

Standard Roller Chains / Joint Links / Offset Links

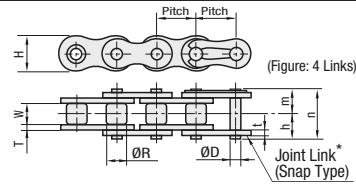
Standard Sprockets

11B, 15B Series

Standard Roller Chains



| Type | Material |
|------|--|
| CHE | Steel |
| CHEM | Lubrication-Free (Steel, Oil Impregnated Bushings) |
| CHES | Stainless Steel |



* The last link is the Joint Link.
* No.11~60 Joint Links are the Snap Type and No. 80 Joint Links are the Cotter Pin Type.

RoHS

Number of Links Configurable

| TYPE | Part Number | | Pitch | h | m | n | T | t | ØD | ØR | H | W | Max. Allowable Tension (kN) | Unit Price | | Cutting Charge (+ Unit Price) |
|------|-------------|---------------------------------------|--------|-------|-------|-------|------|------|-------|-------|-------|-------|-----------------------------|-------------------------|-----------------------|-------------------------------|
| | No | Number of Links (Specify Even Number) | | | | | | | | | | | | Less than one unit link | One Unit Link or More | |
| CHE | 15 | 4 | 4.763 | 3.05 | 3.85 | 6.80 | 0.57 | 0.57 | 1.62 | 2.48 | 4.3 | 2.38 | 0.31 | | | |
| | 25 | 4 | 6.35 | 3.80 | 4.80 | 8.60 | 0.75 | 0.75 | 2.31 | 3.30 | 5.8 | 3.18 | 0.64 | | | |
| | 35 | 4 | 9.525 | 5.70 | 7.10 | 12.80 | 1.25 | 1.25 | 3.59 | 5.08 | 8.8 | 4.78 | 2.16 | | | |
| | 40 | 4 | 12.7 | 8.02 | 9.53 | 17.55 | 1.50 | 1.50 | 3.97 | 7.92 | 11.7 | 7.95 | 3.63 | | | |
| | 50 | 4 | 15.875 | 10.15 | 11.60 | 21.75 | 2.00 | 2.00 | 5.09 | 10.16 | 14.6 | 9.53 | 6.37 | | | |
| | 60 | 4 | 19.05 | 12.65 | 14.15 | 26.80 | 2.40 | 2.40 | 5.96 | 11.91 | 17.5 | 12.70 | 8.83 | | | |
| CHEM | 40 | 4 | 12.7 | 8.55 | 10.05 | 18.60 | 2.00 | 1.50 | 3.97 | 7.92 | 11.7 | 7.95 | 3.63 | | | |
| | 50 | 4 | 15.875 | 10.57 | 12.03 | 22.60 | 2.40 | 2.00 | 5.09 | 10.16 | 14.6 | 9.53 | 6.37 | | | |
| | 60 | 4 | 19.05 | 13.45 | 14.95 | 28.40 | 3.20 | 2.40 | 5.96 | 11.91 | 17.5 | 12.70 | 8.83 | | | |
| CHES | 11 | 4 | 3.747 | 2.28 | 3.17 | 5.44 | 0.38 | 0.38 | 1.57 | 2.29 | 3.5 | 1.83 | 0.05 | | | |
| | 25 | 4 | 6.35 | 3.80 | 4.80 | 8.60 | 0.75 | 0.75 | 2.31 | 3.30 | 5.8 | 3.18 | 0.64 | | | |
| | 35 | 4 | 9.525 | 5.70 | 7.10 | 12.80 | 1.25 | 1.25 | 3.59 | 5.08 | 8.8 | 4.78 | 2.16 | | | |
| | 40 | 4 | 12.7 | 8.02 | 9.53 | 17.55 | 1.50 | 1.50 | 3.97 | 7.92 | 11.7 | 7.95 | 3.63 | | | |
| | 50 | 4 | 15.875 | 10.15 | 11.60 | 21.75 | 2.00 | 2.00 | 5.09 | 10.16 | 14.6 | 9.53 | 6.37 | | | |
| 60 | 4 | 19.05 | 12.65 | 14.15 | 26.80 | 2.40 | 2.40 | 5.96 | 11.91 | 17.5 | 12.70 | 8.83 | | | | |

Number of Links Fixed (per Unit)

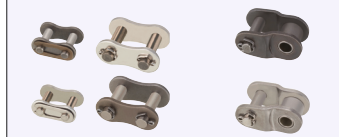
| TYPE | Part Number | | Number of Links per Unit | Unit Price | | |
|---------------------|-------------|-----------------|-----------------------------------|------------|------|------|
| | No | Number of Links | | CHE | CHEM | CHES |
| CHE CHEM CHES | 11 | U | 134 (Circumference Length 502mm) | - | - | - |
| | 15 | U | 210 (Circumference Length 1000mm) | - | - | - |
| | 25 | U | 480 (Circumference Length 3048mm) | - | - | - |
| | 35 | U | 320 (Circumference Length 3048mm) | - | - | - |
| | 40 | U | 240 (Circumference Length 3048mm) | - | - | - |
| | 50 | U | 192 (Circumference Length 3048mm) | - | - | - |
| | 60 | U | 160 (Circumference Length 3048mm) | - | - | - |
| | 80 | U | 120 (Circumference Length 3048mm) | - | - | - |

- Specify links by even numbers. The last link is the Joint Link.
- When the ordered number of links exceeds the given number of links per unit, the qty. of links per unit and the extra qty. of links are packaged separately.
Ex) For CHE40-600, 3 separate packages: 240 links x 2 units +120 links

⚠ CHEM (Lubrication-free Chain) differs from CHE (Steel Chain) in dimensions and may require additional joint links. In such a case, specify JMTC or JMOC.

Ordering Example: Part Number - Number of Links
CHE80 - 200
(Unit Type) CHE80 - U

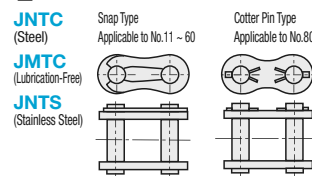
Joint Link



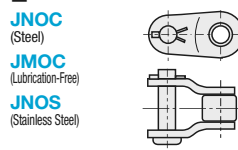
Offset Link



Joint Link



Offset Link



* Use offset links when an odd number of links are required.

| Part Number | Type | Unit Price | | | | |
|---------------|------|------------|------|------|------|------|
| | | JNTC | JMTC | JNTS | JNOC | JMOC |
| 10 ~ 50 Links | | | | | | |
| (Joint Link) | 11 | - | - | - | - | - |
| JNTC | 15 | - | - | - | - | - |
| JMTC | 25 | - | - | - | - | - |
| JNTS | 35 | - | - | - | - | - |
| (Offset Link) | 40 | - | - | - | - | - |
| JNOC | 50 | - | - | - | - | - |
| JMOC | 60 | - | - | - | - | - |
| JNOS | 80 | - | - | - | - | - |

⚠ When ordering 1~ 9 link(s), "Unit Price + Low Quantity Surcharge (Line Item)" is applied.

Correspondence Table b/w chains and joint links

| Chain Part Number | Joint Link Part Number |
|-------------------|------------------------|
| CHE | JNTC, JNOC |
| CHEM | JMTC, JMOC |
| CHES | JNTS, JNOS |

Ordering Example: Part Number JNTC25

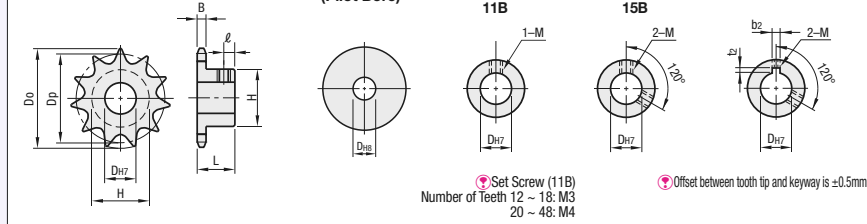
Features: The Pilot Hole Type allowing taps or keyways to be machined freely is added to the product lineup.



| Type | Material |
|--------|------------------|
| SSP11B | EN 1.4305 Equiv. |
| SP15B | EN 1.1181 Equiv. |

⚠ Accessory: Set Screw (Only for shaft bore specifications [P] and [N])

Shaft Bore Specs. [S] (Pilot Bore) Shaft Bore Specs. [P] (Round Bore + Tap) Shaft Bore Specs. [P] (Round Bore + Tap) Shaft Bore Specs. [N] (New JIS Key + Tap)



⚠ Set Screw (11B) Number of Teeth 12 ~ 18: M3 20 ~ 48: M4

⚠ Offset between tooth tip and keyway is ±0.5mm.

| Part Number | Type | Number of Teeth | Shaft Bore Specs. | Shaft Bore Specs. | | | Dp | Do | H | L | B | ℓ | Mass (g) | Unit Price | |
|-------------|------|-----------------|-------------------|-----------------------|------------------------------------|------------------------------------|--------|------|-----|------|-----|---|----------|-----------------|--------------------|
| | | | | S Specification (Dia) | P Specification (D _{H7}) | N Specification (D _{H7}) | | | | | | | | S Specification | P, N Specification |
| SSP11B | S | 12 | - | 5 | 5 | | 14.475 | 16.2 | 9.4 | 10.5 | 1.6 | 4 | 6 | | |
| | | 15 | | 5 | 6 | | 18.02 | 19.9 | 13 | | | | 12 | | |
| | | 16 | | 5 | 6 | 8 | 19.204 | 21.1 | 14 | | | | 14 | | |
| | | 18 | | 6 | 6 | 8 | 21.575 | 23.5 | 16 | | | | 18 | | |
| | | 20 | | 8 | 8 | 10 | 23.949 | 25.9 | | | | | 23 | | |
| | | 24 | | 8 | 8 | 10 | 28.703 | 30.7 | | | | | 26 | | |
| | | 28 | | 8 | 8 | 10 | 33.462 | 35.5 | | | | | 29 | | |
| | | 30 | | 8 | 8 | 10 | 35.842 | 37.9 | | | | | 30 | | |
| | | 34 | | 8 | 8 | 10 | 40.604 | 42.7 | | | | | 38 | | |
| | | 36 | | 8 | 8 | 10 | 42.986 | 45.1 | | | | | 41 | | |
| | | 40 | | 8 | 8 | 10 | 47.751 | 49.8 | | | | | 47 | | |
| | | 48 | | 8 | 8 | 10 | 57.283 | 59.4 | | | | | 61 | | |
| SP15B | S | 11 | - | 5 | 5 | | 16.9 | 19 | 11 | 2 | 1.6 | 7 | 9 | | |
| | | 12 | | 5 | 6 | | 18.4 | 20.5 | 12 | | | | 10 | 4 | 10 |
| | | 13 | | 5 | 6 | 8 | 19.9 | 22 | 14 | | | | 14 | | |
| | | 14 | | 5 | 6 | 8 | 21.4 | 23.5 | 15 | | | | 17 | | |
| | | 15 | | 8 | 8 | | 22.91 | 25 | 17 | | | | 12 | 5 | 22 |
| | | 16 | | 8 | 8 | | 24.41 | 26.5 | 18 | | | | 23 | | |
| | P | 17 | | 10 | 10 | | 25.92 | 28 | 20 | | | | 14 | 6 | 32 |
| | | 18 | | 10 | 10 | | 27.43 | 29.5 | 22 | | | | 14 | 6 | 40 |
| | | 20 | | 10 | 10 | | 30.44 | 32.5 | 24 | | | | 18 | 6 | 49 |
| | | 24 | | 10 | 10 | 10 | 36.49 | 39 | 30 | | | | 16 | 7 | 88 |
| | | 26 | | 12 | 12 | 12 | 39.51 | 42 | 33 | | | | 16 | 7 | 104 |
| | | 28 | | 12 | 12 | 12 | 42.54 | 45 | 37 | | | | 16 | 7 | 131 |
| | N | 30 | | 12 | 12 | | 45.56 | 48 | 39 | | | | 18 | 8 | 147 |
| | | 33 | | 12 | 12 | | 50.1 | 52.5 | 40 | | | | 18 | 8 | 178 |
| | | 35 | | 12 | 12 | | 53.13 | 55.5 | 40 | | | | 18 | 8 | 182 |

⚠ Shaft bore tolerance of S/P5 to S/P6 is H8.

| Shaft Bore Dia. D | Keyway b x t x z | Set Screw M |
|-------------------|------------------|-------------|
| 5, 6 | - | 3 |
| 8 | - | 4 |
| 10 | 3x1.4 | 4 |
| 12 | 4x1.8 | 5 |
| 15 | 5x2.3 | 6 |
| 16 | 5x2.3 | 6 |

Ordering Example: Part Number - Bore Specification - Shaft Bore Dia.
SSP11B15 - P - 6
SP15B20 - S - 10