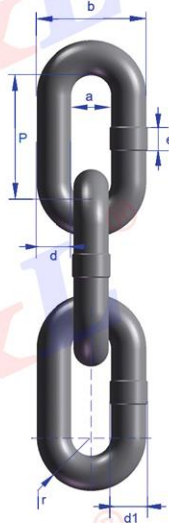


## HIGH TENSION ROUND LINK CHAIN FOR MINING

Standard GB/T12718-2009

- Application area: Mine scraper conveyor, scraper loader, plow and other equipment.
- Quality grade: B, C
- Marks: 1. Quality grade mark, such as "JLB\JLC".  
2. Safety logo "MA", "KA".

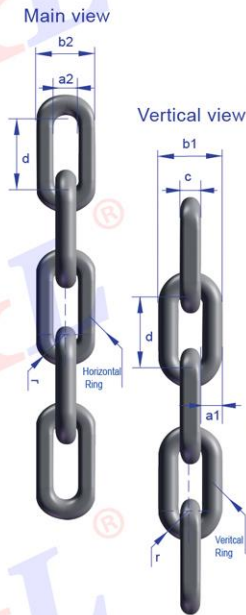


| Diameter of Link d (mm) | Pitch P (t) | Width (mm)            |                          | Radius of Arc r (mm) | Diameter at the Weld (mm) |          | Weight/m (kg/m) | Testing Load (KN) | Min. Breaking Load (KN) | Working Load (KN) | Quality grade |
|-------------------------|-------------|-----------------------|--------------------------|----------------------|---------------------------|----------|-----------------|-------------------|-------------------------|-------------------|---------------|
|                         |             | Minimum Inner Width a | Maximum External Width b |                      | Diameter d1max            | Length e |                 |                   |                         |                   |               |
| 18                      | 64          | 21                    | 60                       | 28                   | 19.5                      | 13       | 6.6             | 260               | 320                     | 200               | B             |
|                         |             |                       |                          |                      |                           |          |                 | 330               | 410                     | 256               | C             |
| 22                      | 86          | 26                    | 74                       | 34                   | 23.5                      | 15.5     | 9.5             | 380               | 480                     | 300               | B             |
|                         |             |                       |                          |                      |                           |          |                 | 490               | 610                     | 381               | C             |
| 24                      | 86          | 28                    | 79                       | 37                   | 26                        | 17       | 11.6            | 460               | 570                     | 356               | B             |
|                         |             |                       |                          |                      |                           |          |                 | 580               | 720                     | 450               | C             |
| 26                      | 92          | 30                    | 86                       | 40                   | 28                        | 18       | 13.7            | 540               | 670                     | 418               | B             |
|                         |             |                       |                          |                      |                           |          |                 | 680               | 850                     | 531               | C             |
| 30                      | 108         | 34                    | 98                       | 46                   | 32.5                      | 21       | 18.0            | 900               | 1130                    | 706               | C             |
|                         |             |                       |                          |                      |                           |          |                 | 1130              | 1410                    | 881               | D             |
| 34                      | 126         | 38                    | 109                      | 52                   | 36.5                      | 23.8     | 22.7            | 1160              | 1450                    | 906               | C             |
|                         |             |                       |                          |                      |                           |          |                 | 1450              | 1810                    | 1130              | D             |
| 38                      | 126         | 42                    | 121                      | 58                   | 41                        | 27       | 30              | 1450              | 1810                    | 1131              | C             |
| 38                      | 137         | 42                    | 121                      | 58                   | 41                        | 27       | 29              | 1450              | 1810                    | 1131              | C             |
| 38                      | 146         | 42                    | 121                      | 58                   | 41                        | 27       | 27.6            | 1450              | 1810                    | 1131              | C             |
| 42                      | 146         | 46                    | 133                      | 64                   | 45                        | 30       | 36              | 1770              | 2220                    | 1388              | C             |
| 42                      | 152         | 46                    | 133                      | 64                   | 45                        | 30       | 35.3            | 1770              | 2220                    | 1388              | C             |
| 48                      | 152         | 62                    | 163                      | 80                   | 51                        | 34.3     | 45.7            | 2320              | 2900                    | 1813              | C             |

## HIGH-TENSILE STEEL COMPACT CHAINS FOR MINING

Standard MT/T929-2004

- Quality grade: C



| Size d×p | Diameter d (mm) | Thickness c (mm) | Pitch P (mm) | Width (mm)                              |  |  |   | Radius of Arc r (mm) | Weight/m (kg/m) | Testing Load (KN) | Min. Breaking Load (KN) | Working Load (KN) |
|----------|-----------------|------------------|--------------|---|--|--|---|----------------------|-----------------|-------------------|-------------------------|-------------------|
|          |                 |                  |              | Minimum Inner Width of Lying Ring a1min | Minimum Inner Width of Standing Ring a2min | Maximum External Width of Lying Ring b1max | Maximum External Width of Standing Ring b2max |                      |                 |                   |                         |                   |
| 26×92    | 26              | 27               | 92           | 30                                      | 30   | 86   | 74  | 40                   | 12.8            | 680               | 850                     | 531               |
| 30×108   | 30              | 33               | 108          | 34                                      | 34   | 98   | 86  | 46                   | 18              | 900               | 1130                    | 706               |
| 34×126   | 34              | 37               | 126          | 38                                      | 38   | 109  | 97  | 52                   | 22.7            | 1160              | 1450                    | 906               |
| 38×126   | 38              | 42               | 126          | 42                                      | 42   | 121  | 110   | 58                   | 29.4            | 1450              | 1810                    | 1131              |
| 38×137   | 38              | 42               | 137          | 42                                      | 42   | 121  | 110   | 58                   | 28.5            | 1450              | 1810                    | 1131              |
| 38×146   | 38              | 42               | 146          | 42                                      | 42   | 121  | 110   | 58                   | 27.6            | 1450              | 1810                    | 1131              |
| 42×146   | 42              | 46               | 146          | 46                                      | 46   | 135  | 115   | 64                   | 34.2            | 1770              | 2220                    | 1388              |
| 42×152   | 42              | 46               | 152          | 46                                      | 46   | 135  | 115   | 64                   | 35              | 1770              | 2220                    | 1388              |
| 48×152   | 48              | 56               | 152          | 62                                      | 53   | 163  | 127   | 76                   | 46.8            | 2320              | 2900                    | 1813              |

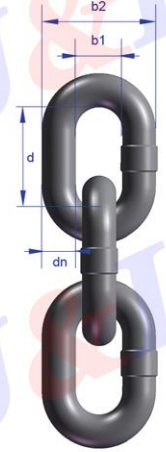
The maximum elongation rate at testing load is 1.6%. The minimum total elongation rate at breaking load is 12%.

## LIFTING CHAIN

Standard GB/T20946-2009

Standard EN818-2

- Application area: lifting
- Standard: GB/T20946, EN818-2
- Strength grade: 8
- Safety factor: 4:1
- Marks: strength grade, for example, "G80"



| Diameter dn | Inside Length P (mm) |                      |                      | Width (mm)             |                           | Working Load Limit (t) | Weight/m (kg/m) | Testing Load (KN) | Min. Breaking Load (KN) | Elongation at Break (%) |
|-------------|----------------------|----------------------|----------------------|------------------------|---------------------------|------------------------|-----------------|-------------------|-------------------------|-------------------------|
|             | size                 | Maximum Inner Length | Minimum Inner Length | Minimum Inner Width b1 | Maximum External Width b2 |                        |                 |                   |                         |                         |
| 24          | 72                   | 74.2                 | 69.8                 | 31.2                   | 88.8                      | 18                     | 12.78           | 452               | 723.8                   | ≥ 20                    |
| 34          | 102                  | 105.1                | 98.9                 | 44.2                   | 125.8                     | 36.3                   | 25.5            | 907               | 1453                    |                         |
| 38          | 114                  | 117.4                | 110.6                | 49.4                   | 140.6                     | 45                     | 32              | 1134              | 1815                    |                         |
| 42          | 126                  | 129.8                | 122.2                | 54.6                   | 155.4                     | 55                     | 38.6            | 1385              | 2217                    |                         |
| 48          | 144                  | 148.3                | 139.7                | 62.4                   | 177.6                     | 72.4                   | 50.66           | 1809              | 2895                    |                         |
| 52          | 156                  | 160.7                | 151.3                | 67.6                   | 192.4                     | 85.0                   | 59.6            | 2123              | 3398                    |                         |

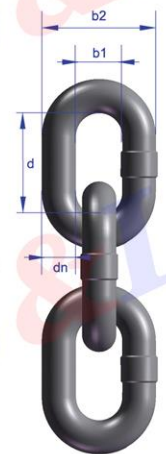
We can make different quality grade according to customers' requirements.

Any surface treatment will reduce the mechanical properties of the chain to varying degree, so we will not have surface treatment unless the customer requests.

## LIFTING CHAIN

Standard EN818-2

- Application area: lifting
- Standard: EN818-2
- Strength grade: 8
- Safety factor: 4:1



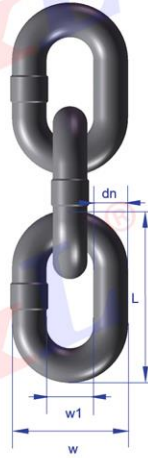
| Diameter dn | Inside Length P (mm) |                      |                      | Width (mm)             |                           | Working Load Limit (t) | Weight/m (kg/m) | Testing Load (KN) | Min. Breaking Load (KN) | Elongation at Break (%) |
|-------------|----------------------|----------------------|----------------------|------------------------|---------------------------|------------------------|-----------------|-------------------|-------------------------|-------------------------|
|             | size                 | Maximum Inner Length | Minimum Inner Length | Minimum Inner Width b1 | Maximum External Width b2 |                        |                 |                   |                         |                         |
| 8           | 24                   | 24.7                 | 23.3                 | 10.4                   | 29.6                      | 2                      | 1.38            | 50.3              | 80.4                    | ≥ 20                    |
| 10          | 30                   | 30.9                 | 29.1                 | 13                     | 37                        | 3.15                   | 2.2             | 78.5              | 126                     |                         |
| 13          | 39                   | 40.2                 | 37.8                 | 16.9                   | 48.1                      | 5.3                    | 3.8             | 133               | 212                     |                         |
| 16          | 48                   | 49.4                 | 46.6                 | 20.8                   | 59.2                      | 8                      | 5.63            | 201               | 322                     |                         |
| 18          | 54                   | 55.6                 | 52.4                 | 23.4                   | 66.6                      | 10                     | 7.3             | 254               | 407                     |                         |
| 19          | 57                   | 58.7                 | 55.3                 | 24.7                   | 70.3                      | 11.2                   | 8.1             | 283               | 454                     |                         |
| 20          | 60                   | 61.8                 | 58.2                 | 26                     | 74                        | 12.5                   | 8.6             | 314               | 503                     |                         |
| 22          | 66                   | 68.0                 | 64.0                 | 28.6                   | 81.4                      | 15                     | 10.2            | 380               | 608                     |                         |
| 23          | 69                   | 71.1                 | 66.9                 | 29.9                   | 85.1                      | 16                     | 12              | 415               | 665                     |                         |
| 25          | 75                   | 77.3                 | 72.8                 | 32.5                   | 92.5                      | 20                     | 14.1            | 491               | 785                     |                         |
| 26          | 78                   | 80.3                 | 75.7                 | 33.8                   | 96.2                      | 21.2                   | 15.2            | 531               | 849                     |                         |
| 28          | 84                   | 86.5                 | 81.5                 | 36.4                   | 104                       | 25                     | 17.6            | 706               | 985                     |                         |
| 32          | 96                   | 98.9                 | 93.1                 | 41.6                   | 118                       | 31.5                   | 23              | 804               | 1290                    |                         |
| 36          | 108                  | 111                  | 104.8                | 46.8                   | 133                       | 40                     | 29              | 1020              | 1630                    |                         |
| 40          | 120                  | 124                  | 116.4                | 52                     | 148                       | 50                     | 36              | 1260              | 2010                    |                         |
| 45          | 135                  | 139                  | 131.0                | 58.5                   | 167                       | 63                     | 45.5            | 1590              | 2540                    |                         |

Any surface treatment will reduce the mechanical properties of the chain to varying degree, so we will not have surface treatment unless the customer requests.

## LIFTING CHAIN

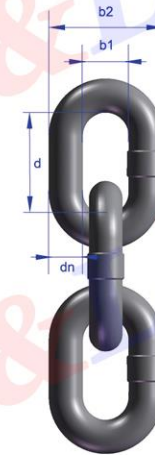
Standard GB/T24816-2009

- Application area: lifting
- Standard: GB/T24816-2009
- Strength grade: 8
- Safety factor: 4:1



| Diameter dn | Out length L ( mm ) |     | Width of un-weld ( mm ) |                          | Working Load Limit ( t ) | Weight/M ( kg/m ) | Proof testing load ( kg/m ) | Manufacturing Verification ( KN ) | Min. Breaking Load ( KN ) | Elongation at Break ( % ) |
|-------------|---------------------|-----|-------------------------|--------------------------|--------------------------|-------------------|-----------------------------|-----------------------------------|---------------------------|---------------------------|
|             | max                 | min | Minimum Inner Width W1  | Maximum External Width W |                          |                   |                             |                                   |                           |                           |
| 6           | 30                  | 28  | 7.5                     | 21                       | 1.1                      | 0.8               | 22.7                        | 27                                | 45.4                      | ≥ 17                      |
| 7           | 35                  | 33  | 8.8                     | 25                       | 1.5                      | 1.1               | 30.8                        | 37                                | 61.6                      |                           |
| 8           | 40                  | 38  | 10                      | 28                       | 2                        | 1.38              | 40.3                        | 48                                | 80.6                      |                           |
| 9           | 45                  | 43  | 11.3                    | 32                       | 2.5                      | 1.82              | 51                          | 61                                | 102                       |                           |
| 10          | 50                  | 48  | 12.5                    | 35                       | 3.2                      | 2.2               | 63                          | 76                                | 126                       |                           |
| 12          | 60                  | 57  | 15                      | 42                       | 4.6                      | 3.1               | 91                          | 109                               | 182                       |                           |
| 14          | 70                  | 66  | 18                      | 49                       | 6.3                      | 4.13              | 124                         | 149                               | 248                       |                           |
| 16          | 80                  | 76  | 20                      | 56                       | 8                        | 5.63              | 161                         | 193                               | 322                       |                           |
| 18          | 90                  | 85  | 23                      | 63                       | 10                       | 6.85              | 204                         | 245                               | 408                       |                           |
| 20          | 100                 | 95  | 25                      | 70                       | 12.5                     | 8.6               | 252                         | 302                               | 504                       |                           |
| 22          | 110                 | 104 | 28                      | 77                       | 15.5                     | 10.2              | 305                         | 366                               | 610                       |                           |
| 23          | 115                 | 109 | 29                      | 81                       | 16.9                     | 12                | 333                         | 400                               | 666                       |                           |
| 25          | 125                 | 119 | 32                      | 88                       | 20                       | 14.1              | 393                         | 472                               | 786                       |                           |
| 26          | 130                 | 123 | 33                      | 91                       | 21.6                     | 14.87             | 425                         | 510                               | 850                       |                           |
| 28          | 140                 | 133 | 35                      | 98                       | 25                       | 17.6              | 493                         | 592                               | 986                       |                           |
| 30          | 150                 | 142 | 38                      | 105                      | 28.8                     | 19.6              | 566                         | 679                               | 1132                      |                           |
| 32          | 160                 | 152 | 40                      | 112                      | 32                       | 23                | 644                         | 773                               | 1288                      |                           |
| 36          | 180                 | 171 | 45                      | 126                      | 40                       | 29                | 815                         | 978                               | 1630                      |                           |
| 40          | 200                 | 190 | 50                      | 140                      | 50                       | 36                | 1006                        | 1207                              | 2012                      |                           |
| 45          | 225                 | 214 | 57                      | 158                      | 63                       | 45.5              | 1273                        | 1528                              | 2546                      |                           |

Any surface treatment will reduce the mechanical properties of the chain to varying degree, so we will not have surface treatment unless the customer requests.



## ROUND LINK FISHING CHAIN

Standard GB/T12718-2009

Standard GB/T24816

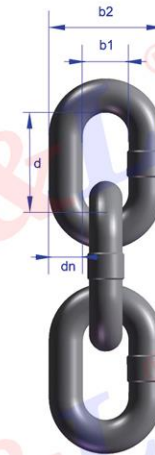
| Kinds of Chain   | Size d×p | Diameter dn ( mm ) | Pitch p ( mm ) | Width ( mm )           |                           | Weight/m ( kg/m ) | Testing Load ( KN ) | Min. Breaking Load ( KN ) |
|------------------|----------|--------------------|----------------|------------------------|---------------------------|-------------------|---------------------|---------------------------|
|                  |          |                    |                | Minimum Inner Width b1 | Maximum External Width b2 |                   |                     |                           |
| Short-Link Chain | 10×30    | 10                 | 30             | 13                     | 36                        | 2.2               | 78.5                | 126                       |
|                  | 13×39    | 13                 | 39             | 16.9                   | 47.1                      | 3.8               | 133                 | 214                       |
|                  | 16×48    | 16                 | 48             | 20.8                   | 57.4                      | 5.63              | 201                 | 322                       |
|                  | 19×57    | 19                 | 57             | 27.8                   | 68.8                      | 8.1               | 283                 | 454                       |
|                  | 20×60    | 20                 | 60             | 29                     | 72                        | 8.6               | 314                 | 503                       |
| Mid-Link Chain   | 13×52    | 13                 | 52             | 19.5                   | 48.5                      | 3.31              | 128                 | 214                       |
|                  | 16×64    | 16                 | 64             | 24                     | 59                        | 8.0               | 192                 | 322                       |
|                  | 22×86    | 22                 | 86             | 26                     | 74                        | 9.5               | 490                 | 610                       |
|                  | 26×92    | 26                 | 92             | 30                     | 86                        | 13.7              | 680                 | 850                       |

Any surface treatment will reduce the mechanical properties of the chain to varying degree, so we will not have surface treatment unless the customer requests.

## ROUND LINK LASHING CHAIN

Standard GB/T12718-2009

Standard GB/T24816



| Diameter d ( mm ) | Pitch p ( mm ) | Width ( mm )          |                          | Radius of Arc r ( mm ) | Diameter at The Weld ( mm ) |          | Weight/m ( kg/m ) | Testing Load ( KN ) | Min. Breaking Load ( KN ) |
|-------------------|----------------|-----------------------|--------------------------|------------------------|-----------------------------|----------|-------------------|---------------------|---------------------------|
|                   |                | Minimum Inner Width a | Maximum External Width b |                        | Diameter d1                 | Length e |                   |                     |                           |
| 8                 | 24             | 10.4                  | 29.6                     | --                     | 8.6                         | 6.4      | 1.4               | 50.3                | 80.4                      |
| 10                | 30             | 13                    | 37                       | --                     | 10.8                        | 8        | 2.2               | 78.5                | 126                       |
| 13                | 39             | 16.9                  | 48.1                     | --                     | 14.0                        | 10.4     | 3.8               | 133                 | 212                       |
| 16                | 48             | 20.8                  | 59.2                     | --                     | 17.3                        | 12.8     | 5.7               | 201                 | 322                       |
| 18                | 64             | 21                    | 60                       | 28                     | 19.5                        | 13       | 6.6               | 330                 | 410                       |
| 22                | 86             | 26                    | 74                       | 34                     | 23.5                        | 15.5     | 9.5               | 490                 | 610                       |
| 24                | 86             | 28                    | 79                       | 37                     | 26                          | 17       | 11.6              | 580                 | 720                       |
| 26                | 92             | 30                    | 86                       | 40                     | 28                          | 18       | 13.7              | 680                 | 850                       |
| 30                | 108            | 34                    | 98                       | 46                     | 32.5                        | 21       | 18.0              | 900                 | 1130                      |
| 34                | 126            | 38                    | 109                      | 52                     | 36.5                        | 23.8     | 22.7              | 1160                | 1450                      |
| 38                | 137            | 42                    | 121                      | 58                     | 41                          | 27       | 29                | 1450                | 1810                      |
| 42                | 152            | 46                    | 133                      | 64                     | 45                          | 30       | 35.3              | 1770                | 2220                      |
| 48                | 152            | 62                    | 163                      | 80                     | 51                          | 34.3     | 45.7              | 2320                | 2900                      |

Any surface treatment will reduce the mechanical properties of the chain to varying degree, so we will not have surface treatment unless the customer requests.

# S ( 6 ) CHAIN SLING

Standard GB/T20652

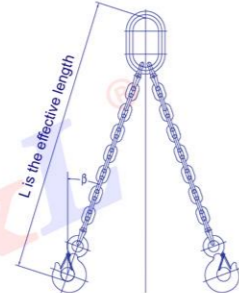
Safety factor:4:1



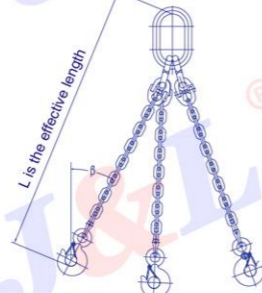
The code of leg length difference: leg equi-long chain sling use "D", leg inequality use "B".  
 Dia., mm  
 Arabic numerals 1, 2, 3, ... represent amount of leg, omit when it's single leg.  
 Connect type: "H" for welding chain sling, "J" for mechanical joint chain sling.  
 Code for chain sling  
 Special chain sling code: K, H, and P represent binding chain sling, annular chain sling and steel model chain sling, "L" for normal chain sling and can be omitted.



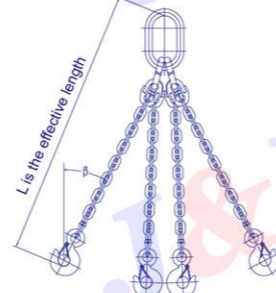
Single Leg



Two Legs



Three Legs



Four Legs

| Specification | Angle β | Load conversion factor | Single Leg ( t ) |          | Two Legs ( t ) |          | Three Legs ( t ) |          | Four Legs ( t ) |          | Selected Hook | Weight/meter ( kg/m ) |
|---------------|---------|------------------------|------------------|----------|----------------|----------|------------------|----------|-----------------|----------|---------------|-----------------------|
|               |         |                        | 0°               | > 45-60° | 0-45°          | > 45-60° | 0-45°            | > 45-60° | 0-45°           | > 45-60° |               |                       |
| Φ6            | 1       | 1                      | 1.4              | 1        | 2.1            | 1.5      | 2.1              | 1.5      | S-1t ( US )     | 0.79     |               |                       |
| Φ8            | 1.5     | 1.5                    | 2.1              | 1.5      | 3.1            | 2.2      | 3.1              | 2.2      | S-2t ( US )     | 1.38     |               |                       |
| Φ10           | 2.5     | 2.5                    | 3.5              | 2.5      | 5.2            | 3.7      | 5.2              | 3.7      | S-3t ( US )     | 2.2      |               |                       |
| Φ12           | 3.5     | 3.5                    | 4.9              | 3.5      | 7.3            | 5.2      | 7.3              | 5.2      | S-5t ( US )     | 3.1      |               |                       |
| Φ14           | 5       | 5                      | 7                | 5        | 10.5           | 7.5      | 10.5             | 7.5      | S-5t ( US )     | 4.13     |               |                       |
| Φ16           | 6       | 6                      | 8.4              | 6        | 12.6           | 9        | 12.6             | 9        | S-7.5t ( US )   | 5.63     |               |                       |
| Φ18           | 8       | 8                      | 11.2             | 8        | 16.8           | 12       | 16.8             | 12       | S-10t ( US )    | 6.85     |               |                       |
| Φ20           | 10      | 10                     | 14               | 10       | 21             | 15       | 21               | 15       | S-10t ( US )    | 8.6      |               |                       |
| Φ22           | 12      | 12                     | 16.8             | 12       | 25.2           | 18       | 25.2             | 18       | 15t eye         | 10.2     |               |                       |
| Φ24           | 14      | 14                     | 19.6             | 14       | 29.4           | 21       | 29.4             | 21       | 15t eye         | 12.78    |               |                       |
| Φ26           | 17      | 17                     | 23.8             | 17       | 35.7           | 25.5     | 35.7             | 25.5     | 37t eye         | 14.87    |               |                       |
| Φ30           | 22      | 22                     | 30.8             | 22       | 46.2           | 33       | 46.2             | 33       | 37t eye         | 19.6     |               |                       |
| Φ34           | 29      | 29                     | 40.6             | 29       | 60.9           | 43.5     | 60.9             | 43.5     | 37t eye         | 25.5     |               |                       |

Angle β ≤ 45° when the chain sling was used. If unspecified it defaults to the value. Angle β is the angle between chain segments and the plumb line.

The above working load limited (WLL) coefficient and corresponding WLL are used with symmetrical load. When the load is unsymmetrical, it should be as follows:

| Unsymmetrical loading coefficient | 1 | 0.8 | 1.5 | 1 | 1.5 | 1 |
|-----------------------------------|---|-----|-----|---|-----|---|
| --                                | 1 | 0.8 | 1.5 | 1 | 1.5 | 1 |

Master link and master link assembly follow factory standard, the WLL is equal or greater than WLL of whole sling.

# T ( 8 ) CHAIN SLING

Standard Q/JL018

Standard GB/T25853

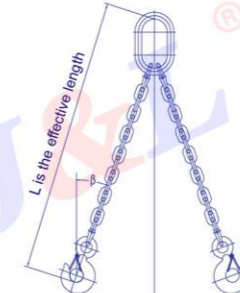
Safety factor:4:1



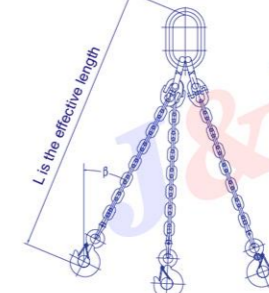
The code of leg length difference: leg equi-long chain sling use "D", leg inequality use "B".  
 Dia., mm  
 Arabic numerals 1, 2, 3, ... represent amount of leg, omit when it's single leg.  
 Connect type: "H" for welding chain sling, "J" for mechanical joint chain sling.  
 Code for chain sling  
 Special chain sling code: K, H, and P represent binding chain sling, annular chain sling and steel model chain sling, "L" for normal chain sling and can be omitted.



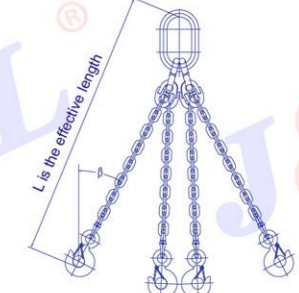
Single Leg



Two Legs



Three Legs



Four Legs

| Specification | Angle β | Load conversion factor | Single Leg |          | Two Legs ( t ) |          | Three Legs ( t ) |          | Four Legs ( t ) |          | Selected Hook | Weight/meter ( kg/m ) |
|---------------|---------|------------------------|------------|----------|----------------|----------|------------------|----------|-----------------|----------|---------------|-----------------------|
|               |         |                        | 0°         | > 45-60° | 0-45°          | > 45-60° | 0-45°            | > 45-60° | 0-45°           | > 45-60° |               |                       |
| Φ6            | 1.12    | 1.12                   | 1.57       | 1.12     | 2.35           | 1.68     | 2.35             | 1.68     | T-15t ( US )    | 0.79     |               |                       |
| Φ8            | 2       | 2                      | 2.8        | 2        | 4.2            | 3        | 4.2              | 3        | T-2t ( US )     | 1.38     |               |                       |
| Φ10           | 3.15    | 3.15                   | 4.41       | 3.15     | 6.61           | 4.72     | 6.61             | 4.72     | T-5t ( US )     | 2.2      |               |                       |
| Φ13           | 5.3     | 5.3                    | 7.42       | 5.3      | 11.13          | 7.95     | 11.13            | 7.95     | T-7t ( US )     | 3.8      |               |                       |
| Φ16           | 7.8     | 7.8                    | 10.92      | 7.8      | 16.38          | 11.7     | 16.38            | 11.7     | T-11t ( US )    | 5.63     |               |                       |
| Φ20           | 11.2    | 11.2                   | 15.68      | 11.2     | 23.52          | 16.8     | 23.52            | 16.8     | T-15t ( US )    | 8.6      |               |                       |
| Φ22           | 15      | 15                     | 21         | 15       | 31.5           | 22.5     | 31.5             | 22.5     | T-15t ( US )    | 10.2     |               |                       |
| Φ26           | 21.2    | 21.2                   | 29.6       | 21.2     | 44.5           | 31.8     | 44.5             | 31.8     | T-22t ( US )    | 12.78    |               |                       |
| Φ32           | 31.5    | 31.5                   | 44.1       | 31.5     | 66.15          | 47.25    | 66.15            | 47.25    | 37t eye         | 22.29    |               |                       |

Angle β ≤ 45° when the chain sling was used. If unspecified it defaults to the value. Angle β is the angle between chain segments and the plumb line.

The above working load limited (WLL) coefficient and corresponding WLL are used with symmetrical load. When the load is unsymmetrical, it should be as follows:

| Unsymmetrical loading coefficient | 1 | 0.8 | 1.5 | 1 | 1.5 | 1 |
|-----------------------------------|---|-----|-----|---|-----|---|
| --                                | 1 | 0.8 | 1.5 | 1 | 1.5 | 1 |

Master link and master link assembly follow EN standard, the WLL is equal or greater than WLL of whole sling.

# ENDLESS CHAIN SLING

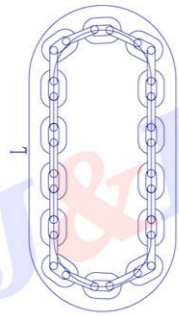
Standard Q/JL018

Standard GB/T25853

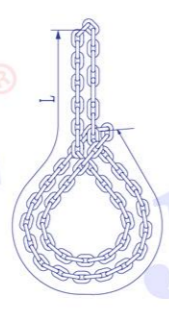
Safety factor:4:1



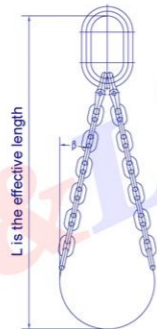
The code of leg length difference: leg equi long chain sling use "D", leg inequality use "B".  
 Dia., mm  
 Arabic numerals 1, 2, 3, ... represent amount of leg, omit when it's single leg.  
 Connect type: "H" for welding chain sling, "J" for mechanical joint chain sling.  
 Code for chain sling  
 Special chain sling code: K, H, and P represent binding chain sling, annular chain sling and steel model chain sling, "L" for normal chain sling and can be omitted.



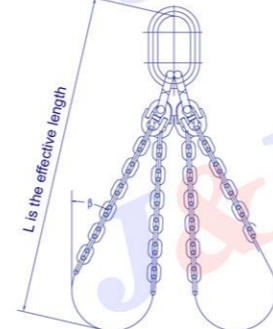
Endless



Endless lashing



Single leg endless



Two legs endless

| Specification | Angle β | Endless ( t ) |       | Single leg endless ( t ) |          | Two legs endless ( t ) |          | Weight/m ( kg/m ) |
|---------------|---------|---------------|-------|--------------------------|----------|------------------------|----------|-------------------|
|               |         | 0°            |       | 0-45°                    | > 45-60° | 0-45°                  | > 45-60° |                   |
|               |         | 1.6           | 1.6   | 1.12                     | 0.8      | 1.7                    | 1.2      |                   |
| Φ6            |         | 1.79          | 1.79  | 1.25                     | 0.90     | 1.90                   | 1.34     | 0.79              |
| Φ8            |         | 3.2           | 3.2   | 2.24                     | 1.60     | 3.40                   | 2.40     | 1.38              |
| Φ10           |         | 5.04          | 5.04  | 3.53                     | 2.52     | 5.36                   | 3.78     | 2.2               |
| Φ12           |         | 7.36          | 7.36  | 5.15                     | 3.68     | 7.82                   | 5.52     | 3.1               |
| Φ13           |         | 8.48          | 8.48  | 5.94                     | 4.24     | 9.01                   | 6.36     | 3.8               |
| Φ14           |         | 10.08         | 10.08 | 7.06                     | 5.04     | 10.71                  | 7.56     | 4.13              |
| Φ16           |         | 12.8          | 12.8  | 8.96                     | 6.40     | 13.60                  | 9.60     | 5.63              |
| Φ18           |         | 16            | 16    | 11.20                    | 8.00     | 13.60                  | 12.00    | 6.85              |
| Φ20           |         | 17.92         | 17.92 | 12.54                    | 8.96     | 19.04                  | 13.44    | 8.6               |
| Φ22           |         | 24            | 24    | 16.80                    | 12.00    | 25.50                  | 18.00    | 10.2              |
| Φ26           |         | 33.92         | 33.92 | 23.74                    | 16.96    | 36.04                  | 25.44    | 12.78             |
| Φ32           |         | 50.4          | 50.4  | 35.28                    | 25.20    | 53.55                  | 37.80    | 22.29             |
| Φ34           |         | 57.6          | 58.6  | 40.32                    | 28.80    | 61.20                  | 43.20    | 25.5              |
| Φ38           |         | 72            | 72    | --                       | --       | --                     | --       | 32                |
| Φ42           |         | 88            | 88    | --                       | --       | --                     | --       | 38.6              |
| Φ48           |         | 116           | 116   | --                       | --       | --                     | --       | 50.66             |

Master link and master link assembly follow factory standard, the WLL is equal or greater than WLL of whole sling.

# STEEL PLATE LIFTING CHAIN SLING

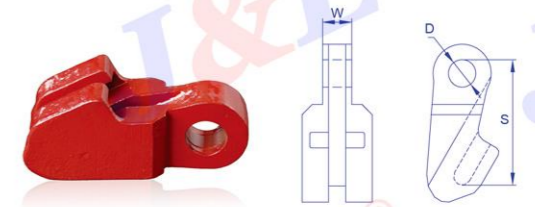
Standard Q/JL018

- Safety factor:4:1
- The length of pressed wire rope sling=50 times of the dia of wire rope.
- The length of spliced wire rope sling=70 times of the dia of wire rope.
- Steel wire rope sling and chain slings are connected with the master link, chains and master link are connected with the connecting link or chain link.
- The working load limit in the table means the working load limit of single set of steel plate lifting chain sling, and steel plate lifting chain sling is used in pairs.
- 1、Used with balanced beam, WLL=twice of the working load limit of single set.
- 2、Used in the same line of shackle bar, WLL=1.4 times of the working load limit of single set.
- All the steel wire rope sling use galvanized wire rope without oil.



| Art.No. | Chain Dia. ( mm ) | Diameter Of The Steel Wire Rope ( mm ) | Working Load Limited ( t ) |       |                          |       |
|---------|-------------------|--|----------------------------|-------|--------------------------|-------|
|         |                   |  | Pressed Wire Rope Slings   |       | Spliced Wire Rope Slings |       |
|         |                   |  | FC                         | IWR   | FC                       | IWR   |
| LSP6    | 6                 | 10                                     | 1.24                       | 1.344 | 1                        | 1.12  |
| LSP8    | 8                 | 13                                     | 2.1                        | 2.24  | 1.68                     | 1.96  |
| LSP10   | 10                | 16                                     | 3.22                       | 3.36  | 2.66                     | 2.8   |
| LSP12   | 12                | 20                                     | 4.9                        | 5.32  | 4.2                      | 4.48  |
| LSP14   | 14                | 24                                     | 7.14                       | 7.7   | 5.88                     | 6.44  |
| LSP16   | 16                | 26                                     | 8.4                        | 9.1   | 7                        | 7.56  |
| LSP18   | 18                | 28                                     | 9.66                       | 10.5  | 8.12                     | 8.82  |
| LSP20   | 20                | 32                                     | 12.7                       | 13.74 | 10.6                     | 11.4  |
| LSP22   | 22                | 36                                     | 16                         | 17.3  | 13.4                     | 14.5  |
| LSP24   | 24                | 40                                     | 19.8                       | 21.4  | 16.5                     | 17.9  |
| LSP26   | 26                | 44                                     | 24                         | 25.9  | 20                       | 21.7  |
| LSP30   | 30                | 48                                     | 28.4                       | 30.5  | 23.8                     | 25.6  |
| LSP34   | 34                | 56                                     | 38.7                       | 42.1  | 32.3                     | 35.1  |
| LSP38   | 38                | 60                                     | 44.7                       | 48.16 | 37.24                    | 40.2  |
| LSP42   | 42                | 70                                     | 51.8                       | 61.2  | 43.12                    | 51.1  |
| LSP45   | 45                | 76                                     | 61                         | 71.1  | 50.82                    | 60.2  |
| LSP48   | 48                | 80                                     | 67.6                       | 79.94 | 56.28                    | 66.64 |

# CLUTCH FOR CHAIN



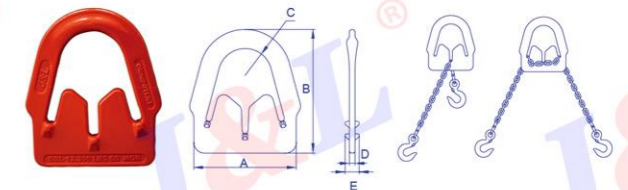
| Art.No. | Chain Applicable Diameter ( mm ) | W ( mm ) | D ( mm ) | S ( mm ) | Self weight ( kg ) |
|---------|----------------------------------|----------|----------|----------|--------------------|
| L TJ-6  | Φ6                               | 14       | 15       | 61.5     | 0.33               |
| L TJ-8  | Φ8                               | 17       | 16       | 73       | 0.59               |
| L TJ-10 | Φ10                              | 22       | 23       | 92.5     | 1.06               |
| L TJ-12 | Φ12                              | 25       | 25       | 109.5    | 1.63               |
| L TJ-14 | Φ14                              | 35       | 28       | 152      | 2.58               |
| L TJ-16 | Φ16                              | 35       | 30       | 134      | 3.72               |
| L TJ-18 | Φ18                              | 38       | 32       | 146      | 4.53               |
| L TJ-20 | Φ20                              | 46       | 38       | 200.5    | 10.9               |
| L TJ-22 | Φ22                              | 50       | 40       | 211.5    | 14.73              |
| L TJ-24 | Φ24                              | 57       | 45       | 227      | 16.08              |
| L TJ-26 | Φ26                              | 60       | 55       | 250.5    | 23.16              |
| L TJ-30 | Φ30                              | 69       | 56       | 285      | 34.45              |
| L TJ-32 | Φ32                              | 75       | 62       | 339      | 47.5               |
| L TJ-34 | Φ34                              | 80       | 65       | 342.5    | 51.3               |

# ADJUST LINK

- Exclusive patented technology production
- Adopted high-quality alloy steel and throughout swaged forging process.
- Connect with chain, simply and firmly.

Patent Number: ZL 2007 3 0157636.8

Patent Number: ZL 2007 2 0103909.5



| Chains Applicable Diameter ( mm ) | Working Load Limit 90° ( kN ) | Working Load Limit 60° ( kN ) | A ( mm ) | B ( mm ) | C ( mm ) | D ( mm ) | E ( mm ) | Self weight ( kg ) |
|-----------------------------------|-------------------------------|-------------------------------|----------|----------|----------|----------|----------|--------------------|
| 6                                 | 9.31                          | 15.97                         | 145      | 175      | 38       | 8        | 20       | 1                  |
| 8                                 | 15.58                         | 27.05                         | 155      | 193      | 40       | 11       | 28       | 1.5                |
| 10                                | 31.56                         | 54.68                         | 160      | 207      | 42.5     | 13       | 33.5     | 2.12               |