



| Model No.       | External dimension |            |             |       |       | Carriage dimension |    |                 |       |     |     |    |     |       |                  |
|-----------------|--------------------|------------|-------------|-------|-------|--------------------|----|-----------------|-------|-----|-----|----|-----|-------|------------------|
|                 | Height<br>H        | Width<br>W | Length<br>L | $W_2$ | $H_2$ | B                  | C  | $S \times \ell$ | $L_1$ | T   | N   | G  | K   | $d_1$ | Grease<br>Nipple |
| <b>SMA 15 S</b> | 28                 | 34         | 61.4        | 9.5   | 4.2   | 26                 | 26 | M4×5            | 39.3  | 7.2 | 8.3 | 7  | 4.9 | 3.3   | G-M4             |
| SMA 20 S        | 30                 | 44         | 76.7        | 12    | 5     | 32                 | 36 | M5×6            | 51.3  | 8   | 5.1 | 12 | 6   | 5.3   | G-M6             |
| <b>SMA 25 S</b> | 40                 | 48         | 83.4        | 12.5  | 6.5   | 35                 | 35 | M6×8            | 59    | 10  | 10  | 12 | 5.4 | 5.3   | G-M6             |

**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>$W_1$ | Height<br>$H_1$ | Pitch<br>$P$ | E<br>std. | $D \times h \times d$ | Dynamic<br>$C$<br>kN | Static<br>$C_0$<br>kN | $M_p$<br>kN-m        |         | $M_y$<br>kN-m |         | $M_n$<br>kN-m | Carriage<br>kg | Rail<br>kg/m |
|                 |                |                 |              |           |                       |                      |                       | Single*              | Double* | Single*       | Double* |               |                |              |
| <b>SMA 15 S</b> | 15             | 15              | 60           | 20        | 7.5×5.3×4.5           | 11.6                 | 17.3                  | 0.11                 | 0.68    | 0.11          | 0.68    | 0.12          | 0.14           | 1.5          |
| SMA 20 S        | 20             | 18              | 60           | 20        | 9.5×8.5×6             | 18.8                 | 27                    | 0.22                 | 1.37    | 0.22          | 1.37    | 0.26          | 0.22           | 2.4          |
| <b>SMA 25 S</b> | 23             | 22              | 60           | 20        | 11×9×7                | 27.6                 | 38.9                  | 0.36                 | 2.14    | 0.36          | 2.14    | 0.44          | 0.52           | 3.4          |