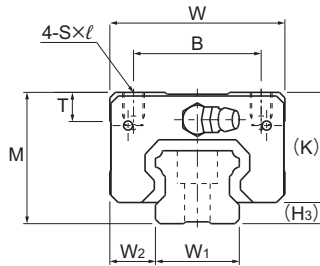


Models SHS-V, SHS-VM, SHS-LV, and SHS-LVM



| Model No. | Outer dimensions | | | LM block dimensions | | | | | | | | | | Pilot hole for side nipple | | |
|-----------------------|------------------|------------|--------------------------|---------------------|-----------|--------|----------------|------|------|------|-----|---------------|----------------|----------------------------|-----------------------------|--|
| | Height M | Width W | Length ¹ L | B | C | S×ℓ | L ₁ | T | K | N | E | Grease nipple | e ₀ | f ₀ | D ₀ ² | |
| SHS 15V SHS 15VM | 24 | 34 | 64.4 | 26 | 26 | M4×4 | 48 | 5.9 | 21 | 5.5 | 5.5 | PB1021B | 4 | 4 | 3 | |
| SHS 15LV SHS 15LVM | 24 | 34 | 79.4 | 26 | 34 | M4×4 | 63 | 5.9 | 21 | 5.5 | 5.5 | PB1021B | 4 | 4 | 3 | |
| SHS 20V SHS 20VM | 30 | 44 | 79 | 32 | 36 | M5×5 | 59 | 8 | 25.4 | 6.5 | 12 | B-M6F | 4.3 | 5.3 | 3 | |
| SHS 20LV SHS 20LVM | 30 | 44 | 98 | 32 | 50 | M5×5 | 78 | 8 | 25.4 | 6.5 | 12 | B-M6F | 4.3 | 5.3 | 3 | |
| SHS 25V SHS 25VM | 36 | 48 | 92 | 35 | 35 | M6×6.5 | 71 | 8 | 30.2 | 7.5 | 12 | B-M6F | 4.5 | 5.5 | 3 | |
| SHS 25LV SHS 25LVM | 36 | 48 | 109 | 35 | 50 | M6×6.5 | 88 | 8 | 30.2 | 7.5 | 12 | B-M6F | 4.5 | 5.5 | 3 | |
| SHS 30V SHS 30LV | 42 | 60 | 106 131 | 40 | 40 60 | M8×8 | 80 105 | 8 | 35 | 8 | 12 | B-M6F | 5.8 | 6 | 5.2 | |
| SHS 35V SHS 35LV | 48 | 70 | 122 152 | 50 | 50 72 | M8×10 | 93 123 | 14.7 | 40.5 | 8 | 12 | B-M6F | 6.5 | 5.5 | 5.2 | |
| SHS 45V SHS 45LV | 60 | 86 | 140 174 | 60 | 60 80 | M10×15 | 106 140 | 14.9 | 51.1 | 10.5 | 16 | B-PT1/8 | 8 | 8 | 5.2 | |
| SHS 55V SHS 55LV | 70 | 100 | 171 213 | 75 | 75 95 | M12×15 | 131 173 | 19.4 | 57.3 | 11 | 16 | B-PT1/8 | 10 | 8 | 5.2 | |
| SHS 65V SHS 65LV | 90 | 126 | 221 272 | 76 | 70 120 | M16×20 | 175 226 | 19.5 | 71 | 19 | 16 | B-PT1/8 | 10 | 12 | 5.2 | |

Model number coding

SHS25 V 2 QZ KKHH C1 M +1240L P Z T M - II

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol

Stainless steel LM block

LM rail length (in mm)

With steel tape

Stainless steel LM rail

No. of LM blocks used on the same rail

Radial clearance symbol
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

Accuracy symbol
Normal grade (No Symbol)
High accuracy grade (H)
Precision grade (P)
Super precision grade (SP)
Ultra precision grade (UP)

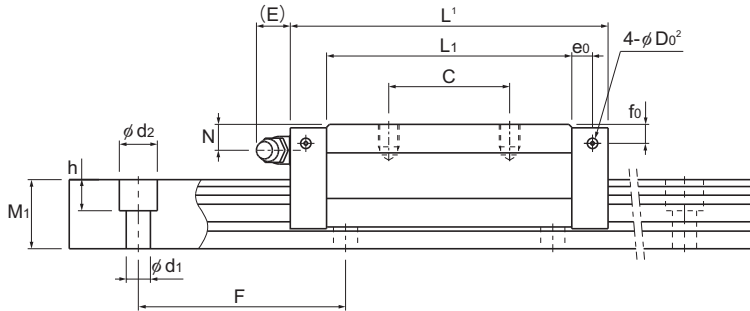
Symbol for LM rail jointed use

Symbol for No. of rails used on the same plane

Notes: This model number indicates that a single-rail unit constitutes one set (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum).

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

See **1-547** for contamination protection accessories, see **1-73** for radial clearance symbol. See **1-79** for accuracy symbol. See **1-13** for symbol for number of rails used on the same plane.



Unit: mm

| H _s | LM rail dimensions | | | | | | | Basic load rating | | Static permissible moment kN·m ⁴ | | | | | Mass | |
|----------------|------------------------------|----------------|----------------|-----|-------------------------------------|----------------------------|--------------|-------------------|----------------|---|----------------|--------------|----------------|----------------|-----------------|--|
| | W ₁ 0 -0.05 | W ₂ | M ₁ | F | d ₁ × d ₂ × h | Length ³ Max | C | C ₀ | M _A | | M _B | | M _C | LM block kg | LM rail kg/m | |
| | | | | | | | | | 1 block | 2 blocks | 1 block | 2 blocks | | | | |
| | | | | | | | | | | | | | | | | |
| 3 | 15 | 9.5 | 13 | 60 | 4.5 × 7.5 × 5.3 | 3000 (1240) | 14.2 | 24.2 | 0.175 | 0.898 | 0.175 | 0.898 | 0.16 | 0.19 | 1.3 | |
| 3 | 15 | 9.5 | 13 | 60 | 4.5 × 7.5 × 5.3 | 3000 (1240) | 17.2 | 31.9 | 0.296 | 1.43 | 0.296 | 1.43 | 0.212 | 0.22 | 1.3 | |
| 4.6 | 20 | 12 | 16.5 | 60 | 6 × 9.5 × 8.5 | 3000 (1480) | 22.3 | 38.4 | 0.334 | 1.75 | 0.334 | 1.75 | 0.361 | 0.35 | 2.3 | |
| 4.6 | 20 | 12 | 16.5 | 60 | 6 × 9.5 × 8.5 | 3000 (1480) | 28.1 | 50.3 | 0.568 | 2.8 | 0.568 | 2.8 | 0.473 | 0.46 | 2.3 | |
| 5.8 | 23 | 12.5 | 20 | 60 | 7 × 11 × 9 | 3000 (2020) | 31.7 | 52.4 | 0.566 | 2.75 | 0.566 | 2.75 | 0.563 | 0.54 | 3.2 | |
| 5.8 | 23 | 12.5 | 20 | 60 | 7 × 11 × 9 | 3000 (2020) | 36.8 | 64.7 | 0.848 | 3.98 | 0.848 | 3.98 | 0.696 | 0.67 | 3.2 | |
| 7 | 28 | 16 | 23 | 80 | 9 × 14 × 12 | 3000 | 44.8 54.2 | 66.6 88.8 | 0.786 1.36 | 4.08 6.6 | 0.786 1.36 | 4.08 6.6 | 0.865 1.15 | 0.94 1.16 | 4.5 | |
| 7.5 | 34 | 18 | 26 | 80 | 9 × 14 × 12 | 3000 | 62.3 72.9 | 96.6 127 | 1.38 2.34 | 6.76 10.9 | 1.38 2.34 | 6.76 10.9 | 1.53 2.01 | 1.4 1.84 | 6.2 | |
| 8.9 | 45 | 20.5 | 32 | 105 | 14 × 20 × 17 | 3090 | 82.8 100 | 126 166 | 2.05 3.46 | 10.1 16.3 | 2.05 3.46 | 10.1 16.3 | 2.68 3.53 | 2.54 3.19 | 10.4 | |
| 12.7 | 53 | 23.5 | 38 | 120 | 16 × 23 × 20 | 3060 | 128 161 | 197 259 | 3.96 6.68 | 19.3 31.1 | 3.96 6.68 | 19.3 31.1 | 4.9 6.44 | 4.05 5.23 | 14.5 | |
| 19 | 63 | 31.5 | 53 | 150 | 18 × 26 × 22 | 3000 | 205 253 | 320 408 | 8.26 13.3 | 40.4 62.6 | 8.26 13.3 | 40.4 62.6 | 9.4 11.9 | 8.41 10.7 | 23.7 | |

¹ Length L shown in the table is the length with the contamination protection accessories, code UU or SS.

If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See **A1-521** or **A1-543**)

² D₂ are the pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

Pilot holes are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.

³ The maximum length indicates the standard maximum length of an LM rail. (See **A1-104**.)

⁴ Static permissible moment 1 block: the static permissible moment with one LM block

2 blocks: the static permissible moment with two LM blocks in close contact with each other