

Special Greases

Details of Rail Length (L Dimension) Configurable Type

About Special Greases

The following greases can be used in place of the standard grease.

Part Number	Product Name	Main Features
L Type	ET-100K (Made by Kyodo Yushi)	Excels in heat resistance, oxidation stability, adhesion and adhesive power. In addition, splash / leakage is minor.
G Type	LG2 (Made by NSK Ltd.)	Clean room grease, specific to usage in linear guides, ball screws, etc.

Product Name	Page	Grease Selectable
Miniature Linear Guides Ⓢ Not applicable to Heat Resisting Type or lubrication unit type.	P.610-639	L G
Medium and Heavy Load Linear Guides Ⓢ Not applicable to Plastic Retainer Type or part numbers starting with C-	P.644-657	L G

Part Number Example

Part Number - L

- SSEBL10L - 270 (L Type Greased)
- SSEBL10G - 270 (G Type Greased)

Ⓢ Please add L, or G after part number of regular type when placing an order.

Part Number Alterations

Part Number - L

SSEBL10L - 270

Ⓢ Confirm the details of alterations on the page numbers shown in the table on the left.

M (Number of Mounting Holes) and G Dimensions on L Dimensions Configurable Type

For Rail Length Configurable Type, rail length is cut (1mm increment) and shipped. In that case, number of rail mounting holes and F dimensions are as below.

Miniature Linear Guide – Standard Rail

H	6, 8	10	13	16	20	No. of Mounting Holes M
—	—	36-47	46-57	71-87	101-139	2
41-50	48-67	58-82	88-127	140-199	—	3
51-65	68-87	83-107	128-167	200-259	—	4
66-80	88-107	108-132	168-207	260-319	—	5
81-95	108-127	133-157	208-247	320-379	—	6
96-110	128-147	158-182	248-287	380-439	—	7
111-125	148-167	183-207	288-327	440-499	—	8
126-129	168-187	208-232	328-367	500-559	—	9
—	188-207	233-257	368-407	560-619	—	10
—	208-227	258-282	408-447	620-679	—	11
—	228-247	283-307	448-487	680-699	—	12
—	248-267	308-332	488-527	—	—	13
—	268-274	333-357	528-567	—	—	14
—	—	358-382	568-607	—	—	15
—	—	383-407	608-647	—	—	16
—	—	408-432	648-669	—	—	17
—	—	433-457	—	—	—	18
—	—	458-469	—	—	—	19
F	F=15	F=20	F=25	F=40	F=60	

Miniature Linear Guide – Wide Rail

H	6.5	9	12	14	16	No. of Mounting Holes M
—	—	51-67	51-67	71-89	71-89	2
51-67	68-97	68-97	90-129	90-129	—	3
68-87	98-127	98-127	130-169	130-169	—	4
88-107	128-157	128-157	170-209	170-209	—	5
108-127	158-187	158-187	210-249	210-249	—	6
128-129	188-217	188-217	250-289	250-289	—	7
—	218-247	218-247	290-329	290-329	—	8
—	248-277	248-277	330-369	330-369	—	9
—	278-289	278-289	370-409	370-409	—	10
—	—	—	410-449	410-449	—	11
—	—	—	450-469	450-489	—	12
—	—	—	—	490-529	—	13
—	—	—	—	530-569	—	14
—	—	—	—	570-609	—	15
—	—	—	—	610-649	—	16
—	—	—	—	650-669	—	17
F	F=20	F=30	F=40			

Ⓢ M (# of mounting holes) for H16 type will be M x 2 since there are two rows of mounting holes.

Medium & Heavy Load Type

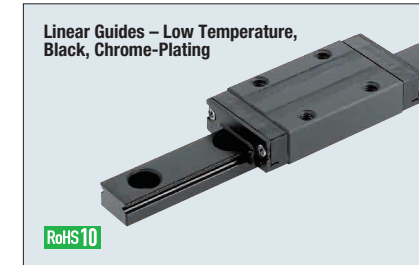
H	24	28, 30	33, 36, 40	42	No. of Mounting Holes M
101-131	—	—	—	—	2
132-191	161-199	161-201	201-279	—	3
192-251	200-259	202-261	281-343	—	4
252-311	260-319	262-321	344-423	—	5
312-371	320-379	322-381	424-503	—	6
372-431	380-439	382-441	504-583	—	7
432-491	440-499	442-501	584-663	—	8
492-551	500-559	502-561	664-743	—	9
552-611	560-619	562-621	744-823	—	10
612-671	620-679	622-681	824-903	—	11
672-731	680-739	682-741	904-983	—	12
732-791	740-799	742-801	984-1063	—	13
792-851	800-859	802-861	1064-1143	—	14
852-911	860-919	862-921	1144-1223	—	15
912-971	920-979	922-981	1224-1303	—	16
972-1031	980-1039	982-1041	1304-1383	—	17
1032-1091	1040-1099	1042-1101	1384-1463	—	18
1092-1151	1100-1159	1102-1161	1464-1543	—	19
1152-1211	1160-1219	1162-1221	1544-1623	—	20
1212-1271	1220-1279	1222-1281	1624-1703	—	21
1272-1331	1280-1339	1282-1341	1704-1783	—	22
1332-1391	1340-1399	1342-1401	1784-1863	—	23
1392-1451	1400-1459	1402-1461	1864-1943	—	24
1452-1479	1460-1519	1462-1521	1944-1959	—	25
—	1520-1579	1522-1581	—	—	26
—	1580-1639	1582-1641	—	—	27
—	1640-1699	1642-1701	—	—	28
—	1700-1759	1702-1761	—	—	29
—	1760-1819	1762-1821	—	—	30
—	1820-1879	1822-1881	—	—	31
—	1880-1939	1882-1941	—	—	32
—	1940-1959	1942-1959	—	—	33
F	F=60	F=80			

About G Dimensions

		G
Miniature Type	Standard Rails	$G = \frac{L - (M - 1) \times F}{2}$
	Wide Rails	
Medium & Heavy Load Type		

Linear Guides

Low Temperature, Black, Chrome-Plating



Low Temperature Black Chrome Plated Linear Guide Features

Low temperature black chrome plating on linear guides is 5µm of fluoropolymer layer chemically deposited as black film on rails and blocks, and it has long-lasting rust prevention effect. The coating layer is immune to cracking from tight radii strike-folding and does not flake under repeated bending. Any superficial coating particles that may come off the rolling contact surfaces are mixed in with the grease and remain its lubricity.

(Note) Surface treatment will not be applied to mounting holes of rails and blocks.

Description of Low Temperature Black Chrome Plated Model Type

For low temperature black chrome plated products, change the first letter of part numbers "S" to "R".

	[Standard]	[Low Temperature Black Chrome Plated Products]
(Ex.)	SSEB16-270	RSEB16-270
	SKR24-520	RKR24-520
	SSVR33-700	RSVR33-700

Low Temperature Black Chrome Plated Miniature Linear Guides Ⓢ Precision Grade Type or Standard Type is not offered. Only High Grade Type is available.

Rails	Block Length	Block Type	Page	Stainless Steel			
				1 Block		2 Blocks	
				Selectable	Specified	Selectable	Specified
Standard	Standard	Standard	P.614	RSEB	RSEBL	RSE2B	RSE2BL
	Long	Standard	P.620	RSELB	RSELBL	RSEL2B	RSEL2BL
Wide	Standard	Standard	P.628	RSEBW	RSEBWL	RSE2BW	RSE2BWL
	Long	Standard	P.634	RSELBW	RSELBWL	RSEL2BW	RSEL2BWL

Low Temperature Black Chrome Plated Medium and Heavy Load Linear Guides Ⓢ High Grade Type is not offered. Only Standard Type is available.

Rails	Block Length	Block Type	Page	Carbon Steel				Stainless Steel			
				1 Block		2 Blocks		1 Block		2 Blocks	
				Selectable	Specified	Selectable	Specified	Selectable	Specified	Selectable	Specified
Standard	Medium Load	Standard	P.648, 650	RVR	RVRL	RV2R	RV2RL	RSVR	RSVRL	RSV2R	RSV2RL
		With Dowel Holes	P.654	RVRN	RVRNL	RV2RN	RV2RNL	—	—	—	—
		Wide (Through Holes)	P.650	RVW	RVWL	RV2W	RV2WL	—	—	—	—
	Heavy Load	Wide (Tapped Holes)	P.650	RVWT	RVWTL	RV2WT	RV2WTL	—	—	—	—
		Standard	P.648, 652	RXR	RXRL	RX2R	RX2RL	RSXR	RSXRL	RSX2R	RSX2RL
		With Dowel Holes	P.656	RXRN	RXRNL	RX2RN	RX2RNL	—	—	—	—
		Wide (Through Holes)	P.652	RXW	RXWL	RX2W	RX2WL	—	—	—	
		Wide (Tapped Holes)	P.652	RXWT	RXWTL	RX2WT	RX2WTL	—	—	—	

Part Number	Type	H	L	
Miniature Type Wide Rails (P.628, 634)	8	10	40-55	
			56-70	
			71-85	
			86-100	
			101-115	
			116-130	
	Miniature Type Standard Rails (P.614, 620)	13	16	35-75
				76-95
				96-115
				116-135
				136-155
				156-175
Miniature Type Standard Rails (P.614, 620)		13	16	176-195
				196-215
				216-235
				236-255
				256-275
				276-295
	Miniature Type Standard Rails (P.614, 620)	13	16	45-95
				96-120
				121-145
				146-170
				171-195
				196-220
Miniature Type Standard Rails (P.614, 620)		13	16	221-245
				246-270
				271-295
				296-320
				321-345
				346-370
	Miniature Type Standard Rails (P.614, 620)	13	16	371-395
				396-420
				421-445
				446-470
				471-510
				511-550
Miniature Type Standard Rails (P.614, 620)		13	16	551-590
				591-630
				631-670
				671-710
				711-750
				751-790
	Miniature Type Standard Rails (P.614, 620)	13	16	791-830
				831-870
				871-910
				911-950
				951-990
				991-1030
Miniature Type Standard Rails (P.614, 620)		13	16	1031-1070
				1071-1110
				1111-1150
				1151-1190
				1191-1230
				1231-1270
	Miniature Type Standard Rails (P.614, 620)	13	16	1271-1310
				1311-1350
				1351-1390
				1391-1430
				1431-1470
				1471-1510
Miniature Type Standard Rails (P.614, 620)		13	16	1511-1550
				1551-1590
				1591-1630
				1631-1670
				1671-1710
				1711-1750
	Miniature Type Standard Rails (P.614, 620)	13	16	1751-1790
				1791-1830
				1831-1870
				1871-1910
				1911-1950
				1951-1990
Miniature Type Standard Rails (P.614, 620)		13	16	1991-2030
				2031-2070
				2071-2110
				2111-2150
				2151-2190
				2191-2230
	Miniature Type Standard Rails (P.614, 620)	13	16	2231-2270
				2271-2310
				2311-2350
				2351-2390
				2391-2430
				2431-2470
Miniature Type Standard Rails (P.614, 620)		13	16	2471-2510
				2511-2550
				2551-2590
				2591-2630
				2631-2670
				2671-2710
	Miniature Type Standard Rails (P.614, 620)	13	16	2711-2750
				2751-2790
				2791-2830
				2831-2870
				2871-2910
				2911-2950
Miniature Type Standard Rails (P.614, 620)		13	16	2951-2990
				2991-3030
				3031-3070
				3071-3110
				3111-3150
				3151-3190
	Miniature Type Standard Rails (P.614, 620)	13	16	3191-3230
				3231-3270
				3271-3310
				3311-3350
				3351-3390
				3391-3430
Miniature Type Standard Rails (P.614, 620)		13	16	3431-3470
				3471-3510
				3511-3550
				3551-3590
				3591-3630
				3631-3670
	Miniature Type Standard Rails (P.614, 620)	13	16	3671-3710
				3711-3750
				3751-3790
				3791-3830
				3831-3870
				3871-3910
Miniature Type Standard Rails (P.614, 620)		13	16	3911-3950
				3951-3990
				3991-4030
				4031-4070
				4071-4110
				4111-4150
	Miniature Type Standard Rails (P.614, 620)	13	16	4151-4190
				4191-4230
				4231-4270
				4271-4310
				4311-4350
				4351-4390
Miniature Type Standard Rails (P.614, 620)		13	16	4391-4430
				4431-4470
				4471-4510
				4511-4550
				4551-4590
				4591-46