

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 | P.610-639 | L G |
| Medium and Heavy Load Linear Guides | P.644-657 | L G |

Part Number 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.

Part Number Alterations

Part Number - L

SEBL10L - 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 | 140-199 | 2 |
| 41-50 | 48-67 | 58-82 | 88-127 | 140-199 | 200-259 | 3 |
| 51-65 | 68-87 | 83-107 | 128-167 | 200-259 | 260-319 | 4 |
| 66-80 | 88-107 | 108-132 | 168-207 | 260-319 | 320-379 | 5 |
| 81-95 | 108-127 | 133-157 | 208-247 | 320-379 | 380-439 | 6 |
| 96-110 | 128-147 | 158-182 | 248-287 | 380-439 | 440-499 | 7 |
| 111-125 | 148-167 | 183-207 | 288-327 | 440-499 | 500-559 | 8 |
| 126-129 | 168-187 | 208-232 | 328-367 | 500-559 | 560-619 | 9 |
| — | 188-207 | 233-257 | 368-407 | 560-619 | 620-679 | 10 |
| — | 208-227 | 258-282 | 408-447 | 620-679 | 680-699 | 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 |

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 | 90-129 | 2 |
| 51-67 | 68-97 | 68-97 | 90-129 | 90-129 | 130-169 | 3 |
| 68-87 | 98-127 | 98-127 | 130-169 | 130-169 | 170-209 | 4 |
| 88-107 | 128-157 | 128-157 | 170-209 | 170-209 | 210-249 | 5 |
| 108-127 | 158-187 | 158-187 | 210-249 | 210-249 | 250-289 | 6 |
| 128-129 | 188-217 | 188-217 | 250-289 | 250-289 | 290-329 | 7 |
| — | 218-247 | 218-247 | 290-329 | 290-329 | 330-369 | 8 |
| — | 248-277 | 248-277 | 330-369 | 330-369 | 370-409 | 9 |
| — | 278-289 | 278-289 | 370-409 | 370-409 | 410-449 | 10 |
| — | — | — | 410-449 | 410-449 | 450-489 | 11 |
| — | — | — | 450-469 | 450-489 | 490-529 | 12 |
| — | — | — | — | — | 530-569 | 13 |
| — | — | — | — | — | 570-609 | 14 |
| — | — | — | — | — | 610-649 | 15 |
| — | — | — | — | — | 650-669 | 16 |

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

Medium & Heavy Load Type

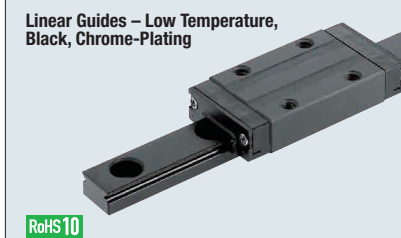
| H | 24 | 28, 30 | 33, 36, 40 | 42 | No. of Mounting Holes M |
|-----------|-----------|-----------|------------|----|-------------------------|
| 101-131 | — | — | — | — | 2 |
| 132-191 | 161-199 | 161-201 | 201-279 | — | 3 |
| 192-251 | 200-259 | 202-261 | 281-343 | — | 4 |
| 252-311 | 260-319 | 262-321 | 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 | |

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



Linear Guides – Low Temperature, Black, Chrome-Plating

RoHS 10

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.) | SEB10-115 | REB10-115 |
| | SEB16-270 | REB16-270 |
| | SKR24-520 | RKR24-520 |
| | SVR33-700 | RVR33-700 |

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 | Carbon Steel | | | | Stainless Steel | | | |
|----------|--------------|------------|-------|--------------|-----------|------------|-----------|-----------------|-----------|------------|-----------|
| | | | | 1 Block | | 2 Blocks | | 1 Block | | 2 Blocks | |
| | | | | Selectable | Specified | Selectable | Specified | Selectable | Specified | Selectable | Specified |
| Standard | Standard | Standard | P.614 | REB | REBL | RE2B | RE2BL | RSEB | RSEBL | RSE2B | RSE2BL |
| | Long | Standard | P.620 | RELB | RELBL | REL2B | REL2BL | RSELB | RSELBL | RSEL2B | RSEL2BL |
| Wide | Standard | Standard | P.628 | REBW | REBWL | RE2BW | RE2BWL | RSEBW | RSEBWL | RSE2BW | RSE2BWL |
| | Long | Standard | P.634 | RELBW | RELBWL | REL2BW | REL2BWL | 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 | 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 | — | — | — | — |

| 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 | 296-320 |
| | | | | 321-345 |
| | | | | 346-370 |
| | | | | 371-395 |
| | | | | 396-420 |
| | | | | 421-445 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 446-470 |
| | | | | 471-510 |
| | | | | 511-550 |
| | | | | 551-590 |
| | | | | 591-630 |
| | | | | 631-670 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 671-710 |
| | | | | 711-750 |
| | | | | 751-790 |
| | | | | 791-830 |
| | | | | 831-870 |
| | | | | 871-910 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 911-950 |
| | | | | 951-990 |
| | | | | 991-1030 |
| | | | | 1031-1070 |
| | | | | 1071-1110 |
| | | | | 1111-1150 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 1151-1190 |
| | | | | 1191-1230 |
| | | | | 1231-1270 |
| | | | | 1271-1310 |
| | | | | 1311-1350 |
| | | | | 1351-1390 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 1391-1430 |
| | | | | 1431-1470 |
| | | | | 1471-1510 |
| | | | | 1511-1550 |
| | | | | 1551-1590 |
| | | | | 1591-1630 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 1631-1670 |
| | | | | 1671-1710 |
| | | | | 1711-1750 |
| | | | | 1751-1790 |
| | | | | 1791-1830 |
| | | | | 1831-1870 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 1871-1910 |
| | | | | 1911-1950 |
| | | | | 1951-1990 |
| | | | | 1991-2030 |
| | | | | 2031-2070 |
| | | | | 2071-2110 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 2111-2150 |
| | | | | 2151-2190 |
| | | | | 2191-2230 |
| | | | | 2231-2270 |
| | | | | 2271-2310 |
| | | | | 2311-2350 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 2351-2390 |
| | | | | 2391-2430 |
| | | | | 2431-2470 |
| | | | | 2471-2510 |
| | | | | 2511-2550 |
| | | | | 2551-2590 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 2591-2630 |
| | | | | 2631-2670 |
| | | | | 2671-2710 |
| | | | | 2711-2750 |
| | | | | 2751-2790 |
| | | | | 2791-2830 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 2831-2870 |
| | | | | 2871-2910 |
| | | | | 2911-2950 |
| | | | | 2951-2990 |
| | | | | 2991-3030 |
| | | | | 3031-3070 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 3071-3110 |
| | | | | 3111-3150 |
| | | | | 3151-3190 |
| | | | | 3191-3230 |
| | | | | 3231-3270 |
| | | | | 3271-3310 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 3311-3350 |
| | | | | 3351-3390 |
| | | | | 3391-3430 |
| | | | | 3431-3470 |
| | | | | 3471-3510 |
| | | | | 3511-3550 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 3551-3590 |
| | | | | 3591-3630 |
| | | | | 3631-3670 |
| | | | | 3671-3710 |
| | | | | 3711-3750 |
| | | | | 3751-3790 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 3791-3830 |
| | | | | 3831-3870 |
| | | | | 3871-3910 |
| | | | | 3911-3950 |
| | | | | 3951-3990 |
| | | | | 3991-4030 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 4031-4070 |
| | | | | 4071-4110 |
| | | | | 4111-4150 |
| | | | | 4151-4190 |
| | | | | 4191-4230 |
| | | | | 4231-4270 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 4271-4310 |
| | | | | 4311-4350 |
| | | | | 4351-4390 |
| | | | | 4391-4430 |
| | | | | 4431-4470 |
| | | | | 4471-4510 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 4511-4550 |
| | | | | 4551-4590 |
| | | | | 4591-4630 |
| | | | | 4631-4670 |
| | | | | 4671-4710 |
| | | | | 4711-4750 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 4751-4790 |
| | | | | 4791-4830 |
| | | | | 4831-4870 |
| | | | | 4871-4910 |
| | | | | 4911-4950 |
| | | | | 4951-4990 |
| | Miniature Type Standard Rails (P.614, 620) | 13 | 16 | 4991-5030 |
| | | | | 5031-5070 |
| | | | | 5071-5110 |
| | | | | 5111-5150 |
| | | | | 5151-5190 |
| | | | | 5191-5230 |
| Miniature Type Standard Rails (P.614, 620) | | 13 | 16 | 5231-5270 |