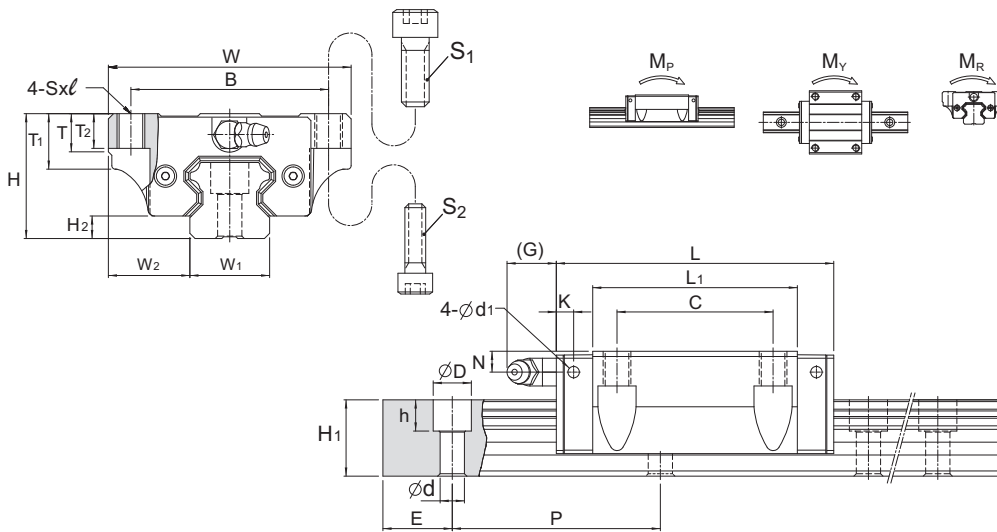


Dimensions of MSA-E / MSA-LE



| Model No. | Bolt Size | |
|-----------|----------------|----------------|
| | S ₁ | S ₂ |
| MSA 15 | M5 | M4 |
| MSA 20 | M6 | M5 |
| MSA 25 | M8 | M6 |
| MSA 30 | M10 | M8 |
| MSA 35 | M10 | M8 |
| MSA 45 | M12 | M10 |
| MSA 55 | M14 | M12 |
| MSA 65 | M16 | M14 |

Unit: mm

| Model No. | External dimension | | | | | Carriage dimension | | | | | | | | | | | Grease Nipple |
|-----------|--------------------|---------|----------|----------------|----------------|--------------------|-----|--------|----------------|------|----------------|----------------|-----|------|------|----------------|---------------|
| | Height H | Width W | Length L | W ₂ | H ₂ | B | C | S × l | L ₁ | T | T ₁ | T ₂ | N | G | K | d ₁ | |
| MSA 15 E | 24 | 47 | 56.3 | 16 | 4.2 | 38 | 30 | M5×7 | 39.3 | 7 | 11 | 7 | 4.3 | 7 | 3.2 | 3.3 | G-M4 |
| MSA 20 E | 30 | 63 | 72.9 | 21.5 | 5 | 53 | 40 | M6×10 | 51.3 | 7 | 10 | 10 | 5 | 12 | 5.8 | 3.3 | G-M6 |
| MSA 20 LE | | | 88.8 | | | | | | 67.2 | | | | | | | | |
| MSA 25 E | 36 | 70 | 81.6 | 23.5 | 6.5 | 57 | 45 | M8×10 | 59 | 11 | 16 | 10 | 6 | 12 | 5.8 | 3.3 | G-M6 |
| MSA 25 LE | | | 100.6 | | | | | | 78 | | | | | | | | |
| MSA 30 E | 42 | 90 | 97 | 31 | 8 | 72 | 52 | M10×10 | 71.4 | 11 | 18 | 10 | 7 | 12 | 6.5 | 3.3 | G-M6 |
| MSA 30 LE | | | 119.2 | | | | | | 93.6 | | | | | | | | |
| MSA 35 E | 48 | 100 | 111.2 | 33 | 9.5 | 82 | 62 | M10×19 | 81 | 13 | 21 | 13 | 8 | 11.5 | 8.6 | 3.3 | G-M6 |
| MSA 35 LE | | | 136.6 | | | | | | 106.4 | | | | | | | | |
| MSA 45 E | 60 | 120 | 137.7 | 37.5 | 10 | 100 | 80 | M12×15 | 102.5 | 13 | 25 | 15 | 10 | 13.5 | 10.6 | 3.3 | G-PT 1/8 |
| MSA 45 LE | | | 169.5 | | | | | | 134.3 | | | | | | | | |
| MSA 55 E | 70 | 140 | 161.5 | 43.5 | 13 | 116 | 95 | M14×17 | 119.5 | 19 | 32 | 17 | 11 | 13.5 | 8.6 | 3.3 | G-PT 1/8 |
| MSA 55 LE | | | 199.5 | | | | | | 157.5 | | | | | | | | |
| MSA 65 E | 90 | 170 | 199 | 53.5 | 15 | 142 | 110 | M16×23 | 149 | 21.5 | 37 | 23 | 19 | 13.5 | 8.6 | 3.3 | G-PT 1/8 |
| MSA 65 LE | | | 253 | | | | | | 203 | | | | | | | | |

| Model No. | Rail dimension | | | | | Basic load rating | | Static moment rating | | | | Weight | | |
|-----------|----------------------|-----------------------|---------|--------|-------------|-------------------|--------------------------|----------------------|---------|---------------------|---------|---------------------|-------------|-----------|
| | Width W ₁ | Height H ₁ | Pitch P | E std. | D × h × d | Dynamic C kN | Static C ₀ kN | M _p kN-m | | M _y kN-m | | M _r kN-m | Carriage kg | Rail kg/m |
| | | | | | | | | Single* | Double* | Single* | Double* | | | |
| MSA 15 E | 15 | 15 | 60 | 20 | 7.5×5.3×4.5 | 11.8 | 18.9 | 0.12 | 0.68 | 0.12 | 0.68 | 0.14 | 0.18 | 1.5 |
| MSA 20 E | 20 | 18 | 60 | 20 | 9.5×8.5×6 | 19.2 | 29.5 | 0.23 | 1.42 | 0.23 | 1.42 | 0.29 | 0.4 | 2.4 |
| MSA 20 LE | | | | | | 23.3 | 39.3 | 0.39 | 2.23 | 0.39 | 2.23 | 0.38 | 0.52 | |
| MSA 25 E | 23 | 22 | 60 | 20 | 11×9×7 | 28.1 | 42.4 | 0.39 | 2.20 | 0.39 | 2.20 | 0.48 | 0.62 | 3.4 |
| MSA 25 LE | | | | | | 34.4 | 56.6 | 0.67 | 3.52 | 0.67 | 3.52 | 0.63 | 0.82 | |
| MSA 30 E | 28 | 26 | 80 | 20 | 14×12×9 | 39.2 | 57.8 | 0.62 | 3.67 | 0.62 | 3.67 | 0.79 | 1.09 | 4.8 |
| MSA 30 LE | | | | | | 47.9 | 77.0 | 1.07 | 5.81 | 1.07 | 5.81 | 1.05 | 1.43 | |
| MSA 35 E | 34 | 29 | 80 | 20 | 14×12×9 | 52.0 | 75.5 | 0.93 | 5.47 | 0.93 | 5.47 | 1.25 | 1.61 | 6.6 |
| MSA 35 LE | | | | | | 63.6 | 100.6 | 1.60 | 8.67 | 1.60 | 8.67 | 1.67 | 2.11 | |
| MSA 45 E | 45 | 38 | 105 | 22.5 | 20×17×14 | 83.8 | 117.9 | 1.81 | 10.67 | 1.81 | 10.67 | 2.57 | 2.98 | 11.5 |
| MSA 45 LE | | | | | | 102.4 | 157.3 | 3.13 | 16.95 | 3.13 | 16.95 | 3.43 | 3.9 | |
| MSA 55 E | 53 | 44 | 120 | 30 | 23×20×16 | 123.6 | 169.8 | 3.13 | 17.57 | 3.13 | 17.57 | 4.50 | 4.17 | 15.5 |
| MSA 55 LE | | | | | | 151.1 | 226.4 | 5.40 | 28.11 | 5.40 | 28.11 | 6.00 | 5.49 | |
| MSA 65 E | 63 | 53 | 150 | 35 | 26×22×18 | 198.8 | 265.3 | 6.11 | 33.71 | 6.11 | 33.71 | 8.36 | 8.73 | 21.9 |
| MSA 65 LE | | | | | | 253.5 | 375.9 | 11.84 | 57.32 | 11.84 | 57.32 | 11.84 | 11.89 | |