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.

STUDROLLER system

The STUDROLLER system (slideway NV type) that prevents roller slippage is used for the linear motion part of NVT (S) type and NYT (S) type.

Upgraded Model

For the linear motion components of HVT (S) and HYT (S) types, we use a Slideway HV type which is a product with improved performance that has been redesigned from the conventional product (SV type).

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.

anti-corrosion・surface treatment

The anti-corrosion model combines a corrosion-resistant slideway with a table and bed made of stainless steel or aluminum alloy.
In addition to the anti-corrosion model, you can select the LB model with low-temperature black chrome treatment. To enhance the rust prevention effect, surface treatment is applied to the slideway rail and steel parts other than aluminum alloy, and the end pieces and screws are made of stainless steel.

Figure A-18 Structure of NVT type

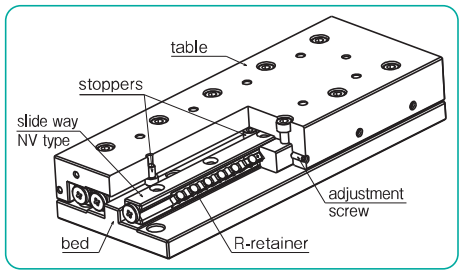


Figure A-19 Structure of NYT type

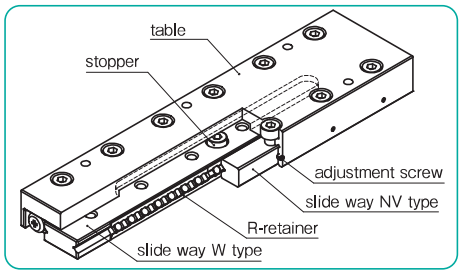


Figure A-20 Structure of HVT・SVT type

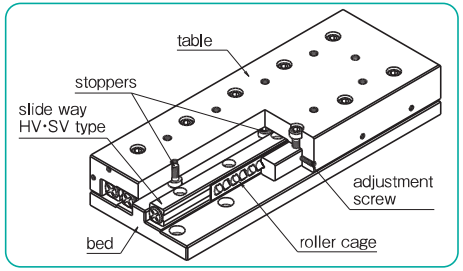
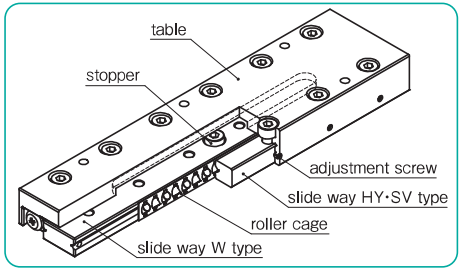


Figure A-21 Structure of HYT・SYT type



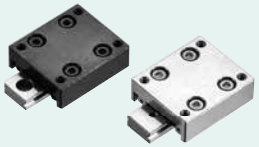
TYPES

NVT・NVTS type STUDROLLER System

P.A-38

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 sandwitched between an accurately machined aluminum table and bed.

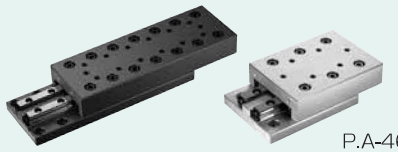
NYT・NYTS type STUDROLLER System



P.A-42

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.

HVT・HVTS type, SVT・SVTS type



P.A-46

Between the precision-ground table and bed, the HVT type has a performance-enhanced HV type rail, and the SVT type has an SV type rail installed.
The anti-corrosion type has an aluminum table and bed, the HVTS type has a anti-corrosion slideway HVS model with improved performance, and the SVTS type has a anti-corrosion slideway SVS model.

HYT・HYTS type, SYT・SYTS type

P.A-50

A thin and compact slide table that uses an integrated rail. Two types are available: tapped type and counterbore hole type (D type) which can be selected according to the usage.
The HYT type incorporates the HV type rail with improved performance, and the SYT type incorporates the SV type rail.
The anti-corrosion HYTS・SYTS type slide table is made of all stainless steel components.

SPECIFICATION

Refer to table A-8 for NB Slide Table material and operating temperature range.

Table A-8 Material and Operating Temperature Range

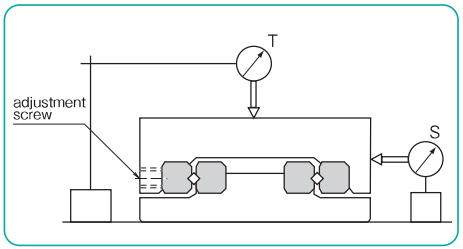
type	slide way			table/bed	operating temperature range
	rail	R-retainer/ roller cage	roller		
NVT	steel	resin	steel	steel	−20℃～ 80℃
NVTS	stainless steel		stainless steel	aluminum	5℃～ 35℃※1
NYT (-D)	steel		steel	steel	−20℃～ 80℃
NYTS (-D)	stainless steel		stainless steel	stainless steel	
HVT	steel	stainless steel	steel	steel	−20℃～110℃
HVTS	stainless steel		stainless steel	aluminum	5℃～ 35℃※1
HYT (-D)	steel		steel	steel	−20℃～110℃
HYTS (-D)	stainless steel		stainless steel	stainless steel	−20℃～140℃
SVT	steel	stainless steel	steel	steel	−20℃～110℃
SVTS	stainless steel		stainless steel	aluminum	5℃～ 35℃※1
SYT (-D)	steel		steel	steel	−20℃～110℃
SYTS (-D)	stainless steel		stainless steel	stainless steel	−20℃～140℃

※1 Please contact NB if the system is to be used out of this temperature range.

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 A-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 A-22 Accuracy Measurement Method



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-6 for the coefficients.

Life Time

$$L_h=\frac{L\cdot 10^6}{2\cdot \ell_S\cdot n_1\cdot 60}$$

L_h: life time (hr) ℓ_S: stroke length (mm)
n_1: number of cycles per minute (cpm)

LOAD RATING

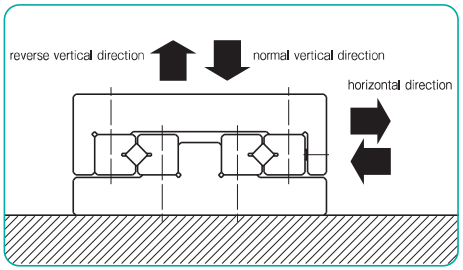
The load rating of the slide table NVT type and NYT type differs depending on the direction of the load.

Table A-9 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_0
	horizontal direction	0.84×C_0
	reverse vertical direction	0.68×C_0

※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 A-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

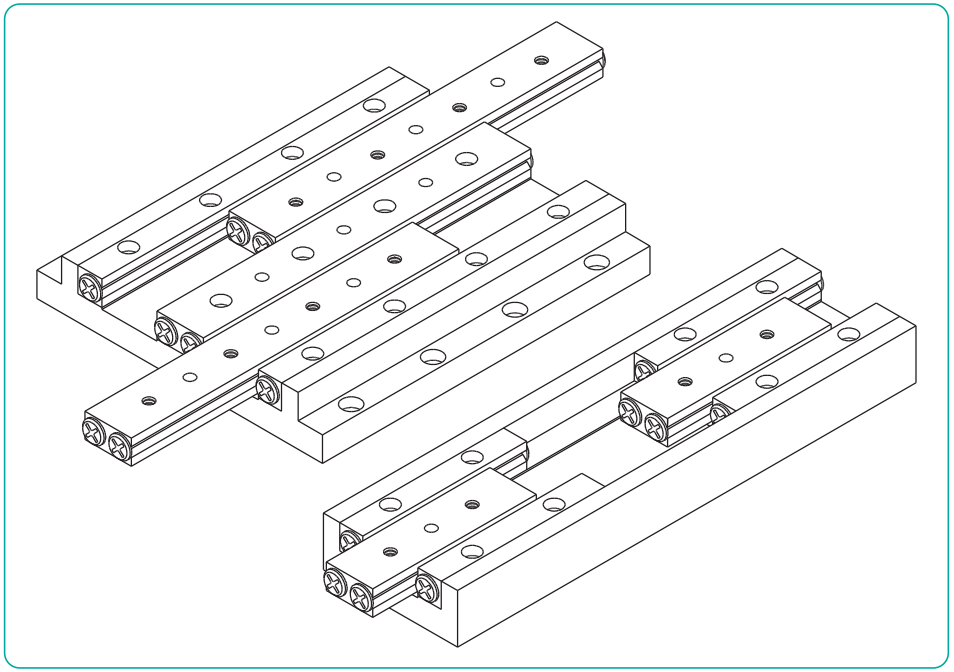
For the HVT・SVT type, HYT・SYT type, the cage can slip under high-speed motion, vertical application, unbalanced-loading, and vibrating conditions. It is advised that the motion speed be kept under 0.5m/s under general operating conditions. It is also recommended that the rails be cycled to perform the 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.

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.



NVT TYPE

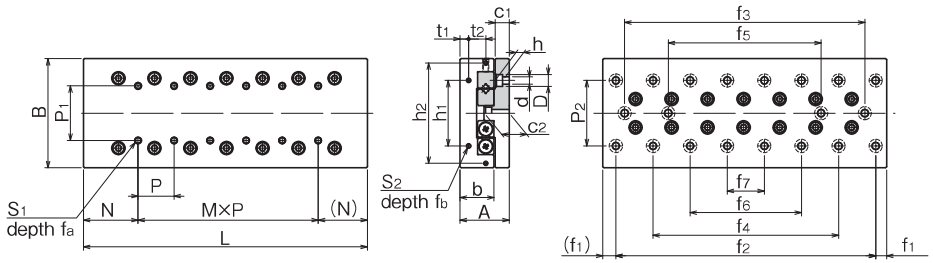
–NVT1／NVT2／NVT3–

STUDROLLER System

part number structure

example **NVT 3 205 -LB -KGLA**

- NVT 3: specification — NVT: standard; NVTS: anti-corrosion
- 205: size
- 205: table length
- -LB: with low temperature black chrome treatment
- -KGLA: grease symbol (refer to page Eng-51) — blank: standard grease; -KGLA: lithium-based low dust generation grease; -KGU: urea-based low dust generation grease; -KGF: anti-fretting grease

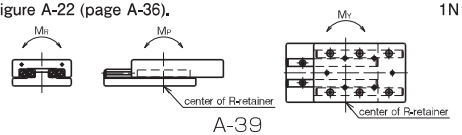


part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions					
standard	anti-corrosion	ST	A	B	L	b	P1	S1	fa	N	M×P	h1	h2	t1	t2	S2	fb
		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm		mm
NVT1025	NVTS1025	12	17±0.1	30 −0.2 −0.4	25	11	10	M2	4	12.5	—	12	—	2.5	—	M2	6
1035	1035	18			35						1×10						
1045	1045	25			45						2×10						
1055	1055	32			55						3×10						
1065	1065	40			65						4×10						
1075	1075	45			75						5×10						
1085	1085	50			85						6×10						
NVT2035	NVTS2035	18	21±0.1	40 −0.2 −0.4	35	14	15	M3	6	17.5	—	16	—	3.4	—	M2	6
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			110						5×15						
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						
NVT3055	NVTS3055	30	28±0.1	60±0.1	55	18.5	25	M4	8	27.5	—	40	—	5.5	—	M3	6
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			180						5×25						
3205	3205	130			205						6×25						
3230	3230	155			230						7×25						

bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass NVT	mass NVTS	size
P2	d×D×h	c1	c2	f1	f2	f3	f4	f5	f6	f7		T	S	C	Co	MP	MY	MR			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
22	2.5×4.5×2.5	5.5	9	3.5	18	—	—	—	—	—		2	4	734	849	3.73	3.18	5.73	87	39	1025
					28	—	—	—	—	—		2	4	1,250	1,690	1.73	4.22	1.88	124	55	1035
					38	—	—	—	—	—		2	4	1,720	2,540	9.05	10.3	7.62	160	71	1045
					48	—	28	—	—	—		2	5	2,160	3,390	14.0	16.7	9.50	195	87	1055
					58	—	38	—	—	—		2	5	2,560	4,240	24.8	26.7	15.2	231	103	1065
					68	—	48	—	—	—		2	5	2,960	5,090	33.0	36.7	17.1	267	119	1075
					78	—	58	—	—	—		2	5	3,330	5,940	47.7	50.6	22.8	303	136	1085
30	3.5×6.5×3.5	6.5	10.9	5	25	—	—	—	—	—		2	4	1,360	1,520	10.1	8.8	13.7	200	95	2035
					40	—	—	—	—	—		2	4	2,330	3,050	18.9	18.7	18.6	287	140	2050
					55	—	—	—	—	—		2	5	3,190	4,580	36.9	35.7	32.4	377	182	2065
					70	—	40	—	—	—		2	5	3,990	6,110	53.2	53.8	37.3	455	225	2080
					85	—	55	—	—	—		2	5	4,740	7,630	80.3	79.9	51.1	550	260	2095
					100	—	70	—	—	—		3	6	5,460	9,160	104	106	56.0	640	295	2110
					115	—	85	—	—	—		3	6	6,160	10,600	130	135	60.9	730	340	2125
					130	—	100	—	70	—		3	6	6,830	12,200	171	176	74.7	810	370	2140
					145	—	115	—	85	—		3	6	8,130	15,200	235	244	88.4	890	410	2155
					160	—	130	—	100	—		3	7	8,750	16,800	275	289	93.3	980	450	2170
					175	—	145	—	115	85		3	7	9,370	18,300	317	338	98.3	1,070	490	2185
40	4.5×8×4.5	9	15	10	35	—	—	—	—	—		2	5	6,150	8,060	20.8	37.2	27.3	643	303	3055
					60	—	—	—	—	—		2	5	8,440	12,100	125	119	140	960	445	3080
					85	—	—	—	—	—		3	6	10,500	16,100	188	186	167	1,260	590	3105
					110	—	—	—	—	—		3	6	14,400	24,200	300	319	195	1,580	725	3130
					135	85	—	—	—	—		3	6	16,300	28,200	508	505	308	1,860	860	3155
					160	110	—	—	—	—		3	7	18,100	32,200	630	635	335	2,160	1,000	3180
					185	135	85	—	—	—		3	7	19,800	36,300	763	779	362	2,460	1,140	3205
					210	160	110	—	—	—		3	7	21,500	40,300	906	936	390	2,780	1,310	3230

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



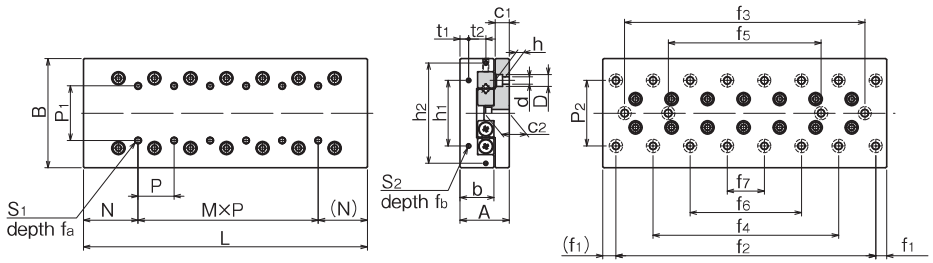
NVT TYPE
–NVT4／NVT6／NVT9–

STUDROLLER System

part number structure

example **NVT 6 210 -LB -KGLA**

- specification
  NVT: standard
  NVTS: anti-corrosion
- size
- table length
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease
- with low temperature black chrome treatment

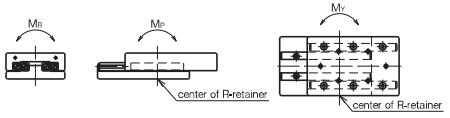


part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions						size
standard	anti-corrosion	ST	A	B	L	b	P1	S1	fa	N	M×P	h1	h2	t1	t2	S2	fb	
		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm		mm	
NVT4085	NVTS4085	50	35±0.1	80±0.1	85	24	40	M5	10	42.5	—	55	—	6.5	—	M3	6	
4125	4125	75			125						1×40							4125
4165	4165	105			165						2×40							4165
4205	4205	130			205						3×40							4205
4245	4245	155			245						4×40							4245
4285	4285	185			285						5×40							4285
NVT6110	NVTS6110	60	45±0.1	100±0.1	110	31	50	M6	12	55	—	60	92	8	15	M4	8	
6160	6160	95			160						1×50							6160
6210	6210	130			210						2×50							6210
6260	6260	165			260						3×50							6260
6310	6310	200			310						4×50							6310
6360	6360	235			360						5×50							6360
6410	6410	265			410						6×50							6410
NVT9210	—	130	60±0.1	145±0.1	210	43	85	M8	16	105	—	90	135	11	20	M4	8	
9310	—	180			310						1×100							9310
9410	—	220			410						2×100							9410
9510	—	300			510						3×100							9510

bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass NVT	mass NVTS	size
P2	d×D×h	c1	c2	f1	f2	f3	f4	f5	f6	f7		T	S	C	Co	MP	MY	MR			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
55	5.5×10×5.4	10.5	18	10	65	—	—	—	—	—		2	5	12,100	15,700	156	147	239	1,710	790	4085
					105	—	—	—	—	—		3	6	20,700	31,500	327	357	320	2,520	1,160	4125
					145	—	—	—	—	—		3	7	24,700	39,300	656	660	559	3,320	1,530	4165
					185	105	—	—	—	—		3	7	32,100	55,100	1,270	1,250	874	4,130	1,900	4205
					225	145	—	—	—	—		3	7	39,000	70,900	1,740	1,780	956	4,930	2,270	4245
					265	185	—	—	—	—		3	7	42,400	78,700	2,380	2,400	1,190	5,730	2,630	4285
60	7×11.5×7	13	23	10	90	—	—	—	—	—		3	6	29,600	37,500	213	310	256	3,300	1,720	6110
					140	—	—	—	—	—		3	6	40,700	56,300	963	941	936	4,850	2,510	6160
					190	90	—	—	—	—		3	7	60,600	93,900	1,960	1,990	1,350	6,310	3,290	6210
					240	140	—	—	—	—		3	7	69,800	112,000	2,710	2,790	1,610	7,790	4,080	6260
					290	190	—	—	—	—		3	7	78,800	131,000	4,490	4,420	2,460	9,260	4,860	6310
					340	240	140	—	—	—		4	8	87,400	150,000	5,630	5,610	2,710	10,900	5,740	6360
					390	290	190	—	—	—		4	8	104,000	187,000	7,540	7,700	2,970	12,460	6,620	6410
90	9×14×9	16	29	55	100	—	—	—	—	—		3	6	96,100	128,000	1,610	2,110	1,780	12,550	—	9210
					200	—	—	—	—	—		3	6	143,000	213,000	6,490	6,580	4,860	18,000	—	9310
					300	—	—	—	—	—		3	7	186,000	298,000	12,600	12,700	7,290	24,010	—	9410
					400	—	—	—	—	—		3	7	206,000	341,000	18,700	18,600	9,720	30,100	—	9510

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



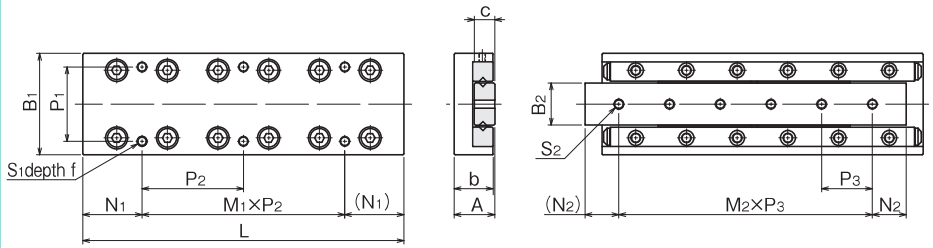
NYT TYPE

STUDROLLER System

part number structure

example **NYT 2 065 -LB -KGLA**

- specification
  NYT: standard
  NYTS: anti-corrosion
- size
- table length
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease

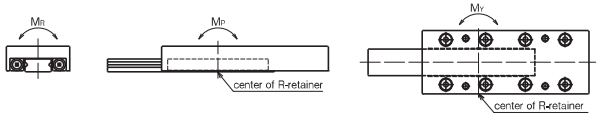


part number		stroke	major dimensions						table-top mounting hole dimensions				
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm	N1 mm	M1×P2 mm
NYT 1025	NYTS 1025	12	8±0.1	20±0.1	25	7.5	7.06	4	14	M2.6	3	3.5	1×18
1035	1035	18			35							3.5	1×28
1045	1045	25			45							12.5	1×20
1055	1055	32			55							12.5	1×30
1065	1065	40			65							12.5	2×20
1075	1075	45			75							22.5	1×30
1085	1085	50			85							12.5	2×30
NYT 2035	NYTS 2035	18	12±0.1	30±0.1	35	11.5	12.4	6	22	M3	5	3.5	1×28
2050	2050	30			50							3.5	1×43
2065	2065	40			65							17.5	1×30
2080	2080	50			80							17.5	1×45
2095	2095	60			95							17.5	2×30
2110	2110	70			110							32.5	1×45
2125	2125	80			125							17.5	2×45
NYT 3055	NYTS 3055	30	16±0.1	40±0.1	55	15.5	16.7	8	30	M4	7	7.5	1×40
3080	3080	45			80							7.5	1×65
3105	3105	60			105							27.5	1×50
3130	3130	75			130							27.5	1×75
3155	3155	90			155							27.5	2×50
3180	3180	105			180							52.5	1×75
3205	3205	130			205							27.5	2×75

bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass	size
S2	N2 mm	M2×P3 mm	T μm	S μm	C N	Co N	MP N・m	MY N・m	MR N・m	g	
M2.6	5	2×7.5	2	4	734	849	3.73	3.18	3.18	25	1025
	7.5	2×10	2	4	1,250	1,690	1.73	4.22	1.04	35	1035
	7.5	3×10	2	5	1,720	2,540	9.05	10.3	4.23	45	1045
	7.5	4×10	2	5	2,160	3,390	14.0	16.7	5.28	55	1055
	7.5	5×10	2	5	2,560	4,240	24.8	26.7	8.46	65	1065
	7.5	6×10	2	5	2,960	5,090	33.0	36.7	9.51	76	1075
	7.5	7×10	2	5	3,330	5,940	47.7	50.6	12.7	86	1085
M3	7.5	1×20	2	4	1,360	1,520	10.1	8.80	9.93	84	2035
	10	2×15	2	4	2,330	3,050	18.9	18.7	13.4	120	2050
	10	3×15	2	5	3,190	4,580	36.9	35.7	23.4	157	2065
	10	4×15	2	5	3,990	6,110	53.2	53.8	26.9	190	2080
	10	5×15	2	5	4,740	7,630	80.3	79.9	36.9	225	2095
	10	6×15	2	5	5,460	9,160	104	106	40.4	265	2110
	10	7×15	2	5	6,160	10,600	130	135	44.0	305	2125
M4	10	1×35	2	5	6,150	8,060	20.8	37.2	17.0	228	3055
	15	2×25	2	5	8,440	12,100	125	119	87.2	345	3080
	15	3×25	3	5	10,500	16,100	188	186	104	450	3105
	15	4×25	3	5	14,400	24,200	300	319	121	570	3130
	15	5×25	3	5	16,300	28,200	508	505	191	665	3155
	15	6×25	3	5	18,100	32,200	630	635	208	780	3180
	15	7×25	3	5	19,800	36,300	763	779	225	890	3205

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



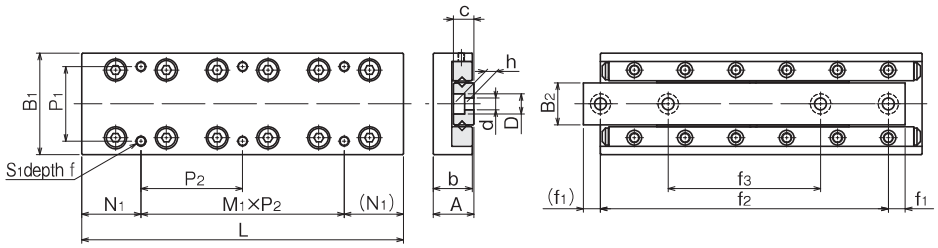
NYT-D TYPE

STUDROLLER System

part number structure

example **NYT 3 125 -D -LB -KGLA**

- specification — NYT: standard; NYTS: anti-corrosion
- size
- table length
- with counterbore
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51) — blank: standard grease; -KGLA: lithium-based low dust generation grease; -KGU: urea-based low dust generation grease; -KGF: anti-fretting grease

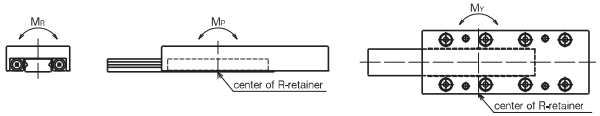


part number		stroke	major dimensions						table-top mounting hole dimensions				
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm	N1 mm	M1×P2 mm
NYT 1025-D	NYTS 1025-D	12	8±0.1	20±0.1	25	7.5	7.06	4	14	M2.6	3	3.5	1×18
1035-D	1035-D	18			35							3.5	1×28
1045-D	1045-D	25			45							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

bed-surface mounting hole dimensions				accuracy ※(deviation)		basic load rating		allowable static moment			mass	size
d×D×h mm	f1 mm	f2 mm	f3 mm	T μm	S μm	dynamic C N	static Co N	MP N・m	MY N・m	MR N・m	g	
2.5×4.1×2.2	3.5	18	—	2	4	734	849	3.73	3.18	3.18	25	1025
	5	25	—	2	4	1,250	1,690	1.73	4.22	1.04	35	1035
	3.5	38	25	2	5	1,720	2,540	9.05	10.3	4.23	45	1045
	3.5	48	29	2	5	2,160	3,390	14.0	16.7	5.28	55	1055
	5	55	31	2	5	2,560	4,240	24.8	26.7	8.46	65	1065
	5	65	35	2	5	2,960	5,090	33.0	36.7	9.51	76	1075
	5	75	40	2	5	3,330	5,940	47.7	50.6	12.7	86	1085
3.5×6×3.3	5	25	—	2	4	1,360	1,520	10.1	8.80	9.93	84	2035
	7.5	35	—	2	4	2,330	3,050	18.9	18.7	13.4	120	2050
	5	55	33	2	5	3,190	4,580	36.9	35.7	23.4	157	2065
	5	70	40	2	5	3,990	6,110	53.2	53.8	26.9	190	2080
	5	85	45	2	5	4,740	7,630	80.3	79.9	36.9	225	2095
	7.5	95	50	2	5	5,460	9,160	104	106	40.4	265	2110
	7.5	110	55	2	5	6,160	10,600	130	135	44.0	305	2125
4.5×7.5×4.3	7.5	40	—	2	5	6,150	8,060	20.8	37.2	17.0	228	3055
	6	68	43	2	5	8,440	12,100	125	119	87.2	345	3080
	7.5	90	55	3	5	10,500	16,100	188	186	104	450	3105
	7.5	115	65	3	5	14,400	24,200	300	319	121	570	3130
	7.5	140	95	3	5	16,300	28,200	508	505	191	665	3155
	7.5	165	85	3	5	18,100	32,200	630	635	208	780	3180
	7.5	190	90	3	5	19,800	36,300	763	779	225	890	3205

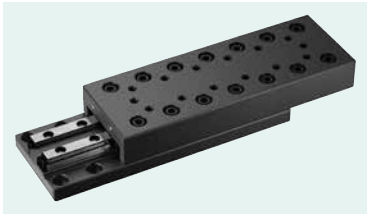
※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf 1N・m≒0.102kgf・m



HVT TYPE
–HVT2／HVT3–

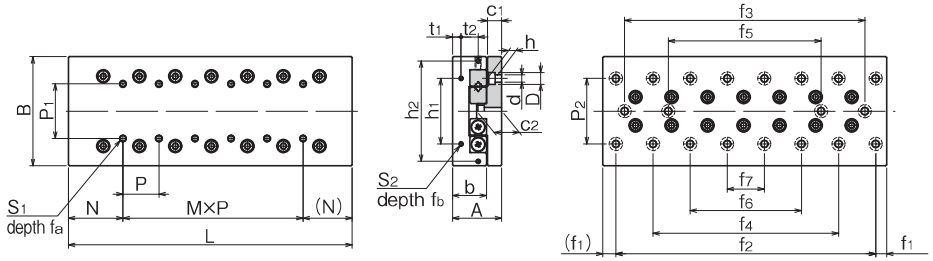
Upgraded model



part number structure

example **HVT 3 205 -LB -KGLA**

- specification
  HVT: standard
  HVTS: anti-corrosion
- size
- table length
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease

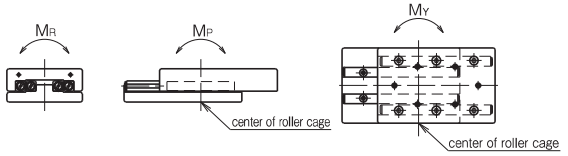


part number		stroke	major dimensions				table-top mounting hole dimentions					table-end mounting hole dimentions							
standard	anti-corrosion	ST	A	B	L	b	P1	S1	fa	N	M×P	h1	h2	t1	t2	S2	fb	P2	d×D×h
		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm		mm	mm	mm
HVT 2035	HVTS 2035	18	$21^{\pm0.1}$	$40^{-0.2}_{-0.4}$	35	14	15	M3	6	17.5	–	16	–	3.4	–	M2	6	30	3.5×6.5×3.5
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			110						5×15								
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								
HVT 3055	HVTS 3055	30	$28^{\pm0.1}$	$60^{\pm0.1}$	55	18.5	25	M4	8	27.5	–	40	–	5.5	–	M3	6	40	4.5×8×4.5
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			180						5×25								
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								

bed-surface mounting hole dimentions										accuracy ※(deviation)		basic load rating		allowable static moment			mass		size
c1	c2	f1	f2	f3	f4	f5	f6	f7		T	S	dynamic C	static Co	MP	MY	MR	HVT	HVTS	
mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
6.5	10.9	5	25	–	–	–	–	–		2	4	1,850	2,290	6.87	7.86	20.6	200	95	2035
			40	–	–	–	–	–		2	4	2,320	3,050	18.7	16.7	27.4	288	138	2050
			55	–	–	–	–	–		2	5	3,190	4,580	26.7	28.9	41.2	377	180	2065
			70	–	40	–	–	–		2	5	4,000	6,110	47.5	50.4	54.9	461	221	2080
			85	–	55	–	–	–		2	5	4,380	6,870	74.2	70.3	61.8	550	264	2095
			100	–	70	–	–	–		3	6	5,130	8,400	89.8	93.6	75.6	639	307	2110
			115	–	85	–	–	–		3	6	5,840	9,930	125	129	89.3	728	349	2125
			130	–	100	–	70	–		3	6	6,190	10,600	166	160	96.2	812	390	2140
			145	–	115	–	85	–		3	6	6,870	12,200	189	195	109	901	433	2155
			160	–	130	–	100	–		3	7	7,530	13,700	239	246	123	987	475	2170
			175	–	145	–	115	85		3	7	7,850	14,500	296	288	130	1,080	517	2185
9	15	10	35	–	–	–	–	–		2	5	6,150	8,060	43.7	49.6	112	655	309	3055
			60	–	–	–	–	–		2	5	8,460	12,100	99.0	107	169	960	453	3080
			85	–	–	–	–	–		3	6	10,600	16,100	175	186	225	1,270	596	3105
			110	–	–	–	–	–		3	6	12,600	20,100	274	287	282	1,570	740	3130
			135	85	–	–	–	–		3	6	14,500	24,200	395	410	338	1,870	881	3155
			160	110	–	–	–	–		3	7	16,400	28,200	537	554	395	2,180	1,030	3180
			185	135	85	–	–	–		3	7	17,300	30,200	701	677	423	2,470	1,170	3205
			210	160	110	–	–	–		3	7	19,000	34,200	791	812	480	2,780	1,310	3230
			235	185	135	–	–	–		3	7	19,900	36,300	988	959	508	3,080	1,460	3255
			260	210	160	110	–	–		3	7	21,600	40,300	1090	1110	564	3,380	1,600	3280
			285	235	185	135	–	–		3	7	22,500	42,300	1320	1290	592	3,690	1,740	3305

※For accuracy (T, S), refer to Figure A-22 (page A-36).

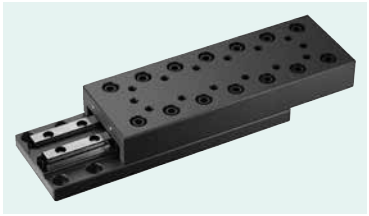
1N≒0.102kgf　1N・m≒0.102kgf・m



HVT TYPE

–HVT4–

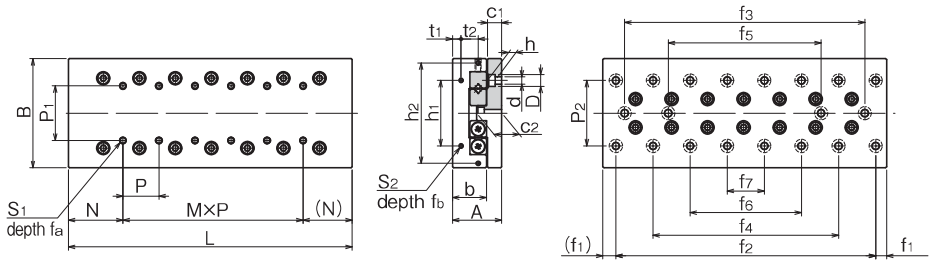
Upgraded model



part number structure

example **HVT 4 285 -LB -KGLA**

- specification
  HVT: standard
  HVTS: anti-corrosion
- size
- table length
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease

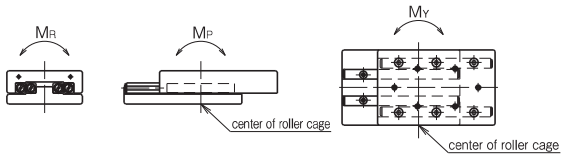


part number		stroke	major dimensions				table-top mounting hole dimentions					table-end mounting hole dimentions							
standard	anti-corrosion	ST mm	A mm	B mm	L mm	b mm	P1 mm	S1	fa mm	N mm	M×P mm	h1 mm	h2 mm	t1 mm	t2 mm	S2	fb mm	P2 mm	d×D×h mm
HVT 4085	HVTS 4085	50	35 ±0.1	80 ±0.1	85	24	40	M5	10	42.5	–	55	–	6.5	–	M3	6	55	5.5×10×5.4
4125	4125	75			125						1×40								
4165	4165	105			165						2×40								
4205	4205	130			205						3×40								
4245	4245	155			245						4×40								
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 dimentions										accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass		size
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	MP N・m	MY N・m	MR N・m	HVT g	HVTS g	
10.5	18	10	65	–	–	–	–	–		2	5	14,400	19,600	167	183	393	1,700	791	**4085**
			105	–	–	–	–	–		3	6	18,700	27,500	425	397	551	2,510	1,170	**4125**
			145	–	–	–	–	–		3	7	24,800	39,300	664	695	787	3,330	1,550	**4165**
			185	105	–	–	–	–		3	7	28,600	47,200	1,120	1,070	945	4,130	1,930	**4205**
			225	145	–	–	–	–		3	7	34,000	59,000	1,690	1,630	1,180	4,940	2,310	**4245**
			265	185	–	–	–	–		3	7	37,500	66,900	2,140	2,080	1,330	5,750	2,690	**4285**
			305	225	145	–	–	–		4	8	42,600	78,700	2,910	2,840	1,570	6,550	3,060	**4325**
			345	265	185	–	–	–		4	8	47,500	90,600	3,490	3,560	1,810	7,360	3,440	**4365**
			385	305	225	–	–	–		4	8	50,600	98,400	4,460	4,370	1,960	8,170	3,820	**4405**

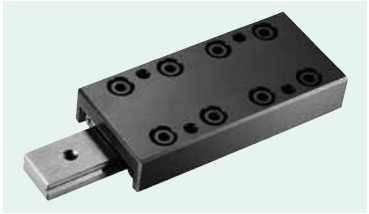
※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



HYT TYPE

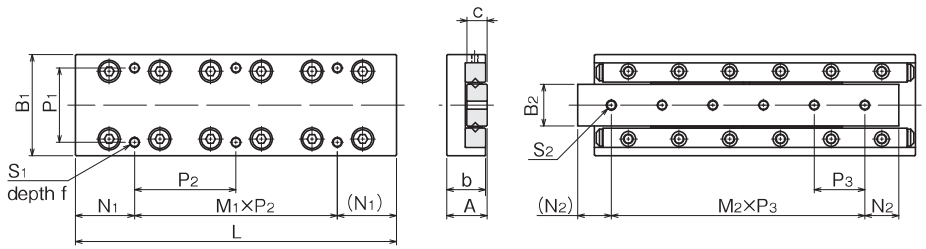
Upgraded model



part number structure

example **HYT 2 110 -LB -KGLA**

- HYT 2: specification — HYT: standard; HYTS: anti-corrosion
- 2: size
- 110: table length
- -LB: with low temperature black chrome treatment
- -KGLA: grease symbol (refer to page Eng-51) — blank: standard grease; -KGLA: lithium-based low dust generation grease; -KGU: urea-based low dust generation grease; -KGF: anti-fretting grease

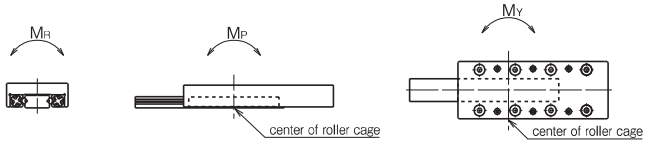


part number		stroke	major dimensions						table-top mounting hole dimentions				
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm	N1 mm	M1×P2 mm
HYT 2035	HYTS 2035	18	$12^{\pm0.1}$	$30^{\pm0.1}$	35	11.5	12.4	6	22	M3	5	3.5	1×28
2050	2050	30			50							3.5	1×43
2065	2065	40			65							17.5	1×30
2080	2080	50			80							17.5	1×45
2095	2095	60			95							17.5	2×30
2110	2110	70			110							32.5	1×45
2125	2125	80			125							17.5	2×45
HYT 3055	HYTS 3055	30	$16^{\pm0.1}$	$40^{\pm0.1}$	55	15.5	16.7	8	30	M4	7	7.5	1×40
3080	3080	45			80							7.5	1×65
3105	3105	60			105							27.5	1×50
3130	3130	75			130							27.5	1×75
3155	3155	90			155							27.5	2×50
3180	3180	105			180							52.5	1×75
3205	3205	130			205							27.5	2×75

bed-surface mounting hole dimentions			accuracy ※ (deviation)		basic load rating		allowable static moment			mass	size
S2	N2 mm	M2×P3 mm	T μm	S μm	dynamic C N	static C0 N	MP N·m	MY N·m	MR N·m	g	
M3	7.5	1×20	2	4	1,850	2,290	6.87	7.86	14.8	82	2035
	10	2×15	2	4	2,320	3,050	18.7	16.7	19.8	119	2050
	10	3×15	2	5	3,190	4,580	26.7	28.9	29.7	155	2065
	10	4×15	2	5	4,000	6,110	47.5	50.4	39.7	191	2080
	10	5×15	2	5	4,380	6,870	74.2	70.3	44.6	227	2095
	10	6×15	2	5	5,130	8,400	89.8	93.6	54.6	264	2110
	10	7×15	2	5	5,840	9,930	125	129	64.5	300	2125
M4	10	1×35	2	5	6,150	8,060	43.7	49.6	70.1	240	3055
	15	2×25	2	5	8,460	12,100	99.0	107	105	351	3080
	15	3×25	3	5	10,600	16,100	175	186	140	463	3105
	15	4×25	3	5	12,600	20,100	274	287	175	574	3130
	15	5×25	3	5	14,500	24,200	395	410	210	685	3155
	15	6×25	3	5	16,400	28,200	537	554	245	797	3180
	15	7×25	3	5	17,300	30,200	701	677	263	906	3205

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf 1N・m≒0.102kgf・m



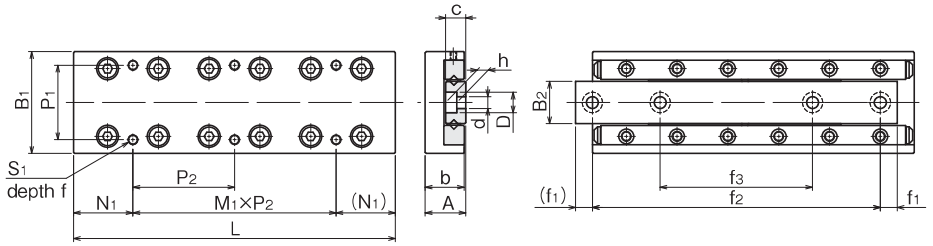
HYT-D TYPE

Upgraded model

part number structure

example **HYT 2 110 -D -LB -KGLA**

- specification
  HYT: standard
  HYTS: anti-corrosion
- size
- table length
- with counterbore
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease

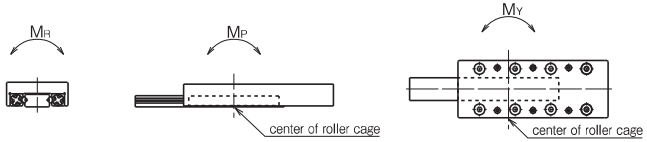


part number		stroke	major dimensions						table-top mounting hole dimentions				
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm	N1 mm	M1×P2 mm
HYT 2035-D	HYTS 2035-D	18	$12^{\pm0.1}$	$30^{\pm0.1}$	35	11.5	12.4	6	22	M3	5	3.5	1×28
2050-D	2050-D	30			50							3.5	1×43
2065-D	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
HYT 3055-D	HYTS 3055-D	30	$16^{\pm0.1}$	$40^{\pm0.1}$	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

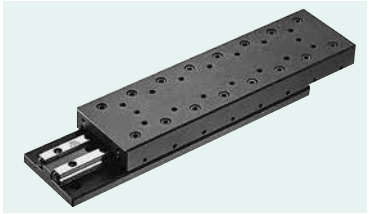
bed-surface mounting hole dimentions				accuracy ※(deviation)		basic load rating dynamic	static	allowable static moment			mass	size
d×D×h mm	f1 mm	f2 mm	f3 mm	T μm	S μm	C N	Co N	MP N・m	MY N・m	MR N・m	g	
3.5×6×3.3	5	25	—	2	4	1,850	2,290	6.87	7.86	14.8	81	2035
	7.5	35	—	2	4	2,320	3,050	18.7	16.7	19.8	117	2050
	5	55	33	2	5	3,190	4,580	26.7	28.9	29.7	152	2065
	5	70	40	2	5	4,000	6,110	47.5	50.4	39.7	189	2080
	5	85	45	2	5	4,380	6,870	74.2	70.3	44.6	225	2095
	7.5	95	50	2	5	5,130	8,400	89.8	93.6	54.6	262	2110
	7.5	110	55	2	5	5,840	9,930	125	129	64.5	299	2125
4.5×7.5×4.3	7.5	40	—	2	5	6,150	8,060	43.7	49.6	70.1	238	3055
	6	68	43	2	5	8,460	12,100	99.0	107	105	345	3080
	7.5	90	55	3	5	10,600	16,100	175	186	140	457	3105
	7.5	115	65	3	5	12,600	20,100	274	287	175	570	3130
	7.5	140	95	3	5	14,500	24,200	395	410	210	681	3155
	7.5	165	85	3	5	16,400	28,200	537	554	245	794	3180
	7.5	190	90	3	5	17,300	30,200	701	677	263	903	3205

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



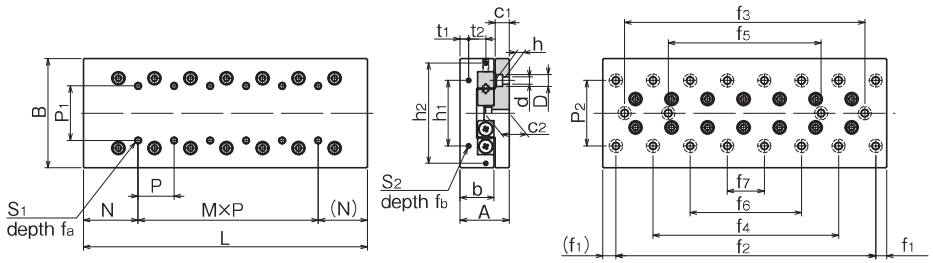
SVT TYPE
–SVT1／SVT2–



part number structure

example **SVT 2 170 -LB -KGLA**

- specification
  SVT: standard
  SVTS: anti-corrosion
- size
- table length
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease
- with low temperature black chrome treatment

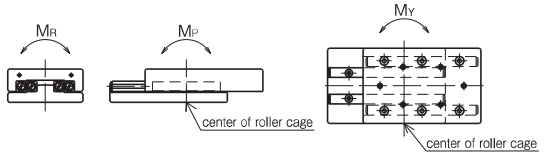


part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions						size
standard	anti-corrosion	ST	A	B	L	b	P1	S1	fa	N	M×P	h1	h2	t1	t2	S2	fb	
		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm		mm	
SVT 1025	SVTS 1025	12	17±0.1	30 -0.2 -0.4	25	11	10	M2	4	12.5	—	12	—	2.5	—	M2	6	1025
1035	1035	18			35						1×10							1035
1045	1045	25			45						2×10							1045
1055	1055	32			55						3×10							1055
1065	1065	40			65						4×10							1065
1075	1075	45			75						5×10							1075
1085	1085	50			85						6×10							1085
SVT 2035	SVTS 2035	18	21±0.1	40 -0.2 -0.4	35	14	15	M3	6	17.5	—	16	—	3.4	—	M2	6	2035
2050	2050	30			50						1×15							2050
2065	2065	40			65						2×15							2065
2080	2080	50			80						3×15							2080
2095	2095	60			95						4×15							2095
2110	2110	70			110						5×15							2110
2125	2125	80			125						6×15							2125
2140	2140	90			140						7×15							2140
2155	2155	100			155						8×15							2155
2170	2170	110			170						9×15							2170
2185	2185	120			185						10×15							2185

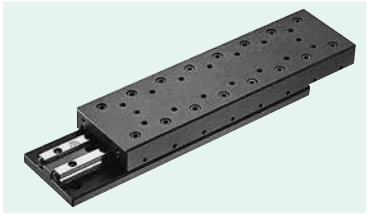
bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass		size
P2	d×D×h	c1	c2	f1	f2	f3	f4	f5	f6	f7		T	S	C	Co	MP	MY	MR	SVT	SVTS	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
22	2.5×4.5×2.5	5.5	9	3.5	18	—	—	—	—	—		2	4	464	476	1.79	1.47	3.22	82	36	1025
					28	—	—	—	—	—		2	4	805	952	3.08	3.50	6.45	120	50	1035
					38	—	—	—	—	—		2	4	959	1,190	6.98	6.40	8.06	158	69	1045
					48	—	28	—	—	—		2	5	1,100	1,420	9.53	8.81	9.68	190	83	1055
					58	—	38	—	—	—		2	5	1,240	1,660	12.4	11.6	11.2	225	98	1065
					68	—	48	—	—	—		2	5	1,510	2,140	19.3	18.3	14.5	260	113	1075
					78	—	58	—	—	—		2	5	1,650	2,380	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	7.04	5.78	10.5	195	90	2035
					40	—	—	—	—	—		2	4	1,510	1,750	12.1	10.7	15.8	280	133	2050
					55	—	—	—	—	—		2	5	1,900	2,340	19.1	17.1	21.1	370	175	2065
					70	—	40	—	—	—		2	5	2,620	3,510	27.4	29.6	31.6	450	220	2080
					85	—	55	—	—	—		2	5	2,950	4,100	37.4	39.9	36.9	540	250	2095
					100	—	70	—	—	—		3	6	3,280	4,680	61.7	58.1	42.2	630	285	2110
					115	—	85	—	—	—		3	6	3,590	5,270	76.1	72.1	47.5	720	330	2125
					130	—	100	—	70	—		3	6	4,210	6,440	92.0	95.9	58.1	800	360	2140
					145	—	115	—	85	—		3	6	4,500	7,030	109	113	63.3	880	400	2155
					160	—	130	—	100	—		3	7	4,790	7,610	148	143	68.6	970	440	2170
					175	—	145	—	115	85		3	7	5,080	8,200	170	164	73.9	1,060	480	2185

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



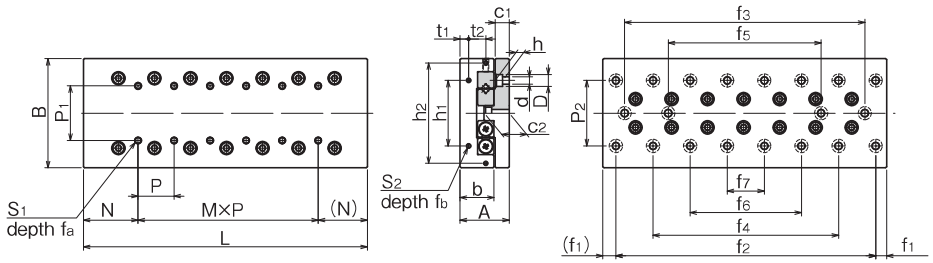
SVT TYPE
−SVT3／SVT4−



part number structure

example **SVT 4 205 -LB -KGLA**

- SVT: specification — SVT: standard; SVTS: anti-corrosion
- 4: size
- 205: table length
- -LB: with low temperature black chrome treatment
- -KGLA: grease symbol (refer to page Eng-51) — blank: standard grease; -KGLA: lithium-based low dust generation grease; -KGU: urea-based low dust generation grease; -KGF: anti-fretting grease

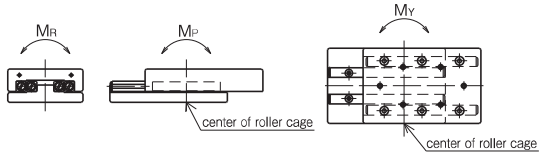


part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions						size
standard	anti-corrosion	ST mm	A mm	B mm	L mm	b mm	P1 mm	S1	fa mm	N mm	M×P mm	h1 mm	h2 mm	t1 mm	t2 mm	S2	fb mm	
SVT 3055	SVTS 3055	30			55						—							
3080	3080	45			80						1×25							
3105	3105	60			105						2×25							
3130	3130	75			130						3×25							
3155	3155	90	28±0.1	60±0.1	155	18.5	25	M4	8	27.5	4×25	40	—	5.5	—	M3	6	
3180	3180	105			180						5×25							
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							
SVT 4085	SVTS 4085	50			85						—							
4125	4125	75			125						1×40							
4165	4165	105			165						2×40							
4205	4205	130			205						3×40							
4245	4245	155	35±0.1	80±0.1	245	24	40	M5	10	42.5	4×40	55	—	6.5	—	M3	6	
4285	4285	185			285						5×40							
4325	4325	210			325						6×40							
4365	4365	235			365						7×40							
4405	4405	265			405						8×40							

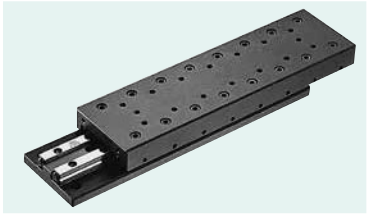
bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass		size
P2 mm	d×D×h mm	c1 mm	c2 mm	f1 mm	f2 mm	f3 mm	f4 mm	f5 mm	f6 mm	f7 mm		T μm	S μm	C N	Co N	MP N·m	MY N·m	MR N·m	SVT g	SVTS g	
40	4.5×8×4.5	9	15	10	35	—	—	—	—	—		2	5	3,490	3,890	19.4	22.2	54.5	640	300	3055
					60	—	—	—	—	—		2	5	5,230	6,490	53.0	58.0	90.9	955	440	3080
					85	—	—	—	—	—		3	6	6,030	7,780	103	95.7	109	1,250	580	3105
					110	—	—	—	—	—		3	6	7,560	10,300	170	160	145	1,570	715	3130
					135	85	—	—	—	—		3	6	9,000	12,900	210	220	181	1,850	850	3155
					160	110	—	—	—	—		3	7	10,300	15,500	302	314	218	2,150	990	3180
					185	135	85	—	—	—		3	7	11,000	16,800	355	367	236	2,450	1,130	3205
					210	160	110	—	—	—		3	7	11,700	18,100	472	455	254	2,740	1,270	3230
					235	185	135	—	—	—		3	7	12,900	20,700	537	552	290	3,040	1,410	3255
					260	210	160	110	—	—		3	7	13,600	22,000	606	622	309	3,360	1,540	3280
					285	235	185	135	—	—		3	7	14,200	23,300	757	735	327	3,660	1,680	3305
55	5.5×10×5.4	10.5	18	10	65	—	—	—	—	—		2	5	7,110	7,920	96.0	84.9	159	1,700	780	4085
					105	—	—	—	—	—		3	6	10,600	13,200	217	199	265	2,500	1,140	4125
					145	—	—	—	—	—		3	7	13,800	18,400	296	316	371	3,300	1,510	4165
					185	105	—	—	—	—		3	7	16,800	23,700	488	513	477	4,100	1,870	4205
					225	145	—	—	—	—		3	7	19,700	29,000	729	759	584	4,900	2,240	4245
					265	185	—	—	—	—		3	7	22,400	34,300	1,010	1,050	690	5,700	2,600	4285
					305	225	145	—	—	—		4	8	25,100	39,600	1,350	1,390	796	6,500	3,000	4325
					345	265	185	—	—	—		4	8	27,600	44,800	1,730	1,780	902	7,300	3,300	4365
					385	305	225	—	—	—		4	8	28,900	47,500	2,160	2,100	955	8,100	3,700	4405

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m



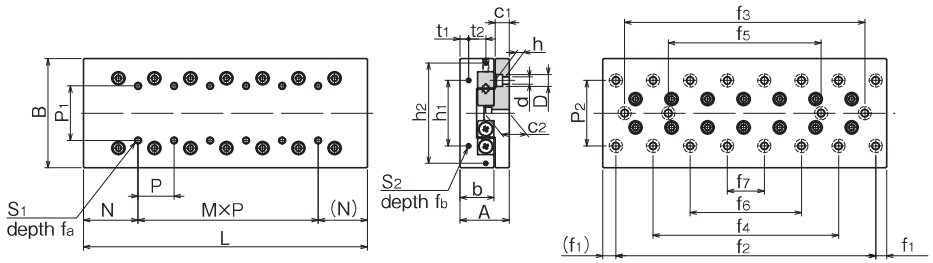
SVT TYPE
–SVT6／SVT9–



part number structure

example **SVT 6 210 -LB -KGLA**

- specification
  SVT: standard
  SVTS: anti-corrosion
- size
- table length
- grease symbol (refer to page Eng-51)
  blank: standard grease
  -KGLA: lithium-based low dust generation grease
  -KGU: urea-based low dust generation grease
  -KGF: anti-fretting grease
- with low temperature black chrome treatment

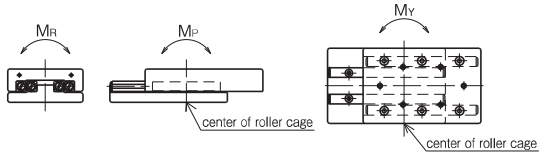


part number		stroke	major dimensions				table-top mounting hole dimensions					table-end mounting hole dimensions						size
standard	anti-corrosion	ST	A	B	L	b	P1	S1	fa	N	M×P	h1	h2	t1	t2	S2	fb	
		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm		mm	
SVT 6110	SVTS 6110	60			110						—							6110
6160	6160	95			160						1×50							6160
6210	6210	130			210						2×50							6210
6260	6260	165			260						3×50							6260
6310	6310	200	45±0.1	100±0.1	310	31	50	M6	12	55	4×50	60	92	8	15	M4	8	6310
6360	6360	235			360						5×50							6360
6410	6410	265			410						6×50							6410
6460	6460	300			460						7×50							6460
6510	6510	335			510						8×50							6510
SVT 9210	—	130			210						—							9210
9310	—	180			310						1×100							9310
9410	—	350			410						2×100							9410
9510	—	450			510						3×100							9510
9610	—	550	60±0.1	145±0.1	610	43	85	M8	16	105	4×100	90	135	11	20	M4	8	9610
9710	—	650			710						5×100							9710
9810	—	750			810						6×100							9810
9910	—	850			910						7×100							9910
91010	—	950			1,010						8×100							91010

bed-surface mounting hole dimensions												accuracy ※(deviation)		basic load rating dynamic	basic load rating static	allowable static moment			mass		size
P2	d×D×h	c1	c2	f1	f2	f3	f4	f5	f6	f7		T	S	C	Co	MP	MY	MR	SVT	SVTS	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		μm	μm	N	N	N・m	N・m	N・m	g	g	
60	7×11.5×7	13	23	10	90	—	—	—	—	—		3	6	16,500	17,700	260	230	400	3,280	1,705	6110
					140	—	—	—	—	—		3	6	24,700	29,600	588	539	666	4,820	2,480	6160
					190	90	—	—	—	—		3	7	32,200	41,400	1,040	978	933	6,270	3,255	6210
					240	140	—	—	—	—		3	7	39,200	53,200	1,630	1,540	1,200	7,740	4,030	6260
					290	190	—	—	—	—		3	7	45,800	65,100	2,340	2,240	1,460	9,200	4,805	6310
					340	240	140	—	—	—		4	8	52,200	76,900	2,750	2,850	1,730	10,740	5,580	6360
					390	290	190	—	—	—		4	8	58,400	88,800	3,660	3,770	2,000	12,190	6,355	6410
					440	340	240	—	—	—		4	8	64,400	100,000	4,700	4,830	2,260	13,800	7,130	6460
					490	390	290	190	—	—		4	8	70,200	112,000	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	1,610	1,440	2,030	12,520	—	9210
					200	—	—	—	—	—		3	7	79,300	98,900	3,150	3,360	3,560	17,950	—	9310
					300	100	—	—	—	—		4	8	79,300	98,900	4,110	3,840	3,560	23,950	—	9410
					400	200	—	—	—	—		4	8	96,600	127,000	6,420	6,080	4,580	30,090	—	9510
					500	300	100	—	—	—		4	9	112,000	155,000	7,760	8,090	5,600	35,990	—	9610
					600	400	200	—	—	—		4	9	128,000	183,000	10,800	11,200	6,620	41,890	—	9710
					700	500	300	100	—	—		5	10	136,000	197,000	14,400	13,900	7,130	47,790	—	9810
					800	600	400	200	—	—		5	10	151,000	226,000	18,500	17,900	8,140	53,690	—	9910
					900	700	500	300	100	—		5	10	165,000	254,000	23,100	22,400	9,160	59,590	—	91010

※For accuracy (T, S), refer to Figure A-22 (page A-36).

1N≒0.102kgf　1N・m≒0.102kgf・m

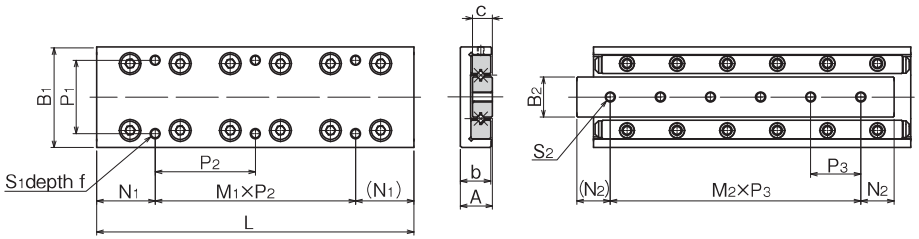


SYT TYPE
−SYT1／SYT2／SYT3−

part number structure

example **SYT 2 110 -LB -KGLA**

- specification
  - SYT: standard
  - SYTS: anti-corrosion
- size
- table length
- with low temperature black chrome treatment
- grease symbol (refer to page Eng-51)
  - blank: standard grease
  - -KGLA: lithium-based low dust generation grease
  - -KGU: urea-based low dust generation grease
  - -KGF: anti-fretting grease



part number		stroke	major dimensions						table-top mounting hole dimensions		
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm
SYT 1025	SYTS 1025	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3
1035	1035	18			35						
1045	1045	25			45						
1055	1055	32			55						
1065	1065	40			65						
1075	1075	45			75						
1085	1085	50			85						
SYT 2035	SYTS 2035	18	12±0.1	30±0.1	35	11.5	12	6	22	M3	5
2050	2050	30			50						
2065	2065	40			65						
2080	2080	50			80						
2095	2095	60			95						
2110	2110	70			110						
2125	2125	80			125						
SYT 3055	SYTS 3055	30	16±0.1	40±0.1	55	15.5	16	8	30	M4	7
3080	3080	45			80						
3105	3105	60			105						
3130	3130	75			130						
3155	3155	90			155						
3180	3180	105			180						
3205	3205	130			205						

		bed-surface mounting hole dimensions			accuracy ※(deviation)		basic load rating		allowable static moment			mass	size
N1 mm	M1×P2 mm	S2	N2 mm	M2×P3 mm	T μm	S μm	dynamic C N	static Co N	MP N・m	MY N・m	MR N・m	g	
3.5	1×18	M2.6	5	2×7.5	2	4	464	476	1.79	1.47	1.79	22	1025
3.5	1×28		7.5	2×10	2	4	805	952	3.08	3.50	3.58	33	1035
12.5	1×20		7.5	3×10	2	5	959	1,190	6.98	6.40	4.48	42	1045
12.5	1×30		7.5	4×10	2	5	1,100	1,420	9.53	8.81	5.37	52	1055
12.5	2×20		7.5	5×10	2	5	1,240	1,660	12.4	11.6	6.27	63	1065
22.5	1×30		7.5	6×10	2	5	1,510	2,140	19.3	18.3	8.06	72	1075
12.5	2×30		7.5	7×10	2	5	1,650	2,380	23.4	22.3	8.96	83	1085
3.5	1×28	M3	7.5	1×20	2	4	1,090	1,170	7.04	5.78	7.63	79	2035
3.5	1×43		10	2×15	2	4	1,510	1,750	12.1	10.7	11.4	113	2050
17.5	1×30		10	3×15	2	5	1,900	2,340	19.1	17.1	15.2	150	2065
17.5	1×45		10	4×15	2	5	2,620	3,510	27.4	29.6	22.8	185	2080
17.5	2×30		10	5×15	2	5	2,950	4,100	37.4	39.9	26.7	215	2095
32.5	1×45		10	6×15	2	5	3,280	4,680	61.7	58.1	30.5	255	2110
17.5	2×45		10	7×15	2	5	3,590	5,270	76.1	72.1	34.3	295	2125
7.5	1×40	M4	10	1×35	2	5	3,490	3,890	19.4	22.2	33.8	225	3055
7.5	1×65		15	2×25	2	5	5,230	6,490	53.0	58.0	56.4	340	3080
27.5	1×50		15	3×25	3	5	6,030	7,790	103	95.7	67.7	440	3105
27.5	1×75		15	4×25	3	5	7,560	10,300	170	160	90.3	560	3130
27.5	2×50		15	5×25	3	5	9,000	12,900	210	220	112	655	3155
52.5	1×75		15	6×25	3	5	10,300	15,500	302	314	135	770	3180
27.5	2×75		15	7×25	3	5	11,000	16,800	355	367	146	880	3205

※For accuracy (T, S), refer to Figure A-22 (page A-36).

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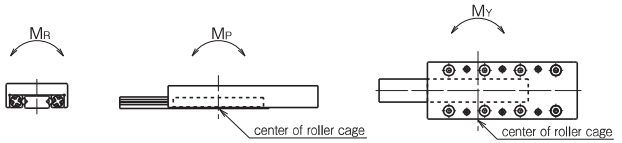
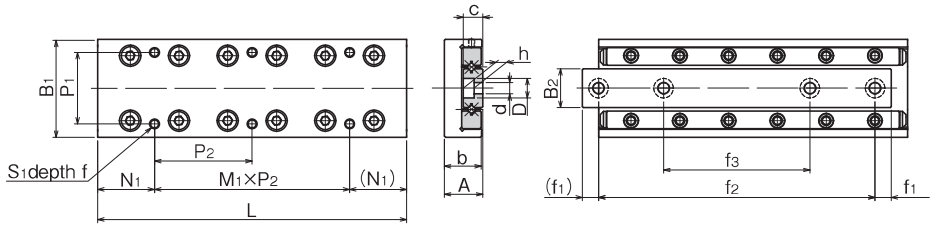


SYT-D TYPE
–SYT1／SYT2／SYT3–

part number structure

example **SYT 3 155 -D -LB -KGLA**

- SYT 3 155: specification (SYT: standard, SYTS: anti-corrosion); size; table length
- -D: with counterbore
- -LB: with low temperature black chrome treatment
- -KGLA: grease symbol (refer to page Eng-51) (blank: standard grease, -KGLA: lithium-based low dust generation grease, -KGU: urea-based low dust generation grease, -KGF: anti-fretting grease)



part number		stroke	major dimensions						table-top mounting hole dimensions			
standard	anti-corrosion	ST mm	A mm	B1 mm	L mm	b mm	B2 mm	c mm	P1 mm	S1	f mm	N1 mm
SYT1025-D	SYTS1025-D	12	8±0.1	20±0.1	25	7.5	6.6	4	14	M2.6	3	3.5
1035-D	1035-D	18			35							3.5
1045-D	1045-D	25			45							12.5
1055-D	1055-D	32			55							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	12±0.1	30±0.1	35	11.5	12	6	22	M3	5	3.5
2050-D	2050-D	30			50							3.5
2065-D	2065-D	40			65							17.5
2080-D	2080-D	50			80							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
SYT3055-D	SYTS3055-D	30	16±0.1	40±0.1	55	15.5	16	8	30	M4	7	7.5
3080-D	3080-D	45			80							7.5
3105-D	3105-D	60			105							27.5
3130-D	3130-D	75			130							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

M1×P2	bed-surface mounting hole dimensions				accuracy ※(deviation)		basic load rating		allowable static moment			mass	size
	d×D×h	f1	f2	f3	T	S	dynamic C	static Co	MP	MY	MR		
mm	mm	mm	mm	mm	μm	μm	N	N	N・m	N・m	N・m	g	
1×18	2.5×4.1×2.2	3.5	18	—	2	4	464	476	1.79	1.47	1.79	22	1025
1×28		5	25	—	2	4	805	952	3.08	3.50	3.58	33	1035
1×20		3.5	38	25	2	5	959	1,190	6.98	6.40	4.48	42	1045
1×30		3.5	48	29	2	5	1,100	1,420	9.53	8.81	5.37	52	1055
2×20		5	55	31	2	5	1,240	1,660	12.4	11.6	6.27	63	1065
1×30		5	65	35	2	5	1,510	2,140	19.3	18.3	8.06	72	1075
2×30		5	75	40	2	5	1,650	2,380	23.4	22.3	8.96	83	1085
1×28	3.5×6×3.3	5	25	—	2	4	1,090	1,170	7.04	5.78	7.63	79	2035
1×43		7.5	35	—	2	4	1,510	1,750	12.1	10.7	11.4	113	2050
1×30		5	55	33	2	5	1,900	2,340	19.1	17.1	15.2	150	2065
1×45		5	70	40	2	5	2,620	3,510	27.4	29.6	22.8	185	2080
2×30		5	85	45	2	5	2,950	4,100	37.4	39.9	26.7	215	2095
1×45		7.5	95	50	2	5	3,280	4,680	61.7	58.1	30.5	255	2110
2×45		7.5	110	55	2	5	3,590	5,270	76.1	72.1	34.3	295	2125
1×40	4.5×7.5×4.3	7.5	40	—	2	5	3,490	3,890	19.4	22.2	33.8	225	3055
1×65		6	68	43	2	5	5,230	6,490	53.0	58.0	56.4	340	3080
1×50		7.5	90	55	3	5	6,030	7,780	103	95.7	67.7	440	3105
1×75		7.5	115	65	3	5	7,560	10,300	170	160	90.3	560	3130
2×50		7.5	140	95	3	5	9,000	12,900	210	220	112	655	3155
1×75		7.5	165	85	3	5	10,300	15,500	302	314	135	770	3180
2×75		7.5	190	90	3	5	11,000	16,800	355	367	146	880	3205

※For accuracy (T, S), refer to Figure A-22 (page A-36).

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