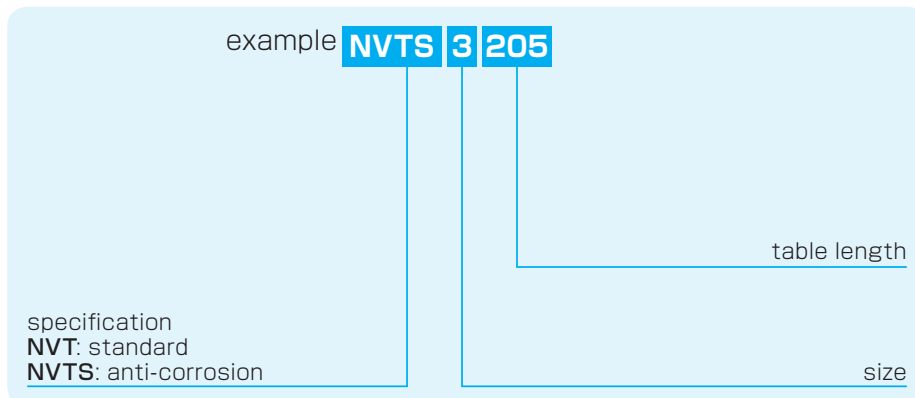
NIPPON BEARING

NVT TYPE

-NVT1/NVT2/NVT3-



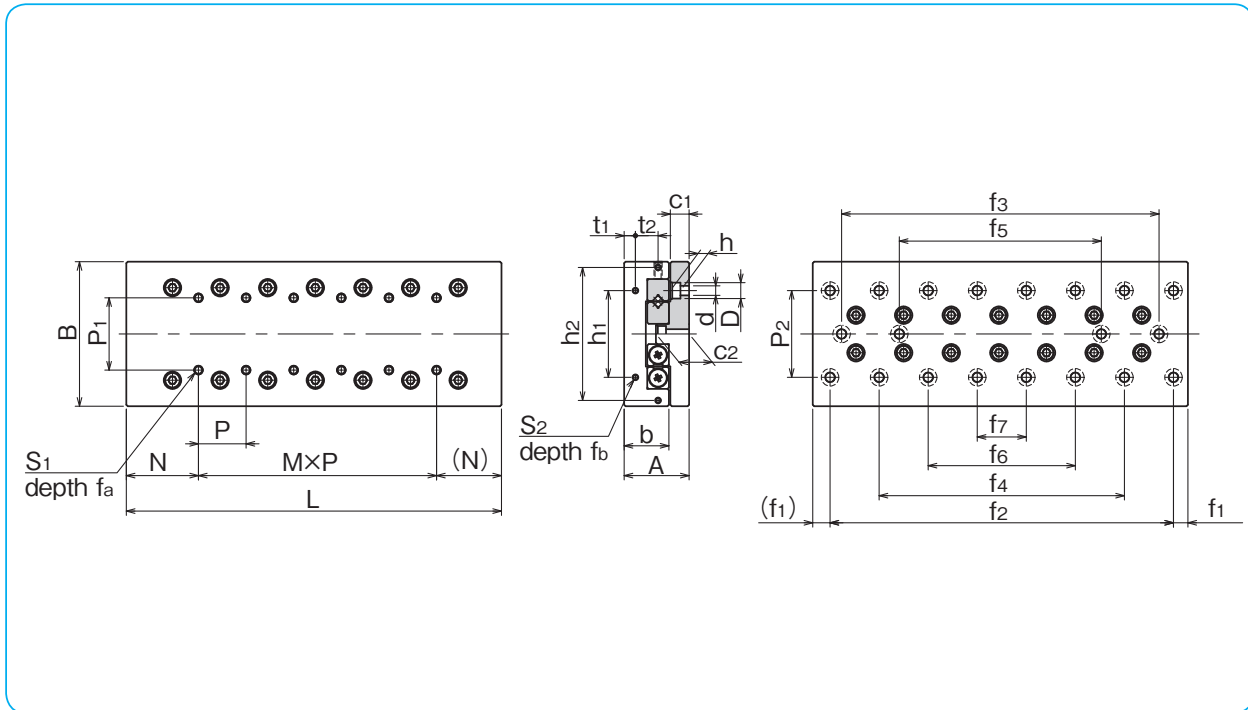
part number structure



part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion	ST mm	A mm	B mm	L mm	b mm	P <sub>1</sub> mm	S <sub>1</sub>	f <sub>a</sub> mm	N mm	M×P mm	h <sub>1</sub> mm	h <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	S <sub>2</sub>	f <sub>b</sub> mm
<b>NVT1025</b>	<b>NVTS1025</b>	12	17±0.1	30 <sup>-0.2</sup> <sub>-0.4</sub>	25	11	10	M2	4	12.5	—	12	—	2.5	—	M2	6
<b>1035</b>	<b>1035</b>	18			35						1×10						
<b>1045</b>	<b>1045</b>	25			45						2×10						
<b>1055</b>	<b>1055</b>	32			55						3×10						
<b>1065</b>	<b>1065</b>	40			65						4×10						
<b>1075</b>	<b>1075</b>	45			75						5×10						
<b>1085</b>	<b>1085</b>	50			85						6×10						
<b>NVT2035</b>	<b>NVTS2035</b>	18	21±0.1	40 <sup>-0.2</sup> <sub>-0.4</sub>	35	14	15	M3	6	17.5	—	16	—	3.4	—	M2	6
<b>2050</b>	<b>2050</b>	30			50						1×15						
<b>2065</b>	<b>2065</b>	40			65						2×15						
<b>2080</b>	<b>2080</b>	50			80						3×15						
<b>2095</b>	<b>2095</b>	60			95						4×15						
<b>2110</b>	<b>2110</b>	70			110						5×15						
<b>2125</b>	<b>2125</b>	80			125						6×15						
<b>2140</b>	<b>2140</b>	90			140						7×15						
<b>2155</b>	<b>2155</b>	100			155						8×15						
<b>2170</b>	<b>2170</b>	110			170						9×15						
<b>2185</b>	<b>2185</b>	120	185	10×15													
<b>NVT3055</b>	<b>NVTS3055</b>	30	28±0.1	60±0.1	55	18.5	25	M4	8	27.5	—	40	—	5.5	—	M3	6
<b>3080</b>	<b>3080</b>	45			80						1×25						
<b>3105</b>	<b>3105</b>	60			105						2×25						
<b>3130</b>	<b>3130</b>	75			130						3×25						
<b>3155</b>	<b>3155</b>	90			155						4×25						
<b>3180</b>	<b>3180</b>	105			180						5×25						
<b>3205</b>	<b>3205</b>	130			205						6×25						
<b>3230</b>	<b>3230</b>	155			230						7×25						

The basic static load rating is the value at the center of the stroke.

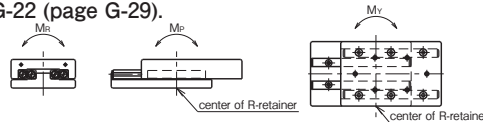
SLIDE TABLE



P2 mm	bed-surface mounting hole dimensions											accuracy ※(deviation)		basic load rating		allowable load	allowable static moment			mass		size
	d×D×h mm	c1 mm	c2 mm	f1 mm	f2 mm	f3 mm	f4 mm	f5 mm	f6 mm	f7 mm	T μm	S μm	C N	Co N	F N		MP N·m	MY N·m	MR N·m	NVT g	NVTS g	
22	2.5×4.5×2.5	5.5	9	3.5	18	—	—	—	—	—	2	4	734	849	283	3.73	3.18	5.73	87	39	1025	
					28	—	—	—	—	—	2	4	1,250	1,690	566	1.77	4.24	1.93	124	55	1035	
					38	—	—	—	—	—	2	4	1,720	2,540	849	9.09	10.3	7.67	160	71	1045	
					48	—	28	—	—	—	2	5	2,160	3,390	1,130	14.1	16.7	9.61	195	87	1055	
					58	—	38	—	—	—	2	5	2,560	4,240	1,410	24.9	26.7	15.3	231	103	1065	
					68	—	48	—	—	—	2	5	2,960	5,090	1,690	33.1	36.7	17.2	267	119	1075	
					78	—	58	—	—	—	2	5	3,330	5,940	1,980	47.8	50.7	23.0	303	136	1085	
30	3.5×6.5×3.5	6.5	10.9	5	25	—	—	—	—	—	2	4	1,360	1,520	509	10.1	8.8	13.7	200	95	2035	
					40	—	—	—	—	—	2	4	2,330	3,050	1,010	18.9	18.7	18.6	287	140	2050	
					55	—	—	—	—	—	2	5	3,190	4,580	1,520	36.9	35.7	32.4	377	182	2065	
					70	—	40	—	—	—	2	5	3,990	6,110	2,030	53.2	53.8	37.3	455	225	2080	
					85	—	55	—	—	—	2	5	4,740	7,630	2,540	80.3	79.9	51.1	550	260	2095	
					100	—	70	—	—	—	3	6	5,460	9,160	3,050	104	106	56.0	640	295	2110	
					115	—	85	—	—	—	3	6	6,160	10,600	3,560	130	135	60.9	730	340	2125	
					130	—	100	—	70	—	3	6	6,830	12,200	4,070	171	176	74.7	810	370	2140	
					145	—	115	—	85	—	3	6	8,130	15,200	5,090	235	244	88.4	890	410	2155	
					160	—	130	—	100	—	3	7	8,750	16,800	5,600	275	289	93.3	980	450	2170	
40	4.5×8×4.5	9	15	10	175	—	145	—	115	85	3	7	9,370	18,300	6,110	317	338	98.3	1,070	490	2185	
					35	—	—	—	—	—	2	5	6,150	8,060	2,680	20.8	37.2	27.3	643	303	3055	
					60	—	—	—	—	—	2	5	8,440	12,100	4,030	125	119	140	960	445	3080	
					85	—	—	—	—	—	3	6	10,500	16,100	5,370	188	186	167	1,260	590	3105	
					110	—	—	—	—	—	3	6	14,400	24,200	8,060	300	319	195	1,580	725	3130	
					135	85	—	—	—	—	3	6	16,300	28,200	9,410	508	505	308	1,860	860	3155	
					160	110	—	—	—	—	3	7	18,100	32,200	10,700	630	635	335	2,160	1,000	3180	
					185	135	85	—	—	—	3	7	19,800	36,300	12,100	763	779	362	2,460	1,140	3205	
					210	160	110	—	—	—	3	7	21,500	40,300	13,400	906	936	390	2,780	1,310	3230	

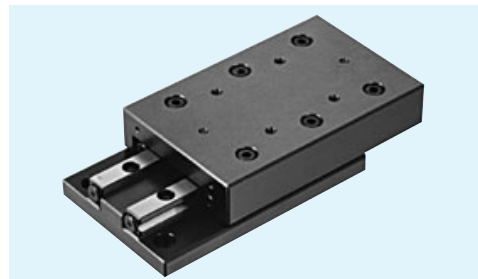
※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≒0.102kgf 1N·m≒0.102kgf·m

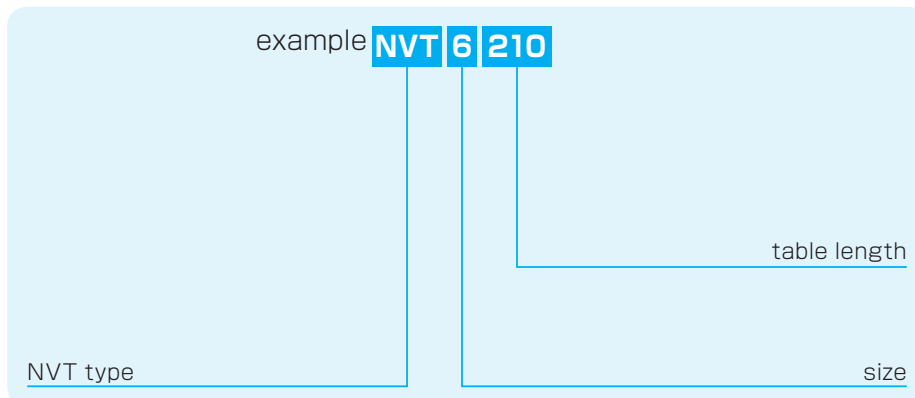


NIPPON BEARING

NVT TYPE  
—NVT4/NVT6/NVT9—



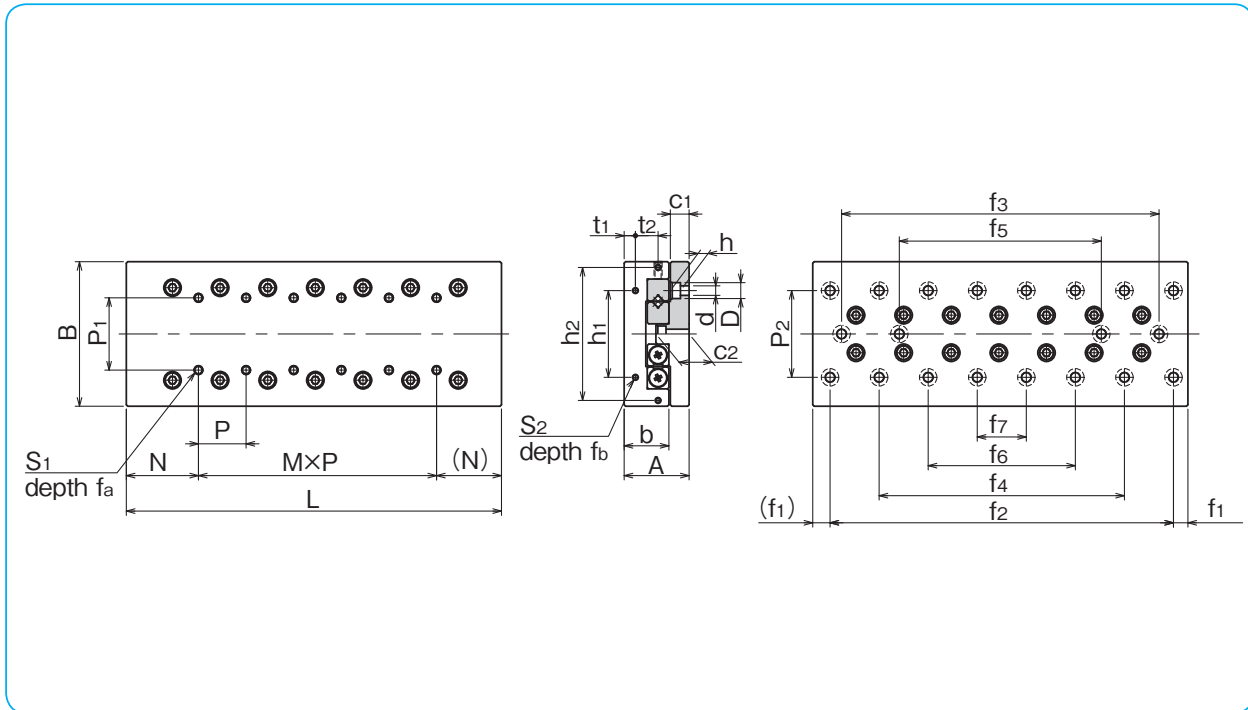
part number structure



part number		stroke ST mm	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion		A mm	B mm	L mm	b mm	P <sub>1</sub> mm	S <sub>1</sub>	f <sub>a</sub> mm	N	M×P mm	h <sub>1</sub> mm	h <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	S <sub>2</sub>	f <sub>b</sub> mm
<b>NVT4085</b>	<b>NVTS4085</b>	50	35±0.1	80±0.1	85	24	40	M5	10	42.5	—	55	—	6.5	—	M3	6
<b>4125</b>	<b>4125</b>	75			125						1×40						
<b>4165</b>	<b>4165</b>	105			165						2×40						
<b>4205</b>	<b>4205</b>	130			205						3×40						
<b>4245</b>	<b>4245</b>	155			245						4×40						
<b>4285</b>	<b>4285</b>	185			285						5×40						
<b>NVT6110</b>	<b>NVTS6110</b>	60	45±0.1	100±0.1	110	31	50	M6	12	55	—	60	92	8	15	M4	8
<b>6160</b>	<b>6160</b>	95			160						1×50						
<b>6210</b>	<b>6210</b>	130			210						2×50						
<b>6260</b>	<b>6260</b>	165			260						3×50						
<b>6310</b>	<b>6310</b>	200			310						4×50						
<b>6360</b>	<b>6360</b>	235			360						5×50						
<b>6410</b>	<b>6410</b>	265			410						6×50						
<b>NVT9210</b>	—	130	60±0.1	145±0.1	210	43	85	M8	16	105.5	—	90	135	11	20	M4	8
<b>9310</b>	—	180			310						1×100						
<b>9410</b>	—	220			410						2×100						
<b>9510</b>	—	300			510						3×100						

The basic static load rating is the value at the center of the stroke.

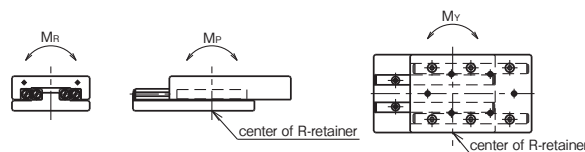
SLIDE TABLE



bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating		allowable	allowable static moment			mass		size
P <sub>2</sub> mm	d×D×h mm	c <sub>1</sub> mm	c <sub>2</sub> mm	f <sub>1</sub> mm	f <sub>2</sub> mm	f <sub>3</sub> mm	f <sub>4</sub> mm	f <sub>5</sub> mm	f <sub>6</sub> mm	f <sub>7</sub> mm	T μm	S μm	C N	Co N	F N	M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m	NVT g	NVTS g		
55	5.5×10×5.4	10.5	18	10	65	—	—	—	—	—	2	5	12,100	15,700	5,250	156	147	239	1,710	790	<b>4085</b>	
					105	—	—	—	—	—	3	6	20,700	31,500	10,500	327	357	320	2,520	1,160	<b>4125</b>	
					145	—	—	—	—	—	3	7	24,700	39,300	13,100	656	660	559	3,320	1,530	<b>4165</b>	
					185	105	—	—	—	—	3	7	32,100	55,100	18,300	1,270	1,250	874	4,130	1,900	<b>4205</b>	
					225	145	—	—	—	—	3	7	39,000	70,900	23,600	1,740	1,780	956	4,930	2,270	<b>4245</b>	
					265	185	—	—	—	—	3	7	42,400	78,700	26,200	2,380	2,400	1,190	5,730	2,630	<b>4285</b>	
60	7×11.5×7	13	23	10	90	—	—	—	—	—	3	6	29,600	37,500	12,500	213	310	256	3,300	1,720	<b>6110</b>	
					140	—	—	—	—	—	3	6	40,700	56,300	18,700	963	941	936	4,850	2,510	<b>6160</b>	
					190	90	—	—	—	—	3	7	60,600	93,900	31,300	1,960	1,990	1,350	6,310	3,290	<b>6210</b>	
					240	140	—	—	—	—	3	7	69,800	112,000	37,500	2,710	2,790	1,610	7,790	4,080	<b>6260</b>	
					290	190	—	—	—	—	3	7	78,800	131,000	43,800	4,490	4,420	2,460	9,260	4,860	<b>6310</b>	
					340	240	140	—	—	—	4	8	87,400	150,000	50,100	5,630	5,610	2,710	10,900	5,740	<b>6360</b>	
					390	290	190	—	—	—	4	8	104,000	187,000	62,600	7,540	7,700	2,970	12,460	6,620	<b>6410</b>	
90	9×14×9	16	29	55	100	—	—	—	—	—	3	6	96,100	128,000	42,600	1,700	2,110	2,260	12,550	—	<b>9210</b>	
					200	—	—	—	—	—	3	6	143,000	213,000	71,100	6,550	6,580	5,330	18,000	—	<b>9310</b>	
					300	—	—	—	—	—	3	7	186,000	298,000	99,500	12,600	12,700	7,770	24,010	—	<b>9410</b>	
					400	—	—	—	—	—	3	7	206,000	341,000	113,000	18,700	18,600	10,200	30,100	—	<b>9510</b>	

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m



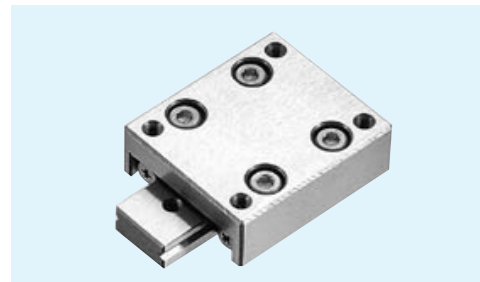
G-35

SLIDE TABLE

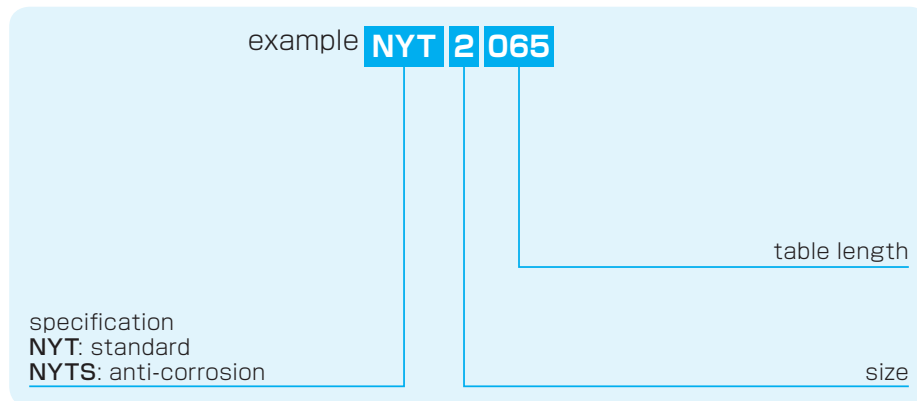


NIPPON BEARING

NYT TYPE



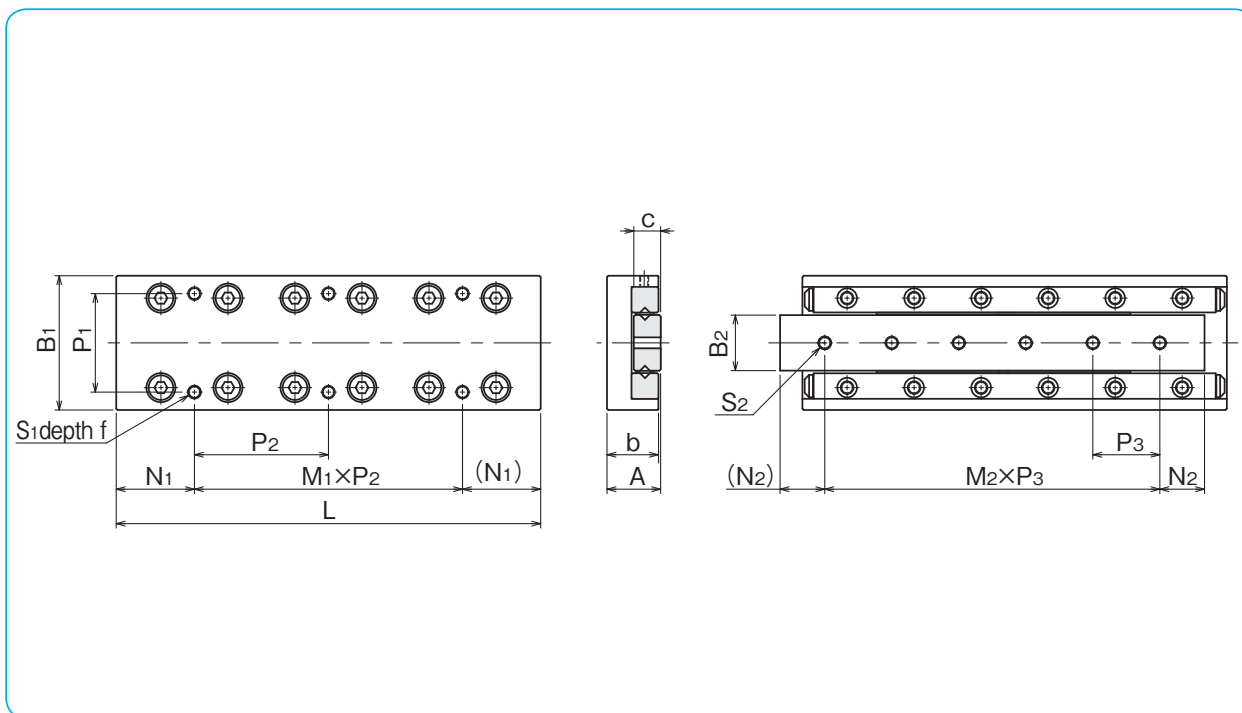
part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions				
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm	N <sub>1</sub> mm	M <sub>1</sub> × P <sub>2</sub> mm
<b>NYT 1025</b>	<b>NYTS 1025</b>	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3	3.5	1 × 18
<b>1035</b>	<b>1035</b>	18			35							3.5	1 × 28
<b>1045</b>	<b>1045</b>	25			45							12.5	1 × 20
<b>1055</b>	<b>1055</b>	32			55							12.5	1 × 30
<b>1065</b>	<b>1065</b>	40			65							12.5	2 × 20
<b>1075</b>	<b>1075</b>	45			75							22.5	1 × 30
<b>1085</b>	<b>1085</b>	50			85							12.5	2 × 30
<b>NYT 2035</b>	<b>NYTS 2035</b>	18	12±0.1	30±0.1	35	11.5	12.4	6	22	M3	5	3.5	1 × 28
<b>2050</b>	<b>2050</b>	30			50							3.5	1 × 43
<b>2065</b>	<b>2065</b>	40			65							17.5	1 × 30
<b>2080</b>	<b>2080</b>	50			80							17.5	1 × 45
<b>2095</b>	<b>2095</b>	60			95							17.5	2 × 30
<b>2110</b>	<b>2110</b>	70			110							32.5	1 × 45
<b>2125</b>	<b>2125</b>	80			125							17.5	2 × 45
<b>NYT 3055</b>	<b>NYTS 3055</b>	30	16±0.1	40±0.1	55	15.5	16.7	8	30	M4	7	7.5	1 × 40
<b>3080</b>	<b>3080</b>	45			80							7.5	1 × 65
<b>3105</b>	<b>3105</b>	60			105							27.5	1 × 50
<b>3130</b>	<b>3130</b>	75			130							27.5	1 × 75
<b>3155</b>	<b>3155</b>	90			155							27.5	2 × 50
<b>3180</b>	<b>3180</b>	105			180							52.5	1 × 75
<b>3205</b>	<b>3205</b>	130			205							27.5	2 × 75

The basic static load rating is the value at the center of the stroke.

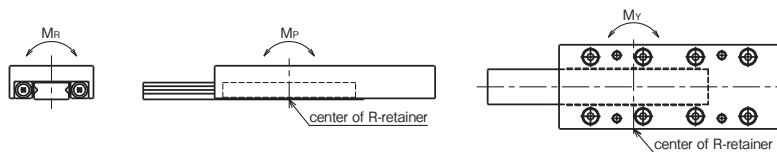
SLIDE TABLE



bed-surface mounting hole dimensions S <sub>2</sub>	N <sub>2</sub> mm	M <sub>2</sub> × P <sub>3</sub> mm	accuracy ※(deviation)		basic load rating dynamic C N	static C <sub>0</sub> N	allowable load F N	allowable static moment			mass g	size
			T μm	S μm				M <sub>P</sub> N · m	M <sub>Y</sub> N · m	M <sub>R</sub> N · m		
M2.6	5	2 × 7.5	2	4	734	849	283	3.73	3.18	3.18	25	1025
	7.5	2 × 10	2	4	1,250	1,690	566	1.77	4.24	1.07	35	1035
	7.5	3 × 10	2	5	1,720	2,540	849	9.09	10.3	4.26	45	1045
	7.5	4 × 10	2	5	2,160	3,390	1,130	14.1	16.7	5.33	55	1055
	7.5	5 × 10	2	5	2,560	4,240	1,410	24.9	26.7	8.52	65	1065
	7.5	6 × 10	2	5	2,960	5,090	1,690	33.1	36.7	9.59	76	1075
	7.5	7 × 10	2	5	3,330	5,940	1,980	47.8	50.7	12.7	86	1085
M3	7.5	1 × 20	2	4	1,360	1,520	509	10.1	8.80	9.93	84	2035
	10	2 × 15	2	4	2,330	3,050	1,010	18.9	18.7	13.4	120	2050
	10	3 × 15	2	5	3,190	4,580	1,520	36.9	35.7	23.4	157	2065
	10	4 × 15	2	5	3,990	6,110	2,030	53.2	53.8	26.9	190	2080
	10	5 × 15	2	5	4,740	7,630	2,540	80.3	79.9	36.9	225	2095
	10	6 × 15	2	5	5,460	9,160	3,050	104	106	40.4	265	2110
	10	7 × 15	2	5	6,160	10,600	3,560	130	135	44.0	305	2125
M4	10	1 × 35	2	5	6,150	8,060	2,680	20.8	37.2	17.0	228	3055
	15	2 × 25	2	5	8,440	12,100	4,030	125	119	87.2	345	3080
	15	3 × 25	3	5	10,500	16,100	5,370	188	186	104	450	3105
	15	4 × 25	3	5	14,400	24,200	8,060	300	319	121	570	3130
	15	5 × 25	3	5	16,300	28,200	9,410	508	505	191	665	3155
	15	6 × 25	3	5	18,100	32,200	10,700	630	635	208	780	3180
	15	7 × 25	3	5	19,800	36,300	12,100	763	779	225	890	3205

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N ≅ 0.102kgf    1N · m ≅ 0.102kgf · m

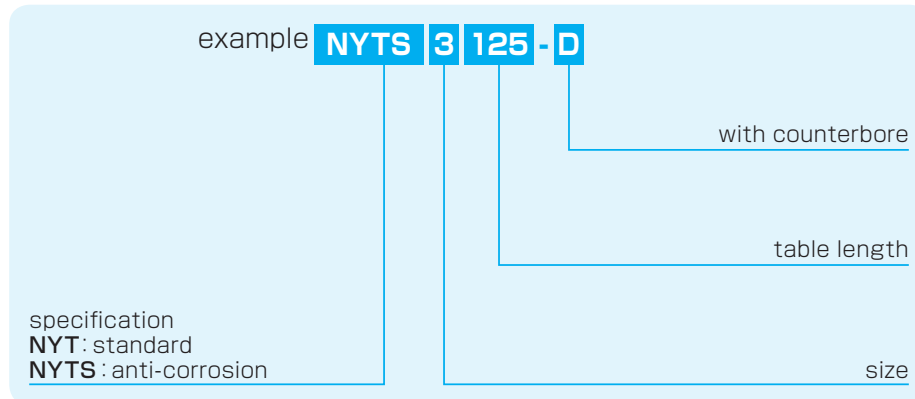


NIPPON BEARING

NYT-D TYPE



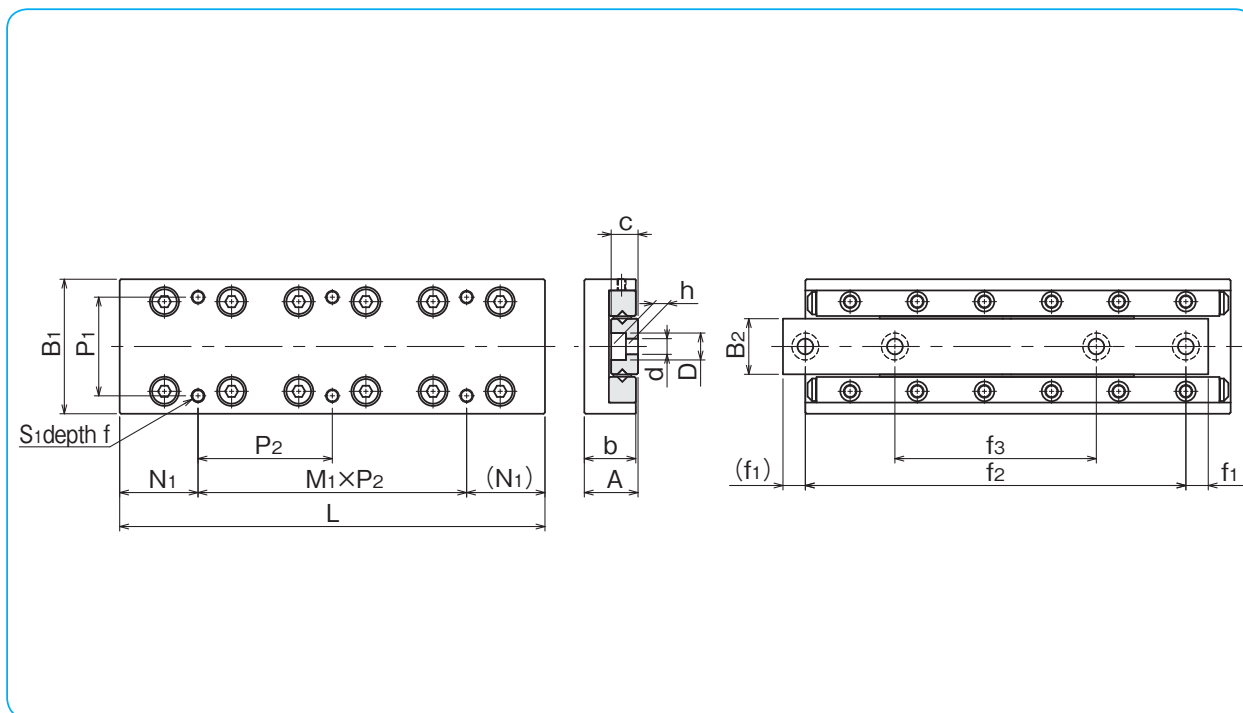
part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions				
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm	N <sub>1</sub> mm	M <sub>1</sub> × P <sub>2</sub> mm
NYT 1025-D	NYTS 1025-D	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3	3.5	1 × 18
1035-D	1035-D	18			35							3.5	1 × 28
1045-D	1045-D	25			45							12.5	1 × 20
1055-D	1055-D	32			55							12.5	1 × 30
1065-D	1065-D	40			65							12.5	2 × 20
1075-D	1075-D	45			75							22.5	1 × 30
1085-D	1085-D	50			85							12.5	2 × 30
NYT 2035-D	NYTS 2035-D	18	12±0.1	30±0.1	35	11.5	12.4	6	22	M3	5	3.5	1 × 28
2050-D	2050-D	30			50							3.5	1 × 43
2065-D	2065-D	40			65							17.5	1 × 30
2080-D	2080-D	50			80							17.5	1 × 45
2095-D	2095-D	60			95							17.5	2 × 30
2110-D	2110-D	70			110							32.5	1 × 45
2125-D	2125-D	80			125							17.5	2 × 45
NYT 3055-D	NYTS 3055-D	30	16±0.1	40±0.1	55	15.5	16.7	8	30	M4	7	7.5	1 × 40
3080-D	3080-D	45			80							7.5	1 × 65
3105-D	3105-D	60			105							27.5	1 × 50
3130-D	3130-D	75			130							27.5	1 × 75
3155-D	3155-D	90			155							27.5	2 × 50
3180-D	3180-D	105			180							52.5	1 × 75
3205-D	3205-D	130			205							27.5	2 × 75

The basic static load rating is the value at the center of the stroke.

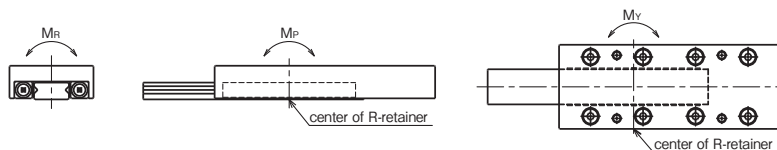
SLIDE TABLE



bed-surface mounting hole dimensions d×D×h	f <sub>1</sub>	f <sub>2</sub>	f <sub>3</sub>	accuracy ※(deviation)		basic load rating		allowable load F	allowable static moment			mass	size
				T μm	S μm	C N	Co N		M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m		
2.5×4.1×2.2	3.5	18	—	2	4	734	849	283	3.73	3.18	3.18	25	1025
	5	25	—	2	4	1,250	1,690	566	1.77	4.24	1.07	35	1035
	3.5	38	25	2	5	1,720	2,540	849	9.09	10.3	4.26	45	1045
	3.5	48	29	2	5	2,160	3,390	1,130	14.1	16.7	5.33	55	1055
	5	55	31	2	5	2,560	4,240	1,410	24.9	26.7	8.52	65	1065
	5	65	35	2	5	2,960	5,090	1,690	33.1	36.7	9.59	76	1075
	5	75	40	2	5	3,330	5,940	1,980	47.8	50.7	12.7	86	1085
3.5×6×3.3	5	25	—	2	4	1,360	1,520	509	10.1	8.80	9.93	84	2035
	7.5	35	—	2	4	2,330	3,050	1,010	18.9	18.7	13.4	120	2050
	5	55	33	2	5	3,190	4,580	1,520	36.9	35.7	23.4	157	2065
	5	70	40	2	5	3,990	6,110	2,030	53.2	53.8	26.9	190	2080
	5	85	45	2	5	4,740	7,630	2,540	80.3	79.9	36.9	225	2095
	7.5	95	50	2	5	5,460	9,160	3,050	104	106	40.4	265	2110
	7.5	110	55	2	5	6,160	10,600	3,560	130	135	44.0	305	2125
4.5×7.5×4.3	7.5	40	—	2	5	6,150	8,060	2,680	20.8	37.2	17.0	228	3055
	6	68	43	2	5	8,440	12,100	4,030	125	119	87.2	345	3080
	7.5	90	55	3	5	10,500	16,100	5,370	188	186	104	450	3105
	7.5	115	65	3	5	14,400	24,200	8,060	300	319	121	570	3130
	7.5	140	95	3	5	16,300	28,200	9,410	508	505	191	665	3155
	7.5	165	85	3	5	18,100	32,200	10,700	630	635	208	780	3180
	7.5	190	90	3	5	19,800	36,300	12,100	763	779	225	890	3205

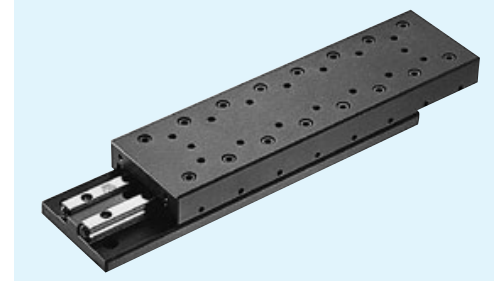
※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m

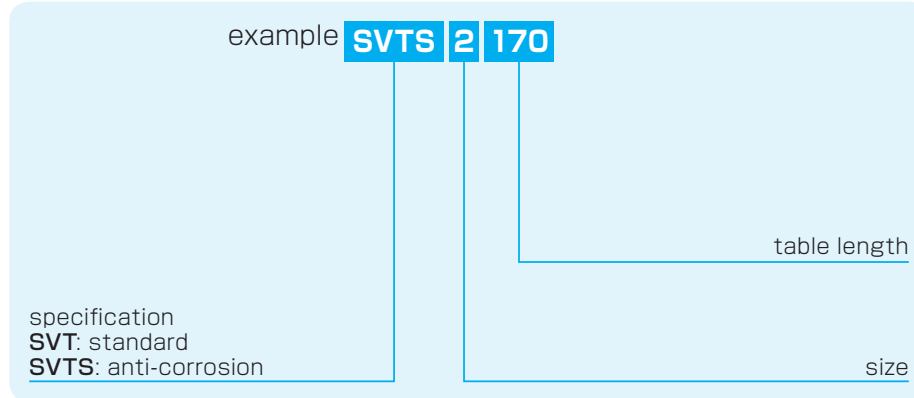


NIPPON BEARING

**SVT TYPE**  
-SVT1/SVT2-

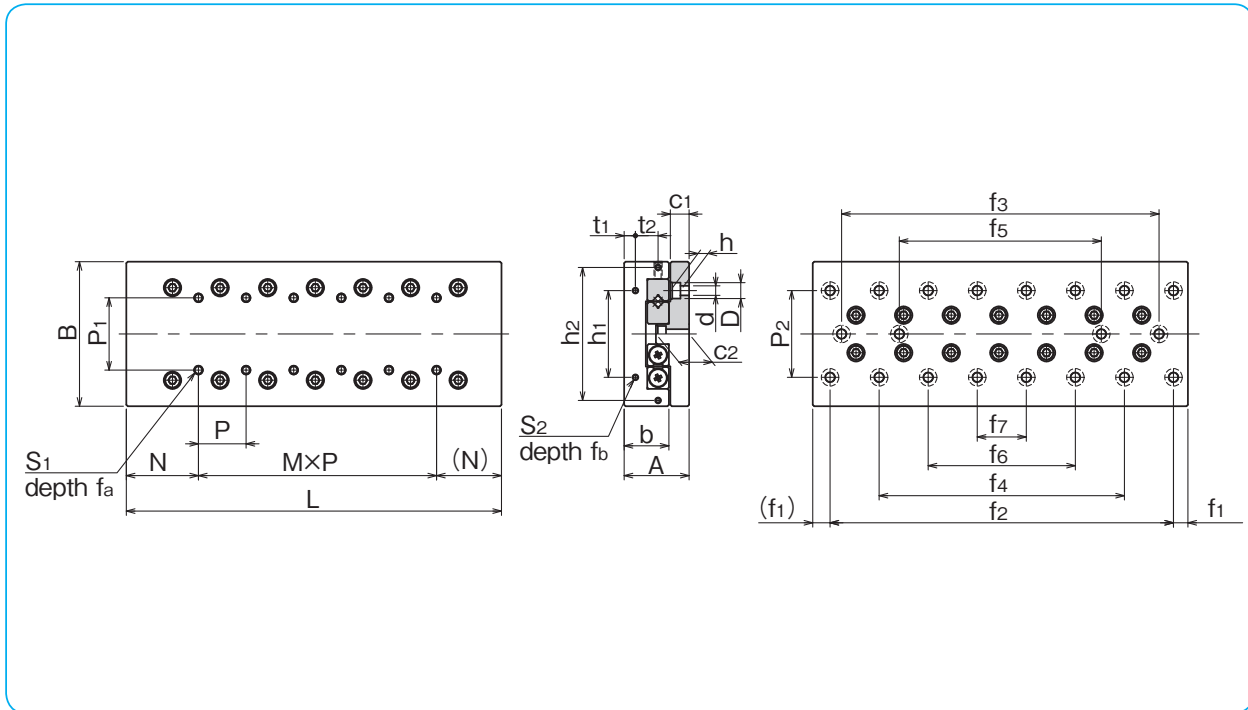


part number structure



part number		stroke ST mm	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion		A mm	B mm	L mm	b mm	P <sub>1</sub> mm	S <sub>1</sub>	f <sub>a</sub> mm	N mm	M×P mm	h <sub>1</sub> mm	h <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	S <sub>2</sub>	f <sub>b</sub> mm
<b>SVT 1025</b>	<b>SVTS 1025</b>	12	17±0.1	30 <sup>-0.2</sup>	25	11	10	M2	4	12.5	—	12	—	2.5	—	M2	6
<b>1035</b>	<b>1035</b>	18			35						1×10						
<b>1045</b>	<b>1045</b>	25			45						2×10						
<b>1055</b>	<b>1055</b>	32			55						3×10						
<b>1065</b>	<b>1065</b>	40			65						4×10						
<b>1075</b>	<b>1075</b>	45			75						5×10						
<b>1085</b>	<b>1085</b>	50			85						6×10						
<b>SVT 2035</b>	<b>SVTS 2035</b>	18	21±0.1	40 <sup>-0.2</sup>	35	14	15	M3	6	17.5	—	16	—	3.4	—	M2	6
<b>2050</b>	<b>2050</b>	30			50						1×15						
<b>2065</b>	<b>2065</b>	40			65						2×15						
<b>2080</b>	<b>2080</b>	50			80						3×15						
<b>2095</b>	<b>2095</b>	60			95						4×15						
<b>2110</b>	<b>2110</b>	70			110						5×15						
<b>2125</b>	<b>2125</b>	80			125						6×15						
<b>2140</b>	<b>2140</b>	90			140						7×15						
<b>2155</b>	<b>2155</b>	100			155						8×15						
<b>2170</b>	<b>2170</b>	110			170						9×15						
<b>2185</b>	<b>2185</b>	120	185	10×15													

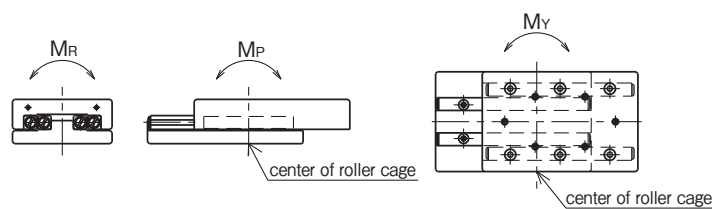
SLIDE TABLE



bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating		allowable	allowable static moment			mass		size
P <sub>2</sub> mm	d×D×h mm	c <sub>1</sub> mm	c <sub>2</sub> mm	f <sub>1</sub> mm	f <sub>2</sub> mm	f <sub>3</sub> mm	f <sub>4</sub> mm	f <sub>5</sub> mm	f <sub>6</sub> mm	f <sub>7</sub> mm	T μm	S μm	C N	Co N	F N	M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m	SVT g	SVTS g		
22	25×4.5×2.5	5.5	9	3.5	18	-	-	-	-	-	2	4	464	476	158	1.79	1.47	3.22	82	36	1025	
					28	-	-	-	-	-	2	4	805	952	316	3.08	3.5	6.45	120	50	1035	
					38	-	-	-	-	-	2	4	959	1,190	396	6.98	6.4	8.06	158	69	1045	
					48	-	28	-	-	-	2	5	1,100	1,420	475	9.53	8.81	9.68	190	83	1055	
					58	-	38	-	-	-	2	5	1,240	1,660	554	12.4	11.6	11.2	225	98	1065	
					68	-	48	-	-	-	2	5	1,510	2,140	712	19.3	18.3	14.5	260	113	1075	
					78	-	58	-	-	-	2	5	1,650	2,380	792	23.4	22.3	16.1	295	128	1085	
30	3.5×6.5×3.5	6.5	10.9	5	25	-	-	-	-	-	2	4	1,090	1,170	390	7.04	5.78	10.5	195	90	2035	
					40	-	-	-	-	-	2	4	1,510	1,750	585	12.1	10.7	15.8	280	133	2050	
					55	-	-	-	-	-	2	5	1,900	2,340	780	19.1	17.1	21.1	370	175	2065	
					70	-	40	-	-	-	2	5	2,620	3,510	1,170	27.4	29.6	31.6	450	220	2080	
					85	-	55	-	-	-	2	5	2,950	4,100	1,360	37.4	39.9	36.9	540	250	2095	
					100	-	70	-	-	-	3	6	3,280	4,680	1,560	61.7	58.1	42.2	630	285	2110	
					115	-	85	-	-	-	3	6	3,590	5,270	1,750	76.1	72.1	47.5	720	330	2125	
					130	-	100	-	70	-	3	6	4,210	6,440	2,140	92	95.9	58.1	800	360	2140	
					145	-	115	-	85	-	3	6	4,500	7,030	2,340	109	113	63.3	880	400	2155	
					160	-	130	-	100	-	3	7	4,790	7,610	2,530	148	143	68.6	970	440	2170	
					175	-	145	-	115	85	3	7	5,080	8,200	2,730	170	164	73.9	1,060	480	2185	

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N ≒ 0.102kgf 1N · m ≒ 0.102kgf · m



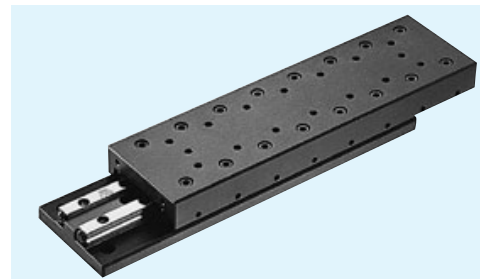
G-41

SLIDE TABLE

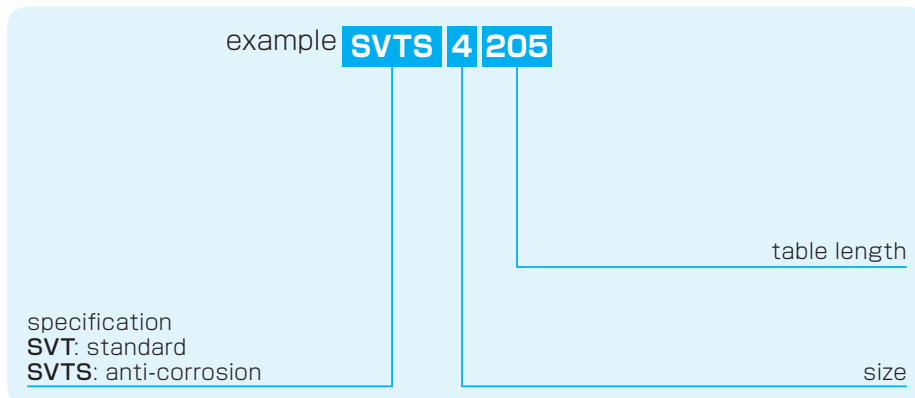
NIPPON BEARING

SVT TYPE

-SVT3/SVT4-

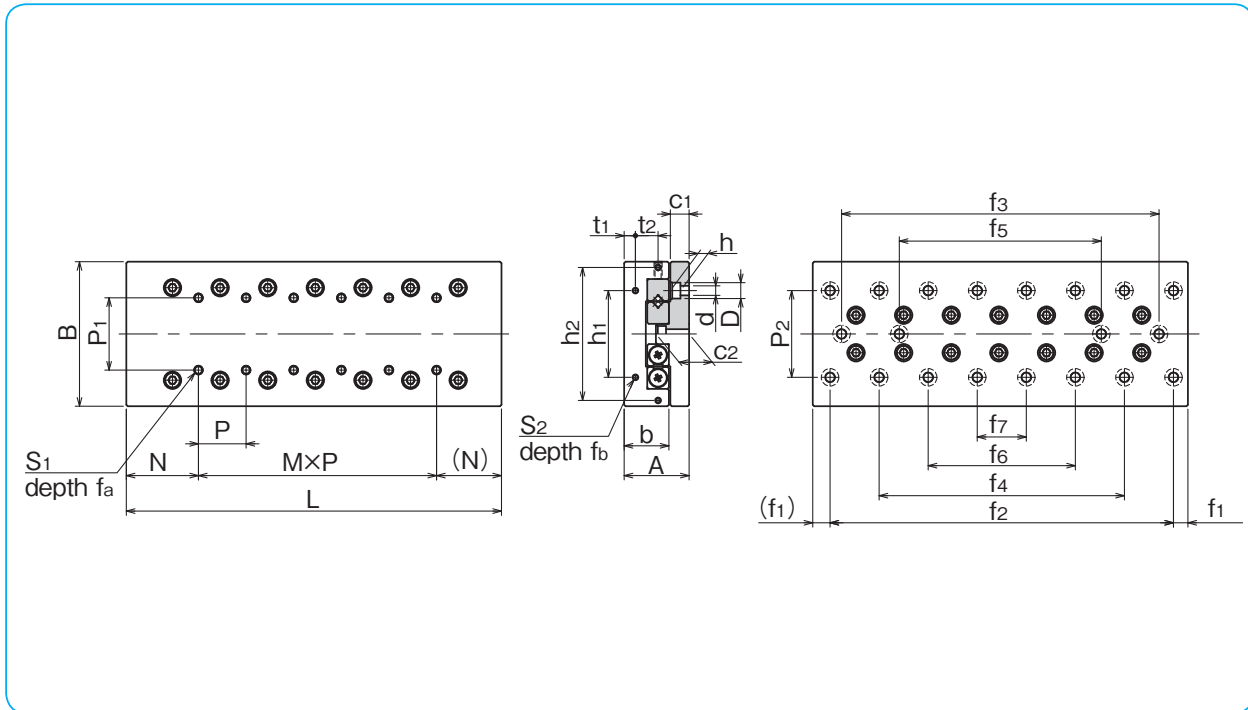


part number structure



part number		stroke ST mm	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion		A mm	B mm	L mm	b mm	P <sub>1</sub> mm	S <sub>1</sub>	f <sub>a</sub> mm	N mm	M×P mm	h <sub>1</sub> mm	h <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	S <sub>2</sub>	f <sub>b</sub> mm
<b>SVT 3055</b>	<b>SVTS 3055</b>	30	28±0.1	60±0.1	55	18.5	25	M4	8	27.5	—	40	—	5.5	—	M3	6
<b>3080</b>	<b>3080</b>	45			80						1×25						
<b>3105</b>	<b>3105</b>	60			105						2×25						
<b>3130</b>	<b>3130</b>	75			130						3×25						
<b>3155</b>	<b>3155</b>	90			155						4×25						
<b>3180</b>	<b>3180</b>	105			180						5×25						
<b>3205</b>	<b>3205</b>	130			205						6×25						
<b>3230</b>	<b>3230</b>	155			230						7×25						
<b>3255</b>	<b>3255</b>	180			255						8×25						
<b>3280</b>	<b>3280</b>	205			280						9×25						
<b>3305</b>	<b>3305</b>	230			305						10×25						
<b>SVT 4085</b>	<b>SVTS 4085</b>	50	35±0.1	80±0.1	85	24	40	M5	10	42.5	—	55	—	6.5	—	M3	6
<b>4125</b>	<b>4125</b>	75			125						1×40						
<b>4165</b>	<b>4165</b>	105			165						2×40						
<b>4205</b>	<b>4205</b>	130			205						3×40						
<b>4245</b>	<b>4245</b>	155			245						4×40						
<b>4285</b>	<b>4285</b>	185			285						5×40						
<b>4325</b>	<b>4325</b>	210			325						6×40						
<b>4365</b>	<b>4365</b>	235			365						7×40						
<b>4405</b>	<b>4405</b>	265			405						8×40						

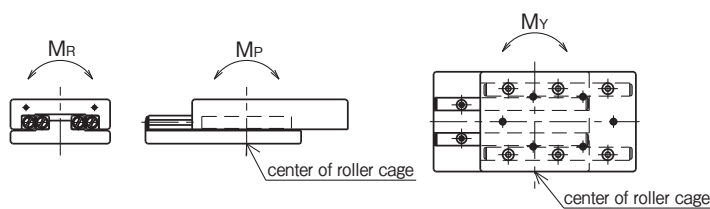
SLIDE TABLE



bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating		allowable	allowable static moment			mass		size
P <sub>2</sub> mm	d×D×h mm	c <sub>1</sub> mm	c <sub>2</sub> mm	f <sub>1</sub> mm	f <sub>2</sub> mm	f <sub>3</sub> mm	f <sub>4</sub> mm	f <sub>5</sub> mm	f <sub>6</sub> mm	f <sub>7</sub> mm	T μm	S μm	C N	Co N	F N	M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m	SVT g	SVTS g		
40	4.5×8×4.5	9	15	10	35	—	—	—	—	—	2	5	3,490	3,890	1,290	19.4	22.2	54.5	640	300	<b>3055</b>	
					60	—	—	—	—	—	2	5	5,230	6,490	2,160	53.0	58.0	90.9	955	440	<b>3080</b>	
					85	—	—	—	—	—	3	6	6,030	7,780	2,590	103	95.7	109	1,250	580	<b>3105</b>	
					110	—	—	—	—	—	3	6	7,560	10,300	3,450	170	160	145	1,570	715	<b>3130</b>	
					135	85	—	—	—	—	3	6	9,000	12,900	4,320	210	220	181	1,850	850	<b>3155</b>	
					160	110	—	—	—	—	3	7	10,300	15,500	5,180	302	314	218	2,150	990	<b>3180</b>	
					185	135	85	—	—	—	3	7	11,000	16,800	5,610	355	367	236	2,450	1,130	<b>3205</b>	
					210	160	110	—	—	—	3	7	11,700	18,100	6,040	472	455	254	2,740	1,270	<b>3230</b>	
					235	185	135	—	—	—	3	7	12,900	20,700	6,910	537	552	290	3,040	1,410	<b>3255</b>	
					260	210	160	110	—	—	3	7	13,600	22,000	7,340	606	622	309	3,360	1,540	<b>3280</b>	
285	235	185	135	—	—	3	7	14,200	23,300	7,770	757	735	372	3,660	1,680	<b>3305</b>						
55	5.5×10×5.4	10.5	18	10	65	—	—	—	—	—	2	5	7,110	7,920	2,640	96.0	84.9	159	1,700	780	<b>4085</b>	
					105	—	—	—	—	—	3	6	10,600	13,200	4,400	217	199	265	2,500	1,140	<b>4125</b>	
					145	—	—	—	—	—	3	7	13,800	18,400	6,160	296	316	371	3,300	1,510	<b>4165</b>	
					185	105	—	—	—	—	3	7	16,800	23,700	7,920	488	513	477	4,100	1,870	<b>4205</b>	
					225	145	—	—	—	—	3	7	19,700	29,000	9,680	729	759	584	4,900	2,240	<b>4245</b>	
					265	185	—	—	—	—	3	7	22,400	34,300	11,400	1,010	1,050	690	5,700	2,600	<b>4285</b>	
					305	225	145	—	—	—	4	8	25,100	39,600	13,200	1,350	1,390	796	6,500	3,000	<b>4325</b>	
					345	265	185	—	—	—	4	8	27,600	44,800	14,900	1,730	1,780	902	7,300	3,300	<b>4365</b>	
					385	305	225	—	—	—	4	8	28,900	47,500	15,800	2,160	2,100	955	8,100	3,700	<b>4405</b>	

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N ≅ 0.102kgf 1N · m ≅ 0.102kgf · m



G-43

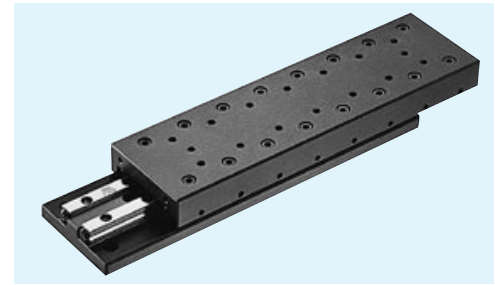
SLIDE TABLE



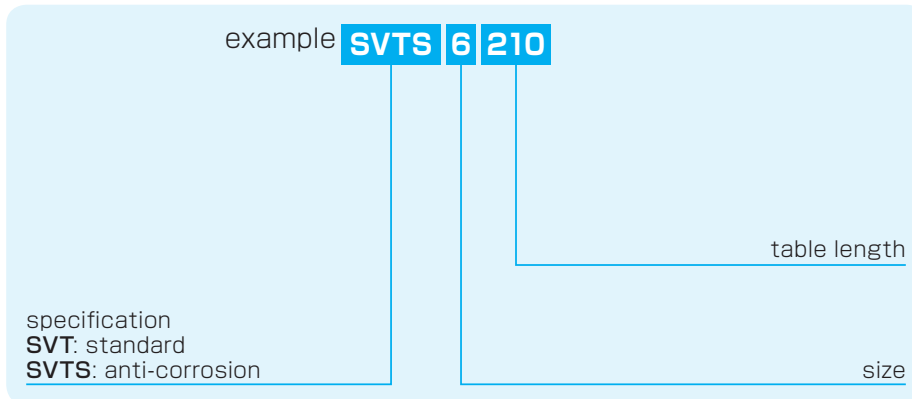
NIPPON BEARING

SVT TYPE

-SVT6/SVT9-

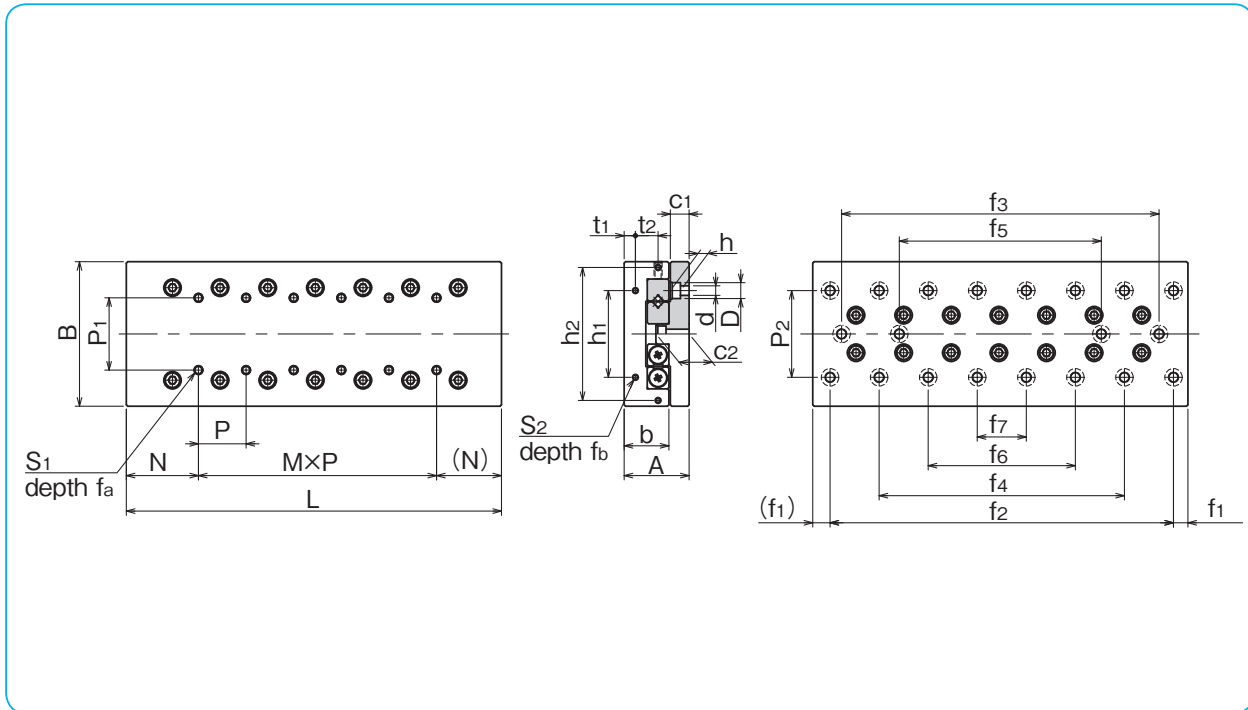


part number structure



part number		stroke ST mm	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion		A mm	B mm	L mm	b mm	P <sub>1</sub> mm	S <sub>1</sub>	f <sub>a</sub> mm	N mm	M×P mm	h <sub>1</sub> mm	h <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	S <sub>2</sub>	f <sub>b</sub> mm
<b>SVT 6110</b>	<b>SVTS 6110</b>	60	45±0.1	100±0.1	110	31	50	M6	12	55	—	60	92	8	15	M4	8
<b>6160</b>	<b>6160</b>	95			160						1×50						
<b>6210</b>	<b>6210</b>	130			210						2×50						
<b>6260</b>	<b>6260</b>	165			260						3×50						
<b>6310</b>	<b>6310</b>	200			310						4×50						
<b>6360</b>	<b>6360</b>	235			360						5×50						
<b>6410</b>	<b>6410</b>	265			410						6×50						
<b>6460</b>	<b>6460</b>	300			460						7×50						
<b>6510</b>	<b>6510</b>	335			510						8×50						
<b>SVT 9210</b>	—	130			60±0.1						145±0.1						
<b>9310</b>	—	180	310	1×100													
<b>9410</b>	—	350	410	2×100													
<b>9510</b>	—	450	510	3×100													
<b>9610</b>	—	550	610	4×100													
<b>9710</b>	—	650	710	5×100													
<b>9810</b>	—	750	810	6×100													
<b>9910</b>	—	850	910	7×100													
<b>91010</b>	—	950	1,010	8×100													

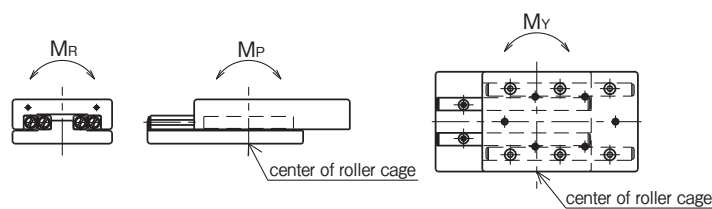
SLIDE TABLE



bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating		allowable	allowable static moment			mass		size
P <sub>2</sub> mm	d×D×h mm	c <sub>1</sub> mm	c <sub>2</sub> mm	f <sub>1</sub> mm	f <sub>2</sub> mm	f <sub>3</sub> mm	f <sub>4</sub> mm	f <sub>5</sub> mm	f <sub>6</sub> mm	f <sub>7</sub> mm	T μm	S μm	C N	Co N	F N	M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m	SVT g	SVTS g		
60	7×11.5×7	13	23	10	90	—	—	—	—	—	3	6	16,500	17,700	5,910	260	230	400	3,280	1,705	6110	
					140	—	—	—	—	—	3	6	24,700	29,600	9,860	588	539	666	4,820	2,480	6160	
					190	90	—	—	—	—	3	7	32,200	41,400	13,800	1,040	978	933	6,270	3,255	6210	
					240	140	—	—	—	—	3	7	39,200	53,200	17,700	1,630	1,540	1,200	7,740	4,030	6260	
					290	190	—	—	—	—	3	7	45,800	65,100	21,600	2,340	2,240	1,460	9,200	4,805	6310	
					340	240	140	—	—	—	4	8	52,200	76,900	25,600	2,750	2,850	1,730	10,740	5,580	6360	
					390	290	190	—	—	—	4	8	58,400	88,800	29,500	3,660	3,770	2,000	12,190	6,355	6410	
					440	340	240	—	—	—	4	8	64,400	100,000	33,500	4,700	4,830	2,260	13,800	7,130	6460	
					490	390	290	190	—	—	4	8	70,200	112,000	37,400	5,870	6,010	2,530	15,300	7,905	6510	
90	9×14×9	16	29	55	100	—	—	—	—	—	3	7	51,100	56,500	18,800	1,610	1,440	2,030	12,520	—	9210	
					200	—	—	—	—	—	3	7	79,300	98,900	32,900	3,150	3,360	3,560	17,950	—	9310	
					300	100	—	—	—	—	4	8	79,300	98,900	32,900	4,110	3,840	3,560	23,950	—	9410	
					400	200	—	—	—	—	4	8	96,600	127,000	42,300	6,420	6,080	4,580	30,090	—	9510	
					500	300	100	—	—	—	4	9	112,000	155,000	51,700	7,760	8,090	5,600	35,990	—	9610	
					600	400	200	—	—	—	4	9	128,000	183,000	61,100	10,800	11,200	6,620	41,890	—	9710	
					700	500	300	100	—	—	5	10	136,000	197,000	65,800	14,400	13,900	7,130	47,790	—	9810	
					800	600	400	200	—	—	5	10	151,000	226,000	75,200	18,500	17,900	8,140	53,690	—	9910	
					900	700	500	300	100	—	5	10	165,000	254,000	84,600	23,100	22,400	9,160	59,590	—	91010	

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N ≒ 0.102kgf 1N · m ≒ 0.102kgf · m

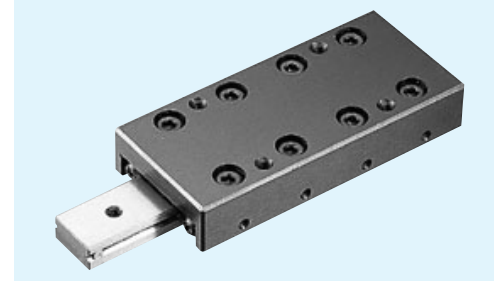


G-45

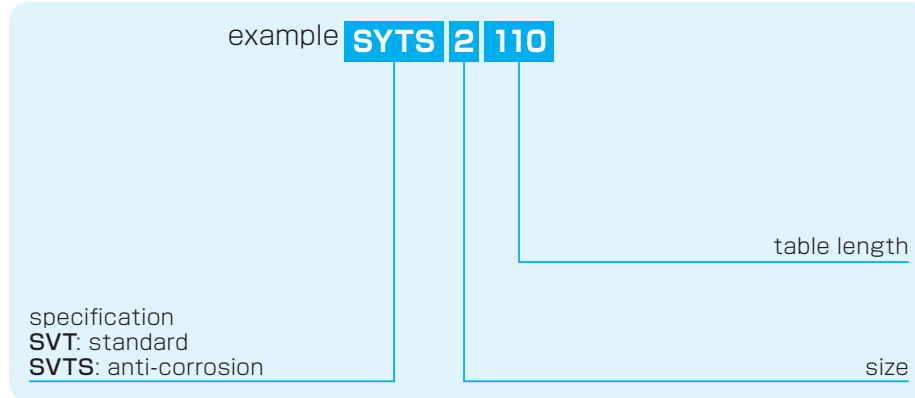
SLIDE TABLE

NIPPON BEARING

**SYT TYPE**  
-SYT1/SYT2-

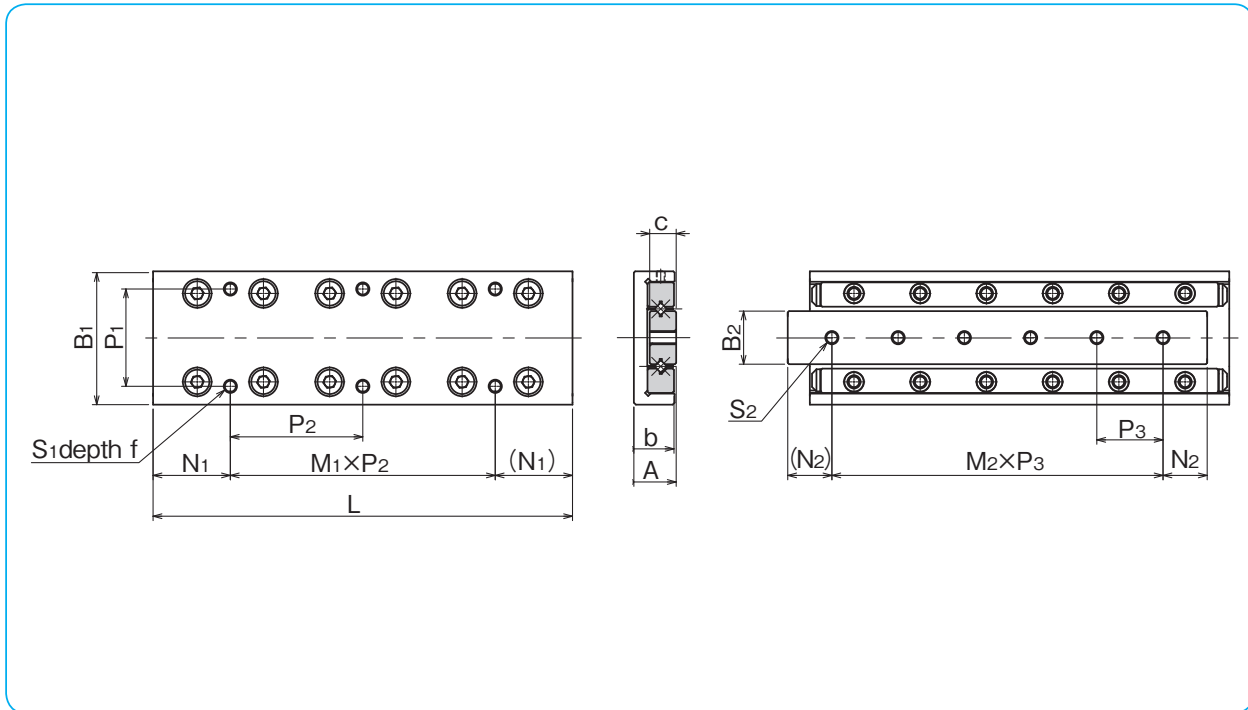


part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions		
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm
<b>SYT 1025</b>	<b>SYTS 1025</b>	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3
<b>1035</b>	<b>1035</b>	18			35						
<b>1045</b>	<b>1045</b>	25			45						
<b>1055</b>	<b>1055</b>	32			55						
<b>1065</b>	<b>1065</b>	40			65						
<b>1075</b>	<b>1075</b>	45			75						
<b>1085</b>	<b>1085</b>	50			85						
<b>SYT 2035</b>	<b>SYTS 2035</b>	18	12±0.1	30±0.1	35	11.5	12	6	22	M3	5
<b>2050</b>	<b>2050</b>	30			50						
<b>2065</b>	<b>2065</b>	40			65						
<b>2080</b>	<b>2080</b>	50			80						
<b>2095</b>	<b>2095</b>	60			95						
<b>2110</b>	<b>2110</b>	70			110						
<b>2125</b>	<b>2125</b>	80			125						

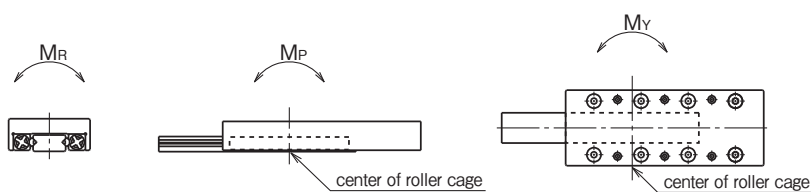
SLIDE TABLE



N <sub>1</sub> mm	M <sub>1</sub> ×P <sub>2</sub> mm	bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating		allowable load F N	allowable static moment			mass g	size
		S <sub>2</sub>	N <sub>2</sub> mm	M <sub>2</sub> ×P <sub>3</sub> mm	T μm	S μm	C N	Co N		M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m		
3.5	1×18	M2.6	5	2×7.5	2	4	464	476	158	1.79	1.47	1.79	22	1025
3.5	1×28		7.5	2×10	2	4	805	952	316	3.08	3.50	3.58	33	1035
12.5	1×20		7.5	3×10	2	5	959	1,190	396	6.98	6.40	4.48	42	1045
12.5	1×30		7.5	4×10	2	5	1,100	1,420	475	9.53	8.81	5.37	52	1055
12.5	2×20		7.5	5×10	2	5	1,240	1,660	554	12.4	11.6	6.27	63	1065
22.5	1×30		7.5	6×10	2	5	1,510	2,140	712	19.3	18.3	8.06	72	1075
12.5	2×30		7.5	7×10	2	5	1,650	2,380	792	23.4	22.3	8.96	83	1085
3.5	1×28	M3	7.5	1×20	2	4	1,090	1,170	390	7.04	5.78	7.63	79	2035
3.5	1×43		10	2×15	2	4	1,510	1,750	585	12.1	10.7	11.4	113	2050
17.5	1×30		10	3×15	2	5	1,900	2,340	780	19.1	17.1	15.2	150	2065
17.5	1×45		10	4×15	2	5	2,620	3,510	1,170	27.4	29.6	22.8	185	2080
17.5	2×30		10	5×15	2	5	2,950	4,100	1,360	37.4	39.9	26.7	215	2095
32.5	1×45		10	6×15	2	5	3,280	4,680	1,560	61.7	58.1	30.5	255	2110
17.5	2×45		10	7×15	2	5	3,590	5,270	1,750	76.1	72.1	34.3	295	2125

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m

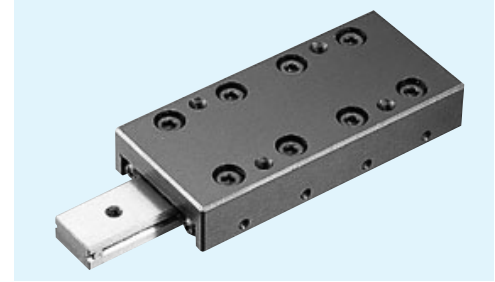


G-47

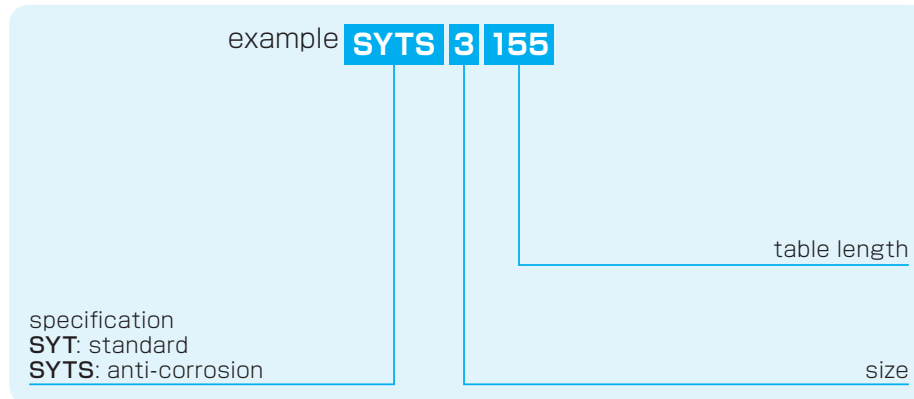
SLIDE TABLE

NIPPON BEARING

**SYT TYPE**  
-SYT3-

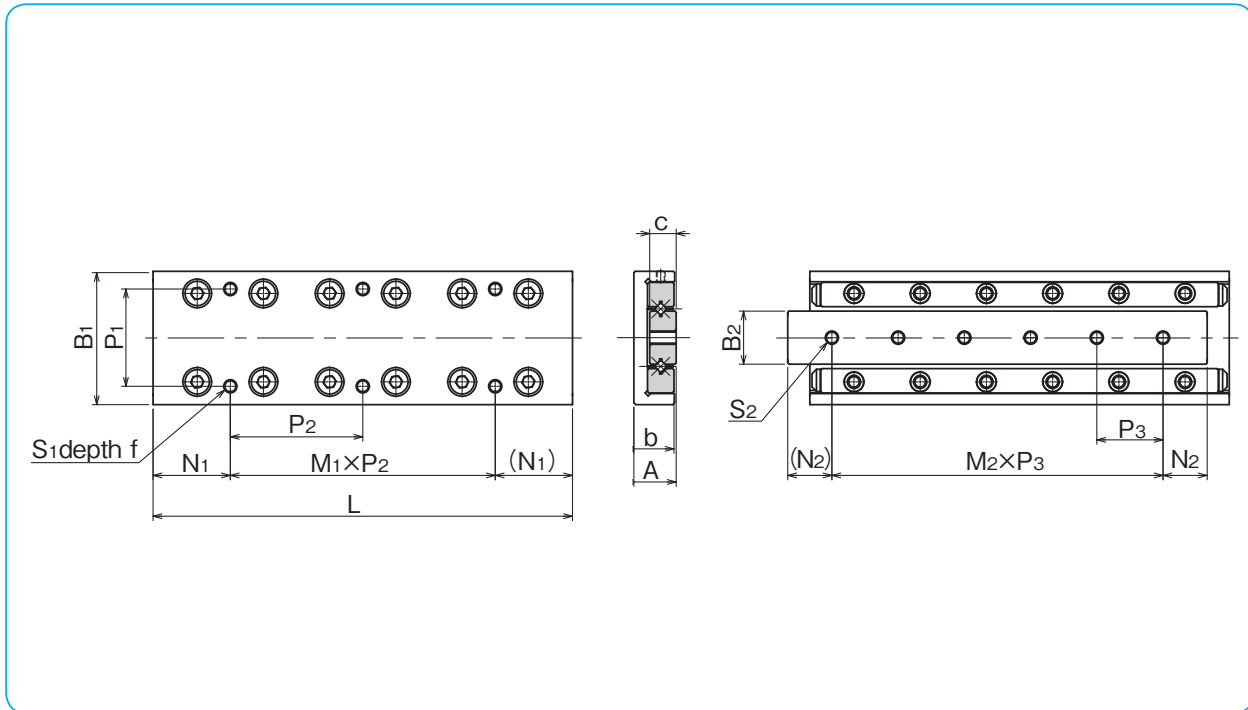


part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions		
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm
<b>SYT 3055</b>	<b>SYTS 3055</b>	30	16±0.1	40±0.1	55	15.5	16	8	30	M4	7
<b>3080</b>	<b>3080</b>	45			80						
<b>3105</b>	<b>3105</b>	60			105						
<b>3130</b>	<b>3130</b>	75			130						
<b>3155</b>	<b>3155</b>	90			155						
<b>3180</b>	<b>3180</b>	105			180						
<b>3205</b>	<b>3205</b>	130			205						

SLIDE TABLE

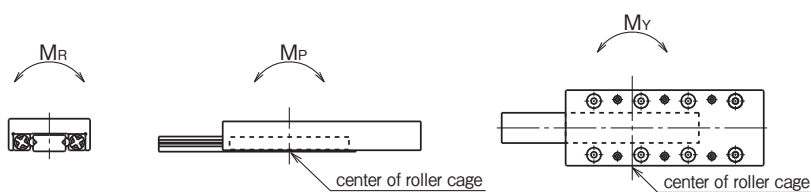


N <sub>1</sub> mm	M <sub>1</sub> ×P <sub>2</sub> mm	bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating		allowable load F N	allowable static moment			mass g	size
		S <sub>2</sub>	N <sub>2</sub> mm	M <sub>2</sub> ×P <sub>3</sub> mm	T μm	S μm	C N	C <sub>0</sub> N		M <sub>P</sub> N·m	M <sub>Y</sub> N·m	M <sub>R</sub> N·m		
7.5	1×40	M4	10	1×35	2	5	3,490	3,890	1,290	19.4	22.2	33.8	225	<b>3055</b>
7.5	1×65		15	2×25	2	5	5,230	6,490	2,160	53.0	58.0	56.4	340	<b>3080</b>
27.5	1×50		15	3×25	3	5	6,030	7,790	2,590	103	95.7	67.7	440	<b>3105</b>
27.5	1×75		15	4×25	3	5	7,560	10,300	3,450	170	160	90.3	560	<b>3130</b>
27.5	2×50		15	5×25	3	5	9,000	12,900	4,320	210	220	112	655	<b>3155</b>
52.5	1×75		15	6×25	3	5	10,300	15,500	5,180	302	314	135	770	<b>3180</b>
27.5	2×75		15	7×25	3	5	11,000	16,800	5,610	355	367	146	880	<b>3205</b>

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m

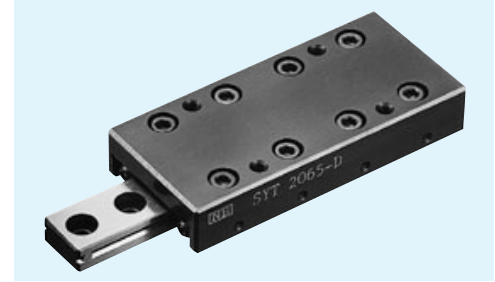
SLIDE TABLE



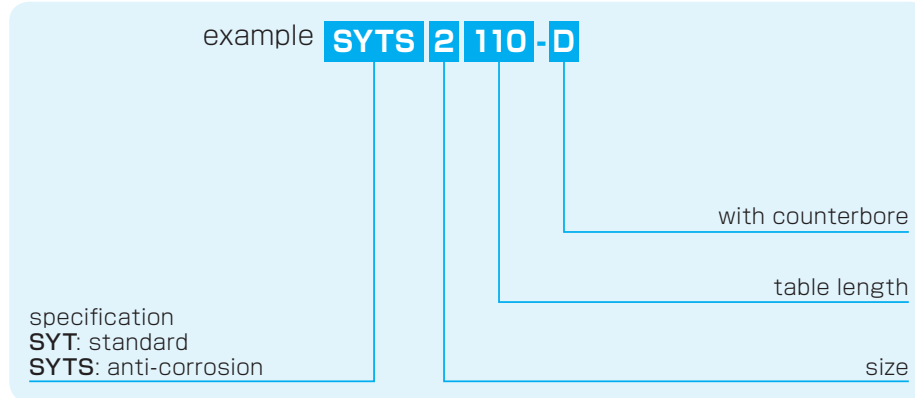
G-49

NIPPON BEARING

**SYT-D TYPE**  
-SYT1/SYT2-

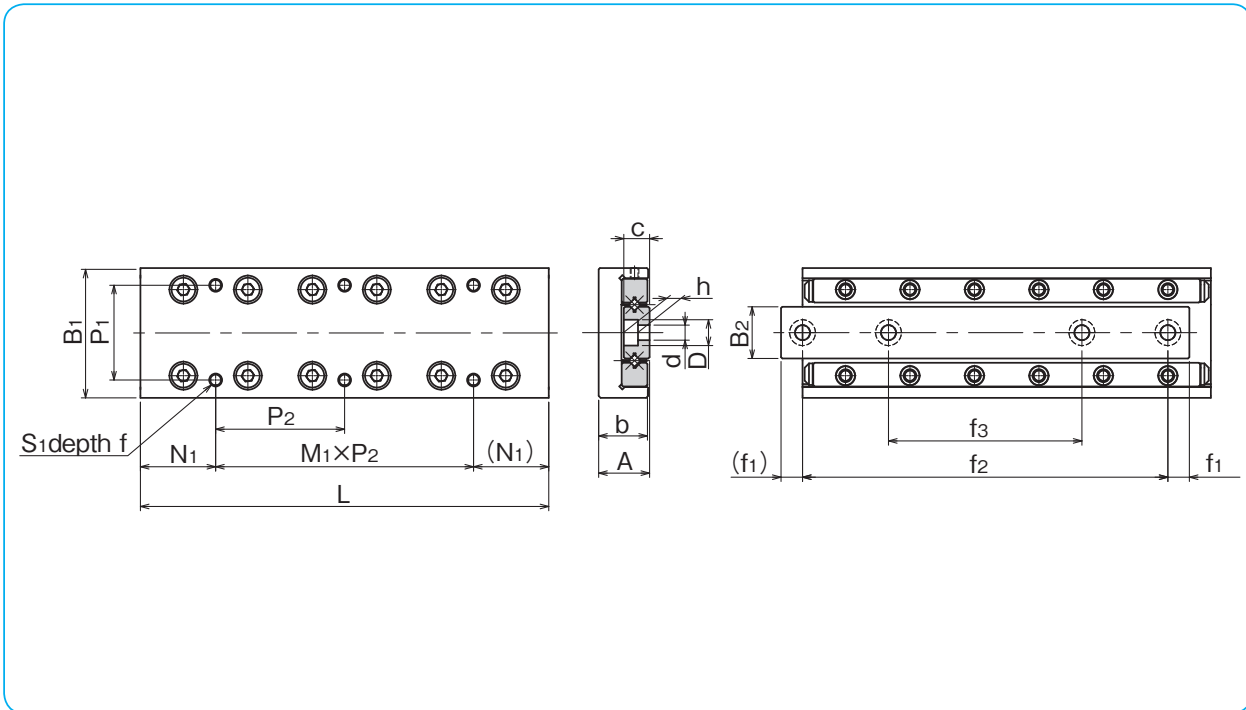


part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions			
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm	N <sub>1</sub> mm
<b>SYT 1025-D</b>	<b>SYTS 1025-D</b>	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3	3.5
<b>1035-D</b>	<b>1035-D</b>	18			35							3.5
<b>1045-D</b>	<b>1045-D</b>	25			45							12.5
<b>1055-D</b>	<b>1055-D</b>	32			55							12.5
<b>1065-D</b>	<b>1065-D</b>	40			65							12.5
<b>1075-D</b>	<b>1075-D</b>	45			75							22.5
<b>1085-D</b>	<b>1085-D</b>	50			85							12.5
<b>SYT 2035-D</b>	<b>SYTS 2035-D</b>	18	12±0.1	30±0.1	35	11.5	12	6	22	M3	5	3.5
<b>2050-D</b>	<b>2050-D</b>	30			50							3.5
<b>2065-D</b>	<b>2065-D</b>	40			65							17.5
<b>2080-D</b>	<b>2080-D</b>	50			80							17.5
<b>2095-D</b>	<b>2095-D</b>	60			95							17.5
<b>2110-D</b>	<b>2110-D</b>	70			110							32.5
<b>2125-D</b>	<b>2125-D</b>	80			125							17.5

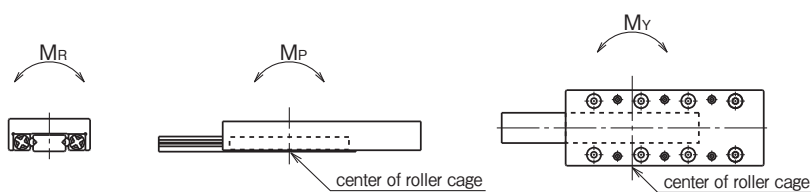
SLIDE TABLE



M1×P2 mm	bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating dynamic C N	static Co N	allowable load F N	allowable static moment			mass g	size	
	d×D×h mm	f1 mm	f2 mm	f3 mm	T μm				S μm	MP N·m	MY N·m			MR N·m
1×18	2.5×4.1×2.2	3.5	18	—	2	4	464	476	158	1.79	1.47	1.79	22	1025
1×28		5	25	—	2	4	805	952	316	3.08	3.50	3.58	33	1035
1×20		3.5	38	25	2	5	959	1,190	396	6.98	6.40	4.48	42	1045
1×30		3.5	48	29	2	5	1,100	1,420	475	9.53	8.81	5.37	52	1055
2×20		5	55	31	2	5	1,240	1,660	554	12.4	11.6	6.27	63	1065
1×30		5	65	35	2	5	1,510	2,140	712	19.3	18.3	8.06	72	1075
2×30		5	75	40	2	5	1,650	2,380	792	23.4	22.3	8.96	83	1085
1×28		5	25	—	2	4	1,090	1,170	390	7.04	5.78	7.63	79	2035
1×43	3.5×6×3.3	7.5	35	—	2	4	1,510	1,750	585	12.1	10.7	11.4	113	2050
1×30		5	55	33	2	5	1,900	2,340	780	19.1	17.1	15.2	150	2065
1×45		5	70	40	2	5	2,620	3,510	1,170	27.4	29.6	22.8	185	2080
2×30		5	85	45	2	5	2,950	4,100	1,360	37.4	39.9	26.7	215	2095
1×45		7.5	95	50	2	5	3,280	4,680	1,560	61.7	58.1	30.5	255	2110
2×45		7.5	110	55	2	5	3,590	5,270	1,750	76.1	72.1	34.3	295	2125

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m



G-51

SLIDE TABLE

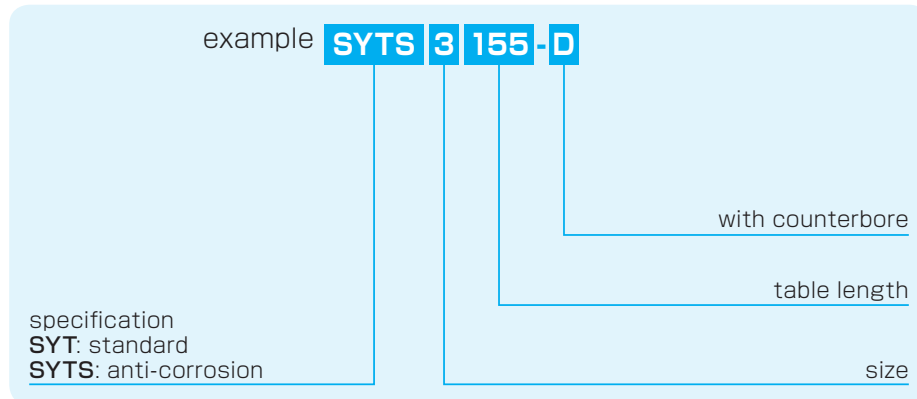


NIPPON BEARING

**SYT-D TYPE**  
-SYT3-

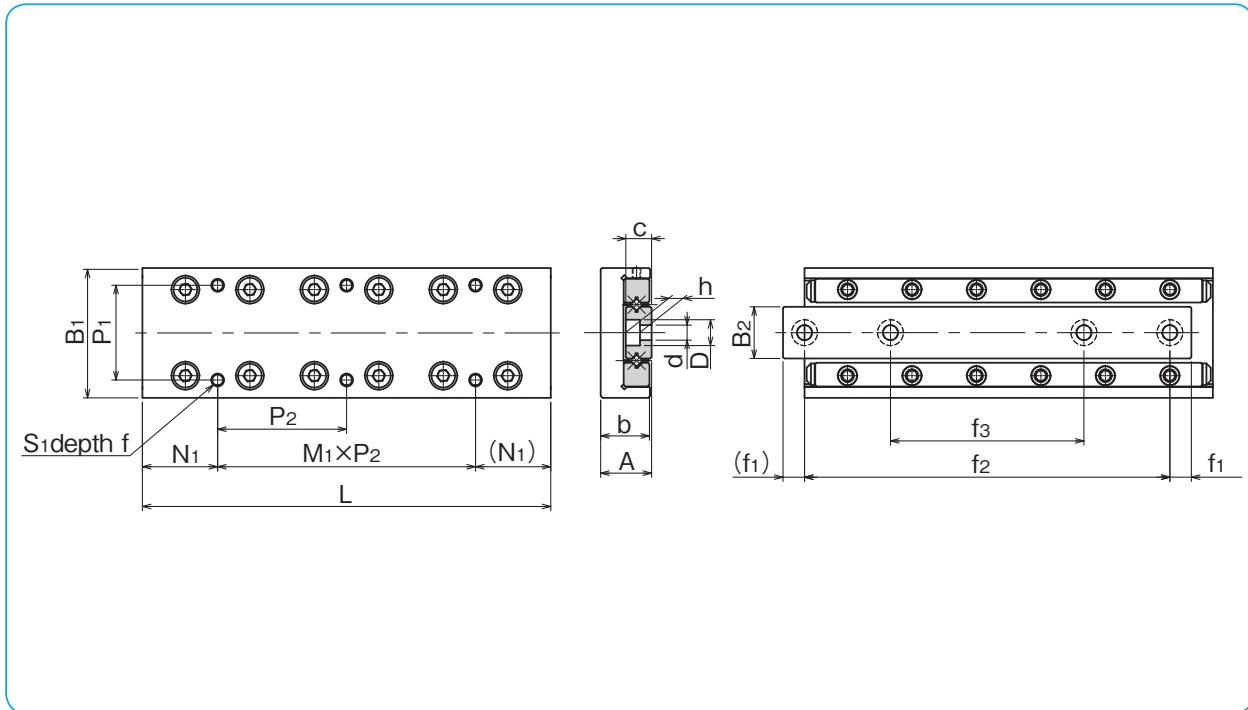


part number structure



part number		stroke ST mm	major dimensions						table-top mounting hole dimensions			
standard	anti-corrosion		A mm	B <sub>1</sub> mm	L mm	b mm	B <sub>2</sub> mm	c mm	P <sub>1</sub> mm	S <sub>1</sub>	f mm	N <sub>1</sub> mm
<b>SYT3055-D</b>	<b>SYTS3055-D</b>	30	16±0.1	40±0.1	55	15.5	16	8	30	M4	7	7.5
<b>3080-D</b>	<b>3080-D</b>	45			80							7.5
<b>3105-D</b>	<b>3105-D</b>	60			105							27.5
<b>3130-D</b>	<b>3130-D</b>	75			130							27.5
<b>3155-D</b>	<b>3155-D</b>	90			155							27.5
<b>3180-D</b>	<b>3180-D</b>	105			180							52.5
<b>3205-D</b>	<b>3205-D</b>	130			205							27.5

SLIDE TABLE

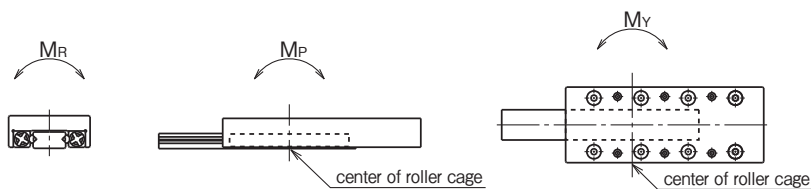


M <sub>1</sub> ×P <sub>2</sub> mm	bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating dynamic C N	static Co N	allowable load F N	allowable static moment			mass g	size	
	d×D×h mm	f <sub>1</sub> mm	f <sub>2</sub> mm	f <sub>3</sub> mm	T μm				S μm	M <sub>P</sub> N·m	M <sub>Y</sub> N·m			M <sub>R</sub> N·m
1×40	4.5×7.5×4.3	7.5	40	—	2	5	3,490	3,890	1,290	19.4	22.2	33.8	225	<b>3055</b>
1×65		6	68	43	2	5	5,230	6,490	2,160	53.0	58.0	56.4	340	<b>3080</b>
1×50		7.5	90	55	3	5	6,030	7,780	2,590	103	95.7	67.7	440	<b>3105</b>
1×75		7.5	115	65	3	5	7,560	10,300	3,450	170	160	90.3	560	<b>3130</b>
2×50		7.5	140	95	3	5	9,000	12,900	4,320	210	220	112	655	<b>3155</b>
1×75		7.5	165	85	3	5	10,300	15,500	5,180	302	314	135	770	<b>3180</b>
2×75		7.5	190	90	3	5	11,000	16,800	5,610	355	367	146	880	<b>3205</b>

※For accuracy (T, S), refer to Figure G-22 (page G-29).

1N≐0.102kgf 1N·m≐0.102kgf·m

SLIDE TABLE



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