

Please refer to website for current pricing.

# Special Greases / Details of Rail Length (L dimension) Configurable Type

# Linear Guides with Low Temperature Black Chrome Plating

## About Special Greases

The standard grease used in the linear guides can be changed to the following types.

Part Number	Product Name	Main Features
<b>L Type</b>	ET-100K (Made by Kyodo Yushi)	Excels in heat resistance, oxidation stability, adhesion and adhesive power. In addition, splash / leakage is little.
<b>G Type</b>	LG2 (Made by NSK Ltd.)	Special grease for linear guides, ball screws and etc. for clean-room use.

Product Name	Page	Grease Selectable	Unit Price Added to price of standard type
Miniature Linear Guides	P505~P542		15.00 (1 Block)
			21.00 (2 Blocks)
Medium and Heavy Load Linear Guides	P549~P562		18.00 (1 Block)
			27.00 (2 Blocks)

**Order Example**

Part Number - L  
**SEBL10L** - 270 (L Type Greased)  
**SEBL10G** - 270 (G Type Greased)

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

**Days to Ship** 8 Days **Non-Returnable P88**

**Express B** \$5.00 / piece **P88**

11 Days **Non-Returnable P88**

Price Please refer to each product page for Volume Discount Rate.

Alterations Part Number - L  
**SEBL10L** - 270

Add the unit price in the above table to the unit price of applicable standard product.

<Price Calculation Example> SEBL10L-270 (Standard Preload Type)

(Standard Type Unit Price)	+	(Additional Unit Price from above)	=	(Total)
\$76.70	+	\$15.00	=	\$91.70

## M (Number of Mounting Holes) and G Dimensions on L Dim. 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	

### Medium and 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	

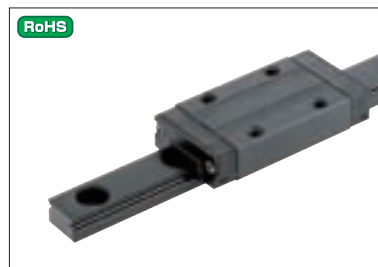
### About G Dimensions

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

### 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	
-	-	-	450~489	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.



**Features:** Low Temperature Black Chrome Plated Linear Guides

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 light radi 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 of low temperature black chrome plated linear guides.

**Explanation of Low Temperature Black Chrome Plated Model Types**

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

[Standard]	[Low Temperature Black Chrome Plated Products]
SEB10-115	REB10-115
SSEB16-270	RSEB16-270
SKR24-520	RKR24-520
SSVR33-700	RSSVR33-700

**Table: Low Temperature Black Chrome Plated Miniature Linear Guides**

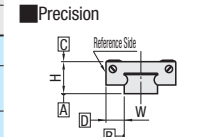
Rails	Block Length	Block Type	Catalog Page	Carbon Steel				Stainless Steel			
				1 Block		2 Blocks		1 Block		2 Blocks	
				Selectable	Specified	Selectable	Specified	Selectable	Specified	Selectable	Specified
Standard	Standard	Standard	P513	REB	REBL	RE2B	RE2BL	RSELB	RSELBL	RSEL2B	RSEL2BL
	Long	Standard	P521	RELB	RELBL	REL2B	REL2BL	RSELB	RSELBL	RSEL2B	RSEL2BL
Wide	Standard	Standard	P531	REBW	REBWL	RE2BW	RE2BWL	RSELBW	RSELBWL	RSEL2BW	RSEL2BWL
	Long	Standard	P539	RELBW	RELBWL	REL2BW	REL2BWL	RSELBW	RSELBWL	RSEL2BW	RSEL2BWL

**Table: Low Temperature Black Chrome Plated Medium and Heavy Load Linear Guides**

Rails	Block Length	Block Type	Catalog 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	P557*559	RVR	RVRL	RV2R	RV2RL	RSVR	RSVRL	RSV2R	RSV2RL
		With Dowel Holes	P563	RVRN	RVRNL	RV2RN	RV2RNL	-	-	-	-
		Wide (Through Holes)	P559	RVW	RVWL	RV2W	RV2WL	-	-	-	-
	Heavy Load	Standard	P557*561	RXR	RXRL	RX2R	RX2RL	RSXR	RSXRL	RSX2R	RSX2RL
		With Dowel Holes	P565	RXRN	RXRNL	RX2RN	RX2RNL	-	-	-	-
		Wide (Through Holes)	P561	RXW	RXWL	RX2W	RX2WL	-	-	-	-
		Wide (Tapped Holes)	P561	RXWT	RXWTL	RX2WT	RX2WTL	-	-	-	

Price of Low Temperature Black Chrome Plating (For low temperature black chrome plated products, add the price below to the unit price of Linear Guides.)

Part Number	Type	H	L	Unit Price		Part Number	Type	H	L	Unit Price		Part Number	Type	H	L	Unit Price	
				Blocks 1 pc.	Blocks 2 pcs.					Blocks 1 pc.	Blocks 2 pcs.					Blocks 1 pc.	Blocks 2 pcs.
Miniature Type Wide Rails (Page P527)	8	8	40~55	40.00	69.00	Miniature Type Standard Rails (Page P509*P517)	13	13	100~220	60.00	100.00	Medium and Heavy Load Type (Page P553*P562)	24	24	221~280	76.00	116.00
			56~70														
			71~85														
			86~100														
			101~115														
			116~130														
	35~75																
	76~95																
	96~115																
	116~135																
	136~155																
	156~175																
176~195																	
196~215																	
216~235																	
236~255																	
256~275																	
45~95																	
96~120																	
121~145																	
146~170																	
171~195																	
196~220																	
221~245																	
246~270																	
271~295																	
296~320																	
321~345																	
346~370																	
371~395																	
396~420																	
421~445																	
446~470																	
70~150																	
151~190																	
191~230																	
231~270																	
271~310																	
311~350																	
351~390																	
391~430																	
431~470																	
471~510																	
511~550																	
551~590																	
591~630																	
631~670																	
100~200																	
201~220																	
221~280																	
281~340																	
341~400																	
401~460																	
461~520																	
521~580																	
581~640																	
641~700																	
701~760																	
761~820																	
821~880																	
881~940																	
941~1000																	
1001~1120																	
1121~1240																	
160~280																	
281~340																	
341~400																	
401~460																	
461~520																	
521~580																	
581~640																	
641~700																	
701~760																	
761~820																	
821~880																	
881~940																	
941~1000																	
1001~1120																	
1121~1240																	



**Miniature Type** (µm)

Standard Preload Type	High Grade
Height H Tolerance	+30
Height H Pair Variation	±25
Dimension Tolerance of Width W	±25
Pair Variation of Width W	±20

⚠ Precisions of low temperature black chrome plated miniature linear guides have been revised as above. Precision of Medium and Heavy Load Type is the same as that of Standard Type.

⚠ The sliding resistance is higher than that of regular type. Approx. 1.2N or less.

H dimension 24 is available up to 1,000mm of L dimension.  
 For H28, L is available up to 1240mm.  
 For H33, L is available up to 1240mm.

**Order Example**

Part Number - L  
**REB13** - 270 (L Type Greased)  
**REB8L** - 70 (L Type Greased)  
**REB8G** - 70 (G Type Greased)

Alternative grease types available.  
 For Days to Ship, Price and Performance, refer to **P503**

**Days to Ship** 11 Days **Non-Returnable P88**

**Price** Please refer to each product page for quantity discount rates.  
 (Ex) For REB13-270, Standard SEB13-270 \$50.00, Price of Low Temperature Black Chrome Plating \$48.00, Total \$98.00

**Alterations** Confirm the details of alteration on each page.