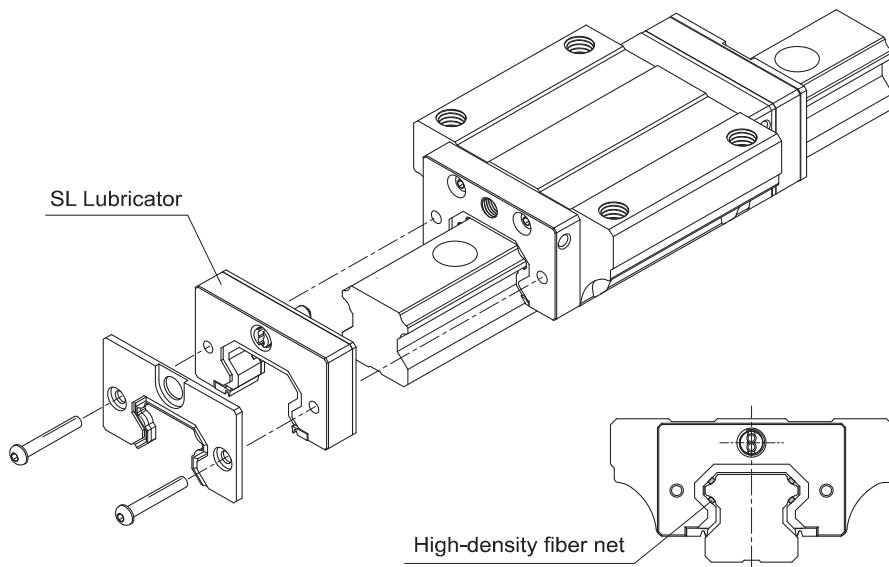


SL Lubricator

Construction and Characteristics



Characteristics

PMISL lubricator unit is designed with an oil reservoir which equipped with a high-density fiber net. Through the fiber net the lubricant can be steadily fed onto the surface of raceway to satisfy the required lubricating function.

- Lengthening the interval between maintenance works

Contrary to the oil losing problem caused from ordinary lubrication, the SL lubricator effectively and evenly distribute needed amount of oil on to ball raceway during the movement. Therefore, the interval between maintenance works can be greatly extended.

- To avert the pollution

Through the use of SL lubricator, only the needed amount of oil will be fed for the purpose of lubrication, thereby the oil is almost nothing to lose in application. As a result, the environment will not be contaminated by waste oil.

- Cost reduction

Saving the expense from oil loss and lubricating device.

- Enables the most suitable oil for the purpose of use to be selected

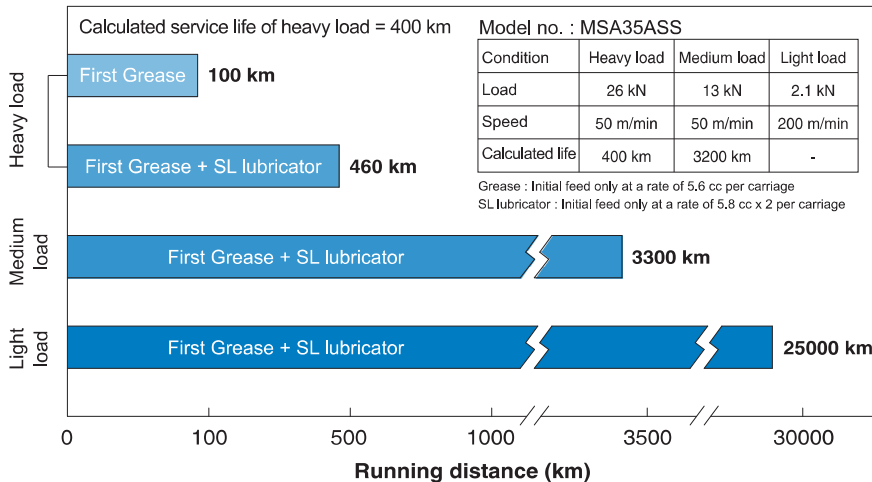
The SL lubricator makes it possible to select the most proper lubricant for your application of linear guideway.

Performance

- Lengthening the interval between maintenance works

By using the SL lubricator, the interval between maintenance work can be lengthened at all load rating.

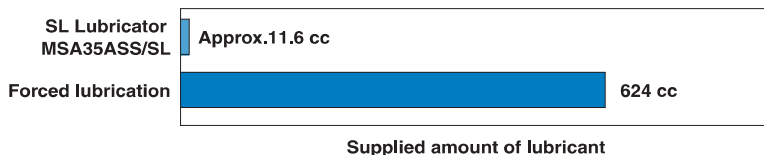
- Running Test without Replenishment of Lubricant



- Effective use of lubricant

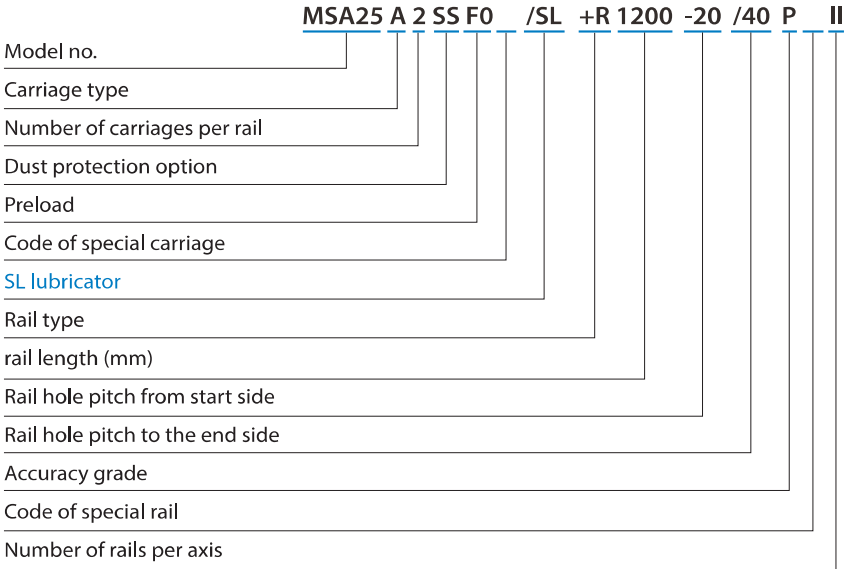
Since only the needed amount of lubricant will be applied to needed location, thereby effective use of lubricant can be achieved and the waste of lubricant can also be avoided.

- Annual Lubricant Consumption per Carriage

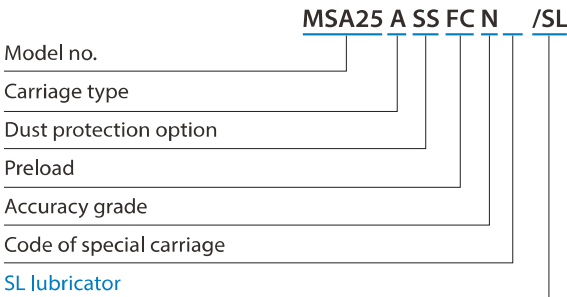


Description of Specification

- Non-Interchangeable Type

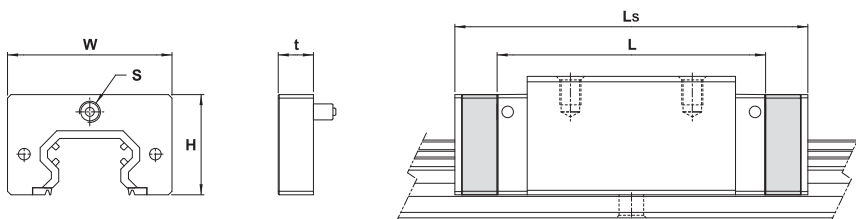


- Interchangeable Type Carriage



Dimensions of the SL Lubricator

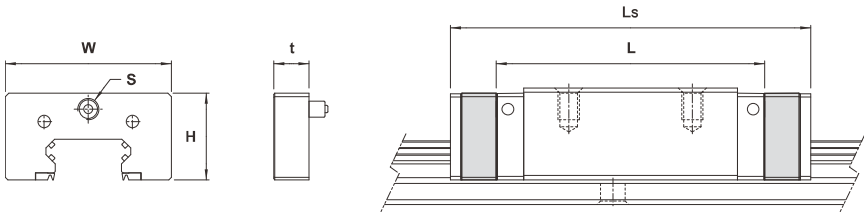
- MSA series



| Model No. | | SL Lubricator dimension (mm) | | | | Carriage dimension (mm) | |
|-----------|----------|------------------------------|---------|-------------|---------------|-------------------------|---------------------------------|
| | | Height H | Width W | Thickness t | Tapped hole S | Standard length L | SL Lubricator overall length Ls |
| MSA 15SL | A/E/S | 19 | 31.2 | 10 | M4 | 56.3 | 76.3 |
| MSA 20SL | A/E/S | 21.2 | 42.8 | 10 | M6 | 67.3 | 92.9 |
| | LA/LE/LS | | | | | 83.2 | 108.8 |
| MSA 25SL | A/E/S | 28.5 | 46.8 | 10 | M6 | 76 | 101.6 |
| | LA/LE/LS | | | | | 95 | 120.6 |
| MSA 30SL | A/E/S | 32 | 57 | 10 | M6 | 91.4 | 117 |
| | LA/LE/LS | | | | | 113.6 | 139.2 |
| MSA 35SL | A/E/S | 36.5 | 68 | 10 | M6 | 104 | 131.2 |
| | LA/LE/LS | | | | | 129.4 | 156.6 |
| MSA 45SL | A/E/S | 49 | 83.6 | 15 | 1/8PT | 130.5 | 167.7 |
| | LA/LE/LS | | | | | 162.3 | 199.5 |
| MSA 55SL | A/E/S | 53 | 97 | 15 | 1/8PT | 153.7 | 191.5 |
| | LA/LE/LS | | | | | 191.7 | 229.5 |
| MSA 65SL | A/E/S | 67 | 120 | 15 | 1/8PT | 191.2 | 229 |
| | LA/LE/LS | | | | | 245.2 | 283 |

Note: Supply the Dust proof series(UU、SS、ZZ、LL、RR)

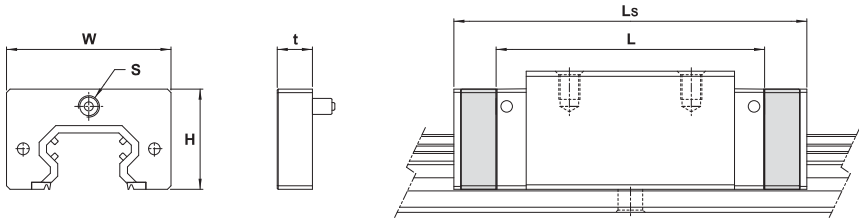
• MSB series



| Model No. | | SL Lubricator dimension (mm) | | | | Carriage dimension (mm) | |
|-----------|-------|------------------------------|---------|-------------|---------------|-------------------------|---------------------------------|
| | | Height H | Width W | Thickness t | Tapped hole S | Standard length L | SL Lubricator overall length Ls |
| MSB 15SL | TE/TS | 18.5 | 33 | 10 | M4 | 35.2 | 60.2 |
| | E/S | | | | | 52.2 | 77.2 |
| MSB 20SL | TE/TS | 21.2 | 40.8 | 10 | M6 | 42 | 68 |
| | E/S | | | | | 61 | 87 |
| MSB 25SL | TE/TS | 24.5 | 47 | 10 | M6 | 54.2 | 80.2 |
| | E/S | | | | | 76 | 102 |
| MSB 30SL | TE/TS | 30.8 | 57 | 10 | M6 | 62 | 88 |
| | E/S | | | | | 90.7 | 116.7 |
| MSB 35SL | TE/TS | 37 | 68.5 | 10 | M6 | 70.8 | 98 |
| | E/S | | | | | 104.8 | 132 |
| | LE/LS | | | | | 130.3 | 157.5 |

Note: Supply the Dust proof series(UU、SS、ZZ、LL、RR)

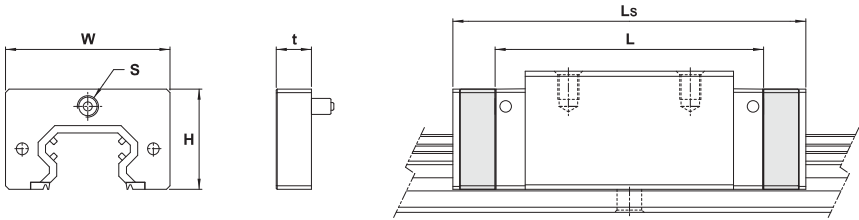
• MSR series



| Model No. | SL Lubricator dimension (mm) | | | | Carriage dimension (mm) | |
|-----------|------------------------------|---------|-------------|---------------|-------------------------|---------------------------------|
| | Height H | Width W | Thickness t | Tapped hole S | Standard length L | SL Lubricator overall length Ls |
| MSR 20SL | E/S | 43 | 10 | M4 | 83.8 | 103.8 |
| | LE/LS | | | | 103.8 | 123.8 |
| MSR 25SL | E/S | 47 | 10 | M6 | 91.5 | 117.5 |
| | LE/LS | | | | 109.5 | 135.5 |
| MSR 30SL | E/S | 58.6 | 10 | M6 | 106.4 | 132.4 |
| | LE/LS | | | | 129.2 | 155.2 |
| MSR 35SL | E/S | 69 | 10.3 | M6 | 119.3 | 145.9 |
| | LE/LS | | | | 147.5 | 174.1 |
| MSR 45SL | E/S | 84 | 15.3 | 1/8PT | 147.8 | 184.8 |
| | LE/LS | | | | 183 | 220 |
| MSR 55SL | E/S | 98 | 15.3 | 1/8PT | 178.2 | 216 |
| | LE/LS | | | | 228.2 | 266 |
| MSR 65SL | LE/LS | 122 | 15 | 1/8PT | 292.6 | 330.4 |

Note: Supply the Dust proof series(UU、SS、ZZ)

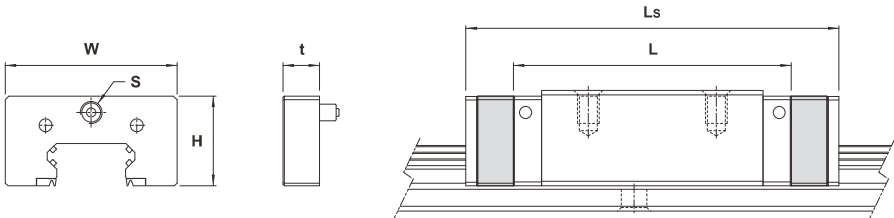
• SMR series



| Model No. | | SL Lubricator dimension (mm) | | | | Carriage dimension (mm) | |
|-----------|-------|------------------------------|---------|-------------|----------|-------------------------|---------------------------------|
| | | Height H | Width W | Thickness t | Tapped S | Standard length L | SL Lubricator overall length LS |
| SMR 25SL | E/S | 30.2 | 47 | 10 | M6 | 91.5 | 117.5 |
| | LE/LS | | | | | 109.5 | 135.5 |
| SMR 30SL | E/S | 34.5 | 58.6 | 10 | M6 | 106.4 | 132.4 |
| | LE/LS | | | | | 129.2 | 155.2 |
| SMR 35SL | E/S | 40.5 | 69 | 10.3 | M6 | 119.3 | 145.9 |
| | LE/LS | | | | | 147.5 | 174.1 |
| SMR 45SL | E/S | 50.9 | 84 | 15.3 | 1/8PT | 147.8 | 184.8 |
| | LE/LS | | | | | 183 | 220 |
| SMR 55SL | E/S | 58.5 | 98 | 15.3 | 1/8PT | 178.2 | 216 |
| | LE/LS | | | | | 228.2 | 266 |
| SMR 65SL | LE/LS | 76.5 | 122 | 15 | 1/8PT | 294.2 | 332 |

Note: Supply the Dust proof series(UU \ SS \ ZZ)

• SME series



| Model No. | | SL Lubricator dimension (mm) | | | | Carriage dimension (mm) | |
|-----------|-------|------------------------------|---------|-------------|---------------|-------------------------|---------------------------------|
| | | Height H | Width W | Thickness t | Tapped hole S | Standard length L | SL Lubricator overall length Ls |
| SME 15SL | E/S | 20.1 | 33.2 | 10 | M4 | 59 | 84.4 |
| | LE/LS | | | | | 74 | 99.4 |
| SME 20SL | E/S | 22.8 | 41.4 | 10 | M6 | 72.5 | 98.5 |
| | LE/LS | | | | | 91.5 | 117.5 |
| SME 25SL | E/S | 26.1 | 47.2 | 10 | M6 | 86 | 112 |
| | LE/LS | | | | | 103 | 129 |
| SME 30SL | E/S | 33.5 | 58.5 | 10 | M6 | 101.6 | 127.6 |
| | LE/LS | | | | | 126.6 | 152.6 |
| SME 35SL | E/S | 38.5 | 68 | 10 | M6 | 113.8 | 140.6 |
| | LE/LS | | | | | 143.8 | 170.6 |
| SME 45SL | E/S | 49 | 83.6 | 15 | 1/8PT | 132.8 | 170 |
| | LE/LS | | | | | 167.3 | 204.5 |

Note: Supply the Dust proof series(UU \ SS \ ZZ)