



| Model No.                             | External dimension |            |                |       |       | Carriage dimension |          |              |              |    |    |      |     |       |       |                  |
|---------------------------------------|--------------------|------------|----------------|-------|-------|--------------------|----------|--------------|--------------|----|----|------|-----|-------|-------|------------------|
|                                       | Height<br>H        | Width<br>W | Length<br>L    | $W_2$ | $H_2$ | B                  | C        | $S \times l$ | $L_1$        | T  | N  | G    | K   | $e_1$ | $G_1$ | Grease<br>Nipple |
| <b>SME 15 SB</b><br><b>SME 15 LSB</b> | 24                 | 34         | 64.4<br>79.4   | 9.5   | 3.5   | 26                 | 26<br>34 | M4×5         | 48<br>63     | 6  | 5  | 5.5  | 2.7 | -     | M4    | G-M4             |
| <b>SME 20 SB</b><br><b>SME 20 LSB</b> | 28                 | 42         | 78.5<br>97.5   | 11    | 4.7   | 32                 | 32<br>45 | M5×5.5       | 58.3<br>77.3 | 6  | 6  | 12   | 3.7 | -     | M4    | G-M6             |
| <b>SME 25 SB</b><br><b>SME 25 LSB</b> | 33                 | 48         | 92<br>109      | 12.5  | 5.8   | 35                 | 35<br>50 | M6×7         | 71<br>88     | 8  | 7  | 12   | 4   | -     | M4    | G-M6             |
| <b>SME 25 SV</b><br><b>SME 25 LSV</b> | 36                 | 48         | 92<br>109      | 12.5  | 5.8   | 35                 | 35<br>50 | M6×9         | 71<br>88     | 8  | 10 | 12   | 4   | -     | M4    | G-M6             |
| <b>SME 30 SB</b><br><b>SME 30 LSB</b> | 42                 | 60         | 107.6<br>132.6 | 16    | 7.5   | 40                 | 40<br>60 | M8×10        | 80<br>105    | 8  | 8  | 12   | 6.5 | 5.4   | M6    | G-M6             |
| <b>SME 35 SB</b><br><b>SME 35 LSB</b> | 48                 | 70         | 120.6<br>150.6 | 18    | 8     | 50                 | 50<br>72 | M8×11        | 90<br>120    | 11 | 8  | 12   | 6.5 | 6     | M6    | G-M6             |
| <b>SME 45 SB</b><br><b>SME 45 LSB</b> | 60                 | 86         | 140<br>174.5   | 20.5  | 10    | 60                 | 60<br>80 | M10×16       | 106<br>140.5 | 16 | 10 | 13.5 | 8.5 | 6.1   | M6    | G-PT 1/8         |

**Note:** The basic dynamic load rating C of ball type is based on the 50 km for nominal life. The conversion between C for 50 km and  $C_{100}$  for 100 km is  $C=1.26 \times C_{100}$ .

**Note\*:** Single: Single carriage/ Double: Double carriages closely contacting with each other.

Unit: mm

| Model No.                             | Rail dimension          |                          |            |           |             | Basic load rating  |                                | Static moment rating   |               |                        |               |                        | Weight         |              |
|---------------------------------------|-------------------------|--------------------------|------------|-----------|-------------|--------------------|--------------------------------|------------------------|---------------|------------------------|---------------|------------------------|----------------|--------------|
|                                       | Width<br>W <sub>r</sub> | Height<br>H <sub>r</sub> | Pitch<br>P | E<br>std. | D × h × d   | Dynamic<br>C<br>kN | Static<br>C <sub>s</sub><br>kN | M <sub>p</sub><br>kN-m |               | M <sub>y</sub><br>kN-m |               | M <sub>R</sub><br>kN-m | Carriage<br>kg | Rail<br>kg/m |
|                                       |                         |                          |            |           |             |                    |                                | Single*                | Double*       | Single*                | Double*       |                        |                |              |
| <b>SME 15 SB</b><br><b>SME 15 LSB</b> | 15                      | 13                       | 60         | 20        | 7.5×5.8×4.5 | 12.5<br>15.4       | 20.2<br>27.5                   | 0.14<br>0.25           | 0.69<br>1.15  | 0.14<br>0.25           | 0.69<br>1.15  | 0.16<br>0.21           | 0.19<br>0.22   | 1.4          |
| <b>SME 20 SB</b><br><b>SME 20 LSB</b> | 20                      | 15.5                     | 60         | 20        | 9.5×8.5×6   | 20.4<br>25.3       | 32.1<br>43.6                   | 0.27<br>0.49           | 1.34<br>2.24  | 0.27<br>0.49           | 1.34<br>2.24  | 0.33<br>0.44           | 0.26<br>0.35   | 2.3          |
| <b>SME 25 SB</b><br><b>SME 25 LSB</b> | 23                      | 18                       | 60         | 20        | 11×9×7      | 28.3<br>33.0       | 44.3<br>56.1                   | 0.45<br>0.71           | 2.14<br>3.20  | 0.45<br>0.71           | 2.14<br>3.20  | 0.52<br>0.66           | 0.31<br>0.49   | 3.2          |
| <b>SME 25 SV</b><br><b>SME 25 LSV</b> | 23                      | 18                       | 60         | 20        | 11×9×7      | 28.3<br>33.0       | 44.3<br>56.1                   | 0.45<br>0.71           | 2.14<br>3.20  | 0.45<br>0.71           | 2.14<br>3.20  | 0.52<br>0.66           | 0.44<br>0.62   | 3.2          |
| <b>SME 30 SB</b><br><b>SME 30 LSB</b> | 28                      | 23                       | 80         | 20        | 14×12×9     | 39.4<br>47.0       | 59.5<br>76.5                   | 0.68<br>1.11           | 3.37<br>5.32  | 0.68<br>1.11           | 3.37<br>5.32  | 0.83<br>1.07           | 0.85<br>1.10   | 4.5          |
| <b>SME 35 SB</b><br><b>SME 35 LSB</b> | 34                      | 26                       | 80         | 20        | 14×12×9     | 54.7<br>67.6       | 81.0<br>109.9                  | 1.07<br>1.92           | 5.25<br>8.75  | 1.07<br>1.92           | 5.25<br>8.75  | 1.41<br>1.91           | 1.22<br>1.61   | 6.2          |
| <b>SME 45 SB</b><br><b>SME 45 LSB</b> | 45                      | 32                       | 105        | 22.5      | 20×17×14    | 72.7<br>90.0       | 105.8<br>143.6                 | 1.61<br>2.88           | 7.82<br>13.08 | 1.61<br>2.88           | 7.82<br>13.08 | 2.41<br>3.27           | 2.86<br>3.57   | 10.5         |