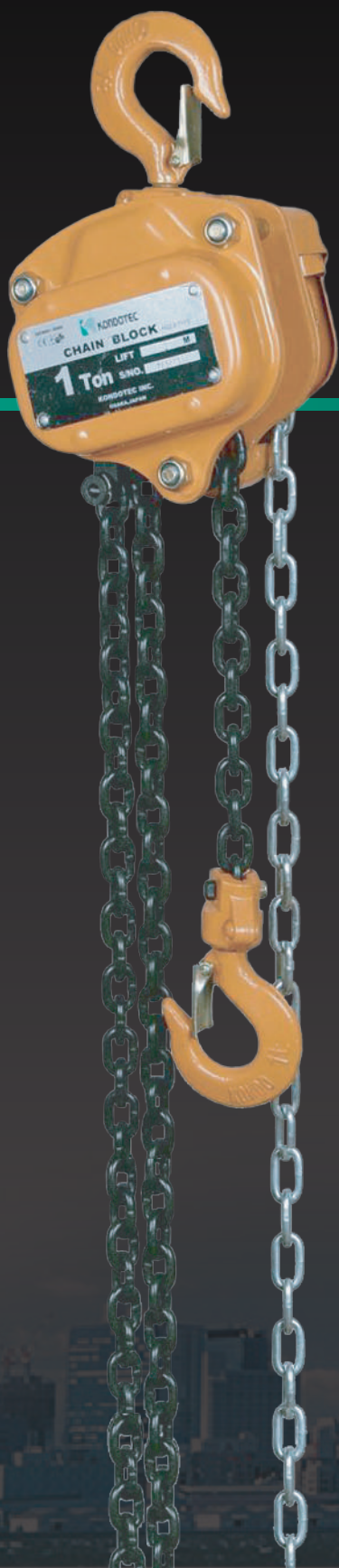
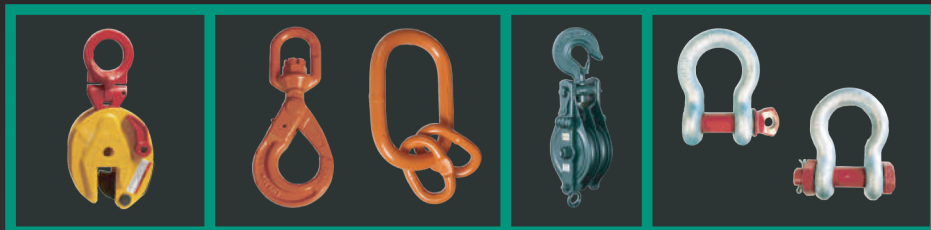




**RIGGING HARDWARE LIFTING EQUIPMENT**

# CATALOG





**KONDOTEC**

**RIGGING HARDWARE  
CATALOG**



## KONDOTEC INTERNATIONAL (THAILAND) CO., LTD (Founded 2012)

1-7 Zuellig House Unit 302 3rd Floor  
 Silom Road Silom Bangrak Bangkok  
 Thailand 10500  
 Tel : +66(0)2 236 5070-71  
 Fax : +66(0)2 236 5073

Tax ID : 0105555163079  
 www.kondotec-inter.com



THAILAND

## KONDOTEC INC - HEADQUARTERS (Founded 1947)



JAPAN

Capital (Head Quarter) : 2,666.5 million yen  
 (Around 888 million THB)  
 Capital (Thailand) : 102 million yen  
 Japan Representative : Katsuhiko Kondo, President  
 Thailand Representative : Chikahiro Mochizuki, President  
 Employee : 623 (as of March 2018)  
 Suppliers : Ourself Factory and Around  
 5,000 companies both at home  
 and abroad  
 Customers : Dealers of Civil  
 Construction material  
 Do-it-yourself stores (DIY)  
 Fabricator

## PRODUCT

### Environmental / Green Belt / Industrial Waste Materials

- Oil Absorbent
- Container Bag, Jumbo Bag
- Grating

### Wire Rope / Lifting Equipments

- Wire Rope Clip
- Belt Sling

### Hook / Ring / Shackle / Swivel Scaffolding Material

- Form Tie (Seperator)
- Scaffolding Chain
- Scaffolding Clamp
- Bonjoint

### Fabricate Material Construction Material

### Turnbuckles / Bolt / Fastener

- Architecure Turnbuckle
- High Tension Bolt & Nut(F10T)
- Eye Bolt & Eye Nut
- Anchor Bolt
- Railway Hook Anchor

### Transport - Cargo Equipment / Chain / Shipping

- Chain Hoist / Lever Hoist / Snatch Hoist
- Chain Sling, Chain
- Winch
- Power Lashing
- Load Binder
- Strecth Wrap Film
- Toe Lift Jack & Roller

### Tools / Stainless Steel Product

Hardware for Wooden House/ Building Material

# CONTENTS



Chain Block  
**1**



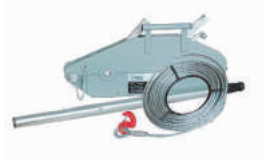
Lever Block  
**2**



Manual Trolley  
**3 - 4**



Beam Clamp  
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Wire Rope Pulling Hoist  
**6**



Snatch Block  
**7**



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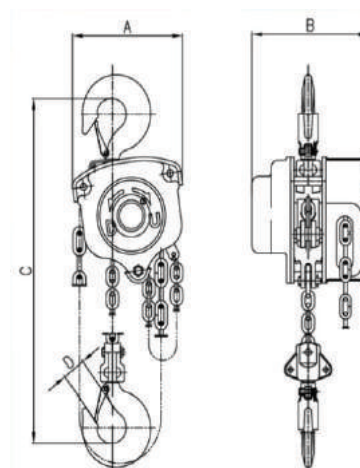
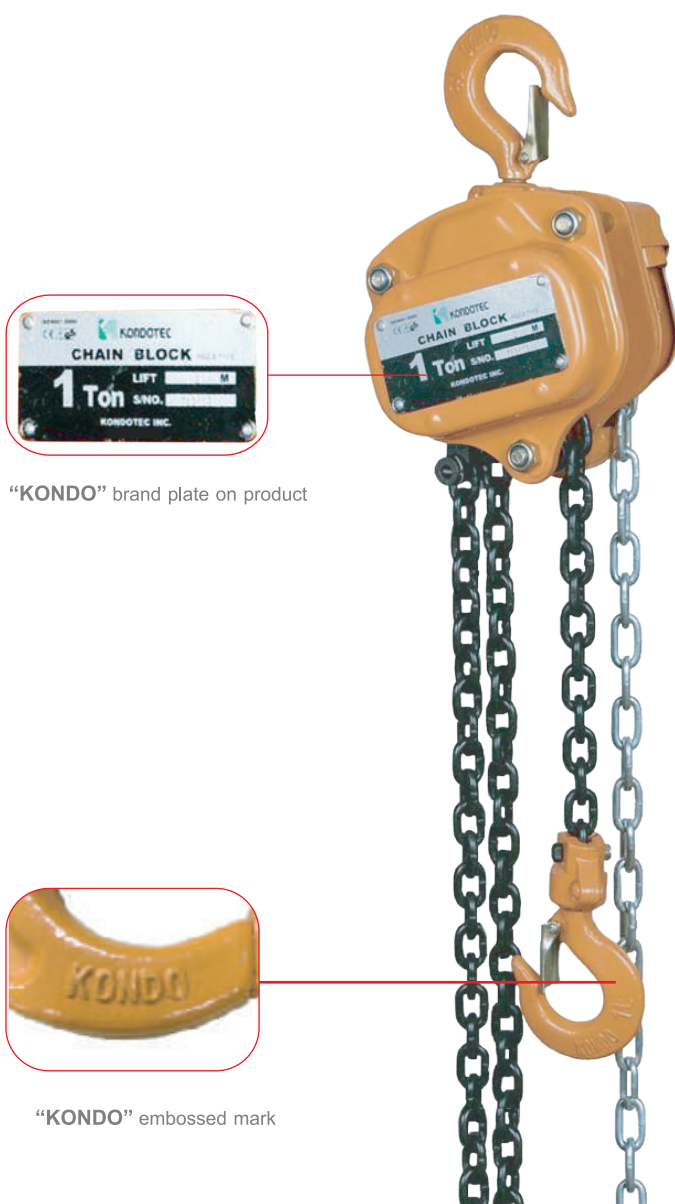
Eye Bolt & Eye Nut  
**26**



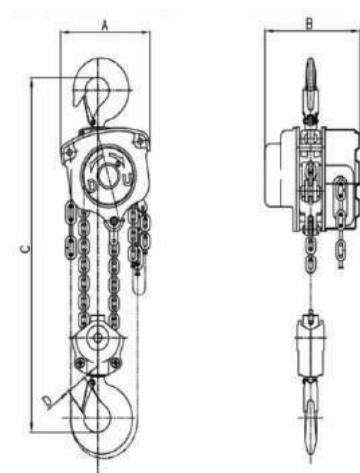
Long Shackle  
**27**

## KT-C CHAIN BLOCK

| SPECIFICATION                             |        |        |        |          |       |       |       |        |         |        |
|-------------------------------------------|--------|--------|--------|----------|-------|-------|-------|--------|---------|--------|
| Rated load (T)                            | 0.50   | 1.0    | 1.50   | 2.0      | 3.0   | 5.0   | 10.0  | 15.00  | 20.0    | 30.0   |
| Test load (T)                             | 0.75   | 1.5    | 2.25   | 3.0      | 4.5   | 7.5   | 12.5  | 18.75  | 25.0    | 37.5   |
| Standard lift (m)                         | 2.50   | 2.5    | 2.50   | 2.5      | 3.0   | 3.0   | 3.0   | 3.00   | 3.0     | 3.0    |
| Efforts required at capacity (N)          | 262.00 | 324.0  | 395.00 | 330.0    | 402.0 | 430.0 | 438.0 | 447.00 | 438.0   | 442.0  |
| Diameter of load chain (mm)               | 5.00   | 6.0    | 7.10   | 6.0(8.0) | 7.1   | 10.0  | 10.0  | 10.00  | 10.0    | 10.0   |
| No. of load chain                         | 1.00   | 1.0    | 1.00   | 2.0(1.0) | 2.0   | 2.0   | 4.0   | 6.00   | 8.0     | 10.0   |
| Dimensions (mm)                           | A      | 127.00 | 156.0  | 180.00   | 156.0 | 180.0 | 230.0 | 410.00 | 410.00  | 645.0  |
|                                           | B      | 115.00 | 131.0  | 142.00   | 131.0 | 142.0 | 171.0 | 171.0  | 204.00  | 215.0  |
|                                           | C      | 288.00 | 334.0  | 415.00   | 459.0 | 536.0 | 660.0 | 738.0  | 1028.00 | 1002.0 |
|                                           | D      | 23.00  | 24.0   | 36.00    | 34.0  | 35.0  | 47.0  | 61.0   | 81.60   | 81.60  |
| Weight (kg)                               | 7.00   | 10.5   | 15.50  | 16.0     | 23.0  | 39.0  | 69.0  | 95.00  | 155.0   | 237.0  |
| Extra weight per meter of extra lift (kg) | 1.50   | 1.8    | 2.00   | 2.7      | 3.2   | 5.3   | 9.8   | 14.20  | 19.6    | 23.9   |



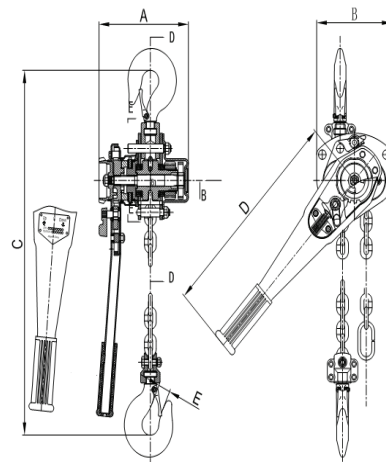
KT-C Chain Block  
(Single Chain)



KT-C Chain Block  
(Double Chain)

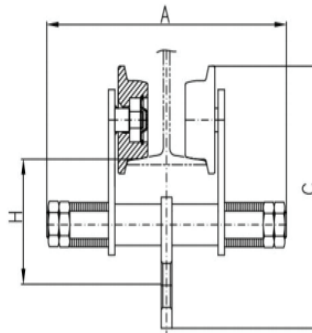
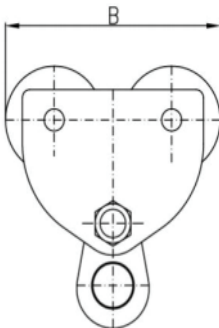
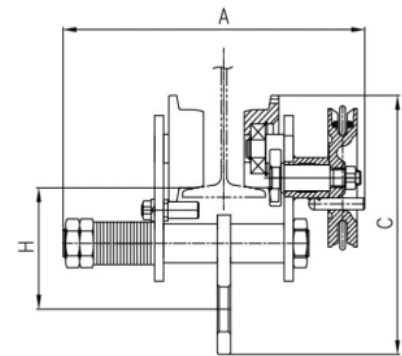
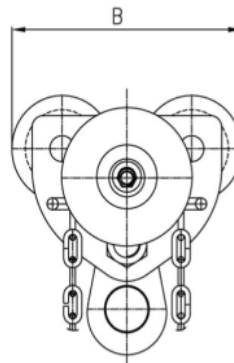
## KT-L LEVER BLOCK

| SPECIFICATION                       |   |         |        |         |       |        |       |       |             |
|-------------------------------------|---|---------|--------|---------|-------|--------|-------|-------|-------------|
| Rated load (T)                      |   | 0.250   | 0.50   | 0.750   | 1.0   | 1.50   | 2.0   | 3.0   | 6.0 9.0     |
| Test load (T)                       |   | 0.375   | 0.75   | 1.125   | 1.5   | 2.25   | 3.0   | 4.5   | 9.0 13.5    |
| Standard lift (m)                   |   | 1.000   | 1.50   | 1.500   | 1.5   | 1.50   | 1.5   | 1.5   | 1.5         |
| Min. distance between two hooks (t) |   | 205.000 | 260.00 | 295.000 | 295.0 | 335.00 | 385.0 | 450.0 | 615.0 720.0 |
| Efforts required at capacity (N)    |   | 217.000 | 303.00 | 140.000 | 185.0 | 234.00 | 251.0 | 363.0 | 370.0 375.0 |
| Diameter of load chain (mm)         |   | 4.000   | 5.00   | 6.000   | 6.0   | 7.10   | 8.0   | 9.0   | 9.0 10.0    |
| No. of load chain                   |   | 1.000   | 1.00   | 1.00    | 1.0   | 1.0    | 1.0   | 1.0   | 2.0 3.0     |
| Dimensions (mm)                     | A | 92.000  | 110.00 | 152.000 | 152.0 | 175.00 | 175.0 | 195.0 | 195.0 195.0 |
|                                     | B | 75.000  | 82.00  | 128.000 | 128.0 | 148.00 | 160.0 | 181.0 | 232.0 366.0 |
|                                     | C | 205.000 | 260.00 | 295.000 | 295.0 | 335.00 | 385.0 | 450.0 | 615.0 720.0 |
|                                     | D | 153.000 | 261.00 | 256.000 | 256.0 | 368.00 | 368.0 | 368.0 | 368.0 368.0 |
|                                     | E | 17.000  | 23.00  | 24.000  | 24.0  | 36.00  | 34.0  | 35.0  | 47.0 61.0   |
| Weight (kg)                         |   | 1.850   | 4.60   | 7.700   | 8.0   | 10.60  | 14.8  | 20.0  | 28.0 46.0   |



**KT-GT SERIES GEARED TROLLEY (GCL610)**


| Rated load<br>(t) | Test load<br>(t) | Dimensions (mm) |     |       |       | I-Beam<br>recommended | Weight<br>(kg) |
|-------------------|------------------|-----------------|-----|-------|-------|-----------------------|----------------|
|                   |                  | A               | B   | C     | H     |                       |                |
| 0.5               | 0.75             | 271             | 172 | 190   | 108.5 | 75-125                | 9.0            |
| 1.0               | 1.50             | 271             | 206 | 222   | 122   | 75-125                | 12.6           |
| 1.5               | 2.25             | 308             | 231 | 238.5 | 130   | 100-150               | 15.9           |
| 2.0               | 3.00             | 308             | 240 | 267   | 132.5 | 100-150               | 17.0           |
| 3.0               | 4.50             | 342             | 279 | 319   | 181   | 100-150               | 25.0           |
| 5.0               | 7.50             | 384             | 318 | 384   | 219   | 125-175               | 50.0           |
| 10.0              | 15.00            | 442             | 380 | 490   | 275   | 125-180               | 100.0          |


**KT-PT SERIES PLAIN TROLLEY (GCT610)**

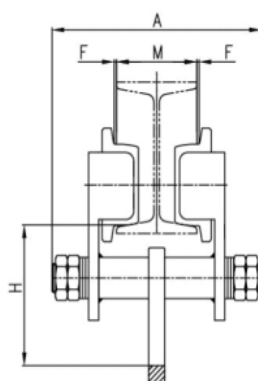
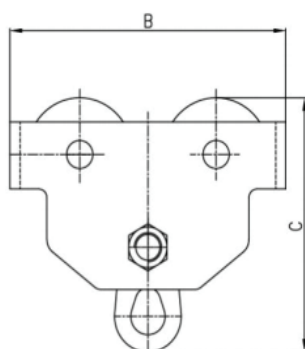
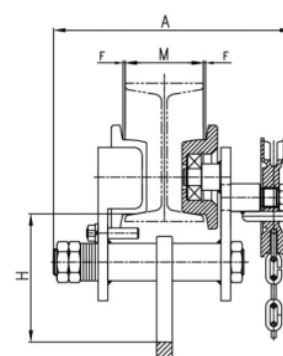
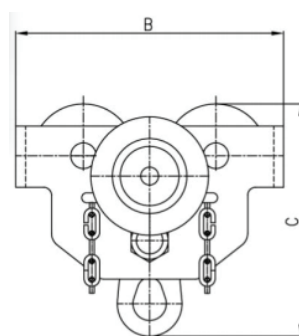
| Rated load<br>(t) | Test load<br>(t) | Dimensions (mm) |     |       |       | I-Beam<br>recommended | Weight<br>(kg) |
|-------------------|------------------|-----------------|-----|-------|-------|-----------------------|----------------|
|                   |                  | A               | B   | C     | H     |                       |                |
| 0.5               | 0.75             | 208             | 172 | 190.0 | 108.5 | 75-125                | 3.3            |
| 1.0               | 1.50             | 220             | 206 | 222.0 | 122.0 | 75-125                | 7.9            |
| 1.5               | 2.25             | 260             | 231 | 238.5 | 130.0 | 100-150               | 12.0           |
| 2.0               | 3.00             | 260             | 240 | 267.0 | 132.5 | 100-150               | 13.2           |
| 3.0               | 4.50             | 285             | 279 | 319.0 | 181.0 | 100-150               | 23.0           |
| 5.0               | 7.50             | 338             | 318 | 384.0 | 219.0 | 125-175               | 44.0           |
| 10.0              | 15.00            | 362             | 380 | 490.0 | 275.0 | 125-180               | 88.0           |



## KT-G TYPE GEARED TROLLEY (TG) / with ANTI-COLLISION



| Rated load<br>(t) | Test load<br>(t) | Chain pull to lift full load<br>(N) | Dimensions (mm) |     |     |     | I-Beam recommended | Weight (kg) |
|-------------------|------------------|-------------------------------------|-----------------|-----|-----|-----|--------------------|-------------|
|                   |                  |                                     | A               | B   | C   | H   |                    |             |
| 0.5               | 0.75             | 60                                  | 248             | 196 | 190 | 108 | 68-126             | 9           |
| 1.0               | 1.50             | 80                                  | 280             | 236 | 211 | 115 | 80-146             | 14          |
| 2.0               | 3.00             | 140                                 | 318             | 273 | 236 | 130 | 80-168             | 16          |
| 3.0               | 4.50             | 150                                 | 340             | 320 | 295 | 164 | 88-168             | 27          |
| 5.0               | 7.50             | 170                                 | 365             | 366 | 334 | 177 | 100-170            | 50          |
| 10.0              | 15.00            | 320                                 | 410             | 389 | 460 | 237 | 122-203            | 93          |
| 20.0              | 30.00            | 340                                 | 475             | 798 | 575 | 300 | 122-203            | 215         |
| 30.0              | 37.50            | 352                                 | 392             | 625 | 551 | 260 | 150-180            | 230         |

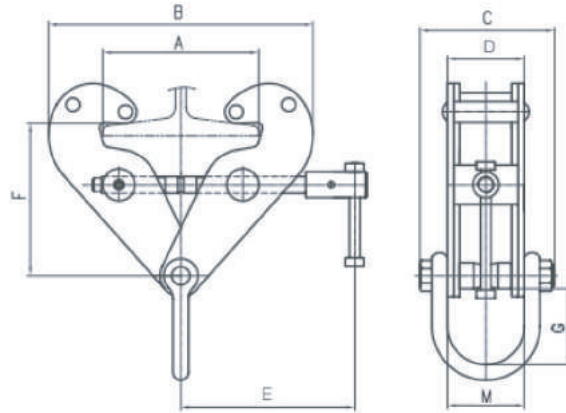


## KT-P TYPE PLAIN TROLLEY (TP) / with ANTI-COLLISION

| Rated load<br>(t) | Test load<br>(t) | Dimensions (mm) |     |     |     | I-Beam recommended | Weight (kg) |
|-------------------|------------------|-----------------|-----|-----|-----|--------------------|-------------|
|                   |                  | A               | B   | C   | H   |                    |             |
| 0.5               | 0.75             | 208             | 196 | 190 | 108 | 68-126             | 5.5         |
| 1.0               | 1.50             | 242             | 236 | 211 | 115 | 80-146             | 9.5         |
| 2.0               | 3.00             | 280             | 273 | 236 | 130 | 80-168             | 13.5        |
| 3.0               | 4.50             | 300             | 320 | 295 | 164 | 88-168             | 25.0        |
| 5.0               | 7.50             | 316             | 366 | 334 | 177 | 100-170            | 44.0        |
| 10.0              | 15.00            | 343             | 389 | 460 | 237 | 122-203            | 90.0        |

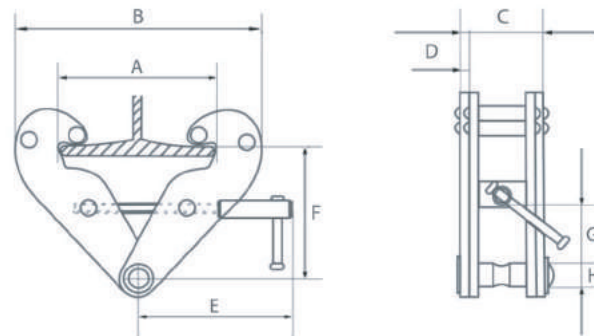


## BEAM CLAMP



### JTS BEAM CLAMP

| WLL<br>(t) | Adjustable<br>beam (mm) | A<br>Max | B<br>Min | B<br>Max | C   | D   | M<br>(mm) | E   | F<br>Min | F<br>Max | G   | Weight<br>(kg) |
|------------|-------------------------|----------|----------|----------|-----|-----|-----------|-----|----------|----------|-----|----------------|
| 1          | 70-245                  | 270      | 183      | 375      | 144 | 66  | 84        | 210 | 102      | 165      | 91  | 4.50           |
| 2          | 70-245                  | 270      | 183      | 375      | 144 | 74  | 84        | 210 | 102      | 165      | 91  | 5.50           |
| 3          | 70-355                  | 365      | 240      | 520      | 210 | 103 | 125       | 258 | 135      | 225      | 108 | 11.50          |
| 5          | 70-355                  | 365      | 240      | 520      | 210 | 111 | 125       | 258 | 135      | 225      | 108 | 15.51          |
| 10         | 80-350                  | 365      | 250      | 520      | 270 | 120 | 161       | 280 | 160      | 230      | 176 | 26.00          |

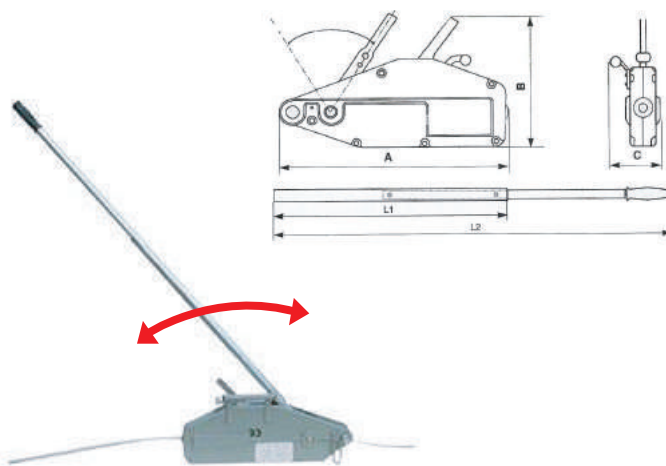


### JT BEAM CLAMP

| WLL<br>(t) | Adjustable<br>beam (mm) | A<br>Max | B<br>Min | B<br>Max | C   | D  | E<br>(mm) | F   | F<br>Min | G<br>Max | H  | Weight<br>(kg) |
|------------|-------------------------|----------|----------|----------|-----|----|-----------|-----|----------|----------|----|----------------|
| 1          | 75-220                  | 260      | 180      | 360      | 64  | 5  | 215       | 102 | 155      | 25       | 22 | 4.50           |
| 2          | 75-220                  | 260      | 180      | 360      | 74  | 6  | 215       | 102 | 155      | 25       | 22 | 5.20           |
| 3          | 80-320                  | 354      | 235      | 490      | 103 | 8  | 260       | 140 | 225      | 45       | 24 | 10.00          |
| 5          | 80-320                  | 354      | 235      | 490      | 110 | 10 | 260       | 140 | 225      | 45       | 28 | 11.10          |
| 10         | 90-320                  | 365      | 320      | 505      | 120 | 12 | 280       | 170 | 235      | 50       | 40 | 20.00          |

## ZNL WIRE ROPE PULLING HOIST

| SPECIFICATION                                        |   |         |          |          |          |
|------------------------------------------------------|---|---------|----------|----------|----------|
| Model                                                |   | ZNL-800 | ZNL-1600 | ZNL-3200 | ZNL-5400 |
| Rated forward hand power (N)                         |   | 341.0   | 438.0    | 438.0    | 745.0    |
| Rated capacity (kg)                                  |   | 800.0   | 1600.0   | 3200.0   | 5400.0   |
| Rated forward travel (Swing it forward and backward) |   | ≥ 52.0  | ≥ 55.0   | ≥ 28.0   | ≥ 30.0   |
| Rope diameter (mm)                                   |   | 8.3     | 11.0     | 16.0     | 20.0     |
| Wire rope safety factor load capacity (times)        |   | 5.0     | 5.0      | 5.0      | 5.0      |
| Safety factor & static load capacity (time)          |   | 4.0     | 4.0      | 4.0      | 4.0      |
| Max. travelling load (kg)                            |   | 1200.0  | 2400.0   | 4000.0   | 8000.0   |
| Max. outer size<br>(mm)                              | A | 426.0   | 545.0    | 660.0    | 930.0    |
|                                                      | B | 238.0   | 284.0    | 325.0    | 480.0    |
|                                                      | C | 64.0    | 97.0     | 116.0    | 152.0    |
| L1(cm)                                               |   | 80.0    | 80.0     | 80.0     | 80.0     |
| L2(cm)                                               |   | 80.0    | 120.0    | 120.0    | 120.0    |
| Weight (kg)                                          |   | 14.6    | 26.4     | 49.3     | 98.0     |



1×19 the 19 wire rope.  
some dia is big, some dia is small  
A bunch of 1×19  
stranding is 45 degree untill  
round  
Total 7×19+IWS is round  
1770 Mpa

Grip jaw different hardness for  
0.8t-1.6t, 3.2t-5.4t to extend  
the wire rope life



Each alex do the magnetic  
test to avoid any slight  
crackle alex assembly on the  
WRPH

Specially precision grinding to  
extend the wire rope life

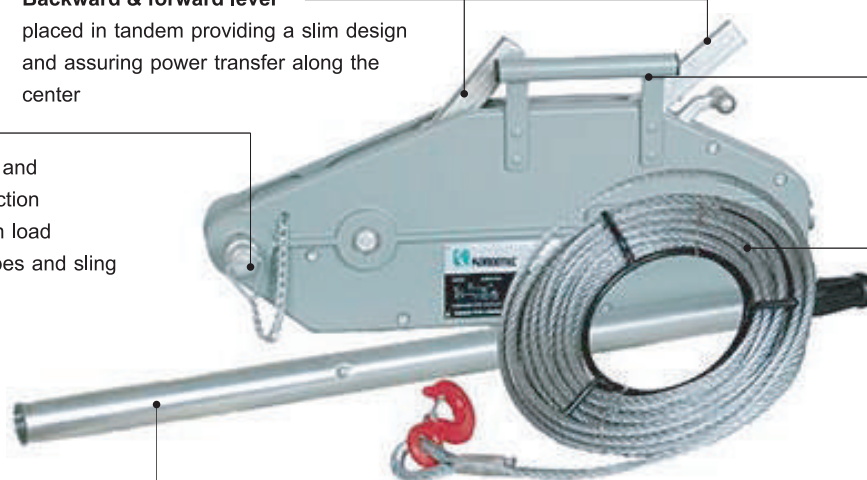
**Backward & forward lever**  
placed in tandem providing a slim design  
and assuring power transfer along the  
center

**Spare shear pins**  
two pieces of spare shear  
pins located in the carrying  
handle

**Anchor bolt**  
offer numerous and  
versatile connection  
possibilities with load  
hooks, sling ropes and sling  
chains

**Galv. steel wire rope  
mounted on a reel**  
every rope which is  
operationally tested to 150%  
of the rated capacity and is  
issued with an individual test  
certificate

**Adjustable handle**  
for easy operation



## SNATCH BLOCK



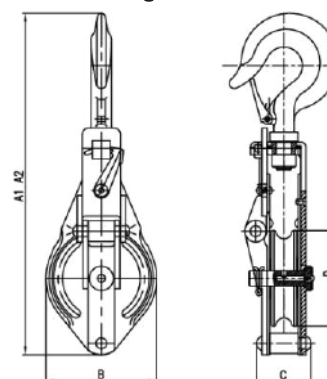
### Description

Snatch Block is an easy to use, versatile, manual lifting equipment, are used in factories, mines, agriculture, production of electricity, building construction, dock ships, warehouses, machine installation, cargo lifting, etc.

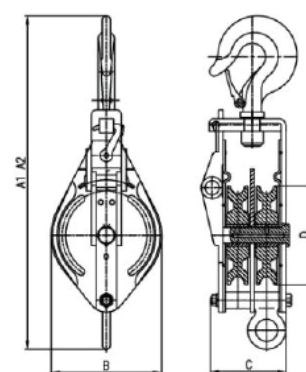


Product's Origin : China

### Single Sheave



### Double Sheave



DY x 1S



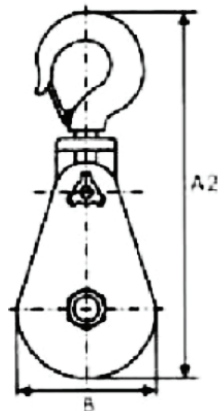
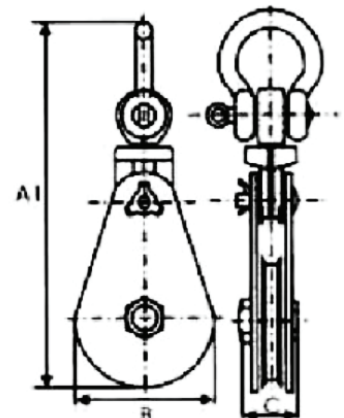
DY x 1SO



DY x 2S

## KONDO SNATCH BLOCK

| Model      |             | WLL<br>(ton) | Sheave dia<br>(mm) | Hook<br>A1<br>(mm) | Eye<br>A2<br>(mm) | Hook/Eye  |           | For wire dia<br>(mm) | Weight (kg) |          |
|------------|-------------|--------------|--------------------|--------------------|-------------------|-----------|-----------|----------------------|-------------|----------|
| Hook type  | Eye type    |              |                    |                    |                   | B<br>(mm) | C<br>(mm) |                      | 1 Sheave    | 2 Sheave |
| 75DY x 1S  | 75DY x 1SO  | 0.5          | 75                 | 286                | 227               | 87        | 50        | 8                    | 1.6         | 2.8      |
| 75DY x 2S  | 75DY x 2SO  |              |                    |                    |                   |           |           |                      |             |          |
| 100DY x 1S | 100DY x 1SO | 1            | 100                | 311.5              | 284.5             | 112       | 55.5      | 10                   | 3.5         | 4.3      |
| 100DY x 2S | 100DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 125DY x 1S | 125DY x 1SO | 1.5          | 125                | 370                | 344               | 140       | 63.5      | 13                   | 4.6         | 7.8      |
| 125DY x 2S | 125DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 150DY x 1S | 150DY x 1SO | 2            | 150                | 442.5              | 417               | 168       | 101       | 16                   | 7.7         | 12.2     |
| 150DY x 2S | 150DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 180DY x 1S | 180DY x 1SO | 3            | 180                | 498                | 478               | 204       | 107       | 19                   | 11          | 18.5     |
| 180DY x 2S | 180DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 200DY x 1S | 200DY x 1SO | 4            | 200                | 590.5              | 556               | 226       | 128       | 22                   | 19.3        | 31       |
| 200DY x 2S | 200DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 250DY x 1S | 250DY x 1SO | 5            | 250                | 590.5              | 651               | 276       | 147       | 25                   | 33.8        | 49.8     |
| 250DY x 2S | 250DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 300DY x 1S | 300DY x 1SO | 6            | 300                | 795                | 775               | 330       | 162       | 26                   | 48          | 72       |
| 300DY x 2S | 300DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |
| 350DY x 1S | 350DY x 1SO | 10           | 350                | 934                | 898               | 395       | 178       | 28                   | 66          | 102      |
| 350DY x 2S | 350DY x 2SO |              |                    |                    |                   |           |           |                      |             |          |


**HOOK TYPE, MODEL : LH**

**SHACKLE TYPE, MODEL : LS**
**KONDO HEAVY DUTY SHEAVE BLOCK**

| Model         |               | WLL<br>(t) | Sheave dia | Dimensions (mm) |      |     |     | For wire dia | Weight (kg) |         |
|---------------|---------------|------------|------------|-----------------|------|-----|-----|--------------|-------------|---------|
| Hook type     | Shackle type  |            |            | A1              | A2   | B   | C   |              | Hook        | Shackle |
| LH3" x 1      | LS3" x 1      | 2          | 75         | 292             | 286  | 82  | 70  | 7-9          | 3.9         | 3.8     |
| LH4(1/2)" x 1 | LS4(1/2)" x 1 | 4          | 115        | 358             | 345  | 120 | 70  | 10-12        | 6.2         | 6.2     |
| LH6" x 1      | LS6" x 1      | 4          | 150        | 412             | 399  | 160 | 70  | 16-18        | 8.4         | 8.3     |
|               |               | 8          |            | 498             | 475  | 160 | 93  | 20-22        | 14.1        | 14.1    |
| LH8" x 1      | LS8" x 1      | 8          | 200        | 549             | 528  | 210 | 93  | 20-22        | 19          | 18.7    |
|               |               | 15         |            | 672             | 663  | 230 | 102 | 22-24        | 34          | 33      |
| LH10" x 1     | LS10" x 1     | 10         | 250        | 695             | 679  | 260 | 115 | 24-26        | 36          | 34.7    |
|               |               | 12         |            | 701             | 679  | 260 | 115 | 24-26        | 36          | 34.7    |
| LH12" x 1     | LS12" x 1     | 12         | 300        | 797             | 767  | 310 | 133 | 24-26        | 56          | 54      |
|               |               | 15         |            | 800             | 788  | 310 | 133 | 24-26        | 58          | 55      |
| LH14" x 1     | LS14" x 1     | 22         | 355        | 960             | 952  | 365 | 140 | 28-32        | 112         | 109     |
| LH16" x 1     | LS16" x 1     | 22         | 400        | 1027            | 1019 | 415 | 140 | 28-32        | 122         | 118     |
|               |               | 30         |            | 1085            | 1126 | 415 | 155 | 32-35        | 170         | 164     |
| LH20" x 1     | LS20" x 1     | 30         | 500        | 1177            | 1256 | 514 | 162 | 32-35        | 213         | 208     |
| LH24" x 1     | LS24" x 1     | 50         | 600        | 1445            | 1525 | 625 | 240 | 46-50        | 408         | 418     |
| LH30" x 1     | LS30" x 1     | 85         | 760        | 1960            | 1910 | 800 | 288 | 56-64        | 810         | 840     |

## WEBBING SLING

### Features:

- Low weight, thus easy handling
- Protection against hand injuries
- Protection against cargo surface damage
- Highly flexible and adaptable to given shapes
- Equal pressure distribution over tension and pressure sensitive loads
- Heat resistant up to + 100°C
- Moisture-resistant fabric, thus preventing frost damage (up to approx.-40°C)
- Low-strain, wear-resistant, long-life material (100% PES)



### Four-Layer Webbing Sling

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 7:1           | Violet | 30        |
| WLL2T                    | 7:1           | Green  | 60        |
| WLL3T                    | 7:1           | Yellow | 90        |
| WLL4T                    | 7:1           | Grey   | 120       |
| WLL5T                    | 7:1           | Red    | 150       |
| WLL6T                    | 7:1           | Brown  | 180       |
| WLL8T                    | 7:1           | Blue   | 240       |
| WLL10T                   | 7:1           | Orange | 300       |
| WLL12T                   | 7:1           | Orange | 300       |

### Single ply Webbing Sling (SF=7:1)

Accord with EN 1492-1

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 7:1           | Green  | 60        |
| WLL2T                    | 7:1           | Grey   | 120       |
| WLL3T                    | 7:1           | Brown  | 180       |
| WLL4T                    | 7:1           | Blue   | 240       |
| WLL5T                    | 7:1           | Orange | 300       |
| WLL6T                    | 7:1           | Orange | 300       |

### Four-Layer Webbing Sling

Accord with EN 1492-1

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL16T                   | 7:1           | Orange | 240       |
| WLL20T                   | 7:1           | Orange | 300       |
| WLL24T                   | 7:1           | Orange | 300       |

### Eye-eye Duplex Webbing Sling (SF=6:1/SF=5:1)

Accord JB/T 8521.1-2007

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 6:1 / 5:1     | Violet | 25        |
| WLL2T                    | 6:1 / 5:1     | Green  | 50        |
| WLL3T                    | 6:1 / 5:1     | Yellow | 75        |
| WLL4T                    | 6:1 / 5:1     | Grey   | 100       |
| WLL5T                    | 6:1 / 5:1     | Red    | 125       |
| WLL6T                    | 6:1 / 5:1     | Brown  | 150       |
| WLL8T                    | 6:1 / 5:1     | Blue   | 200       |
| WLL10T                   | 6:1 / 5:1     | Orange | 250       |
| WLL12T                   | 6:1 / 5:1     | Orange | 280       |
| WLL16T                   | 6:1 / 5:1     | Orange | 240       |
| WLL20T                   | 6:1 / 5:1     | Orange | 280       |
| WLL24T                   | 6:1 / 5:1     | Orange | 300       |



## ROUND SLING



### Single ply sleeve round sling

Accord with EN 1492-2

- Low weight for easy using
- Low value for occasional use

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 7:1           | Violet | 42        |
| WLL2T                    | 7:1           | Green  | 46        |
| WLL3T                    | 7:1           | Yellow | 58        |
| WLL4T                    | 7:1           | Grey   | 72        |
| WLL5T                    | 7:1           | Red    | 83        |
| WLL6T                    | 7:1           | Brown  | 92        |
| WLL8T                    | 7:1           | Blue   | 102       |
| WLL10T                   | 7:1           | Orange | 116       |

### Round sling

Accord with EN 1492-2

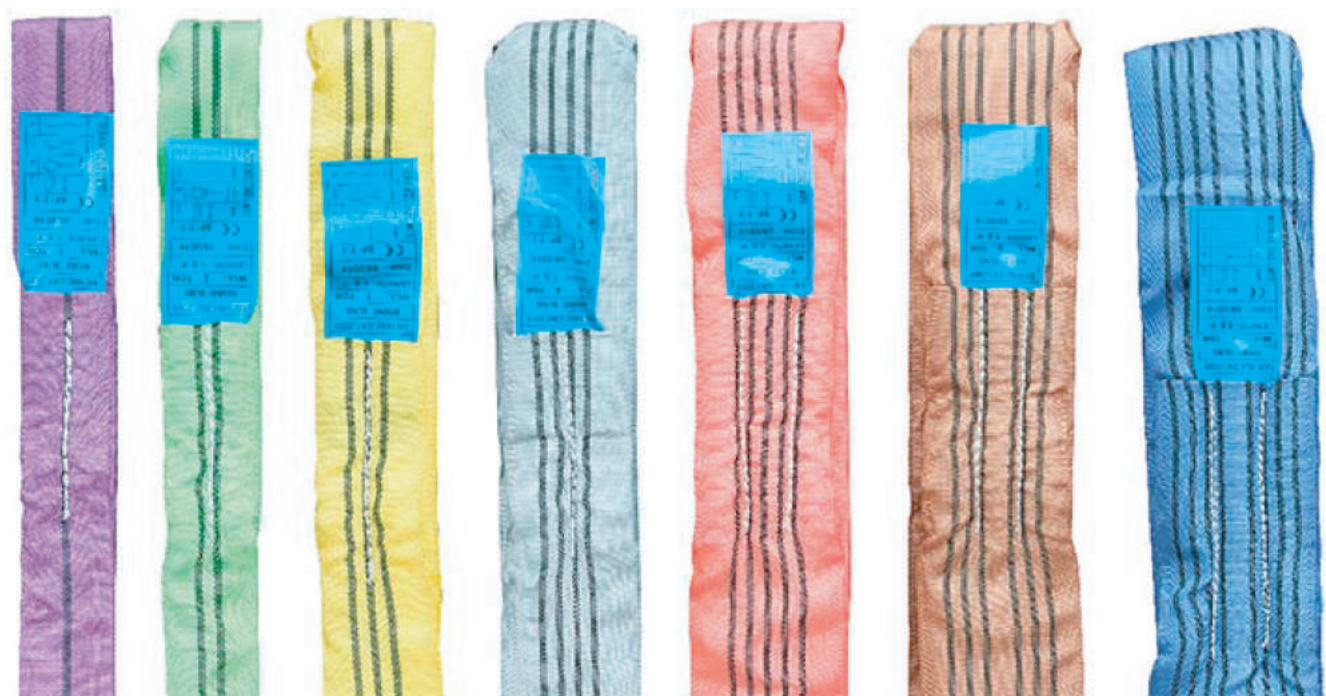
| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 7:1           | Violet | 45        |
| WLL2T                    | 7:1           | Green  | 50        |
| WLL3T                    | 7:1           | Yellow | 60        |
| WLL4T                    | 7:1           | Grey   | 75        |
| WLL5T                    | 7:1           | Red    | 85        |
| WLL6T                    | 7:1           | Brown  | 95        |
| WLL8T                    | 7:1           | Blue   | 110       |
| WLL10T                   | 7:1           | Orange | 125       |
| WLL12T                   | 7:1           | Orange | 140       |
| WLL16T                   | 7:1           | Orange | 155       |
| WLL20T                   | 7:1           | Orange | 170       |
| WLL24T                   | 7:1           | Orange | 200       |

### Extra thick sleeve round sling

Accord with EN 1492-2

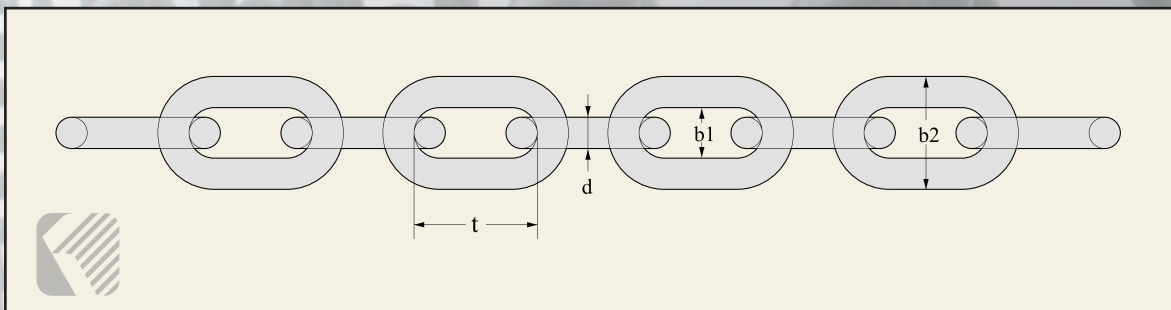
- Extra thick sleeve, well wear resistance, and long useful life for often use
- Double ply sleeve, well protection for inner yarn use for all condition

| WLL<br>(Work Load Limit) | Safety Factor | Colour | Width(mm) |
|--------------------------|---------------|--------|-----------|
| WLL1T                    | 7:1           | Violet | 54        |
| WLL2T                    | 7:1           | Green  | 60        |
| WLL3T                    | 7:1           | Yellow | 73        |
| WLL4T                    | 7:1           | Grey   | 73        |
| WLL5T                    | 7:1           | Red    | 82        |
| WLL6T                    | 7:1           | Brown  | 82        |
| WLL8T                    | 7:1           | Blue   | 100       |
| WLL10T                   | 7:1           | Orange | 110       |



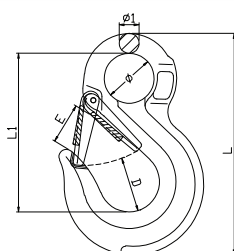
# GRADE 80 CHAIN

## Black Finished EN818-2

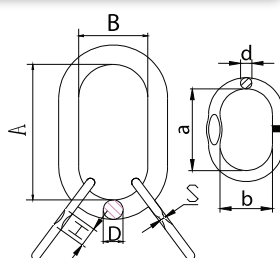


### GRADE 80 CHAIN BLACK FINISHED EN818-2

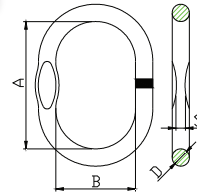
| $\Phi$<br>d       | Pitch<br>t        | Inside Width<br>b1 min | Outside Width<br>b2 max | Weight<br>kg/m | WLL     | Proof Load | Break Load | Packing          |
|-------------------|-------------------|------------------------|-------------------------|----------------|---------|------------|------------|------------------|
| 6.0 mm $\pm 0.2$  | 18.0 mm $\pm 0.5$ | 7.5 mm                 | 21.6 mm                 | 0.80           | 1.12 t  | 28.30 KN   | 45.20 KN   | 600 m/Steel Drum |
| 7.0 mm $\pm 0.3$  | 21.0 mm $\pm 0.6$ | 9.1 mm                 | 24.9 mm                 | 1.10           | 1.50 t  | 38.50 KN   | 61.60 KN   | 500 m/Steel Drum |
| 8.0 mm $\pm 0.3$  | 24.0 mm $\pm 0.7$ | 10.8 mm                | 28.8 mm                 | 1.40           | 2.00 t  | 50.30 KN   | 80.40 KN   | 400 m/Steel Drum |
| 10.0 mm $\pm 0.4$ | 30.0 mm $\pm 0.9$ | 13.5 mm                | 36.0 mm                 | 2.20           | 3.15 t  | 78.50 KN   | 126.00 KN  | 300 m/Steel Drum |
| 13.0 mm $\pm 0.5$ | 39.0 mm $\pm 1.2$ | 17.5 mm                | 46.8 mm                 | 3.80           | 5.30 t  | 133.00 KN  | 212.00 KN  | 150 m/Steel Drum |
| 16.0 mm $\pm 0.6$ | 48.0 mm $\pm 1.4$ | 21.5 mm                | 57.6 mm                 | 5.63           | 8.00 t  | 201.00 KN  | 322.00 KN  | 100 m/Steel Drum |
| 20.0 mm $\pm 1.0$ | 60.0 mm $\pm 1.8$ | 25.0 mm                | 70.0 mm                 | 8.60           | 12.50 t | 314.00 KN  | 503.00 KN  | 50 m/Steel Drum  |
| 22.0 mm $\pm 1.1$ | 66.0 mm $\pm 2.0$ | 28.0 mm                | 79.0 mm                 | 10.20          | 15.00 t | 380.00 KN  | 608.00 KN  | 50 m/Steel Drum  |
| 26.0 mm $\pm 1.3$ | 78.0 mm $\pm 2.3$ | 35.0 mm                | 91.0 mm                 | 14.90          | 21.20 t | 531.00 KN  | 849.00 KN  | 50 m/Wooden Drum |


**SLR-013 G80 EUROPEAN TYPE EYE SLING HOOK WITH LATCH**


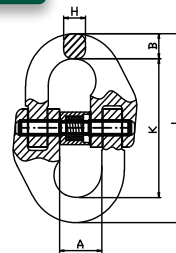
| Size  | Weight (kg) | WLL (t) | B.L (t) | Φ1 | Dimensions (mm) |     |    |       |     |
|-------|-------------|---------|---------|----|-----------------|-----|----|-------|-----|
|       |             |         |         |    | E               | D   | Φ  | L1    | L2  |
| 6mm   | 0.24        | 1.12    | 4.48    | 9  | 24              | 21  | 20 | 75.0  | 108 |
| 7-8mm | 0.40        | 2.00    | 8.00    | 11 | 30              | 26  | 25 | 98.5  | 133 |
| 10mm  | 0.90        | 3.15    | 12.60   | 15 | 34              | 39  | 38 | 120.0 | 167 |
| 13mm  | 1.83        | 5.30    | 21.20   | 19 | 39              | 54  | 43 | 152.0 | 213 |
| 16mm  | 3.20        | 8.00    | 32.00   | 23 | 46              | 64  | 50 | 183.5 | 255 |
| 20mm  | 5.80        | 12.50   | 50.00   | 24 | 48              | 80  | 62 | 219.0 | 305 |
| 22mm  | 9.20        | 15.00   | 60.00   | 32 | 71              | 80  | 62 | 241.0 | 348 |
| 26mm  | 13.00       | 21.20   | 84.80   | 35 | 81              | 82  | 64 | 279.0 | 394 |
| 32mm  | 17.00       | 31.50   | 126.00  | 37 | 102             | 112 | 88 | 355.0 | 480 |

**SLR-032 G80 EUROPEAN TYPE MASTER LINK ASSEMBLY**


| Size | Weight (kg) | WLL (t) | A   | B   | D  | a   | b   | d  | SxH   |
|------|-------------|---------|-----|-----|----|-----|-----|----|-------|
| 6mm  | 1.18        | 2.36    | 135 | 75  | 18 | 54  | 25  | 13 | 7x25  |
| 7mm  | 1.24        | 3.15    | 135 | 75  | 18 | 60  | 38  | 13 | 7x25  |
| 8mm  | 2.20        | 4.25    | 160 | 90  | 22 | 70  | 34  | 16 | 8x28  |
| 10mm | 3.40        | 6.70    | 180 | 100 | 26 | 85  | 40  | 18 | 11x35 |
| 13mm | 6.10        | 11.20   | 200 | 110 | 32 | 115 | 50  | 22 | 13x43 |
| 16mm | 9.98        | 17.00   | 260 | 140 | 36 | 140 | 65  | 26 | 17x55 |
| 18mm | 18.90       | 21.20   | 340 | 180 | 45 | 180 | 100 | 32 | 18x59 |
| 20mm | 22.60       | 26.50   | 350 | 190 | 50 | 180 | 100 | 32 | 20x64 |
| 22mm | 25.20       | 31.50   | 350 | 190 | 50 | 180 | 100 | 36 | 20x64 |
| 26mm | 35.20       | 45.00   | 400 | 200 | 56 | 180 | 100 | 40 | -     |
| 28mm | 47.00       | 50.00   | 430 | 220 | 63 | 180 | 100 | 45 | -     |
| 32mm | 66.46       | 63.00   | 460 | 250 | 72 | 200 | 110 | 50 | -     |

**SLR-033 G80 EUROPEAN TYPE MASTER LINK**


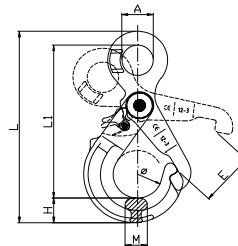
| Size    | Weight (kg) | WLL (t) | Dimensions (mm) |     |    |         |
|---------|-------------|---------|-----------------|-----|----|---------|
| A       | B           | D       | S x H           |     |    |         |
| 7-6mm   | 0.34        | 1.60    | 110             | 60  | 13 | 7 x 25  |
| 8-7mm   | 0.54        | 2.12    | 110             | 60  | 16 | 7 x 25  |
| 10-8mm  | 0.82        | 3.15    | 135             | 75  | 18 | 8 x 28  |
| 13-10mm | 1.50        | 5.30    | 160             | 90  | 22 | 11 x 35 |
| 16-13mm | 2.32        | 8.00    | 180             | 100 | 26 | 13 x 43 |
| 18-16mm | 3.95        | 11.20   | 200             | 110 | 32 | 17 x 55 |
| 20-18mm | 6.34        | 14.00   | 260             | 140 | 36 | 19 x 60 |
| 22-20mm | 8.96        | 17.00   | 300             | 160 | 40 | 20 x 64 |
| 26-22mm | 12.80       | 21.20   | 340             | 180 | 45 | -       |
| 32-26mm | 16.55       | 31.50   | 350             | 190 | 50 | -       |
| 36-32mm | 23.28       | 45.00   | 400             | 200 | 56 | -       |
| 40-36mm | 32.00       | 56.00   | 430             | 220 | 63 | -       |

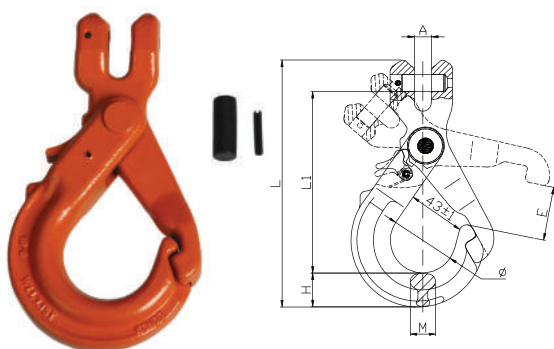
**SLR-074 G80 EUROPEAN TYPE CONNECTING LINK**


| Size    | Weight (kg) | WLL (t) | B.L (t) | A    | Dimensions (mm) |       |       |      |  |
|---------|-------------|---------|---------|------|-----------------|-------|-------|------|--|
| B       | L           | K       | H       |      |                 |       |       |      |  |
| 6mm     | 0.08        | 1.12    | 4.48    | 15.0 | 7.5             | 58.0  | 42.0  | 7.0  |  |
| 7-8mm   | 0.15        | 2.00    | 8.00    | 18.0 | 9.5             | 79.5  | 60.5  | 8.5  |  |
| 10mm    | 0.30        | 3.15    | 12.60   | 25.0 | 12.0            | 90.5  | 68.0  | 11.5 |  |
| 13mm    | 0.63        | 5.30    | 21.20   | 29.0 | 15.0            | 117.0 | 87.0  | 15.0 |  |
| 16mm    | 1.15        | 8.00    | 32.00   | 34.5 | 19.8            | 148.0 | 108.4 | 19.8 |  |
| 18-20mm | 2.10        | 12.50   | 50.00   | 41.0 | 24.0            | 169.5 | 121.5 | 24.0 |  |
| 22mm    | 3.00        | 15.00   | 60.00   | 48.0 | 26.0            | 193.5 | 141.5 | 26.0 |  |
| 26mm    | 4.50        | 21.20   | 84.80   | 57.5 | 31.0            | 220.0 | 158.0 | 30.0 |  |
| 32mm    | 8.21        | 31.50   | 126.00  | 67.0 | 38.0            | 281.0 | 205.0 | 37.0 |  |

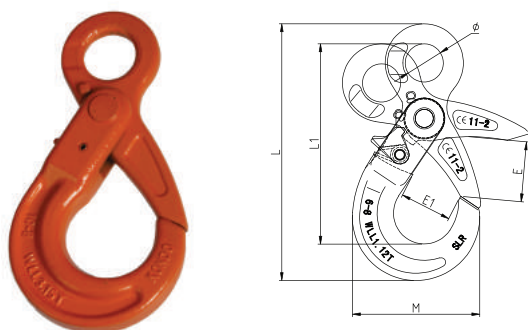
**SLR-077 G80 EUROPEAN TYPE EYE SELF-LOCKING HOOK WITH GRIP**

| Size  | Weight (kg) | WLL (t) | B.L (t) | A  | Dimensions (mm) |    |       |    |      |       |  |
|-------|-------------|---------|---------|----|-----------------|----|-------|----|------|-------|--|
| H     | E           | L       | Φ       | M  | L1              |    |       |    |      |       |  |
| 7-8mm | 0.75        | 2.00    | 8.0     | 25 | 22.0            | 34 | 164.0 | 40 | 18.0 | 131.0 |  |
| 10mm  | 1.30        | 3.15    | 12.6    | 32 | 26.0            | 42 | 201.0 | 50 | 22.5 | 161.6 |  |
| 13mm  | 1.93        | 5.30    | 21.2    | 40 | 31.0            | 50 | 243.5 | 60 | 29.0 | 195.5 |  |
| 16mm  | 3.40        | 8.00    | 32.0    | 50 | 39.5            | 60 | 298.0 | 70 | 35.0 | 238.0 |  |

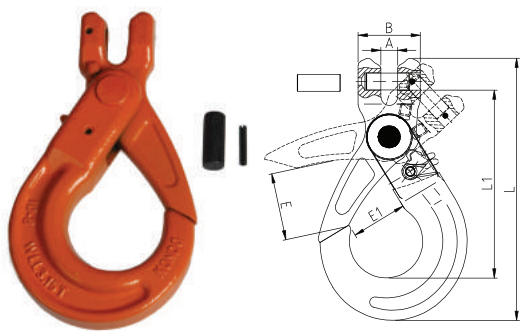



**SLR-078 G80 EUROPEAN TYPE CLEVIS SELF-LOCKING HOOK WITH GRIP**

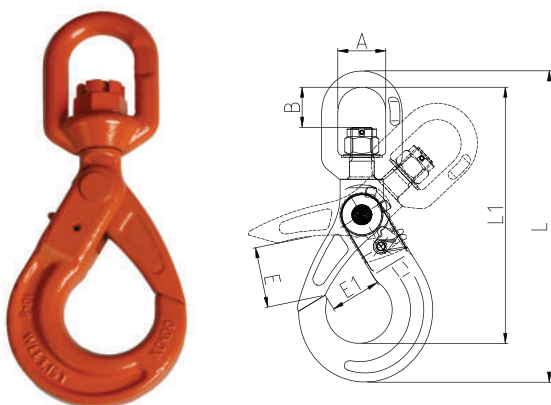
| Size  | Weight (kg) | WLL (t) | B.L (t) | Dimensions (mm) |      |    |     |    |      |     |  |
|-------|-------------|---------|---------|-----------------|------|----|-----|----|------|-----|--|
|       |             |         |         | A               | H    | E  | L   | Φ  | M    | L1  |  |
| 7-8mm | 0.8         | 2.00    | 8.0     | 9.5             | 21.5 | 36 | 150 | 40 | 18.0 | 111 |  |
| 10mm  | 1.5         | 3.15    | 12.6    | 12.0            | 26.2 | 44 | 189 | 50 | 22.5 | 139 |  |
| 13mm  | 2.8         | 5.30    | 21.2    | 15.0            | 31.0 | 54 | 229 | 60 | 29.0 | 168 |  |
| 16mm  | 5.1         | 8.00    | 32.0    | 18.5            | 39.5 | 63 | 299 | 72 | 35.0 | 238 |  |


**SLR-737 G80 EUROPEAN TYPE EYE SELF-LOCKING HOOK**

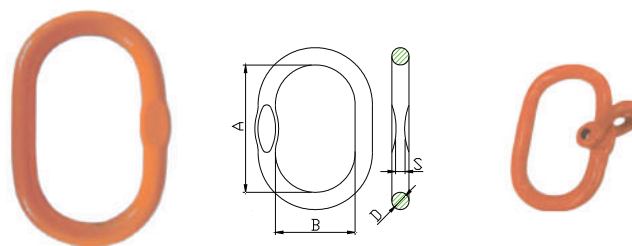
| Size    | Weight (kg) | WLL (t) | B.L (t) | Dimensions (mm) |     |       |       |     |  |
|---------|-------------|---------|---------|-----------------|-----|-------|-------|-----|--|
|         |             |         |         | Φ               | E   | E1    | L1    | L   |  |
| 6mm     | 0.50        | 1.12    | 4.48    | 21.0            | 35  | 28.0  | 110.0 | 141 |  |
| 7-8mm   | 0.88        | 2.00    | 8.00    | 25.0            | 40  | 35.0  | 136.0 | 175 |  |
| 10mm    | 1.58        | 3.15    | 12.60   | 34.5            | 50  | 45.0  | 168.0 | 214 |  |
| 13mm    | 3.00        | 5.30    | 21.20   | 40.0            | 60  | 52.5  | 207.0 | 268 |  |
| 16mm    | 5.90        | 8.00    | 32.00   | 50.0            | 65  | 63.3  | 254.0 | 332 |  |
| 18-20mm | 7.00        | 12.50   | 50.00   | 64.5            | 80  | 86.0  | 274.5 | 332 |  |
| 22mm    | 12.30       | 15.00   | 60.00   | 70.0            | 83  | 76.0  | 319.0 | 415 |  |
| 26mm    | 20.00       | 21.20   | 84.80   | 80.0            | 106 | 96.0  | 362.0 | 472 |  |
| 32mm    | 44.00       | 31.50   | 126.00  | 105.0           | 140 | 133.0 | 470.0 | 614 |  |


**SLR-738 G80 EUROPEAN TYPE CLEVIS SELF-LOCKING HOOK**

| Size    | Weight (kg) | WLL (t) | B.L (t) | Dimensions (mm) |       |     |       |       |       |  |
|---------|-------------|---------|---------|-----------------|-------|-----|-------|-------|-------|--|
|         |             |         |         | A               | B     | E   | E1    | L1    | L     |  |
| 6mm     | 0.44        | 1.12    | 4.48    | 8.0             | 32.0  | 35  | 28.0  | 96.0  | 131.0 |  |
| 7-8mm   | 0.80        | 2.00    | 8.00    | 9.5             | 38.5  | 40  | 35.8  | 119.3 | 161.8 |  |
| 10mm    | 1.38        | 3.15    | 12.60   | 12.5            | 46.0  | 50  | 45.0  | 142.0 | 195.0 |  |
| 13mm    | 2.81        | 5.30    | 21.20   | 15.0            | 59.0  | 60  | 52.5  | 179.0 | 249.0 |  |
| 16mm    | 6.00        | 8.00    | 32.00   | 18.5            | 77.0  | 65  | 63.3  | 224.8 | 310.0 |  |
| 18-20mm | 7.25        | 12.50   | 50.00   | 25.0            | 77.0  | 80  | 86.0  | 238.3 | 335.0 |  |
| 22mm    | 12.80       | 15.00   | 60.00   | 25.0            | 97.5  | 83  | 76.0  | 277.0 | 392.0 |  |
| 26mm    | 21.80       | 21.20   | 84.80   | 30.0            | 118.0 | 106 | 96.0  | 312.0 | 450.0 |  |
| 32mm    | 49.60       | 31.50   | 126.00  | 35.0            | 150.0 | 140 | 135.0 | 416.0 | 589.6 |  |


**SLR-755 G80 EUROPEAN TYPE SWIVEL SELF-LOCKING HOOK**

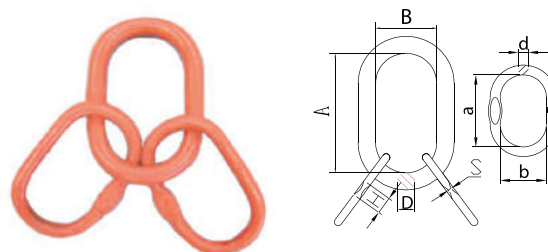
| Size    | Weight (kg) | WLL (t) | B.L (t) | Dimensions (mm) |       |     |       |       |       |  |
|---------|-------------|---------|---------|-----------------|-------|-----|-------|-------|-------|--|
|         |             |         |         | A               | B     | E   | E1    | L1    | L     |  |
| 6mm     | 0.71        | 1.12    | 4.48    | 32.5            | 24.0  | 35  | 28.0  | 152.5 | 184.0 |  |
| 7-8mm   | 1.15        | 2.00    | 8.00    | 36.0            | 29.5  | 40  | 35.8  | 189.0 | 228.0 |  |
| 10mm    | 1.86        | 3.15    | 12.60   | 42.0            | 35.0  | 50  | 48.0  | 224.0 | 270.0 |  |
| 13mm    | 3.51        | 5.30    | 21.20   | 50.0            | 41.0  | 60  | 52.5  | 267.0 | 324.0 |  |
| 16mm    | 7.33        | 8.00    | 32.00   | 61.0            | 56.8  | 65  | 63.3  | 355.6 | 406.0 |  |
| 18-20mm | 10.3        | 12.50   | 50.00   | 72.0            | 63.0  | 80  | 86.0  | 378.2 | 460.5 |  |
| 22mm    | 17.5        | 15.00   | 60.00   | 97.0            | 98.0  | 83  | 76.0  | 466.0 | 564.0 |  |
| 26mm    | 23.0        | 21.20   | 84.80   | 123.0           | 115.0 | 106 | 96.0  | 544.0 | 661.0 |  |
| 32mm    | 81.0        | 31.50   | 126.00  | 140.0           | 146.0 | 140 | 135.0 | 679.0 | 829.0 |  |


**SLR-093 G80 U.S. TYPE MASTER LINK**

| Size  | Weight<br>(kg) | Chain |                  |                         | Wire rope<br>WLL<br>(t) | Dimensions (mm) |       |         |           |
|-------|----------------|-------|------------------|-------------------------|-------------------------|-----------------|-------|---------|-----------|
|       |                | Size  | WLL 1 leg<br>(t) | WLL 2 leg<br>0-45 ° (t) |                         | A               | B     | D       | s         |
| 7/16  | 0.27           | 1/4   | 1.12             | 1.60                    | 1.60                    | 100±5           | 60±5  | 12±1    | 6±0.5     |
|       |                | 9/32  | 1.50             | -                       |                         |                 |       |         |           |
| 1/2   | 0.38           | 9/32  | 1.50             | 2.12                    | 2.50                    | 100±5           | 60±5  | 14±1    | 7.6 ±0.5  |
|       |                | 5/16  | 2.00             | -                       |                         |                 |       |         |           |
| 11/16 | 0.85           | 5/16  | 2.00             | 2.80                    | 4.00                    | 160±6           | 90±5  | 18±1    | 8.4 ±0.5  |
|       |                | 3/8   | 3.15             | -                       |                         |                 |       |         |           |
| 3/4   | 1.20           | 3/8   | 3.15             | 4.25                    | 6.50                    | 160±6           | 90±5  | 20±1    | 10.5 ±0.5 |
|       |                | 1/2   | 5.30             | -                       |                         |                 |       |         |           |
| 7/8   | 1.63           | 1/2   | 5.30             | 7.50                    | 8.00                    | 180±6           | 100±5 | 22±1    | 13.5 ±0.5 |
|       |                | 5/8   | 8.00             | -                       |                         |                 |       |         |           |
| 1     | 2.13           | 5/8   | 8.00             | 11.20                   | 11.50                   | 180±6           | 100±5 | 25±1    | 16.5 ±0.5 |
|       |                | 19mm  | 11.20            | -                       |                         |                 |       |         |           |
| 1-1/8 | 3.81           | 3/4   | 12.50            | -                       | 11.80                   | 270±7           | 140±6 | 28±1/-2 | 19±0.5    |
| 1-1/4 | 5.05           | 19mm  | 11.20            | 16.00                   | 16.00                   | 270±7           | 140±6 | 32±1/-2 | 19±0.5    |
|       |                | 7/8   | 15.00            | -                       |                         |                 |       |         |           |
| 1-3/8 | 6.83           | 7/8   | 15.00            | 21.20                   | 24.00                   | 285±7           | 155±6 | 36±1/-2 | 20±0.5    |
|       |                | 1     | 21.20            | -                       |                         |                 |       |         |           |
| 1-1/2 | 8.90           | 28mm  | 25.00            | -                       | 25.00                   | 300±8           | 160±6 | 40±1/-2 | 26±0.5    |
| 1-3/4 | 12.80          | 1     | 21.20            | 30.00                   | 31.50                   | 340±10          | 180±6 | 45±1/-2 | 26±0.5    |
|       |                | 11/4  | 31.50            | -                       |                         |                 |       |         |           |
| 2     | 17.30          | 11/4  | 31.50            | 45.00                   | 45.00                   | 390±10          | 215±7 | 51±1/-2 | 32±0.5    |

For chain sling: Minimum Ultimate Load is 4 times the Working Load limit

For steel rope sling: Minimum Ultimate Load is 5 times the Working Load Limit


**SLR-094 G80 U.S. TYPE MASTER LINK ASSEMBLY**

| Size  | Weight (kg) | Chain |                          | Wire rope WLL (t) | Dimensions (mm) |       |         |        |       |         |          |
|-------|-------------|-------|--------------------------|-------------------|-----------------|-------|---------|--------|-------|---------|----------|
|       |             | Size  | WLL 3 or 4 leg 0-45° (t) |                   | A               | B     | D       | a      | b     | d       | s        |
| 1/2   | 0.82        | 7/32  | 2.36                     | 2.40              | 100±5           | 60±5  | 14±1    | 85±5   | 40±3  | 12±1    | 6±0.5    |
| 11/16 | 1.6         | 1/4   | 3.15                     | 3.20              | 160±6           | 90±5  | 18±1    | 100±5  | 60±5  | 14±1    | 7.6±0.5  |
| 5/8   | 1.6         | 1/4   | 3.15                     | 3.20              | 160±6           | 90±5  | 18±1    | 100±5  | 60±5  | 14±1    | 7.6±0.5  |
| 3/4   | 1.95        | 5/16  | 4.25                     | 4.20              | 160±6           | 90±5  | 20±1    | 100±5  | 60±5  | 14±1    | 7.6±0.5  |
| 7/8   | 3.16        | 3/8   | 6.70                     | 8.00              | 180±6           | 100±5 | 22±1    | 150±6  | 70±5  | 18±1    | 8.4±0.5  |
| 1-1/8 | 6.75        | 1/2   | 11.20                    | 12.00             | 270±7           | 140±6 | 28±1/-2 | 160±6  | 90±5  | 22±1    | 13.5±0.5 |
| 1-1/4 | 9.31        | 5/8   | 17.00                    | 17.00             | 270±7           | 140±6 | 32±1/-2 | 180±6  | 100±5 | 25±1    | 16.5±0.5 |
| 1-1/2 | 18.4        | 3/4   | 23.60                    | 25.00             | 300±7           | 160±6 | 40±1/-2 | 270±7  | 140±6 | 31±1/-2 | 19±0.5   |
| 1-3/4 | 26.6        | 7/8   | 31.50                    | 31.50             | 340±4           | 180±6 | 45±1/-2 | 285±7  | 155±6 | 36±1/-2 | 22±0.5   |
| 2     | 42.91       | 1     | 45.00                    | 45.00             | 350±10          | 190±6 | 51±1/-2 | 340±10 | 180±6 | 45±1/-2 | 25±0.5   |

For chain sling: Minimum Ultimate Load is 4 times the Working Load limit

For steel rope sling: Minimum Ultimate Load is 5 times the Working Load Limit

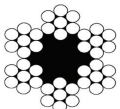
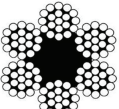
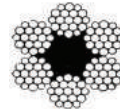
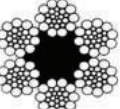
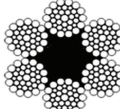
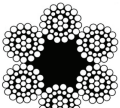
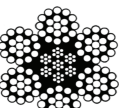
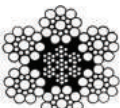
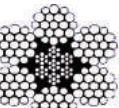
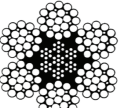
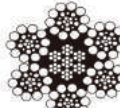
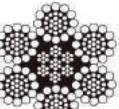
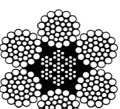
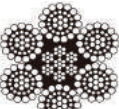
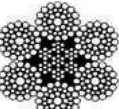
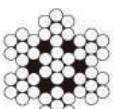
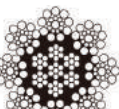
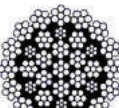
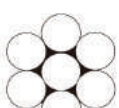
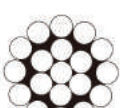
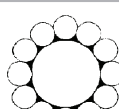
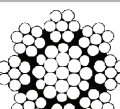
# KONDO STEEL WIRE ROPE

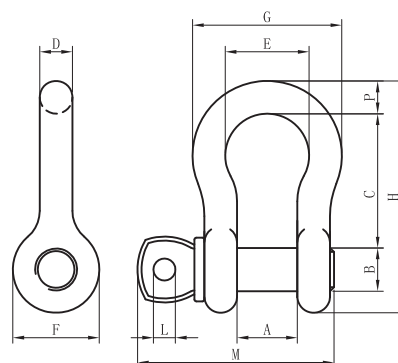


- Special Purpose Rope for Mine Hoist, Heavy Casting, Heavy Lifting, Shipping, Offshore Facilities, etc.
- General Purpose Rope for Hoist, General Industry, Construction, Crane, Mining, Machine, etc.

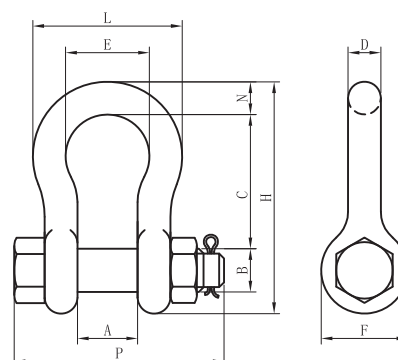


JIS, EN, DIN Standard are available

|                                                                                                          |                                                                                                          |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                            |                                                                                                        |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <br>6 x 7             | <br>6 x 12            | <br>6 x 24            | <br>6 x 30             | <br>6 x 19            | <br>6 x S(19)         | <br>6 x W(19)     |
| <br>6 x Fi(21)        | <br>6 x Fi(25)        | <br>6 x WS(26)        | <br>6 x 37             | <br>6 x Fi(29)        | <br>6 x WS(31)        | <br>6 x WS(36)    |
| <br>6 x SES(37)       | <br>6 x 19 + IWRC     | <br>6 x S(19) + IWRC  | <br>6 x W(19) + IWRC   | <br>6 x Fi(25) + IWRC | <br>6 x WS(26) + IWRC | <br>6 x 37 + IWRC |
| <br>6 x Fi(29) + IWRC | <br>6 x WS(31) + IWRC | <br>6 x WS(36) + IWRC | <br>6 x SES(37) + IWRC | <br>6 x WS(41) + IWRC | <br>7 x 7             | <br>7 x 19        |
| <br>7 x 37            | <br>8 x S(19)         | <br>8 x W(19)         | <br>8 x S(19) + IWRC   | <br>8 x W(19) + IWRC  | <br>8 x Fi(25) + IWRC | <br>7 x 7 x 7     |
|                                                                                                          | <br>17 x 7            | <br>19 x 7            | <br>35W x 7            | <br>1 x 7             | <br>1 x 19            |                                                                                                        |
|                                                                                                          | <br>1 x 37            | <br>3 x 7             | <br>1 + 7 x 7          | <br>1 + 12            | <br>8 x 7 + 1 x 19    |                                                                                                        |

**U.S.TYPE SCREW PIN ANCHOR SHACKLE**


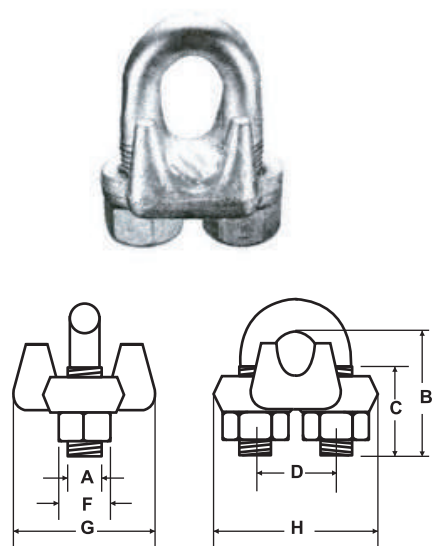
| Size<br>(in.) | WLL<br>(t) | Weight<br>(kg) | Dimensions (in.) |      |       |      |      |      |       |       |      |       |      |
|---------------|------------|----------------|------------------|------|-------|------|------|------|-------|-------|------|-------|------|
|               |            |                | A                | B    | C     | D    | E    | F    | G     | H     | L    | M     | P    |
| 1/2           | 2          | 0.29           | 0.81             | 0.64 | 1.87  | 0.50 | 1.31 | 1.19 | 2.31  | 3.28  | 0.31 | 2.87  | 0.50 |
| 5/8           | 3-1/4      | 0.63           | 1.06             | 0.75 | 2.38  | 0.63 | 1.69 | 1.56 | 2.93  | 4.16  | 0.45 | 3.54  | 0.63 |
| 3/4           | 4-3/4      | 1.02           | 1.26             | 0.87 | 2.81  | 0.75 | 2.00 | 1.81 | 3.50  | 4.97  | 0.51 | 4.17  | 0.81 |
| 7/8           | 6-1/2      | 1.53           | 1.44             | 0.99 | 3.32  | 0.87 | 2.28 | 2.09 | 4.03  | 5.83  | 0.51 | 4.65  | 0.97 |
| 1             | 8-1/2      | 2.41           | 1.69             | 1.10 | 3.76  | 1.00 | 2.69 | 2.38 | 4.69  | 6.56  | 0.57 | 5.29  | 1.06 |
| 1-1/8         | 9-1/2      | 3.08           | 1.81             | 1.25 | 4.25  | 1.16 | 2.91 | 2.69 | 5.16  | 7.47  | 0.64 | 6.00  | 1.25 |
| 1-1/4         | 12         | 4.30           | 2.04             | 1.37 | 4.69  | 1.29 | 3.25 | 3.00 | 5.75  | 8.25  | 0.70 | 6.69  | 1.38 |
| 1-3/8         | 13-1/2     | 6.00           | 2.25             | 1.50 | 5.26  | 1.42 | 3.63 | 3.31 | 6.38  | 9.16  | 0.76 | 7.41  | 1.50 |
| 1-1/2         | 17         | 7.79           | 2.38             | 1.65 | 5.74  | 1.54 | 3.88 | 3.63 | 6.88  | 10.00 | 0.82 | 7.97  | 1.62 |
| 1-3/4         | 25         | 13.00          | 2.88             | 2.01 | 7.00  | 1.75 | 5.00 | 4.17 | 8.86  | 12.35 | 0.87 | 9.29  | 2.25 |
| 2             | 35         | 19.50          | 3.25             | 2.24 | 7.78  | 2.01 | 5.75 | 4.76 | 9.97  | 13.69 | 0.94 | 10.57 | 2.40 |
| 2-1/2         | 55         | 38.00          | 4.13             | 2.76 | 10.51 | 2.48 | 7.24 | 5.98 | 12.20 | 17.36 | 1.39 | 13.43 | 2.48 |

**U.S.TYPE SAFETY PIN ANCHOR SHACKLE**


| Size  | WLL    | Weight | Dimensions (in.) |      |       |      |      |      |       |       |      |       |
|-------|--------|--------|------------------|------|-------|------|------|------|-------|-------|------|-------|
| (in.) | (t)    | (kg)   | A                | B    | C     | D    | E    | F    | H     | L     | N    | P     |
| 1/2   | 2      | 0.36   | 0.81             | 0.63 | 1.87  | 0.50 | 1.31 | 1.19 | 3.28  | 2.31  | 0.50 | 3.07  |
| 5/8   | 3-1/4  | 0.76   | 1.06             | 0.79 | 2.36  | 0.63 | 1.69 | 1.56 | 4.16  | 2.93  | 0.63 | 3.74  |
| 3/4   | 4-3/4  | 1.23   | 1.26             | 0.87 | 2.82  | 0.75 | 2.00 | 1.81 | 4.97  | 3.50  | 0.81 | 4.25  |
| 7/8   | 6-1/2  | 1.79   | 1.44             | 0.98 | 3.32  | 0.87 | 2.28 | 2.09 | 5.83  | 4.03  | 0.97 | 4.96  |
| 1     | 8-1/2  | 2.56   | 1.69             | 1.10 | 3.76  | 1.00 | 2.69 | 2.38 | 6.56  | 4.69  | 1.06 | 5.55  |
| 1-1/8 | 9-1/2  | 3.75   | 1.81             | 1.26 | 4.25  | 1.16 | 2.91 | 2.69 | 7.47  | 5.16  | 1.25 | 5.98  |
| 1-1/4 | 12     | 5.30   | 2.04             | 1.38 | 4.69  | 1.29 | 3.25 | 3.00 | 8.25  | 5.75  | 1.38 | 6.61  |
| 1-3/8 | 13-1/2 | 7.17   | 2.25             | 1.50 | 5.26  | 1.42 | 3.63 | 3.31 | 9.16  | 6.38  | 1.50 | 7.22  |
| 1-1/2 | 17     | 9.42   | 2.38             | 1.65 | 5.74  | 1.54 | 3.88 | 3.63 | 10.00 | 6.88  | 1.62 | 7.76  |
| 1-3/4 | 25     | 14.00  | 2.88             | 2.00 | 7.01  | 1.75 | 5.00 | 4.17 | 12.35 | 8.86  | 2.25 | 9.09  |
| 2     | 35     | 22.00  | 3.25             | 2.24 | 7.78  | 2.01 | 5.75 | 4.76 | 13.69 | 9.97  | 2.40 | 10.35 |
| 2-1/2 | 55     | 44.50  | 4.13             | 2.76 | 10.51 | 2.48 | 7.24 | 5.98 | 17.36 | 12.20 | 2.48 | 14.33 |

## WIRE ROPE CLIP

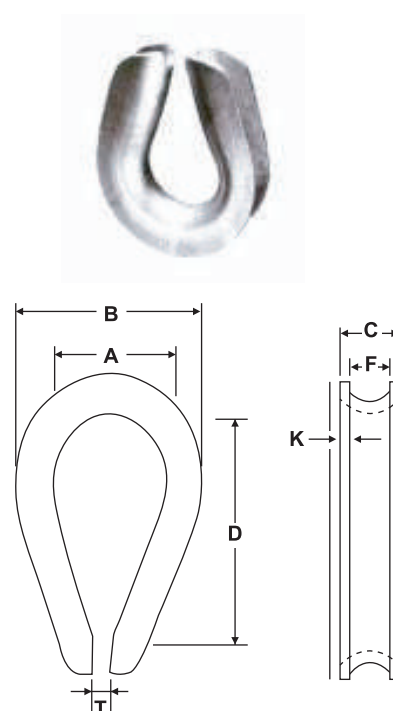
### DROP FORGED U.S. TYPE WIRE ROPE CLIP (G450 TYPE)



| Size<br>(in) | Dimensions (in.) |      |      |      |      |      |      |      | Weight<br>(kg) |
|--------------|------------------|------|------|------|------|------|------|------|----------------|
|              | A                | B    | C    | D    | E    | F    | G    | H    |                |
| 1/8          | 0.22             | 0.72 | 0.44 | 0.47 | 0.41 | 0.38 | 0.81 | 0.94 | 0.023          |
| 3/16         | 0.25             | 0.97 | 0.56 | 0.59 | 0.50 | 0.44 | 0.94 | 1.16 | 0.045          |
| 1/4          | 0.31             | 1.03 | 0.50 | 0.75 | 0.66 | 0.56 | 1.19 | 1.44 | 0.073          |
| 5/16         | 0.38             | 1.38 | 0.75 | 0.88 | 0.72 | 0.69 | 1.31 | 1.69 | 0.140          |
| 3/8          | 0.44             | 1.50 | 0.75 | 1.00 | 0.91 | 0.75 | 1.63 | 1.94 | 0.209          |
| 7/16         | 0.50             | 1.88 | 1.00 | 1.19 | 1.03 | 0.88 | 1.81 | 2.28 | 0.284          |
| 1/2          | 0.50             | 1.88 | 1.00 | 1.19 | 1.13 | 0.88 | 1.91 | 2.28 | 0.294          |
| 9/16         | 0.56             | 2.25 | 1.25 | 1.31 | 1.22 | 0.94 | 2.06 | 2.50 | 0.425          |
| 5/8          | 0.56             | 2.38 | 1.25 | 1.31 | 1.34 | 0.94 | 2.06 | 2.50 | 0.470          |
| 3/4          | 0.62             | 2.75 | 1.44 | 1.50 | 1.41 | 1.06 | 2.25 | 2.84 | 0.680          |
| 7/8          | 0.75             | 3.12 | 1.62 | 1.75 | 1.59 | 1.25 | 2.44 | 3.16 | 1.110          |
| 1            | 0.75             | 3.50 | 1.81 | 1.88 | 1.78 | 1.25 | 2.63 | 3.47 | 1.220          |
| 1.1/8        | 0.75             | 3.88 | 2.00 | 2.00 | 1.91 | 1.25 | 2.81 | 3.59 | 1.410          |
| 1.1/4        | 0.88             | 4.25 | 2.13 | 2.31 | 2.19 | 1.44 | 3.13 | 4.13 | 2.090          |
| 1.3/8        | 0.88             | 4.63 | 2.31 | 2.38 | 2.31 | 1.44 | 3.13 | 4.19 | 2.360          |
| 1.1/2        | 0.88             | 4.94 | 2.38 | 2.59 | 2.44 | 1.44 | 3.41 | 4.44 | 2.678          |
| 2            | 1.25             | 6.44 | 3.00 | 3.38 | 3.28 | 1.81 | 4.44 | 5.88 | 6.080          |

### EXTRA HEAVY DUTY WIRE ROPE CLIP (G414 TYPE)

| Size<br>(in.) | Dimensions(mm) |     |      |     |     |      |     |    |     | Weight<br>(kg) |
|---------------|----------------|-----|------|-----|-----|------|-----|----|-----|----------------|
| A             | B              | C   | D    | E   | F   | R    | T   | K  |     |                |
| 1/4           | 22             | 38  | 10.3 | 41  | 55  | 6.3  | 3   | 3  | 2   | 0.034          |
| 5/16          | 27             | 46  | 13   | 48  | 64  | 8    | 3   | 4  | 2.5 | 0.0635         |
| 3/8           | 29             | 54  | 16   | 54  | 73  | 10   | 4   | 5  | 3   | 0.115          |
| 7/16          | 32             | 60  | 19   | 60  | 82  | 12   | 4.5 | 6  | 3.5 | 0.165          |
| 1/2           | 38             | 70  | 21   | 70  | 92  | 13   | 5.5 | 7  | 4   | 0.231          |
| 9/16          | 38             | 70  | 23   | 70  | 92  | 15   | 5.5 | 7  | 4   | 0.231          |
| 5/8           | 44             | 79  | 25   | 82  | 108 | 17   | 7   | 8  | 4   | 0.340          |
| 3/4           | 51             | 97  | 31   | 95  | 127 | 19   | 8   | 9  | 6   | 0.670          |
| 7/8           | 57             | 108 | 35   | 108 | 140 | 23   | 9   | 10 | 6   | 0.840          |
| 1             | 64             | 125 | 39   | 115 | 152 | 25   | 10  | 11 | 7   | 1.350          |
| 1.1/8-1.1/4   | 73             | 149 | 47   | 130 | 177 | 33   | 11  | 12 | 7   | 1.800          |
| 1.1/4-1.3/8   | 89             | 173 | 57   | 165 | 230 | 37   | 12  | 13 | 10  | 3.700          |
| 1.3/8-1.1/2   | 89             | 181 | 66.6 | 168 | 239 | 38.6 | 13  | 14 | 14  | 5.650          |
| 1.5/8         | 102            | 206 | 74   | 203 | 285 | 42   | 14  | 15 | 16  | 9.450          |
| 1.3/4         | 114            | 216 | 77   | 228 | 309 | 45   | 15  | 16 | 16  | 10.180         |
| 1.7/8-2       | 152            | 263 | 83   | 305 | 384 | 51   | 15  | 18 | 16  | 13.600         |
| 2.1/4         | 178            | 302 | 96   | 356 | 435 | 60   | 16  | 20 | 18  | 19.300         |
| 2.1/2         | 185            | 315 | 105  | 370 | 460 | 66   | 17  | 22 | 20  | 24.800         |
| 3             | 255            | 405 | 130  | 487 | 602 | 90   | 19  | 25 | 20  | 39.500         |



## CD UNIVERSAL PLATE CLAMP

### WORKING LOAD LIMIT (WLL) 0.5 – 30 TON

- For lifting and transporting steel plates and structures from all positions (horizontal, vertical and sidelong).
- Articulated lifting shackle.
- CD lifting clamps are equipped with a pre-tension mechanism ensuring the clamp does not slip when lifting force is applied and when load is being lowered.
- The clamp is locked in closed as well as in open position.
- Minimum W.L.L. is 10% of the maximum W.L.L.

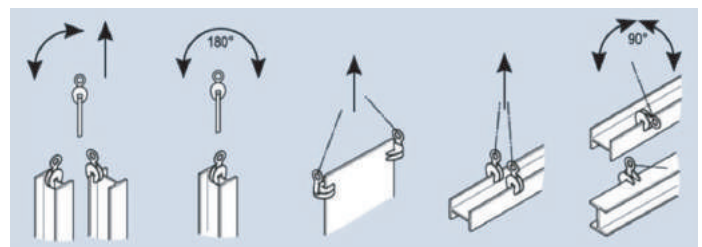
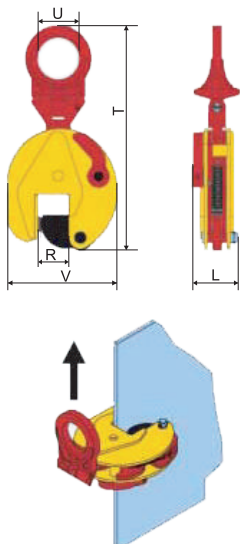
NB: The plate surface of the material must have a hardness level Below HRC30/Brinell300

### INSPECTION, CARE & USE

- DO NOT lift load less more than 10% of working load limit of clam
- DO NOT lift plates with a temperature greater than 100°C
- DO NOT use to lift stainless steel, lead or copper.



**LIFTING LONG PLATE  
WITH A 2 LEGGED  
CHAIN SLING**



| Code  | Model  | Jaw opening (mm) | WLL (t) | T   | Dimensions (mm) |     |     | Weight (kg) |
|-------|--------|------------------|---------|-----|-----------------|-----|-----|-------------|
|       |        |                  |         |     | U               | V   | V   |             |
| 90301 | CD0.5T | 0-15             | 0.5     | 205 | 30              | 105 | 48  | 2           |
| 90303 | CD1T   | 0-20             | 1.0     | 300 | 50              | 145 | 66  | 5           |
| 90305 | CD2T   | 0-25             | 2.0     | 385 | 68              | 175 | 75  | 8           |
| 90307 | CD3.2T | 0-30             | 3.2     | 430 | 75              | 215 | 102 | 15          |
| 90309 | CD5T   | 0-50             | 5.0     | 500 | 68              | 232 | 112 | 23          |
| 90310 | CD8T   | 0-45             | 8.0     | 600 | 88              | 290 | 125 | 37          |
| 90311 | CD12T  | 50-90            | 12.0    | 700 | 90              | 420 | 128 | 50          |
| 90312 | CD16T  | 60-100           | 16.0    | 710 | 100             | 445 | 128 | 65          |
| 90313 | CD20T  | 0-80             | 20.0    | 948 | 100             | 563 | 140 | 160         |
| 90314 | CD30T  | 10-90            | 30.0    | 944 | 100             | 568 | 142 | 167         |

## CDE PLATE CLAMP WITH SAFETY LOCK

### WORKING LOAD LIMIT (WLL) 0.5-30 TON

- For vertical lifting and transporting of steel plates and structures.
- CDE lifting clamps are equipped with a pre-tension mechanism ensuring the clamp does not slip when lifting force is applied and when load is being lowered.
- The clamp is locked in closed as well as in open position.
- Minimum W.L.L. is 10 % of the maximum W.L.L.

NB: The plate surface of the material must have a hardness level below HRC30/Brinell 300

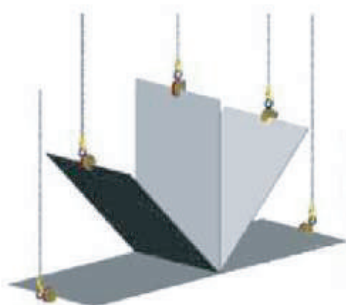
### INSPECTION, CARE & USE

DO NOT side load clamp more than 15 for side loading

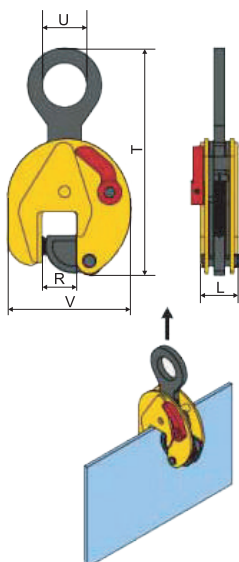
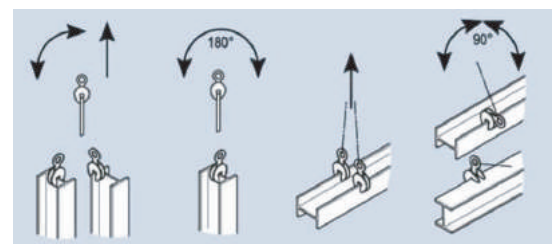
DO NOT lift plates with a temperature greater than 100°C

DO NOT use to lift stainless steel, lead or copper.

DO NOT use on a double, triple, or quad sling. When using two clamps to lift a steel plate, a lifting beam must be used between the two clamps, so the clamps operate in a vertical position.



**TURNING THE PLATE  
FROM HORIZONTAL  
TO VERTICAL & VICE VERSA.**



| Code  | Model   | Jaw opening (mm) | WLL (t) | Dimensions(mm) |     |     |     | Weight (kg) |
|-------|---------|------------------|---------|----------------|-----|-----|-----|-------------|
|       |         |                  |         | T              | U   | V   | V   |             |
| 90601 | CDE0.5T | 0-15             | 0.5     | 205            | 30  | 105 | 48  | 1.75        |
| 90603 | CDE1T   | 0-20             | 1.0     | 210            | 35  | 102 | 55  | 2.00        |
| 90605 | CDE2T   | 0-20             | 2.0     | 270            | 40  | 140 | 75  | 5.10        |
| 90607 | CDE3.2T | 0-30             | 3.2     | 425            | 75  | 215 | 102 | 13.60       |
| 90609 | CDE5T   | 0-50             | 5.0     | 480            | 80  | 232 | 112 | 19.50       |
| 90610 | CDE8T   | 0-45             | 8.0     | 600            | 88  | 290 | 125 | 34.00       |
| 90611 | CDE12T  | 50-90            | 12.0    | 700            | 90  | 420 | 128 | 50.00       |
| 90612 | CDE16T  | 60-100           | 16.0    | 710            | 100 | 445 | 128 | 65.00       |
| 90613 | CDE20T  | 0-80             | 20.0    | 948            | 100 | 563 | 140 | 160.00      |
| 90614 | CDE30T  | 10-90            | 30.0    | 944            | 100 | 568 | 142 | 167.00      |

## TMS HORIZONTAL PLATE CLAMP WITH SAFETY LOCK

### WORKING LOAD LIMIT (WLL) 0.5 – 5 TON

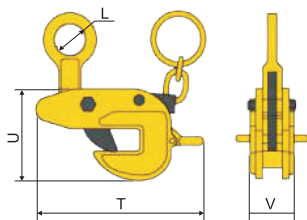
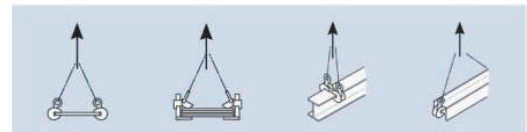
TMS Horizontal lifting clamps for dimensionally stable sheets, sheet stacks and profiles. With safety-latch system: can be locked closed.

Used for handling girders in pairs, for handling sheets and bundles of sheets, sling with three clamps or more.

NB: The plate surface of the material must have a hardness level below HRC30/Brinel30

### INSPECTION, CARE & USE

DO NOT lift plates with a temperature greater than 100°C



| Code  | Model   | Jaw opening (mm) | WLL (t) | Dimensions (mm) |     |     |    | Weight (kg) |
|-------|---------|------------------|---------|-----------------|-----|-----|----|-------------|
|       |         |                  |         | T               | U   | V   | L  |             |
| 80301 | TMS0.5T | 0-25             | 0.5     | 235             | 122 | 54  | 44 | 3.2         |
| 80302 | TMS1T   | 0-25             | 1.0     | 262             | 155 | 60  | 50 | 5.3         |
| 80303 | TMS2T   | 0-30             | 2.0     | 280             | 177 | 72  | 56 | 7.9         |
| 80304 | TMS3T   | 0-38             | 3.0     | 315             | 209 | 88  | 58 | 10.5        |
| 80305 | TMS5T   | 0-40             | 5.0     | 300             | 261 | 104 | 60 | 27.6        |

## TCH INDUSTRY STANDARD HORIZONTAL PLATE CLAMP

### WORKING LOAD LIMIT (WLL) 0.5 – 30 TON

The TCH horizontal plate clamps have been specifically designed to be used, in pairs, for the transportation of plate bundles as well as single plates with a minimum thickness of 5 mm.

A pair of clamps used with a two-legged chain sling are suitable for small plates up to 1,500 mm in length. It is recommended to use two pairs in conjunction with a spreader beam for handling of larger plates. These units are supplied as standard with a smooth jaw. There is also the option of hardened steel teeth for special applications.

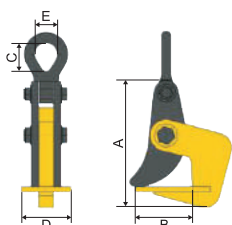
Please contact our technical department for further details.

NB: The top angle between the chain / rope legs must not exceed 45 degree from vertical

### INSPECTION, CARE & USE

DO NOT side load TCH clamps

DO NOT use on a quad sling. When lifting long plates, use a beam or spreader bar that has a double leg sling at each end and connect clamps to the slings.



| Code  | Model   | Jaw opening (mm) | WLL (t) | Dimensions(mm) |     |     |     |     | Weight (kg) |
|-------|---------|------------------|---------|----------------|-----|-----|-----|-----|-------------|
|       |         |                  |         | A              | B   | C   | D   | E   |             |
| 30251 | TCH1T   | 5-32             | 1       | 245            | 110 | 44  | 100 | 32  | 6.0         |
| 30252 | TCH2T   | 5-32             | 2       | 220            | 88  | 73  | 100 | 50  | 5.4         |
| 30253 | TCH4T   | 5-50             | 4       | 265            | 118 | 92  | 100 | 64  | 10.0        |
| 30254 | TCH6T   | 5-75             | 6       | 350            | 172 | 130 | 130 | 90  | 24.5        |
| 30255 | TCH8T   | 5-75             | 8       | 350            | 172 | 130 | 130 | 90  | 26.5        |
| 30256 | TCH10T  | 5-100            | 10      | 470            | 215 | 130 | 150 | 114 | 48.0        |
| 30257 | TCH10TL | 50-150           | 10      | 510            | 215 | 130 | 150 | 114 | 52.0        |

## THK/THKS HORIZONTAL PLATE CLAMP

### WORKING LOAD LIMIT (WLL) 0.5 – 10 TON

The Model THK is a horizontal lifting clamp intended to be used in pairs, sets of pairs, or in a tripod arrangement for transporting steel plates horizontal. Horizontal lifting clamp for handling inherently stacked bundles of sheets and steel plates.

The lifting clamps are fastened to suitable slings and attached at three or more points on the load being handled.

The THK has a larger jaw opening.

With long loads, we recommend using a spreader beam.

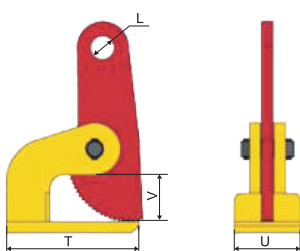
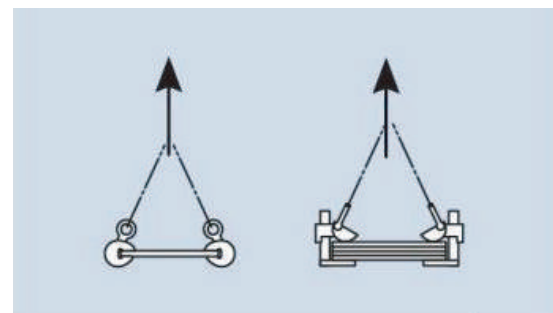
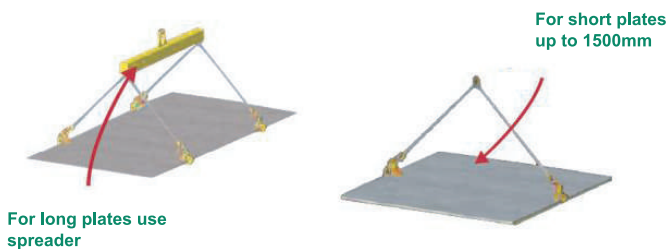
NB: The plate surface of the material must have a hardness level below HRC30/Brinell 300



### INSPECTION, CARE & USE

DO NOT side load THK/THKS clamps.

DO NOT use on a quad sling. When lifting long plates, use a beam or Spreader bar that has a double leg sling at each end and connect clamps to the slings.



| Code  | Model    | Jaw opening (mm) | WLL (t) | Dimensions (mm) |     |     |    | Weight (kg) |
|-------|----------|------------------|---------|-----------------|-----|-----|----|-------------|
|       |          |                  |         | T               | U   | V   | L  |             |
| 50201 | THKS0.5T | 0-35             | 0.5     | 165             | 60  | 43  | 25 | 3.1         |
| 50202 | THKS1T   | 0-60             | 1.0     | 180             | 80  | 68  | 25 | 6.0         |
| 50203 | THKS1.5T | 0-60             | 1.5     | 180             | 80  | 68  | 25 | 6.5         |
| 50204 | THKS2T   | 0-60             | 2.0     | 180             | 80  | 68  | 25 | 75.0        |
| 50206 | THKS3T   | 0-60             | 3.0     | 220             | 90  | 80  | 30 | 10.0        |
| 50207 | THKS4T   | 0-60             | 4.0     | 220             | 90  | 70  | 30 | 11.5        |
| 50208 | THKS5T   | 0-60             | 5.0     | 220             | 110 | 74  | 30 | 15.5        |
| 50209 | THKS10T  | 0-60             | 10.0    | 220             | 130 | 78  | 40 | 23.0        |
| 50301 | THK1T    | 0-100            | 0.5     | 180             | 80  | 120 | 25 | 7.0         |
| 50302 | THK1 5T  | 0-100            | 1.5     | 180             | 80  | 120 | 25 | 7.5         |
| 50303 | THK2T    | 0-100            | 2.0     | 180             | 80  | 120 | 30 | 9.5         |
| 50304 | THK3T    | 0-100            | 3.0     | 220             | 90  | 120 | 30 | 12.0        |
| 50305 | THK4T    | 0-100            | 4.0     | 220             | 90  | 120 | 30 | 14.5        |
| 50306 | THK5T    | 0-100            | 5.0     | 220             | 110 | 123 | 45 | 20.0        |
| 50307 | THK10T   | 0-100            | 10.0    | 220             | 125 | 120 | 45 | 28.0        |

## LIFTING CLAMP

| Type      | Vertical Clamp                                                                    |                                                                                   |                                                                                    |                                                                                     |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Model     | CDH                                                                               | SCDH                                                                              | STC                                                                                | TBK                                                                                 |
| Product   |  |  |  |  |
| WLL Range | 0.8ton - 30ton                                                                    | 1ton - 5ton                                                                       | 1.5ton - 3ton                                                                      | 1.5ton - 3ton                                                                       |

| Type      | Horizontal clamp                                                                   |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |
|-----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Model     | HPC                                                                                | LC                                                                                 | PDB                                                                                | PDK                                                                                 | TDL                                                                                  | TMC                                                                                  |
| Product   |  |  |  |  |  |  |
| WLL Range | 1.5ton - 9ton                                                                      | 1ton - 3ton                                                                        | 0.5ton - 30ton                                                                     | 3ton - 15ton                                                                        | 1ton - 6ton                                                                          | 0.5ton - 5ton                                                                        |

| Type      | Specific purpose                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Model     | DK                                                                                  | DM/DG                                                                               | DR                                                                                  | JS                                                                                  | LR/LH                                                                                | MG                                                                                    | PLC                                                                                   | PLG                                                                                   |
| Product   |  |  |  |  |  |  |  |  |
| WLL Range | 1ton - 5ton                                                                         | -                                                                                   | -                                                                                   | 3ton - 5ton                                                                         | 0.5ton                                                                               | 1500lbs                                                                               | -                                                                                     | 1.5ton - 3ton                                                                         |

| Type      | Specific purpose                                                                    |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Model     | RC                                                                                  | SL                                                                                  | TDC                                                                                 | TDV                                                                                  | TPH                                                                                   | YG                                                                                    |
| Product   |  |  |  |  |  |  |
| WLL Range | 2ton - 4ton                                                                         | 1ton                                                                                | 0.5ton                                                                              | 0.6ton                                                                               | 1.5ton - 18ton                                                                        | 0.5ton - 5ton                                                                         |

## SNATCH BLOCK

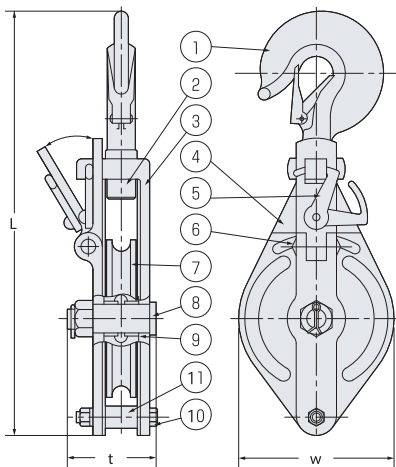


Hook, 1 Sheave

Hook, 2 Sheave

Eye, 1 Sheave

Eye, 2 Sheave



| No. | Component    | Material   | Note                                              |
|-----|--------------|------------|---------------------------------------------------|
| 1   | Hook (Eye)   | S25C/SS400 | forging                                           |
| 2   | Round Nut    | SS400      |                                                   |
| 3   | Frame        | SS400      | forging                                           |
| 4   | Side plate   | SPHC       |                                                   |
| 5   | Hook stopper | SPHC       |                                                   |
| 6   | Pin          | SS400      |                                                   |
| 7   | Sheave       | FC20       |                                                   |
| 8   | Pin          | SS400/S45C | Carburized quenching/quenching by high frequency. |
| 9   | Bush         | SGP/BC-6   | Carburized quenching/quenching by high frequency. |
| 10  | Bolt         | SS400      |                                                   |
| 11  | Pipe         | SGP        |                                                   |

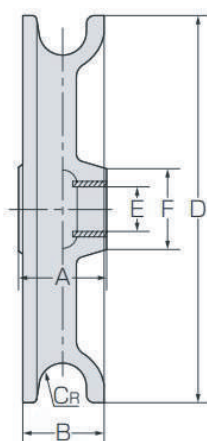
### “ALPS” SNATCH BLOCK

| Sheave (mm) | Max. rope (mm) | Pin (mm) | WLL (t) | Sheave Qty | Dimensions (mm) |     |     | Weight (kg) |
|-------------|----------------|----------|---------|------------|-----------------|-----|-----|-------------|
|             |                |          |         |            | L               | W   | t   |             |
| 75          | 3"             | 10       | 0.5     | 1          | 240             | 76  | 53  | 1.2         |
|             |                |          |         | 2          | 277             | 76  | 87  | 1.8         |
| 100         | 4"             | 12       | 0.75    | 1          | 300             | 114 | 61  | 2.2         |
|             |                |          |         | 2          | 331             | 114 | 102 | 3           |
| 130         | 5"             | 13       | 1.5     | 1          | 356             | 132 | 70  | 4           |
|             |                |          |         | 2          | 393             | 132 | 116 | 6           |
| 150         | 6"             | 16       | 2.5     | 1          | 427             | 160 | 89  | 7.4         |
|             |                |          |         | 2          | 466             | 160 | 135 | 10.5        |
| 180         | 7"             | 19       | 3       | 1          | 490             | 192 | 100 | 10.5        |
|             |                |          |         | 2          | 531             | 192 | 154 | 15.5        |
| 200         | 8"             | 20       | 4       | 1          | 537             | 210 | 112 | 14.5        |
|             |                |          |         | 2          | 586             | 210 | 164 | 20          |

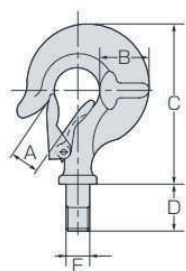
Front

Side

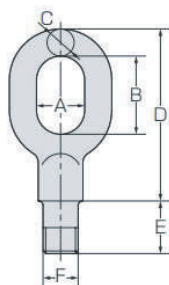


**"ALPS" SHEAVE BLOCK**


| Sheave dia | Max. rope | A  | B    | C  | D   | E   | F  |
|------------|-----------|----|------|----|-----|-----|----|
| 1-2 sheave |           |    |      |    |     |     |    |
| 75         | 3"        | 10 | 21   | 19 | 5   | 75  | 13 |
| 100        | 4"        | 12 | 24.5 | 23 | 6   | 100 | 16 |
| 130        | 5"        | 13 | 28.5 | 27 | 6.5 | 127 | 19 |
| 150        | 6"        | 16 | 33.5 | 32 | 8   | 150 | 27 |
| 180        | 7"        | 19 | 38   | 36 | 9.5 | 177 | 30 |
| 200        | 8"        | 20 | 41   | 39 | 10  | 200 | 37 |

**Hook Dimension**


| Size (mm) | Dimensions (mm) |    |     |    |      |
|-----------|-----------------|----|-----|----|------|
|           | A               | B  | C   | D  | E    |
| 75        | 13              | 27 | 85  | 22 | W1/2 |
| 100       | 19              | 32 | 101 | 29 | M16  |
| 130       | 24              | 37 | 128 | 34 | M20  |
| 150       | 26              | 48 | 147 | 41 | M24  |
| 180       | 25              | 56 | 163 | 49 | M27  |
| 200       | 33              | 63 | 192 | 53 | M30  |

**Eye Dimension**


| Size (mm) | Dimensions (mm) |    |    |     |    |      | WLL (t) |
|-----------|-----------------|----|----|-----|----|------|---------|
|           | A               | B  | C  | D   | E  | F    |         |
| 75        | 23              | 34 | 12 | 76  | 22 | W1/2 | 0.5     |
| 100       | 28              | 42 | 15 | 95  | 29 | M16  | 0.75    |
| 130       | 36              | 55 | 18 | 119 | 38 | M20  | 1.5     |
| 150       | 38              | 60 | 24 | 134 | 44 | M24  | 2.5     |
| 180       | 44              | 68 | 27 | 151 | 48 | M27  | 3       |
| 200       | 50              | 80 | 31 | 173 | 54 | M30  | 4       |

Hook, 1 Sheave

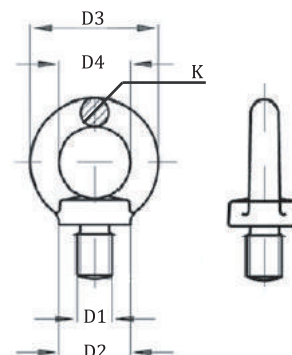


Eye, 1 Sheave


**"SBK" SNATCH BLOCK**

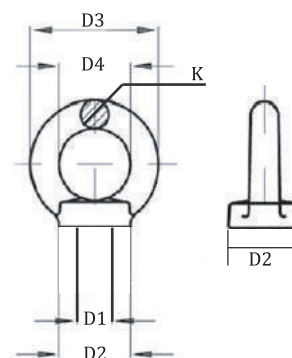
| Sheave dia<br>(mm) |     | For rope<br>(mm) | Pin<br>(mm) | WLL<br>(t) | Sheave | Head Type | L<br>(mm) | W<br>(mm) | t<br>(mm) | Weight<br>(kg) |
|--------------------|-----|------------------|-------------|------------|--------|-----------|-----------|-----------|-----------|----------------|
| 250                | 10" | 18-22            | 38          | 4          | 1      | Hook      | 645       | 265       | 135       | 28.5           |
|                    |     |                  |             |            |        | Eye       | 606       | 265       | 135       | 26             |
| 300                | 12" | 20-24            | 42          | 6          | 1      | Hook      | 774       | 315       | 152       | 47             |
|                    |     |                  |             |            |        | Eye       | 693       | 315       | 152       | 41             |

## EYE BOLT & EYE NUT



### DIN580 EYE BOLT

| Screws Size<br>(d) | K  | d1 | d2  | d3  | d4  | WLL<br>(t) |
|--------------------|----|----|-----|-----|-----|------------|
| M8                 | 8  | 8  | 20  | 36  | 20  | 0.14       |
| M10                | 10 | 10 | 25  | 45  | 25  | 0.23       |
| M12                | 12 | 12 | 30  | 54  | 30  | 0.34       |
| M16                | 14 | 16 | 35  | 63  | 35  | 0.70       |
| M20                | 16 | 20 | 40  | 72  | 40  | 1.20       |
| M22                | 18 | 22 | 45  | 81  | 45  | 1.50       |
| M24                | 20 | 24 | 50  | 90  | 50  | 1.80       |
| M27                | 22 | 28 | 55  | 100 | 54  | 2.50       |
| M30                | 24 | 30 | 65  | 108 | 60  | 3.20       |
| M36                | 28 | 36 | 75  | 126 | 70  | 5.10       |
| M42                | 32 | 42 | 85  | 144 | 80  | 7.00       |
| M48                | 38 | 48 | 100 | 166 | 90  | 8.60       |
| M56                | 42 | 56 | 110 | 184 | 100 | 11.50      |
| M64                | 48 | 64 | 120 | 206 | 110 | 16.00      |
| M72                | 60 | 76 | 150 | 260 | 140 | 21.00      |
| M80                | 68 | 86 | 170 | 296 | 160 | 28.00      |



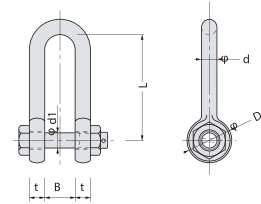
### DIN582 EYE NUT

| Screws Size<br>(d) | K  | d1  | d2 | d3  | d4 | WLL<br>(t) |
|--------------------|----|-----|----|-----|----|------------|
| M8                 | 8  | 8.5 | 20 | 36  | 20 | 0.14       |
| M10                | 10 | 10  | 25 | 45  | 25 | 0.23       |
| M12                | 12 | 11  | 30 | 54  | 30 | 0.34       |
| M16                | 14 | 13  | 35 | 63  | 35 | 0.70       |
| M20                | 16 | 16  | 40 | 72  | 40 | 1.20       |
| M22                | 18 | 18  | 45 | 81  | 45 | 1.50       |
| M24                | 20 | 20  | 50 | 90  | 50 | 1.80       |
| M27                | 20 | 20  | 50 | 90  | 50 | 2.50       |
| M30                | 24 | 25  | 60 | 108 | 60 | 3.20       |
| M33                | 24 | 25  | 60 | 108 | 60 | 4.30       |
| M36                | 28 | 30  | 70 | 126 | 70 | 5.10       |

## LONG SHACKLE



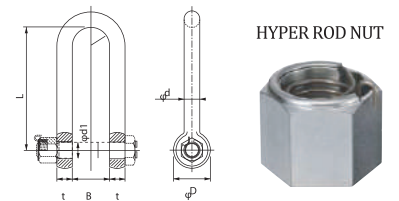
### STRONG LONG SHACKLE SAFETY PIN TYPE



| t*d | WLL |       | Dimensions (mm) |    |     |    | Weight (kg) |
|-----|-----|-------|-----------------|----|-----|----|-------------|
|     | tf  | kN    | B               | D  | L   | d1 |             |
| 16  | 2.5 | 24.5  | 40              | 40 | 140 | 16 | 0.82        |
| 19  | 4   | 39.2  | 50              | 45 | 160 | 20 | 1.5         |
| 19  | 4   | 39.2  | 50              | 45 | 200 | 20 | 1.7         |
| 22  | 6   | 58.8  | 50              | 51 | 170 | 22 | 2.1         |
| 22  | 6   | 58.8  | 50              | 51 | 250 | 22 | 2.6         |
| 25  | 8   | 78.4  | 50              | 57 | 200 | 25 | 3.0         |
| 25  | 8   | 78.4  | 50              | 57 | 250 | 25 | 3.4         |
| 32  | 10  | 98    | 64              | 73 | 320 | 32 | 6.8         |
| 38  | 14  | 137.2 | 76              | 88 | 350 | 38 | 10.5        |
| 38  | 14  | 137.2 | 76              | 88 | 450 | 38 | 12.0        |



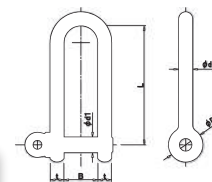
### STRONG LONG SHACKLE HYPER TYPE



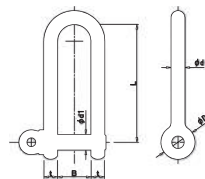
| t*d | WLL |      | Dimensions (mm) |    |     |    | Screw size | Weight (kg) |
|-----|-----|------|-----------------|----|-----|----|------------|-------------|
|     | tf  | kN   | B               | D  | L   | d1 |            |             |
| 16  | 2.5 | 24.5 | 40              | 40 | 140 | 16 | M16        | 0.82        |
| 19  | 4   | 39.2 | 50              | 45 | 160 | 20 | M20        | 1.5         |
| 22  | 6   | 58.8 | 50              | 51 | 170 | 22 | M20        | 2.1         |



### STRONG LONG SHACKLE SCREW PIN TYPE



| t*d | WLL |      | Dimensions (mm) |    |     |    | Pin size | Weight (kg) |
|-----|-----|------|-----------------|----|-----|----|----------|-------------|
|     | tf  | kN   | B               | D  | L   | d1 |          |             |
| 16  | 2.5 | 24.5 | 40              | 40 | 140 | 19 | W3/4     | 0.9         |
| 19  | 4.0 | 39.2 | 50              | 45 | 160 | 22 | W7/8     | 1.6         |



### STRONG LONG SHACKLE NON-REMOVABLE SCREW TYPE



| t*d | WLL |      | Dimensions (mm) |    |     |      | Pin size | Weight (kg) |
|-----|-----|------|-----------------|----|-----|------|----------|-------------|
|     | tf  | kN   | B               | D  | L   | d1   |          |             |
| 16  | 2.5 | 24.5 | 40              | 38 | 140 | 18.1 | W3/4     | 1.3         |
| 19  | 4.0 | 39.2 | 50              | 45 | 160 | 20.5 | W7/8     | 1.5         |



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