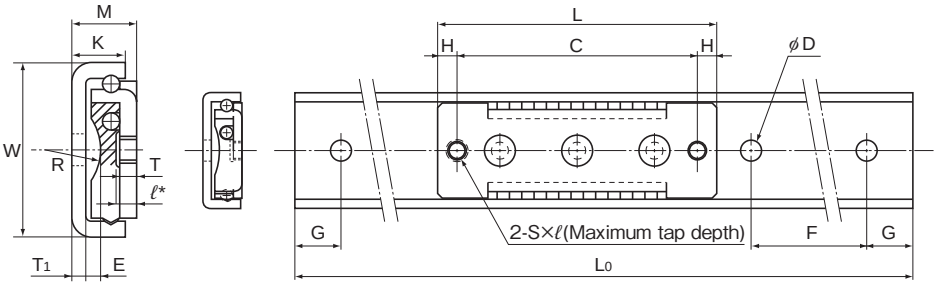
# Model ER




Magnified view

| Model No. | Inner block dimensions | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Width W | Height M ±0.05 | Length L | C | H | E | R | S | Maximum tap depth ℓ* | T |
| ER 513 | 13 | 4.5 | 22 | 7 | 7.5 | 1.1 | 4.2 | M2 | 1.3 | 0.9 |
| ER 616 | 15.6 | 6 | 36 | 29 | 3.5 | 1.7 | 9.2 | M3 | 1.8 | 1.1 |
| ER 920 | 20 | 8.5 | 46 | 40 | 3 | 2.3 | 7.3 | M3 | 2.5 | 1.9 |
| ER 1025 | 25 | 10 | 56 | 48 | 4 | 2.9 | 9.3 | M4 | 2.8 | 2.2 |

**Model number coding**

**2 ER616 C1 +95L**

- 2: Number of inner blocks used on the same rail (no symbol for a single slider)
- ER616: Model number
- C1: Radial clearance symbol (*1)
- +95L: Outer rail length (in mm)

(*1) See A6-5.

Unit: mm

| | Outer rail dimensions | | | | | | Basic load rating | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|
| | K | $T_1$ | D | $L_0$ | F | G | C N | $C_0$ N | Inner block g | Outer rail g/m |
| | 4 | 1.1 | 2.4 | 40, 60, 80 | 20 | 10 | 54.9 | 72.5 | 2.4 | 166 |
| | 5.5 | 1.4 | 2.9 | 45, 70, 95 | 25 | 10 | 71.6 | 125 | 5.6 | 268 |
| | 7.5 | 1.9 | 3.5 | 50, 80, 110 | 30 | 10 | 144 | 201 | 14.4 | 474 |
| | 9 | 2.2 | 4.5 | 60, 100, 140 | 40 | 10 | 215 | 315 | 27 | 677 |

Note1) To fix the outer rail of models ER513 and ER616, use cross-recessed pan head screws for precision equipment (No. 0 screw). To fix the outer rail of models ER920 and ER1025, cross-recessed pan head screws.
Note2) * Set the screw length so that it does not exceed the "Maximum tap depth" ℓ.

| Model No. | Type | Nominal name of screw × pitch |
|---|---|---|
| ER 513 | No. 0 pan-head screw (class 1) | M2×0.4 |
| ER 616 | | M2.6×0.45 |
| ER 920 | Cross-recessed pan head screw | M3×0.5 |
| ER 1025 | | M4×0.7 |

- Japan Camera Industry Association Standard JCIS 10-70 Cross-recessed screw for precision equipment (No. 0 screw)
- Cross-recessed pan head screw JIS B 1111