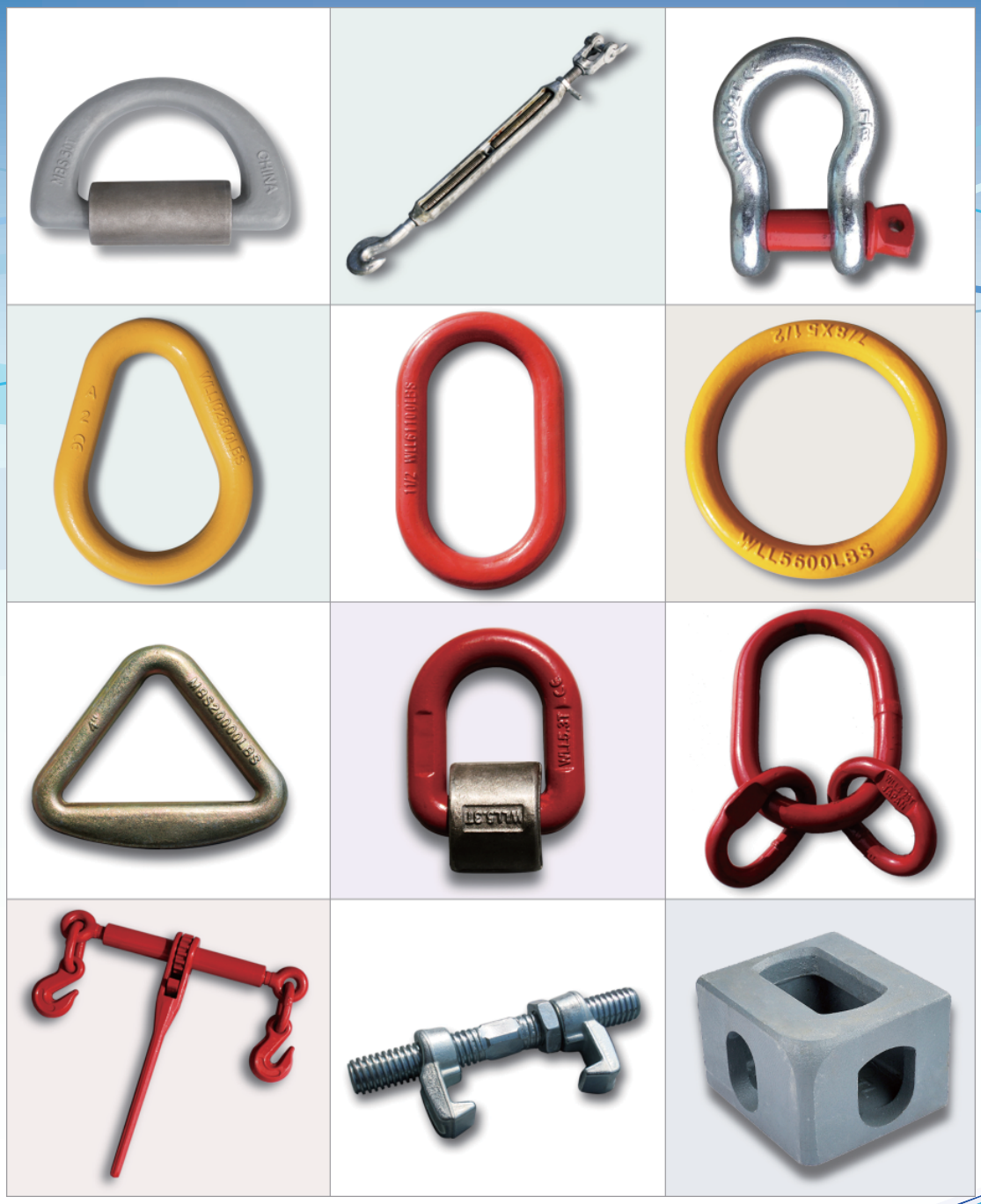



# 青岛塔元锻造有限公司

# Qingdao Tawan Forging Co., Ltd

中国 • 青岛

Qingdao•China

# 公司简介

青岛塔元锻造有限公司始建于 1988 年，前身为即墨塔元紧固件厂，现位于青岛即墨区泰山一路 78 号。公司注册资金 200 万，占地 15000 余平方。

公司专注于圆环类索具锻造，并设计、开发、生产各种吊装、起重索具、标准件、汽车工程配件、集装箱绑扎件。

拥有轴承加工生产线四条，代加工各种轴承零件毛坯。

拥有完善的自由锻、加工、热处理生产线，生产各种规格、各种材质的自由锻件，且加工及热处理与一体。承接自由锻锻件加工及热处理业务。

公司产品质量过硬，交货及时，价格公道合理，欢迎新老客户莅临指导，共谋发展大计！

# Introduction

Qingdao Tawan Forging Co., Ltd founed in 1988, formerly konwn as Tawan Fastener Factory, is located in Qingdao jimo taishan 78 all the way. The company registered of 2 million yuan, Covers an area of 15000 $m^2$.

Company focus on the circle calss rigging forging, and the design, development,Producation all kinds of hoisting, Lifting rigging,standard parts,Automotive engineering accessores, Container Fixed & Loose Fittings.

Has 4 bearing processing line,processing various bearing parts.

Has perfect free forging, machining,heart treatment production lines,producaction of various specifications, All kinds of free forging, and maching and heat treatment.

Company product quality, Timely delivery and reasonable price is reasionable,Welcome new and old customers to visit and seek common development plans!

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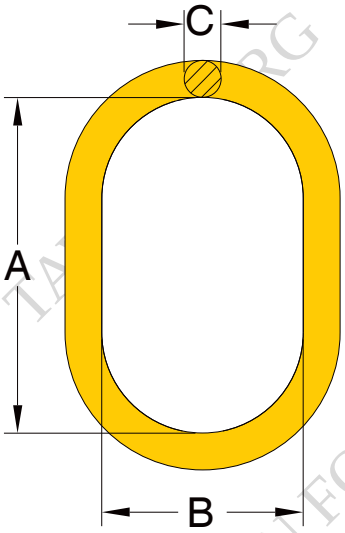

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# G80 MASTER LINK 80 级起重强力环




TAWAN-001

- Forged supper alloy steel -Quenched and Temperated.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- individually prooof test at 2 times Working Load Limit.
  逐件按工作拉力的 2 倍进行验证测试。
- Breakage test
  对每一批次产品进行严格的抽样破断测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003。
- All sizes are forged.
  所有规格均为锻造。
- ALL SIZE: There will be pressing flat only on request.
  所有规格：仅在客户有明确要求的情况下才有压扁。




## G80 FORGED MASTER LINK 美标 80 级锻造强力环

| Size | | Stock No. | Weight Each (lbs.) | Working Load Limit (lbs.)* | Proof Load (lbs.)** | Dimensions (mm) | | |
|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | | A | B | C |
| 1/2 | 13 | 1001012 | 1.3 | 7400 | 17200 | 127 | 63.5 | 13 |
| 5/8 | 16 | 1001058 | 1.5 | 9000 | 18000 | 152 | 76 | 16 |
| 3/4 | 19 | 1001034 | 2.0 | 12300 | 28400 | 140 | 70 | 19 |
| 7/8 | 22 | 1001078 | 3.3 | 15200 | 35200 | 160 | 89 | 22 |
| 1 | 25 | 1001010 | 6.1 | 26000 | 60000 | 178 | 90 | 25 |
| 1-1/4 | 32 | 1001114 | 12.0 | 39100 | 90400 | 222 | 111 | 32 |
| 1-1/2 | 38 | 1001112 | 18.6 | 61100 | 141200 | 267 | 135 | 38 |
| 1-3/4 | 45 | 1001134 | 25.2 | 84900 | 212250 | 305 | 152 | 45 |
| 2 | 51 | 1001200 | 37.0 | 102600 | 256500 | 355 | 178 | 51 |
| 2-1/4 | 57 | 1001214 | 54.1 | 143100 | 289200 | 406 | 203 | 57 |
| 2-1/2 | 63.5 | 1001212 | 68.5 | 160000 | 320000 | 406 | 203 | 63.5 |
| 2-3/4 | 70 | 1001234 | 94.0 | 216900 | 433800 | 406 | 241 | 70 |
| 3 | 76 | 1001300 | 115 | 228000 | 456000 | 457 | 228 | 76 |
| 3-1/4 | 82.5 | 1001314 | 145 | 262200 | 524400 | 508 | 254 | 82.5 |
| 3-1/2 | 86 | 1001312 | 198 | 279000 | 558000 | 508 | 254 | 86 |
| 3-3/4 | 95 | 1001334 | 200 | 336000 | 672000 | 508 | 254 | 95 |
| 4 | 101.6 | 1001400 | 264 | 373000 | 746000 | 508 | 305 | 101.6 |
| ++4-1/4 | ++108 | 1001414 | 302 | 354000 | 708000 | 610 | 305 | 108 |
| ++4-1/2 | ++114 | 1001412 | 345 | 360000 | 720000 | 711 | 356 | 114.5 |
| ++4-3/4 | ++121 | 1001434 | 436 | 389000 | 778000 | 711 | 356 | 121 |
| ++5 | ++127 | 1001500 | 516 | 395000 | 790000 | 762 | 356 | 127 |

*Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Applications with wire rope and synthetic sling generally required factor of 5. ** Proof Test load equals or exeeds the requirment of ASTM A952.(8.1) and ASME B30.9. ++Welded Master Link.

### Regular Mark 常规标记

| MARK 标记 | 1/2 | G80 | WLL 7400LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

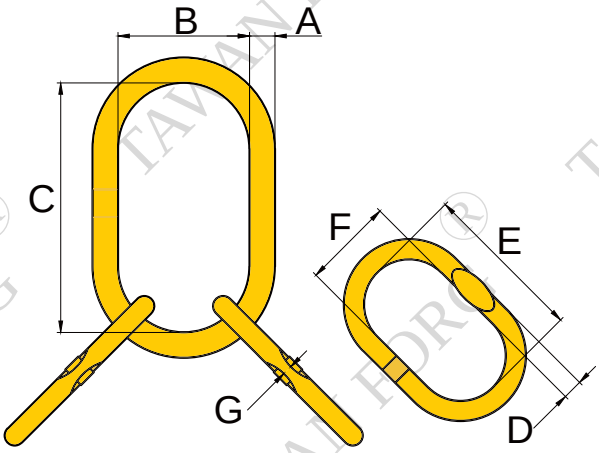
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**⚠ WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



**TAWAN-002**

- Supper alloy steel - Quenched and Temperated.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- Individually prooof test at 2 times Working Load Limit.
  逐件按工作拉力的 2 倍进行验证测试。
- Breakage test
  对每一批次产品进行严格的抽样破断测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003。
- Main link: Forged. Sub link: welded
  母环：锻造。子环：焊接
- Main link is forged.
  母环均为锻造。
- ALL SIZE: There will be pressing flat only on request.
  所有规格：仅在客户有明确要求的情况下才有压扁。




## G80 U.S. TYPE MASTER LINK ASSEMBLY 80 级美标子母环

| Size | | Stock No. | Weight Each (lbs.) | Working Load Limit Based on 5:1 Design Factor (lbs.)* | Proof Load (lbs.)** | Dimensions (in.) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | | A | B | C | D | E | F | G |
| 3/4 | 19 | 1002034 | 3.5 | 12300 | 28400 | 0.73 | 3.20 | 6.00 | 0.56 | 3.35 | 1.77 | 0.30 |
| 7/8 | 22 | 1002078 | 4.8 | 15200 | 35200 | 0.88 | 3.75 | 6.38 | 0.56 | 3.35 | 1.77 | 0.30 |
| 1 | 26 | 1002010 | 9.3 | 26000 | 60000 | 1.10 | 4.30 | 7.50 | 0.75 | 3.94 | 2.36 | 0.33 |
| 1-1/4 | 32 | 1002141 | 15.8 | 39100 | 90400 | 1.33 | 5.50 | 9.50 | 1.00 | 6.30 | 3.54 | 0.51 |
| 1-1/2 | 38 | 1002121 | 34.1 | 61000 | 141200 | 1.61 | 5.90 | 10.50 | 1.25 | 7.09 | 3.94 | 0.65 |
| 1-3/4 | 44 | 1002134 | 46.7 | 84900 | 212250 | 1.75 | 6.00 | 12.00 | 1.38 | 8.00 | 5.00 | 0.73 |
| 2 | 51 | 1002200 | 67.2 | 102600 | 256500 | 2.00 | 7.00 | 14.00 | 1.50 | 9.00 | 5.75 | - |
| 2-1/2 | 64 | 1002212 | 206 | 160000 | 320000 | 2.50 | 8.38 | 16.00 | 2.50 | 16.00 | 8.38 | - |
| 2-3/4 | 70 | 1002234 | 282 | 216900 | 433800 | 2.75 | 9.88 | 18.00 | 2.75 | 18.00 | 9.88 | - |
| 4 | 102 | 1002400 | 667 | 373000 | 746000 | 4.00 | 12.00 | 24.00 | 3.50 | 24.00 | 12.00 | - |

*Ultimate Load is 5 times the Working Load Limit. The maximum individual sublink working loas limit is 75% of the assembly working load limit except for 2-1/2" and 2-3/4",which are 100% of assembly working load limit. Applications with wire rope and synthetic sling generally required a design factor of 5. ** Proof Test load equals or exeeds the requirment of ASTM A952.(8.1) and ASME B30.9. ++Welded Master Link.

### Regular Mark 常规标记

| MARK 标记 | 1 | -8 | WLL 263000LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | CHAIN SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

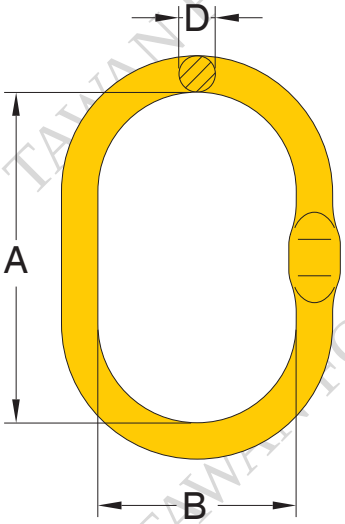


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TAWAN-003

- Standard: EN1677-4(Suppersedes DIN5688-3).
  生产和检验执行标准：欧盟 EN1677-4 标准（替代 DIN5688-3 标准）。
- Super alloy steel - Quenched and Tempered.
  选用高强度高韧性特殊合金钢，经过热处理。
- Individually proof test at 2.5 times Working Load Limit.
  逐件按工作拉力的 2.5 倍进行验证测试。
- Breakage test and fatigue test.
  对每一批次产品进行严格的抽样破断测试和疲劳测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003。
- Suitable for 1 or 2 leg G80 chain sling as per EN818-4.
  用于 G80 单腿或者 2 腿链条吊具（依据 EN818-4 标准）。




## G80 EUROPEAN TYPE G80 MASTER LINK 80 级欧标强力环

| Size | Stock No. | G80 EN818-2 Chain | | Weight (kg) | Working Load Limit (T) | Dimensions (mm) | | |
|---|---|---|---|---|---|---|---|---|
| | | For 1 Leg (mm) | For 2 Leg (mm) | | | A | B | D |
| 6-8 | 1003068 | 7 | 6 | 0.34 | 1.6 | 110 | 60 | 13 |
| 7-8 | 1003078 | 8 | 7 | 0.54 | 2.12 | 110 | 60 | 16 |
| 8-8 | 1003088 | 10 | 8 | 0.82 | 3.15 | 135 | 75 | 18 |
| 10-8 | 1003108 | 13 | 10 | 1.5 | 5.3 | 160 | 90 | 22 |
| 13-8 | 1003138 | 16 | 13 | 2.3 | 8 | 180 | 100 | 26 |
| 16-8 | 1003168 | 18 | 16 | 3.95 | 11.2 | 200 | 110 | 32 |
| 18-8 | 1003188 | 20 | 18 | 6.34 | 14 | 260 | 140 | 36 |
| 20-8 | 1003208 | 22 | 20 | 8.96 | 17 | 300 | 160 | 40 |
| 22-8 | 1003228 | 26 | 22 | 12.8 | 21.2 | 340 | 180 | 45 |
| 26-8 | 1003268 | 32 | 26 | 16.55 | 31.5 | 350 | 190 | 50 |
| 32-8 | 1003328 | 36 | 32 | 23.28 | 45 | 400 | 200 | 56 |
| 36-8 | 1003368 | 40 | 36 | 32 | 56 | 430 | 220 | 63 |
| 40-8 | 1003408 | 45 | 40 | 45.76 | 63 | 460 | 250 | 72 |
| 45-8 | 1003458 | - | 45 | 62 | 85.46 | 500 | 270 | 80 |

Ultimate Load is 4 times the Working Load Limit.
WLL based on 0° - 45°.
Size 6-8 to 22-8：WELDED.
Size 26-8 to 45-8：FORGED.
Size 6-8 to 20-8：there will be pressing flat only on request.
Size 22-8 to 45-8：there is no pressing flat.
The pressing flat for use with G80 OMEGA LINK.
For use with wire rope sling, refer to DIN3088 standard.
For use with synthetic sling, refer to EN1492-1 standard.

### Regular Mark 常规标记

| MARK 标记 | 10 | -8 | WLL 5.3T | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | CHAIN SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

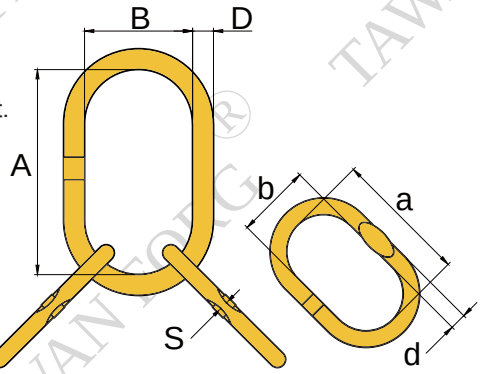
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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-004

- Standard: EN1677-4(Suppersedes DIN5688-3).
  生产和检验执行标准：欧盟 EN1677-4 标准（替代 DIN5688-3 标准）。
- Super alloy steel - Quenched and Tempered.
  选用高强度高韧性特殊合金钢，经过热处理。
- Individually proof test at 2.5 times Working Load Limit.
  逐件按工作拉力的 2.5 倍进行验证测试。
- Breakage test and fatigue test.
  对每一批次产品进行严格的抽样破断测试和疲劳测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003 。
- Suitable for 3 or 4 leg G80 chain sling as per EN818-4.
  用于 G80 3 腿或者 4 腿链条吊具（依据 EN818-4 标准）。




## G80 EUROPEAN TYPE G80 MASTER LINK ASSEMBLY
## 80 级欧标强力子母环

| Size | Stock No. | G80 EN818-2 Chain For 3 or 4 Leg Sling (mm) | Weight (kg) | Working Load Limit (T) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | B | D | a | b | d |
| 6-8 | 1004068 | 6 | 1.18 | 2.36 | 135 | 75 | 18 | 54 | 25 | 13 |
| 7-8 | 1004078 | 7 | 1.24 | 3.15 | 135 | 75 | 18 | 60 | 38 | 13 |
| 8-8 | 1004088 | 8 | 2.2 | 4.25 | 160 | 90 | 22 | 70 | 34 | 16 |
| 10-8 | 1004108 | 10 | 3.4 | 6.7 | 180 | 100 | 26 | 85 | 40 | 18 |
| 13-8 | 1004138 | 13 | 6.1 | 11.2 | 200 | 110 | 32 | 115 | 50 | 22 |
| 16-8 | 1004168 | 16 | 9.98 | 17 | 260 | 140 | 36 | 140 | 65 | 26 |
| 18-8 | 1004188 | 18 | 18.9 | 21.2 | 340 | 180 | 45 | 180 | 100 | 32 |
| 20-8 | 1004208 | 20 | 22.6 | 26.5 | 350 | 190 | 50 | 180 | 100 | 32 |
| 22-8 | 1004228 | 22 | 25.2 | 31.5 | 350 | 190 | 50 | 180 | 100 | 36 |
| 26-8 | 1004268 | 26 | 35.2 | 45 | 400 | 200 | 56 | 180 | 100 | 40 |
| 28-8 | 1004288 | 28 | 47 | 50 | 430 | 220 | 63 | 180 | 100 | 45 |
| 32-8 | 1004328 | 32 | 66.46 | 63 | 460 | 250 | 72 | 200 | 110 | 50 |

Ultimate Load is 4 times the Working Load Limit.
WLL based on 0° - 45°.
Size 6-8 to 18-8：Main link is WELDED; Sub link is WELDED.
Size 20-8 to 32-8：Main link is FORGED; Sub link is WELDED.
Size 6-8 to 20-8：there will be pressing flat only on request.
Size 22-8 to 32-8：there is no pressing flat.
The pressing flat for use with G80 OMEGA LINK.
For use with wire rope sling, refer to DIN3088 standard.
For use with synthetic sling, refer to EN1492-1 standard.

### Regular Mark 常规标记

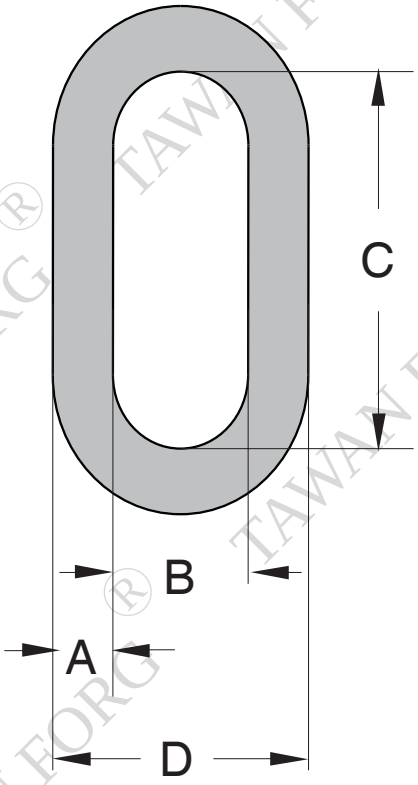
| MARK 标记 | 10 | -8 | WLL 6.7T | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | CHAIN SIZE 链条尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE ERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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**TAWAN-005**




- Forged carbon steel - Quenched and Tempered.
  锻造碳钢，经过热处理。
- Self Colored or Hot Dip Galvanized.
  表面原色或者是热镀锌。

## WELDLESS END LINKS 末端无缝环

| Size (A) (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | |
|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D |
| 5/16 | 1005516 | 2500 | 0.15 | 0.31 | 0.50 | 1.75 | 1.18 |
| 3/8 | 1005038 | 3800 | 0.22 | 0.38 | 0.56 | 1.88 | 1.38 |
| 1/2 | 1005012 | 6500 | 0.49 | 0.50 | 0.75 | 2.38 | 1.81 |
| 5/8 | 1005058 | 9300 | 0.97 | 0.63 | 1.00 | 3.25 | 2.32 |
| 3/4 | 1005034 | 14000 | 1.51 | 0.75 | 1.13 | 3.50 | 2.68 |
| 7/8 | 1005078 | 12000 | 2.59 | 0.88 | 2.00 | 5.13 | 3.75 |
| 1 | 1005010 | 15200 | 3.95 | 1 | 2.25 | 5.75 | 4.25 |
| 1-1/4 | 1005114 | 26400 | 7.30 | 1.25 | 2.50 | 7.00 | 5.00 |
| 1-3/8 | 1005112 | 30000 | 10.38 | 1.38 | 2.75 | 7.75 | 5.50 |

*Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees.

### Regular Mark 常规标记

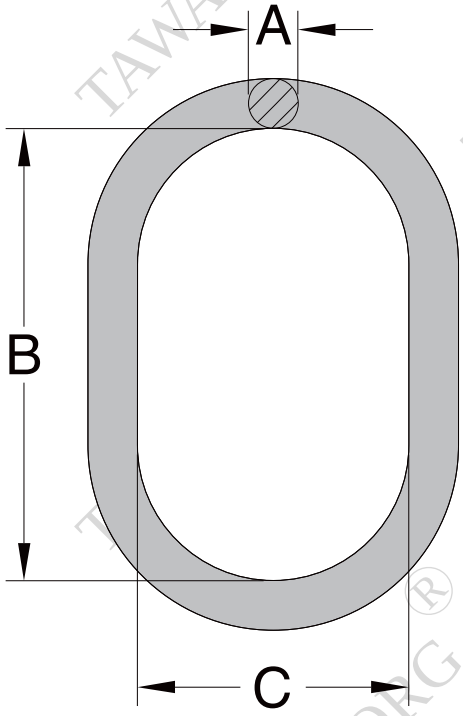
| MARK 标记 | 1/2 | G80 | WLL 6500LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

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**⚠ WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-006




- Grade 316-nm stainless steel.
  T316 不锈钢材质。
- Drep forged and load rated.
  模锻工艺，载荷额定。
- Self Colored or electrolyzed.
  表面原色或者是电解。

## FORGED STAINLESS STEEL MASTER LINK 模锻不锈钢强力环

| Size (A) (in.) | Stock No. | Working Load Limit (lbs.) | Weight Each (lbs.) | Dimensions (in.) | | |
|---|---|---|---|---|---|---|
| | | | | A | B | C |
| 3/8 | 1006038 | 1500 | 0.35 | 3/8 | 3.00 | 1.50 |
| 1/2 | 1006012 | 2000 | 0.84 | 1/2 | 5.00 | 2.50 |
| 5/8 | 1006058 | 2800 | 1.61 | 5/8 | 6.00 | 3.00 |
| 3/4 | 1006034 | 3750 | 2.26 | 3/4 | 6.50 | 3.25 |
| 1 | 1006010 | 8000 | 4.94 | 1 | 7.00 | 3.50 |
| 1-1/4 | 1006114 | 11800 | 9.55 | 1-1/4 | 8.75 | 4.38 |

**Regular Mark 常规标记**

| MARK 标记 | 3/4 | WLL 3750LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

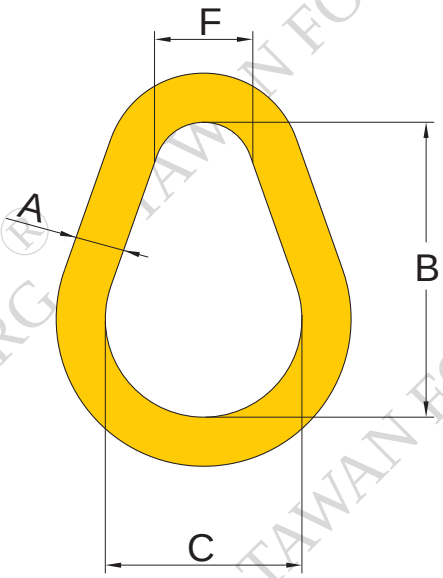
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-007




- Forged supper alloy steel -quenched and Temperated.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- individually prooof test at 2 times Working Load Limit.
  逐件按工作拉力的 2 倍进行验证测试。

## FORGED PEAR SHAPED LINKS 模锻梨形环

| Size (A) (in.) | Stock No. | Working Load Limit | | | Weight Each (lbs.) | Dimensions (in.) | | |
|---|---|---|---|---|---|---|---|---|
| | | Carbon (lbs.)* | Alloy (lbs.)* | Alloy (T) | | B | C | F |
| 1/2 | 1007012 | 2900 | 7000 | 3.15 | 0.55 | 3.00 | 2.00 | 1.00 |
| 5/8 | 1007058 | 4200 | 9000 | 4.09 | 1.10 | 3.75 | 2.50 | 1.25 |
| 3/4 | 1007034 | 6000 | 12300 | 5.59 | 1.76 | 4.50 | 3.00 | 1.50 |
| 7/8 | 1007078 | 8300 | 15000 | 6.81 | 2.82 | 5.25 | 3.50 | 1.75 |
| 1 | 1007010 | 10800 | 24360 | 11.0 | 4.22 | 6.00 | 4.00 | 2.00 |
| 1-1/8 | 1007118 | 13800 | 30600 | 13.9 | 6.25 | 6.50 | 4.50 | 2.25 |
| 1-1/4 | 1007114 | 16750 | 36000 | 16.4 | 8.25 | 7.75 | 5.00 | 2.50 |
| 1-3/8 | 1007138 | 20500 | 43000 | 19.5 | 11.25 | 8.25 | 5.50 | 2.75 |
| 1-1/2 | 1007112 | - | 54300 | 24.7 | 14.25 | 9.00 | 6.00 | 3.00 |
| 1-5/8 | 100758 | - | 62600 | 28.4 | 18.50 | 9.75 | 6.50 | 3.25 |
| 1-3/4 | 1007134 | - | 84900 | 38.6 | 22.50 | 10.50 | 7.00 | 3.50 |
| 1-7/8 | 1007178 | - | 95800 | 43.5 | 29.00 | 11.25 | 7.50 | 3.75 |
| 2 | 1007200 | - | 102600 | 46.6 | 34.00 | 12.00 | 8.00 | 4.00 |
| ++2-1/4 | 1007214 | - | 143100 | 65.0 | 48.00 | 13.50 | 9.00 | 4.50 |
| ++2-1/2 | 1007212 | - | 147300 | 66.9 | 66.00 | 15.00 | 10.00 | 5.00 |
| ++2-3/4 | 1007234 | - | 216900 | 98.6 | 88.00 | 16.50 | 11.00 | 5.50 |
| ++3 | 1007300 | - | 228000 | 103 | 114.00 | 18.00 | 12.00 | 6.00 |
| ++3-1/4 | 1007314 | - | 262000 | 119 | 146.00 | 19.50 | 13.00 | 6.50 |
| ++3-1/2 | 1007312 | - | 279000 | 126 | 181.00 | 21.00 | 14.00 | 7.00 |
| ++4 | 1007400 | - | 373000 | 169 | 271.00 | 24.00 | 16.00 | 8.00 |

*Minimum Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. ++Welded Link.

### Regular Mark 常规标记

| MARK 标记 | 3/4 | G80 | WLL 12300LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

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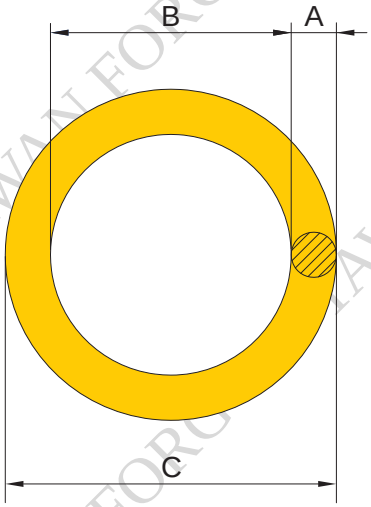
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

# FORGED WELDLESS ROUND RING 模锻圆环






TAWAN-008




- Forged supper alloy steel -quenched and Temperated.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003 。

## FORGED WELDLESS ROUND RING 模锻圆环

| Size (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | |
|---|---|---|---|---|---|---|
| | | | | A | B | C |
| 3/8 × 2 | 1008381 | 2200 | 0.23 | 3/8 | 2 | 2 3/4 |
| 3/8 × 2 1/4 | 1008382 | 2200 | 0.26 | 3/8 | 2 1/4 | 3 |
| 3/8 × 3 1/2 | 1008383 | 2200 | 0.37 | 3/8 | 3 1/2 | 4 1/4 |
| 1/2 × 2 | 1008121 | 2200 | 0.44 | 1/2 | 2 | 3 |
| 1/2 × 3 | 1008122 | 2200 | 0.62 | 1/2 | 3 | 4 |
| 1/2 × 3 1/2 | 1008123 | 2200 | 0.71 | 1/2 | 3 1/2 | 4 1/2 |
| 5/8 × 2 1/2 | 1008581 | 3300 | 0.86 | 5/8 | 2 1/2 | 3 3/4 |
| 5/8 × 3 5/16 | 1008582 | 3300 | 1.00 | 5/8 | 3 | 4 1/4 |
| 5/8 × 3 5/16 | 1008583 | 3300 | 1.08 | 5/8 | 3 5/16 | 4 9/16 |
| 5/8 × 4 | 1008584 | 3300 | 1.28 | 5/8 | 4 | 5 1/4 |
| 3/4 × 3 | 1008341 | 3700 | 1.63 | 3/4 | 3 | 4 1/2 |
| 3/4 × 3 1/2 | 1008342 | 3700 | 1.68 | 3/4 | 3 1/2 | 5 |
| 3/4 × 4 | 1008343 | 3700 | 1.89 | 3/4 | 4 | 5 1/2 |
| 7/8 × 3 1/2 | 1008781 | 7200 | 2.34 | 7/8 | 3 1/2 | 5 1/4 |
| 7/8 × 4 | 1008782 | 7200 | 2.70 | 7/8 | 4 | 5 3/4 |
| 7/8 × 5 1/2 | 1008783 | 7200 | 3.47 | 7/8 | 5 1/2 | 7 1/4 |
| 1 ×4 | 1008101 | 10400 | 3.69 | 1 | 4 | 6 |
| 1 ×5 1/2 | 1008102 | 10400 | 4.54 | 1 | 5 1/2 | 7 1/2 |
| 1 × 6 | 1008103 | 10400 | 4.85 | 1 | 6 | 8 |
| 1 1/8 × 6 | 1008118 | 10400 | 6.60 | 1 1/8 | 6 | 8 1/4 |
| 1 1/4 × 5 | 1008145 | 17000 | 7.00 | 1 1/4 | 5 | 7 1/2 |
| 1 1/4 × 5 1/2 | 1008142 | 17000 | 7.41 | 1 1/4 | 5 1/2 | 8 |
| 1 1/4 ×6 | 1008146 | 17000 | 7.94 | 1 1/4 | 6 | 8 1/2 |
| 1 3/8 × 6 | 1008138 | 19000 | 10.63 | 1 3/8 | 6 | 8 3/4 |
| 1 1/2 × 8 | 1008128 | 22000 | 14.95 | 1 1/2 | 8 | 11 |
| 1 1/2 × 10 | 1008120 | 22000 | 18.08 | 1 1/2 | 10 | 13 |
| 2 × 12 | 1008212 | 25000 | 39.16 | 2 | 12 | 16 |

*Ultimate Load is 6 times the Working Load Limit.

### Regular Mark 常规标记

| MARK 标记 | 7/8 × 4 | G80 | WLL 72000LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

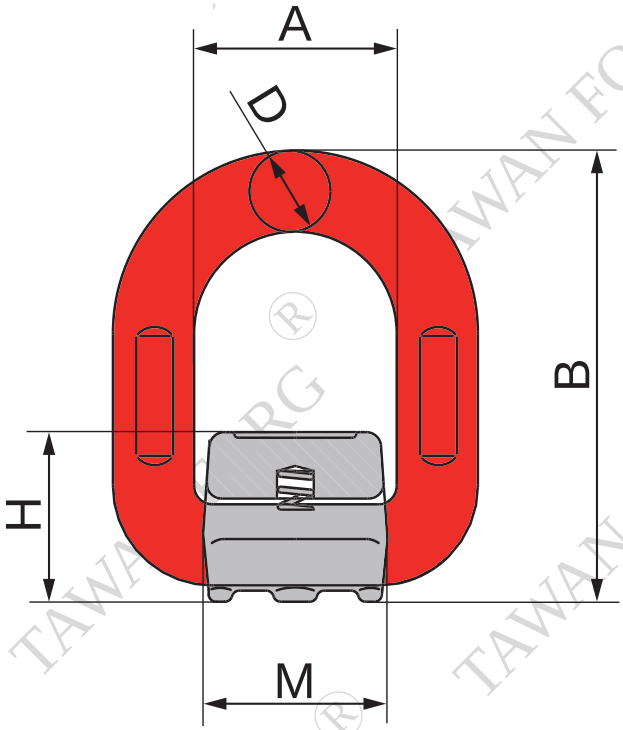


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**TAWAN-009**

- Forged supper alloy steel - Quenched and Temperated.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- Breakage test
  对每一批次产品进行严格的抽样破断测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003。
- All sizes are forged.
  所有规格均为锻造。
- With spring inside for better pivoting control.
  装配有弹簧，更方便控制 D 型环的旋转。
- Welding is to be performed by a qualified welder.
  焊接必须由具有焊接资质的人员进行。




## G80 WELD ON PIVOTING D LINK 80 级焊接旋转 D 型环

| Size | Stock No. | Weight Each (kg) | Working Load Limit (T)* | Breaking Load (T) | Dimensions (mm) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A±1 | B±2 | D±1 | M±1.2 | H±0.3 |
| 1.12T | 1009112 | 0.40 | 1.12 | 4.48 | 41 | 78.5 | 13 | 37 | 35 |
| 2T | 1009200 | 0.47 | 2.00 | 8.00 | 42 | 88 | 14 | 40 | 37 |
| 3.15T | 1009315 | 0.69 | 3.15 | 12.80 | 45 | 94 | 17 | 42.5 | 40 |
| 5.3T | 1009530 | 1.46 | 5.30 | 21.20 | 55 | 118 | 22 | 61 | 52 |
| 8T | 1009800 | 2.50 | 8.00 | 32.00 | 70 | 141 | 26.5 | 70.5 | 57 |
| 10T | 1009100 | 3.59 | 10.00 | 40.00 | 85 | 165 | 28 | 78 | 63.5 |
| 15T | 1009150 | 5.79 | 15.00 | 60.00 | 97 | 188 | 34 | 90 | 77 |

*Ultimate Load is 4 times the Working Load Limit.

### Regular Mark 常规标记

| MARK 标记 | 5.3T | G80 | WLL 5.3T | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

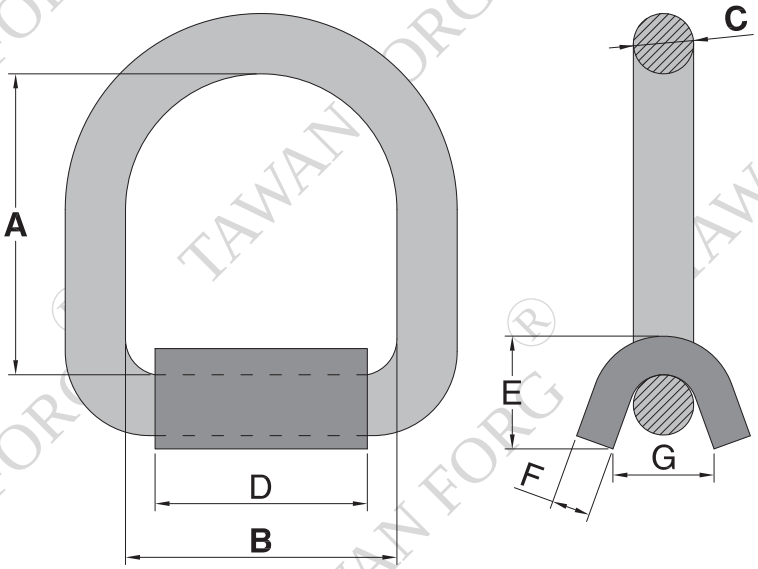
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**⚠ WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用




**TAWAN-010**

- Forged carbon steel - Quenched and Tempered.
  锻造碳钢，经过热处理。
- Self Colored , Electro Galvanized or Hot Dip Galvanized.
  表面原色 , 电镀锌或者是热镀锌。




## D RING WITH STRAP, TAPE A D 型环带底座 A 型

| Size (in.) | Stock No. | Minimum Breaking Strngth (lbs.)* | Weight Each (lbs.) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G |
| 3/8 | 1010012 | 3000 | 0.81 | 51 | 68 | 9.5 | 51 | 20 | 6 | 15 |
| 1/2 | 1010012 | 12000 | 0.94 | 63.5 | 57.1 | 13 | 45 | 25 | 8 | 33 |
| 5/8 | 1010058 | 18000 | 1.87 | 75 | 75 | 16 | 63.5 | 31 | 9.5 | 37 |
| 3/4 | 1010034 | 26500 | 2.70 | 75 | 75 | 19 | 63.5 | 35 | 9.5 | 40 |
| 1 | 1010100 | 47000 | 4.21 | 75 | 75 | 25 | 63.5 | 41 | 9.5 | 63 |
| 1 | 1010101 | 47000 | 4.74 | 100 | 75 | 25 | 63.5 | 41 | 9.5 | 63 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 1/2 MBS12000lbs

**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用



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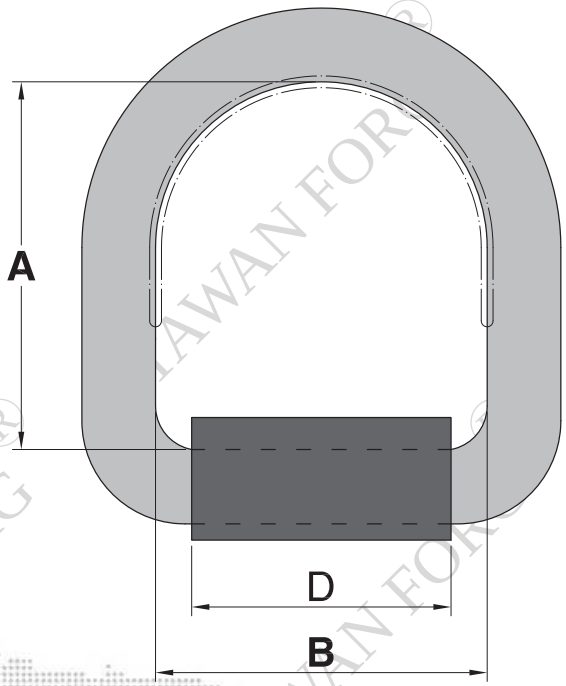


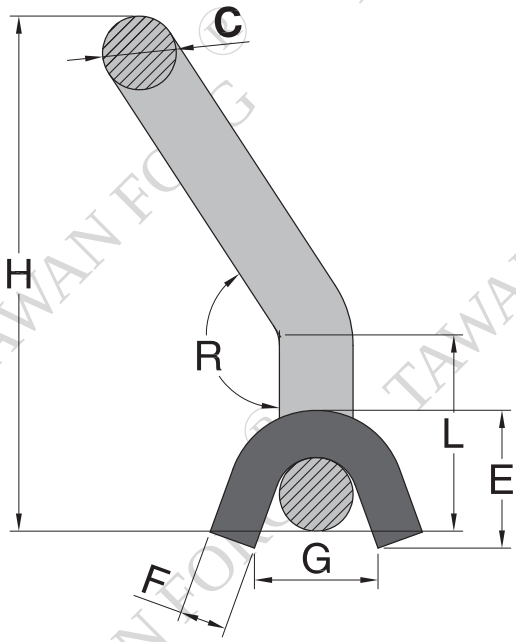
FRONT TAWAN-011



SIDE

- Forged carbon steel - Quenched and Tempered.
  锻造碳钢，经过热处理。
- Self Colored , Electro Galvanized or Hot Dip Galvanized.
  表面原色 , 电镀锌或者是热镀锌。




## D RING WITH STRAP AND BEND, TAPE A D 型环带底座折弯 A 型

| Size (in.) | Stock No. | Minimum Breaking Strngth (lbs.)* | Weight Each (lbs.) | Dimensions (mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | H | L | R |
| 1/2 | 1011012 | 12000 | 0.94 | 63.5 | 57.1 | 13 | 45 | 25 | 8 | 33 | 89.5 | 45 | 135° |
| 5/8 | 1011058 | 18000 | 1.87 | 75 | 75 | 16 | 63.5 | 31 | 9.5 | 37 | 107 | 55 | 135° |
| 3/4 | 1011034 | 26500 | 2.70 | 75 | 75 | 19 | 63.5 | 35 | 9.5 | 40 | 113 | 55 | 135° |
| 1 | 1011100 | 47000 | 4.21 | 75 | 75 | 25 | 63.5 | 41 | 9.5 | 63 | 125 | 80 | 135° |
| 1 | 1011101 | 47000 | 4.74 | 100 | 75 | 25 | 63.5 | 41 | 9.5 | 63 | 150 | 80 | 135° |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 1/2 MBS12000lbs

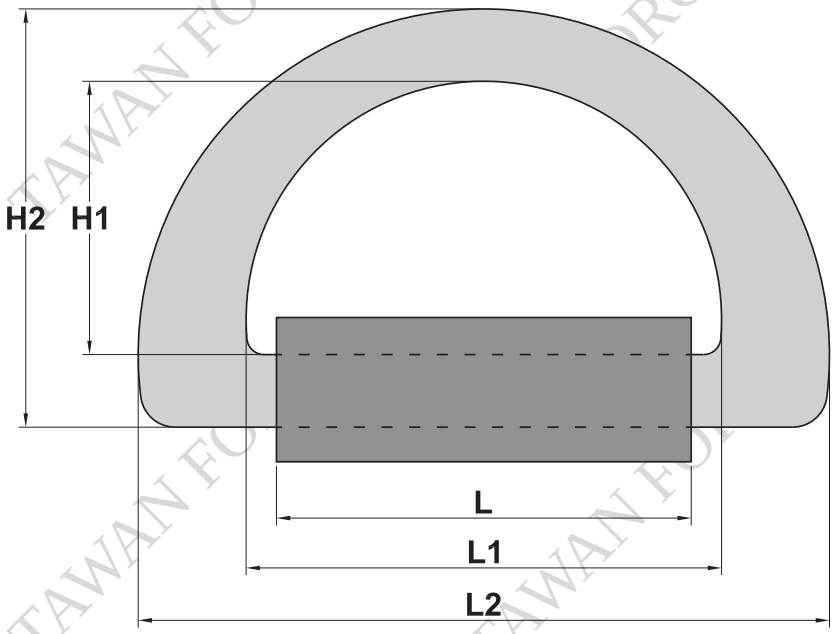
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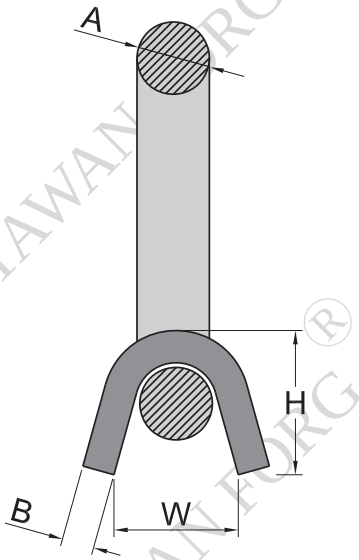
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用




**TAWAN-012**

- Forged carbon steel - Quenched and Tempered.
  锻造碳钢，经过热处理。
- Self Colored , Electro Galvanized or Hot Dip Galvanized.
  表面原色 , 电镀锌或者是热镀锌。




## D RING WITH STRAP, TAPE B D 型环带底座 B 型

| Size | Stock No. | Working Load Limit (T)* | Proof Test (T) | Minimum Breaking Strngth (T) | Weight Each (lbs.) | Dimensions (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | L | L1 (±1) | L2 | H1 (±1) | H2 | H | B | W | A |
| 20T | 1012020 | 5 | 7.5 | 20 | 2.21 | 90 | 120 | 170 | 70 | 102 | 30 | 10 | 42 | 16 |
| 36T | 1012036 | 9 | 13.5 | 36 | 5.42 | 120 | 136 | 212 | 80 | 122 | 35 | 10 | 42 | 21 |
| 41T | 1012041 | 10.5 | 15.4 | 41 | 8.15 | 125 | 144 | 225 | 88 | 138 | 43 | 12 | 62 | 25 |
| 50T | 1012050 | 18.75 | 18.75 | 50 | 9.71 | 130 | 151 | 241 | 90 | 144 | 48 | 14 | 65 | 27 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： MBS36T CHINA

**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用

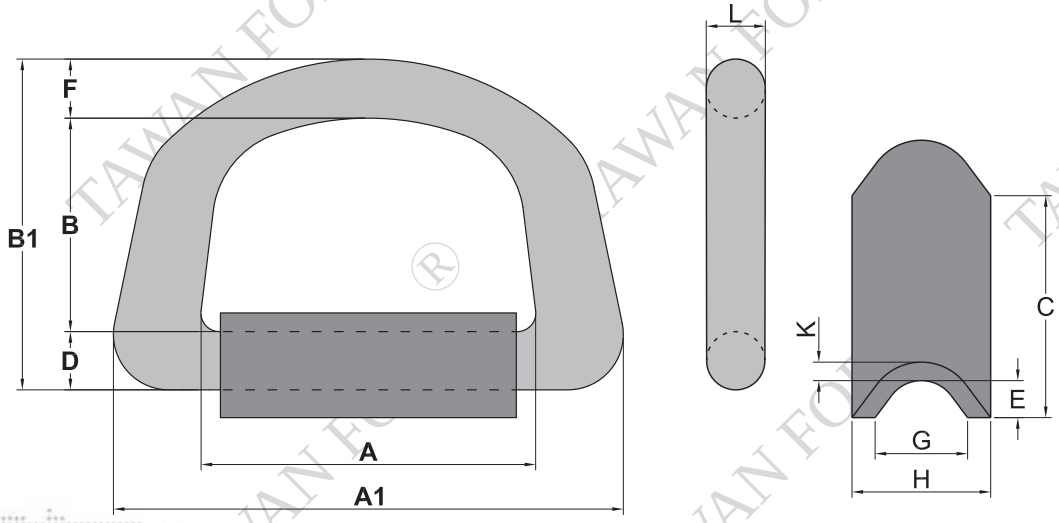


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**TAWAN-013**

- Forged carbon steel - Quenched and Tempered.
  锻造碳钢，经过热处理。
- Self Colored , Electro Galvanized or Hot Dip Galvanized.
  表面原色 , 电镀锌或者是热镀锌。




## D RING WITH STRAP, TAPE C D 型环带底座 C 型

| Size | Stock No. | Minimum Breaking Strngth (T) * | Weight Each (kg) | Dimensions (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | A1 | B | B1 | D | F | C | E | K | G | H | L |
| MBS7T | 1013007 | 7 | 0.5370 | 65.5 | 123.1 | 51.1 | 76.1 | 12.7 | 12.3 | 50 | 16.2 | 5.9 | 32.2 | 42 | 12.5 |
| MBS36T | 1013036 | 36 | 2.5330 | 121 | 191.4 | 81 | 128.4 | 23.8 | 23.8 | 102 | 27 | 11.3 | 48.12 | 67 | 22.5 |
| MBS41T | 1013041 | 41 | 3.4040 | 126.5 | 202 | 92.8 | 144 | 25.9 | 25.3 | 102 | 31.8 | 13.5 | 63 | 82.5 | 25 |
| MBS50T | 1013050 | 50 | 4.1190 | 127 | 223 | 102 | 155 | 27.2 | 26.5 | 102 | 31 | 13.5 | 63 | 83 | 26.5 |

*Ultimate Load is 4 times the Working Load Limit.

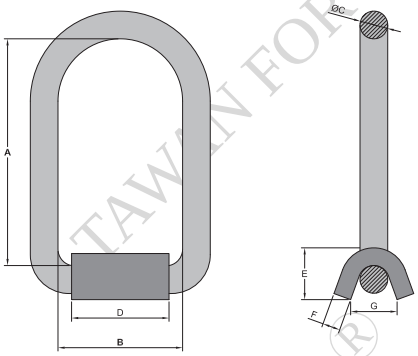
Regular Mark 常规标记： MBS36T CHINA

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-014




## D RING WITH STRAP, TAPE A (LONG) D 型环带底座长 A 型

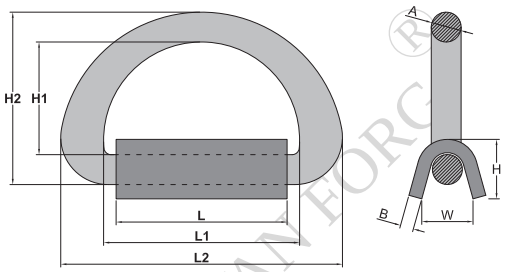
| Size (in.) | Stock No. | Minimum Breaking Strngth (lbs.)* | Weight Each (kg) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G |
| 1/2 | 1014012 | 11000 | 0.53 | 115 | 65 | 13 | 45 | 25 | 8 | 33 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 1/2 MBS11000lbs




TAWAN-015




## D RING WITH STRAP, JIS TYPE 日式 D 型环带底座

| Size | Stock No. | Breaking Load Limit (t)* | Weight Each (kg) | Dimensions (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | L1 | L2 | H1 | H2 | H | B | W | A |
| 20T | 1015020 | 20 | 1.13 | 76 | 95 | 137.5 | 60 | 98.5 | 31.5 | 9.6 | 52 | 19.5 |

*Ultimate Load is 4 times the Working Load Limit.

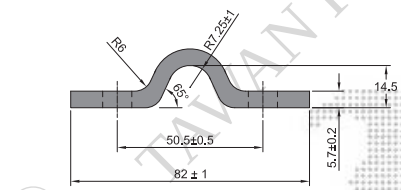
Regular Mark 常规标记： BL20T M19

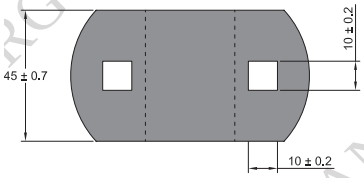




主环尺寸请参考 14 页

TAWAN-016




## STRAP FOR D RING , TAPE A (1/2") A 型 1/2" D 型环带孔底座

Regular Mark 常规标记： -

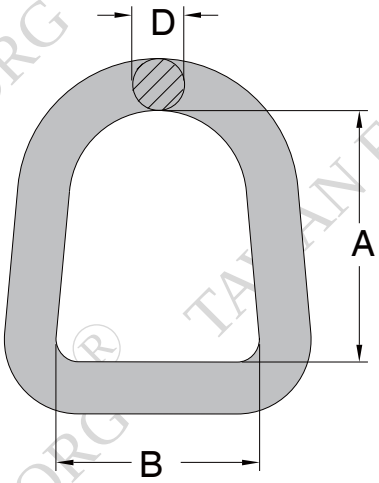


WARNING 警告 Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-017




## BRITISH TRIANGLE RING 英式三角环

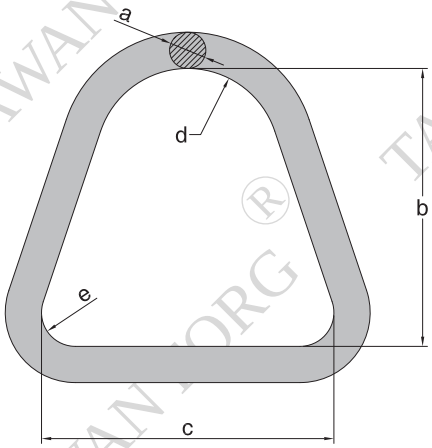
| Size | Stock No. | Weight Each (kg) | Working Load Limit (T)* | Breaking Load (T) | Dimensions (mm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | A | B | D |
| 2.5T | 1017025 | 0.3 | 2.5 | 10 | 65 | 55 | 14 |
| 4.0T | 1017040 | 0.48 | 4 | 16 | 62 | 64 | 17 |
| 6.5T | 1017065 | 0.71 | 6.5 | 26 | 80 | 72 | 19 |
| 8T | 1017080 | 1.0 | 8.0 | 32 | 90 | 76 | 22 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 22MM CE C5 SWL2t



TAWAN-018




## TRIANGULAR LINK B.S. 2837-TABLE 1-1988 英式三角环

| Class | Stock No. | Weight Each (kg) | Safe Working Load (T)* | Minimum Breaking Load (T) | Dimensions (mm) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | a | b | c | d | e |
| A | 1018032 | 0.15 | 0.32 | 1.6 | 10 | 67 | 67 | 25 | 8 |
| B | 1018050 | 0.26 | 0.50 | 2.5 | 12 | 67 | 67 | 25 | 8 |
| C | 1018080 | 0.35 | 0.80 | 4.0 | 14 | 67 | 67 | 25 | 8 |
| D | 1018125 | 0.90 | 1.25 | 6.25 | 19 | 115 | 93 | 38 | 14 |
| E | 1018200 | 1.23 | 2.00 | 10.0 | 22 | 115 | 93 | 38 | 14 |
| F | 1018320 | 1.75 | 3.20 | 16.0 | 26 | 115 | 93 | 38 | 14 |

*Ultimate Load is 5 times the Safe Working Load.

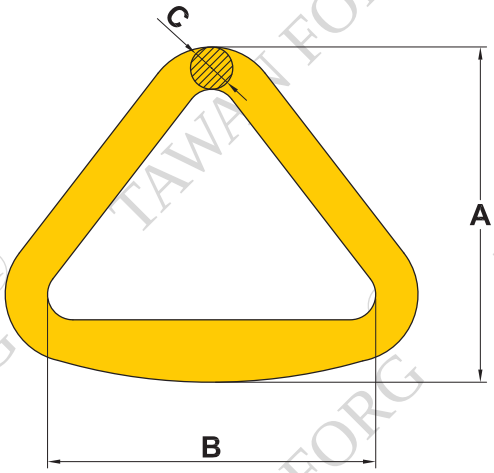
Regular Mark 常规标记： 22MM CE C5 SWL2t

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用




TAWAN-019




## ALLOY FORGED TRIANGLE RING 合金钢锻造三角环

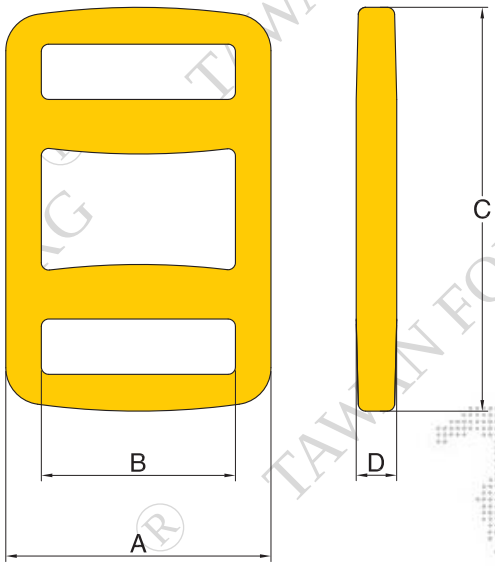
| Size (in.) | Stock No. | Working Load Limit (lbs.)* | Minimum Breaking Strength (lbs.) | Weight Each (kg) | Dimensions (mm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | A | B | C |
| 2 | 1019002 | 2750 | 11000 | 0.44 | 80.3 | 45 | 12 |
| 3 | 1019003 | 4500 | 18000 | 0.79 | 109.4 | 60 | 14 |
| 4 | 1019004 | 5000 | 20000 | 1.37 | 142.0 | 74 | 16 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 4 MBS20000LBS



TAWAN-020




## ONE WAY LASHING BUCKLE 目字环

| Size | Stock No. | Working Load Limit (kg)* | Breaking Load (kg) | Weight Each (kg) | Dimensions (mm) | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | A | B | C | D |
| 30# | 1020030 | 3000 | 6000 | 0.20 | 54 | 33 | 102 | 10 |
| 40# | 1020040 | 4000 | 8000 | 0.27 | 64 | 42 | 107 | 11 |
| 50# | 1020050 | 5000 | 10000 | 0.41 | 72 | 52 | 110 | 12 |

*Ultimate Load is 2 times the Working Load Limit.

Regular Mark 常规标记： BL5000KG

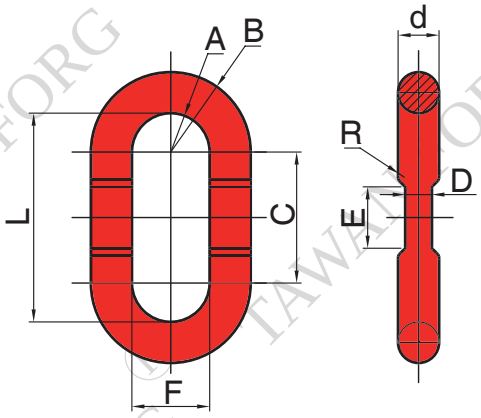
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-021




## ALLOY FORGED LINK 合金钢锻造环

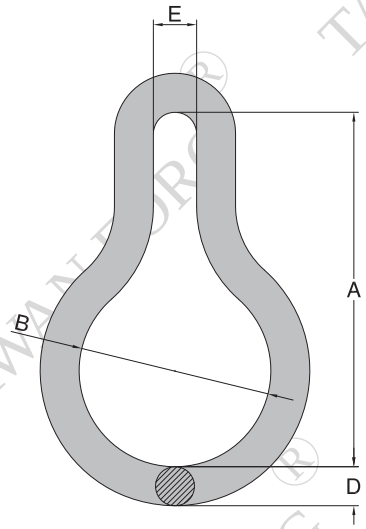
| Size | Stock No. | Weight Each (kg) | Working Load Limit (T)* | Dimensions (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | B | A | C | D | E | d | R | F | L |
| 20T | 1021020 | 4.2 | 20 | 76.5 | 42.5 | 100 | 25 | 36 | 34 | 3 | 85 | 185 |
| 15T | 1021015 | 2.8 | 15 | 67.5 | 37.5 | 95 | 17 | 32 | 30 | 2.5 | 75 | 170 |
| 12T | 1021010 | 1.7 | 12 | 49 | 24 | 74 | 16 | 28 | 25 | 2 | 48 | 122 |
| 10T | 1021010 | 0.82 | 10 | 40.25 | 18.75 | 63.5 | 14 | 22.6 | 21 | 1.5 | 37.5 | 101 |
| 5.6T | 1021056 | 2.1 | 5.6 | 58 | 30 | 90 | 21 | 32 | 28 | 1.5 | 60 | 150 |
| 4.4T | 1021044 | 1.5 | 4.4 | 50 | 25 | 80 | 18 | 30 | 25 | 1.5 | 50 | 130 |
| 3.2T | 1021032 | 0.9 | 3.2 | 42.5 | 22.5 | 65 | 14 | 30 | 20 | 1.5 | 45 | 110 |
| 3T | 1021003 | 0.8 | 3 | 39 | 19 | 64 | 13 | 30 | 20 | 1.5 | 38 | 102 |
| 1.5T | 1021002 | 0.4 | 1.5 | 33.5 | 17.5 | 80 | 12 | 28 | 16 | 1.5 | 35 | 85 |
| 1T | 1021001 | 0.2 | 1 | 27 | 15 | 40.25 | 10 | 25 | 12 | 1.5 | 30 | 70 |

*Ultimate Load is 5 times the Working Load Limit.

Regular Mark 常规标记： WLL1T CE TAWAN



TAWAN-022




## GRAB LINK 抓环

| Size | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (mm) | | | |
|---|---|---|---|---|---|---|---|
| | | | | A | B | E | D |
| 5/8 × 7/8 | 1022578 | 44000 | 3.19 | 162 | 98.4 | 22.2 | 15.9 |
| 1 × 7/8 | 1022178 | 44000 | 3.22 | 162 | 98.4 | 22.2 | 25.4 |

*Ultimate Load is 2 times the Working Load Limit.

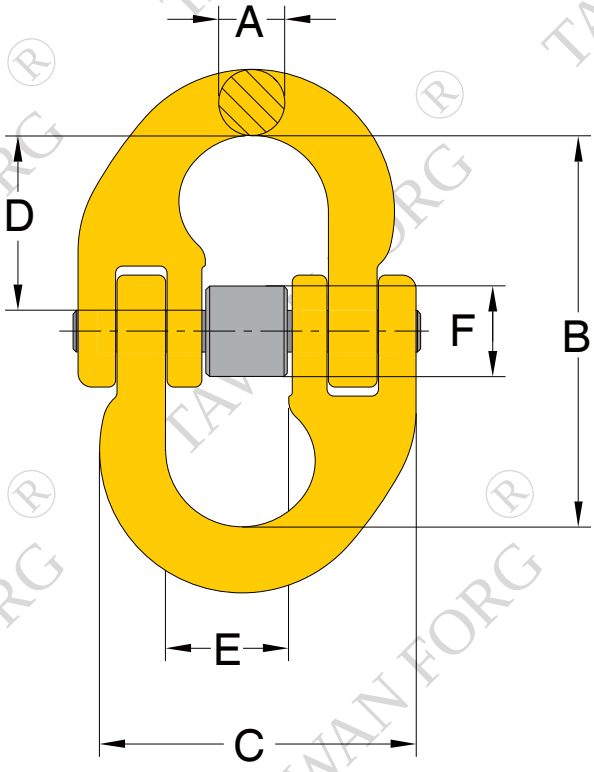
Regular Mark 常规标记： -

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-023




- Forged Alloy steel - Quenched and Tempered.
  锻造合金钢，经过热处理。
- individually prooof test at 2.5 times Working Load Limit.
  逐件按工作拉力的 2.5 倍进行验证测试。
- Suitable for use with both Grade 80 and Grade 100 chain.
  用于 80 级和 100 级链条。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003 。
- Also available in stainless steel.
  可供应不锈钢产品。

## U.S. TYPE G80 CONNECTING LINK 美标 G80 级双环扣

| Chain Size | | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | A | B | C | D | E | F |
| 1/4 | 7 | 1023014 | 4300 | 0.26 | 0.38 | 1.94 | 1.90 | 0.81 | 0.69 | 0.57 |
| 5/16 | 8 | 1023516 | 5700 | 0.35 | 0.37 | 2.35 | 2.07 | 0.99 | 0.72 | 0.64 |
| 3/8 | 10 | 1023038 | 8800 | 0.75 | 0.48 | 2.70 | 2.47 | 1.12 | 0.90 | 0.78 |
| 1/2 | 13 | 1023012 | 15000 | 1.60 | 0.68 | 3.45 | 3.31 | 1.44 | 1.12 | 0.97 |
| 5/8 | 16 | 1023058 | 22600 | 2.68 | 0.81 | 4.13 | 3.90 | 1.72 | 1.35 | 1.14 |
| 3/4 | 20 | 1023034 | 35300 | 5.00 | 0..93 | 4.62 | 4.62 | 2.03 | 1.62 | 1.28 |
| 7/8 | 22 | 1023078 | 42700 | 7.50 | 1.06 | 5.46 | 5.46 | 2.27 | 2.00 | 1.49 |
| 1 | 25 | 1023100 | 59700 | 11.03 | 1.22 | 5.98 | 6.13 | 2.44 | 2.25 | 1.76 |
| 1-1/4 | 32 | 1023114 | 90400 | 20.38 | 1.50 | 7.43 | 7.59 | 3.07 | 2.56 | 2.23 |

*Ultimate Load is 4 times the Working Load Limit.

### Regular Mark 常规标记

| MARK 标记 | 7/8 | G80 | WLL 42700LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

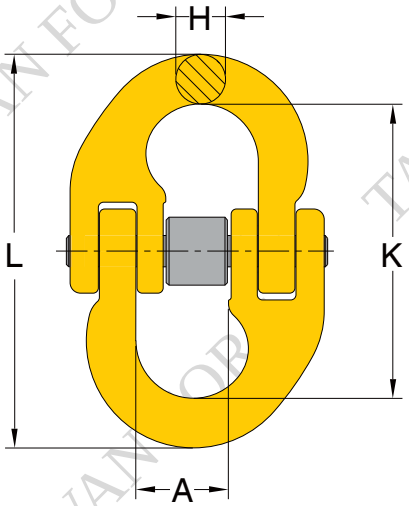
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# G80 CONNECTING LINK 80 级双环扣



TAWAN-024

- Forged supper alloy steel - Quenched and Tempered.
  选用高强度高韧性特殊合金钢锻造而成，经过热处理。
- Suitable for EN818-2 G80 chain.
  与 EN818-2 标准 G80 级链条配合使用。
- Individually proof test at 2.5 times Working Load Limit.
  逐件按工作拉力的 2.5 倍进行验证测试。
- Fatiuge tested at 1.5 times Working Load Limit for 20000 cycles.
  抽样进行 20000 次疲劳测试。
- Breakage test.
  对每一批次产品进行严格的抽样破断测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- All loas pins are 100% individually inspected and tested.
  所有销轴进行 100% 测试，确保相同的硬度品质。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Color code: Red RAL3020 / Yellow PAL1003
  色号：红色 RAL3020 / 黄色 PAL1003 。
- Also available in stainless steel.
  可供应不锈钢产品。




## G80 EUROPEAN TYPE CONNECTING LINK 80 级欧标双环扣

| Size (in.) | Stock No. | Working Load Limit (T)* | Breaking Load (T) | Weight Each (kg) | Dimensions (mm) | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | A±1.5 | L±2.5 | K±2 | H±1 |
| 6-8 | 1024068 | 1.12 | 4.48 | 0.08 | 15 | 58 | 42 | 7 |
| 7-8 | 1024078 | 1.5 | 6 | 0.145 | 19 | 71.8 | 54.8 | 8.5 |
| 7/8-8 | 1024788 | 2 | 8 | 0.146 | 18 | 79.5 | 60.5 | 8.5 |
| 8-8 | 1024088 | 2 | 8 | 0.16 | 19.5 | 79.5 | 60.5 | 8.5 |
| 10-8 | 1024108 | 3.15 | 12.6 | 0.30 | 25 | 90.5 | 68 | 11.5 |
| 13-8 | 1024138 | 5.3 | 21.2 | 0.65 | 29 | 117 | 87 | 15 |
| 16-8 | 1024168 | 8 | 32 | 1.15 | 34.5 | 148 | 108.4 | 19.8 |
| 18-8 | 1024188 | 10 | 40 | 1.84 | 38 | 154 | 112 | 21 |
| 20-8 | 1024208 | 12.5 | 50 | 2.1 | 41 | 169.5 | 121.5 | 24 |
| 22-8 | 1024228 | 15 | 60 | 2.87 | 48 | 193.5 | 141.5 | 26 |
| 26-8 | 1024268 | 21.2 | 84.8 | 4.5 | 57.5 | 220 | 158 | 30 |
| 32-8 | 1024328 | 31.5 | 126 | 8.21 | 67 | 281 | 205 | 37 |

*Ultimate Load is 4 times the Working Load Limit.

### Regular Mark 常规标记

| MARK 标记 | 5.3T | G80 | WLL 5.3T | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

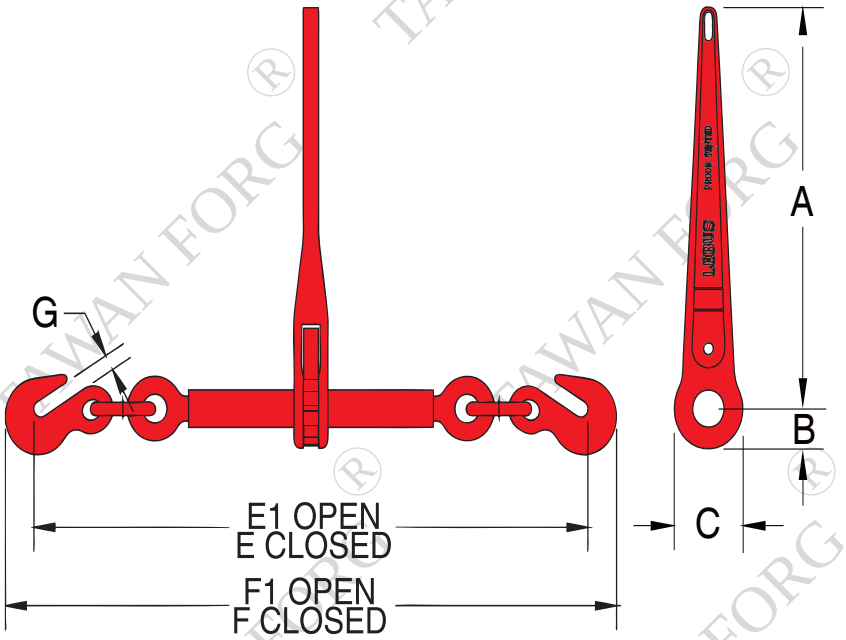
# LOAD BINDERS HOOKS

2


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TAWAN-025




## STANDARD RATCHET TYPE LOAD BINDER 棘轮式紧索具

| Min-Max Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Proof Load (lbs.) | Minimum Breaking Strngth (lbs.) | Weight Each (lbs.) | Handle ength (in.) | Dimensions (in.) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | B | C | E | E1 | F1 | G |
| 1/4-5/16 | 2025145 | 2200 | 4400 | 7800 | 1.600 | 7.16 | 7.16 | 0.89 | 1.77 | 16.22 | 17.79 | 21.62 | 0.35 |
| 5/16-3/8 | 2025516 | 5400 | 10800 | 19000 | 4.773 | 13.42 | 13.92 | 1.30 | 2.60 | 22.64 | 25.24 | 30.64 | 0.51 |
| 3/8-1/2 | 2025381 | 9200 | 18400 | 33000 | 5.864 | 13.92 | 13.92 | 1.30 | 2.60 | 24.13 | 27.04 | 32.13 | 0.59 |
| 1/2-5/8 | 2025258 | 13000 | 26000 | 46000 | 6.536 | 13.92 | 13.92 | 1.30 | 2.60 | 26.45 | 30.07 | 34.45 | 0.71 |

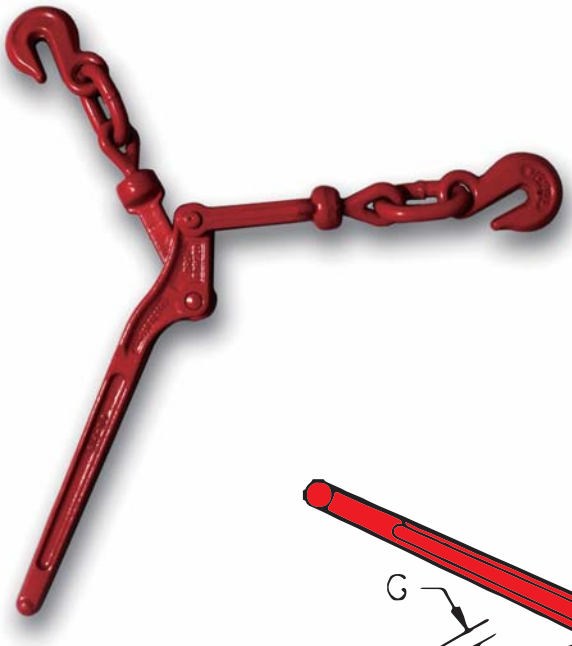
*Ultimate Load is 3 times the Working Load Limit.

### Regular Mark 常规标记

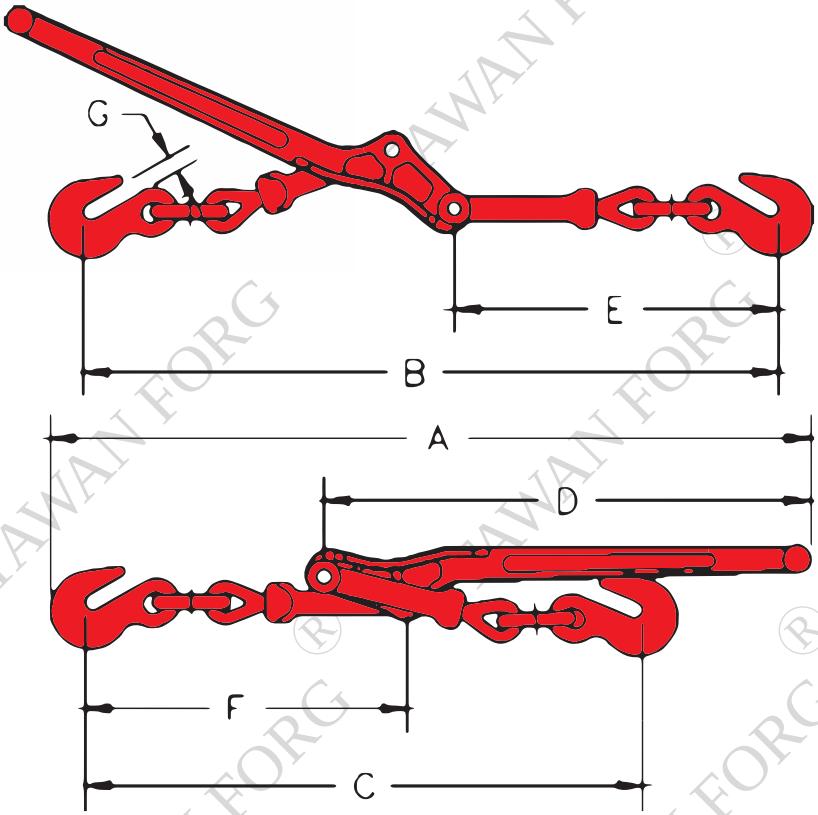
| MARK 标记 | 5/16 × 3/8 | G70 | WLL 5400LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 70 等级 70 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-026




## STANDARD LEVER TYPE LOAD BINDER 杠杆式紧索具

| Min-Max Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Proof Load (lbs.) | Ultimate Load (lbs.) | Weight Each (lbs.) | Handle ength (in.) | Dimensions (in.) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | B | C | D | E | F | G |
| 1/4-5/16 | 2026145 | 2200 | 4400 | 7800 | 1.600 | 11.42 | 18.50 | 17.30 | 14.17 | 11.42 | 8.27 | 8.07 | 0.35 |
| 5/16-3/8 | 2026516 | 5400 | 10800 | 19000 | 4.773 | 15.43 | 25.20 | 23.20 | 19.49 | 15.55 | 11.22 | 11.22 | 0.51 |
| 3/8-1/2 | 2026381 | 9200 | 18400 | 33000 | 5.864 | 17.24 | 28.50 | 26.38 | 22.05 | 17.64 | 12.99 | 12.20 | 0.59 |
| 1/2-5/8 | 2026258 | 13000 | 26000 | 46000 | 6.536 | 21.00 | 33.86 | 30.12 | 25.87 | 20.87 | 14.37 | 14.37 | 0.74 |

*Ultimate Load is 3 times the Working Load Limit.

### Regular Mark 常规标记

| MARK 标记 | 5/16 × 3/8 | G70 | WLL 5400LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 70 等级 70 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

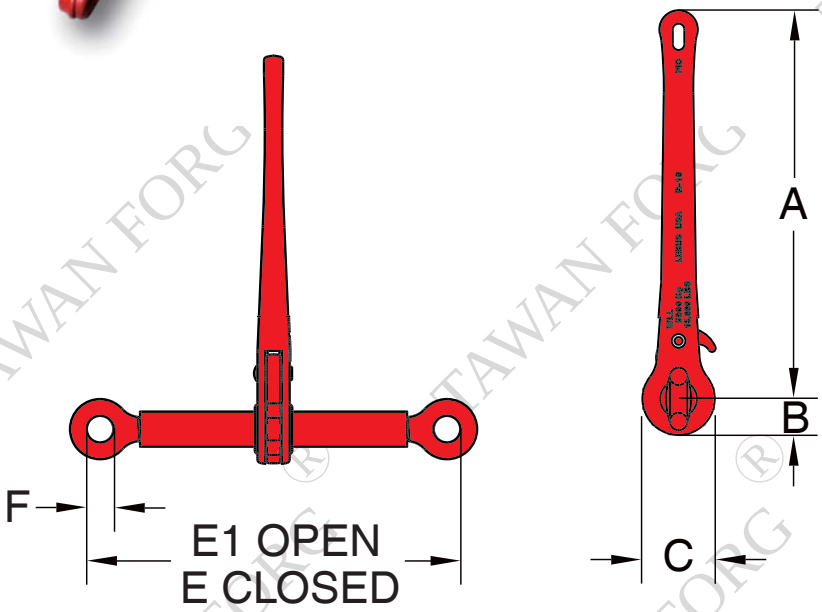
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-027




## STANDARD RATCHET TYPE LOAD BINDER 棘轮式紧索具

| Min-Max Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Proof Load (lbs.) | Minimum Breaking Strngth (lbs.) | Weight Each (lbs.) | Handle ength (in.) | Dimensions (in.) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | B | C | E | E1 | F1 |
| 5/16-3/8 | 2027516 | 5400 | 10800 | 19000 | 3.545 | 13.42 | 13.92 | 1.30 | 2.60 | 22.64 | 21.70 | 0.79 |
| 3/8-1/2 | 2027381 | 9200 | 18400 | 33000 | 3.545 | 13.92 | 13.92 | 1.30 | 2.60 | 24.13 | 21.70 | 1.02 |
| 1/2-5/8 | 2027258 | 13000 | 26000 | 46000 | 3.864 | 13.92 | 13.92 | 1.30 | 2.60 | 26.45 | 22.17 | 1.02 |

*Ultimate Load is 3 times the Working Load Limit.

### Regular Mark 常规标记

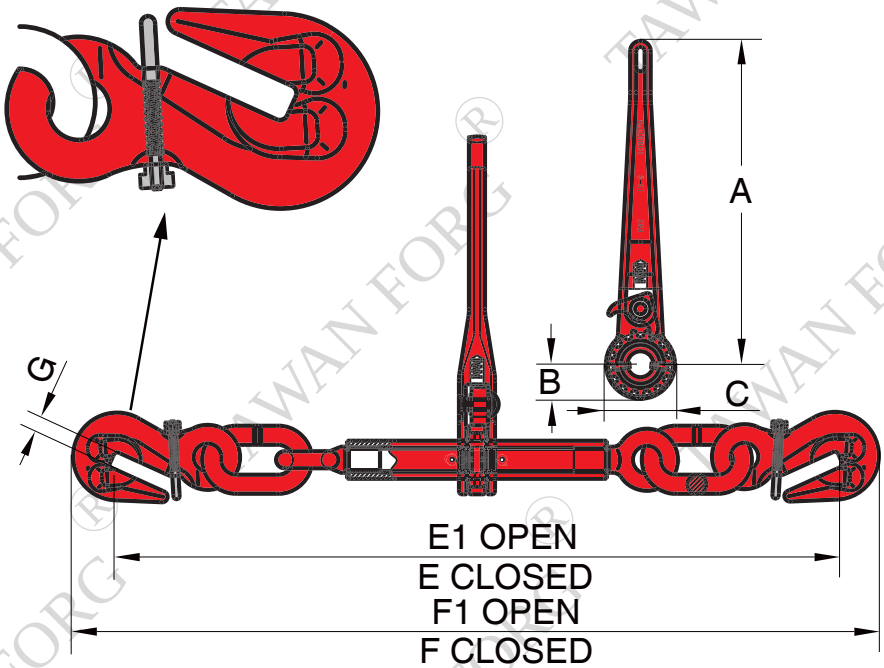
| MARK 标记 | 5/16 × 3/8 | G70 | WLL 5400LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 70 等级 70 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

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**⚠ WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-028




## EUROPEAN TYPE RACHET TYPE LOAD BINDER 欧式棘轮式紧索具

| Min-Max Chain Size (mm) | Stock No. | Working Load Limit (lbs.) * | Proof Load (lbs.) | Minimum Breaking Strngth (lbs.) | Weight Each (lbs.) | Handle ength (in.) | Dimensions (in.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | B | C | E | E1 | F | F1 | G |
| 6 | 2028006 | 2200 | 4400 | 7800 | 3.52 | 7.16 | 7.15 | 0.89 | 1.77 | 17.4 | 22.04 | 19.2 | 23.84 | 0.35 |
| 8 | 2028008 | 5400 | 10800 | 19000 | 10.50 | 13.92 | 13.92 | 1.3 | 2.6 | 23.78 | 31.78 | 26.14 | 34.14 | 0.47 |
| 10 | 2028010 | 9200 | 18400 | 33000 | 12.20 | 13.92 | 13.92 | 1.3 | 2.6 | 23.82 | 31.82 | 26.93 | 34.93 | 0.63 |
| 13 | 2028013 | 13000 | 26000 | 46000 | 14.38 | 13.92 | 13.92 | 1.3 | 2.6 | 25.9 | 33.9 | 29.57 | 34.57 | 0.72 |
| 16 | 2028016 | 24000 | 48000 | 72000 | 19.00 | 13.92 | 13.92 | 1.3 | 2.6 | 26.5 | 34.8 | 31.6 | 39.9 | 0.92 |

*Ultimate Load is 3 times the Working Load Limit.

### Regular Mark 常规标记

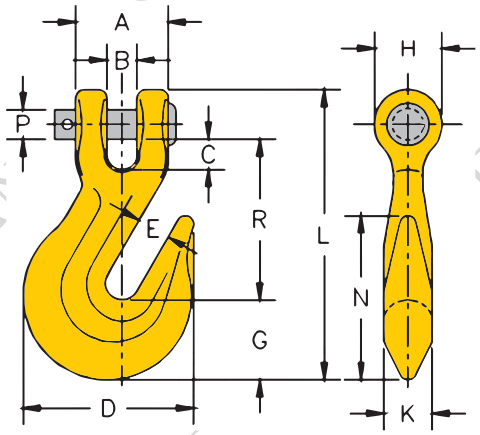
| MARK 标记 | 10mm | G80 | WLL 9200LBS | TAWAN | CE | 11-1 |
|---|---|---|---|---|---|---|
| DESCRIPTION 说明 | SIZE 尺寸 | GRADE 80 等级 80 级 | WORKING LOAD LIMIT 工作拉力 | MANUFACTURER 生产商标记 | CE CERTIFICATE CE 认证标志 | BATCH NUMBER 生产批号 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-029




## CLEVIS GRAB HOOKS 羊角抓钩

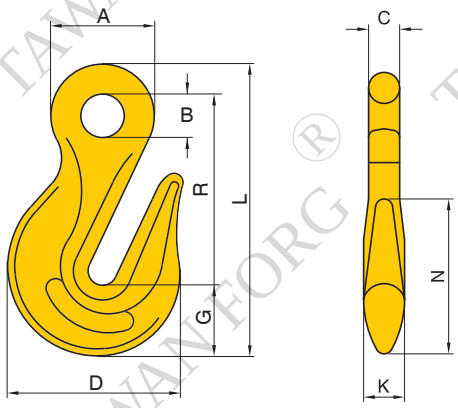
| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carbon (G43) | Alloy (G70) | | A | B | C | D | E | G | H | K | L | N | P | R |
| 1/4 | 2029014 | 2600 | 3500 | 0.36 | 1.00 | 0.32 | 0.31 | 1.81 | 0.34 | 0.88 | 0.72 | 0.47 | 3.05 | 1.75 | 0.31 | 1.64 |
| 5/16 | 2029516 | 3900 | 4700 | 0.62 | 1.22 | 0.43 | 0.36 | 2.12 | 0.44 | 0.97 | 0.91 | 0.59 | 3.66 | 2.06 | 0.38 | 2.02 |
| 3/8 | 2029038 | 5400 | 7100 | 1.00 | 1.42 | 0.48 | 0.49 | 2.53 | 0.50 | 1.17 | 1.00 | 0.72 | 4.42 | 2.34 | 0.44 | 2.41 |
| 7/16 | 2029716 | 7200 | 8750 | 1.31 | 1.66 | 0.66 | 0.62 | 3.09 | 0.56 | 1.31 | 1.13 | 0.69 | 4.94 | 2.66 | 0.56 | 2.75 |
| 1/2 | 2029012 | 9200 | 12000 | 2.22 | 1.88 | 0.57 | 0.51 | 3.56 | 0.66 | 1.53 | 1.25 | 0.78 | 5.72 | 2.97 | 0.63 | 3.19 |
| 5/8 | 2029058 | 13000 | 18100 | 4.41 | 2.31 | 0.71 | 0.67 | 4.39 | 0.78 | 1.78 | 1.56 | 1.09 | 6.83 | 4.31 | 0.75 | 4.09 |
| 3/4 | 2029043 | 20200 | 24700 | 6.50 | 2.62 | 0.94 | 0.94 | 5.22 | 0.94 | 2.13 | 1.88 | 1.31 | 8.13 | 5.09 | 0.88 | 4.63 |

*G43：Ultimate load is 3 times The Working Load Limit;G70: Ultimate load is 4 times The Working Load Limit.

Regular Mark 常规标记： G70: G70 1/4 FORGED G43: G43 HIGH TEST FORGED 1/4




TAWAN-030




## EYE GRAB HOOKS 羊角滑钩

| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carbon (G43) | Alloy (G70) | | A | B | C | D | E | G | K | L | N | R |
| 1/4 | 2030014 | 2600 | 3500 | 0.28 | 1.09 | 0.53 | 0.31 | 1.81 | 0.34 | 0.88 | 0.47 | 3.05 | 1.75 | 1.88 |
| 5/16 | 2030516 | 3900 | 4700 | 0.45 | 1.31 | 0.62 | 0.38 | 2.12 | 0.44 | 0.97 | 0.59 | 3.59 | 2.06 | 2.28 |
| 3/8 | 2030038 | 5400 | 7100 | 0.79 | 1.56 | 0.75 | 0.44 | 2.53 | 0.50 | 1.17 | 0.72 | 4.28 | 2.34 | 2.69 |
| 1/2 | 2030012 | 9200 | 12000 | 1.75 | 1.94 | 0.88 | 0.53 | 3.56 | 0.66 | 1.53 | 0.78 | 5.44 | 2.97 | 3.38 |
| 5/8 | 2030058 | 13000 | 18100 | 3.25 | 2.38 | 1.06 | 0.66 | 4.41 | 0.78 | 1.89 | 1.00 | 6.66 | 3.78 | 4.11 |
| 3/4 | 2030034 | 20200 | 24700 | 5.95 | 2.88 | 1.38 | 0.75 | 5.22 | 0.94 | 2.13 | 1.31 | 8.06 | 5.09 | 5.16 |

*G43：Ultimate load is 3 times The Working Load Limit;G70: Ultimate load is 4 times The Working Load Limit.

Regular Mark 常规标记： G70: G70 1/4 FORGED G43: G43 HIGH TEST FORGED 1/4

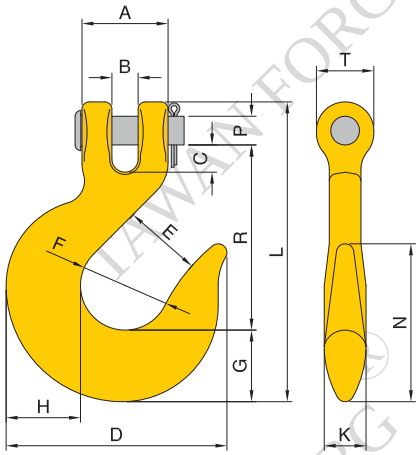


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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-031




## CLEVIS SLIP HOOKS 羊角滑钩

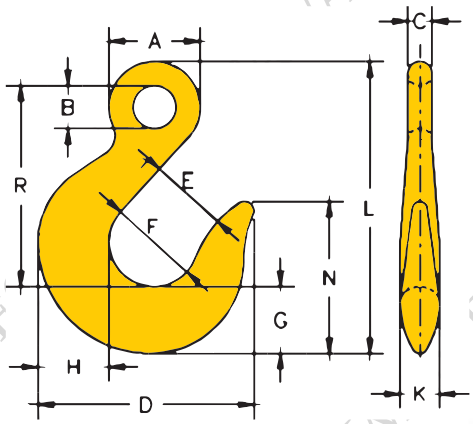
| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carbon (G43) | Alloy (G70) | | A | B | C | D | E | F | G | H | K | L | N | P | R | T |
| 1/4 | 2031014 | 1950 | 2750 | 0.55 | 1.06 | 0.32 | 0.29 | 2.75 | 0.94 | 0.88 | 0.81 | 0.88 | 0.50 | 3.95 | 2.13 | 0.31 | 2.58 | 0.81 |
| 5/16 | 2031516 | 2875 | 4300 | 0.79 | 1.22 | 0.43 | 0.34 | 3.06 | 1.06 | 0.97 | 0.94 | 1.00 | 0.56 | 4.52 | 2.25 | 0.38 | 2.87 | 0.97 |
| 3/8 | 2031038 | 4000 | 5250 | 1.21 | 1.38 | 0.48 | 0.44 | 3.63 | 1.31 | 1.17 | 1.13 | 1.19 | 0.66 | 5.15 | 2.56 | 0.44 | 3.25 | 1.06 |
| 7/16 | 2031716 | 5000 | 7000 | 2.06 | 1.73 | 0.66 | 0.60 | 4.34 | 1.56 | 1.31 | 1.38 | 1.44 | 0.81 | 5.97 | 3.06 | 0.56 | 3.70 | 1.19 |
| 1/2 | 2031012 | 6500 | 9000 | 2.75 | 1.88 | 0.57 | 0.53 | 4.81 | 1.69 | 1.53 | 1.56 | 1.63 | 0.91 | 6.53 | 3.44 | 0.63 | 4.00 | 1.31 |
| 5/8 | 2031058 | 9250 | 13500 | 4.75 | 2.31 | 0.71 | 0.71 | 5.63 | 2.00 | 1.78 | 1.81 | 1.94 | 1.09 | 7.89 | 4.00 | 0.75 | 4.94 | 1.56 |
| 3/4 | 2031034 | - | 19250 | 11.28 | 3.19 | 0.94 | 1.29 | 7.38 | 2.50 | 2.13 | 2.38 | 2.50 | 1.44 | 10.0 | 5.06 | 1.00 | 6.09 | 2.09 |

*G43：Ultimate load is 3 times The Working Load Limit;G70: Ultimate load is 4 times The Working Load Limit.

Regular Mark 常规标记： G70: G70 1/4 FORGED G43: G43 HIGH TEST FORGED 1/4



TAWAN-032




## EYE SLIP HOOKS 眼型滑钩

| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carbon (G43) | Alloy (G70) | | A | B | C | D | E | F | G | H | K | L | N | R |
| 1/4 | 2032014 | 1950 | 2750 | 0.40 | 1.06 | 0.50 | 0.28 | 2.75 | 0.94 | 1.19 | 0.81 | 0.88 | 0.50 | 3.66 | 2.13 | 2.56 |
| 5/16 | 2032516 | 2875 | 4300 | 0.64 | 1.25 | 0.63 | 0.34 | 3.06 | 1.06 | 1.25 | 0.94 | 1.00 | 0.56 | 4.23 | 2.25 | 2.95 |
| 3/8 | 2032038 | 4000 | 5250 | 1.10 | 1.53 | 0.72 | 0.41 | 3.63 | 1.31 | 1.50 | 1.13 | 1.19 | 0.66 | 4.89 | 2.56 | 3.36 |
| 7/16 | 2032716 | 5000 | 7000 | 1.56 | 1.69 | 0.81 | 0.44 | 4.34 | 1.56 | 1.81 | 1.38 | 1.44 | 0.81 | 5.70 | 3.06 | 3.88 |
| 1/2 | 2032012 | 6500 | 9000 | 2.09 | 1.94 | 0.94 | 0.50 | 4.81 | 1.69 | 1.94 | 1.56 | 1.63 | 0.91 | 6.34 | 3.44 | 4.28 |
| 5/8 | 2032058 | 9250 | 13500 | 3.90 | 2.38 | 1.13 | 0.63 | 5.63 | 2.00 | 2.38 | 1.81 | 1.94 | 1.09 | 7.86 | 4.00 | 5.22 |
| 3/4 | 2032034 | 12500 | 19250 | 6.93 | 2.88 | 1.38 | 0.75 | 6.75 | 2.13 | 2.75 | 2.19 | 2.31 | 1.31 | 8.73 | 4.75 | 5.80 |

*G43：Ultimate load is 3 times The Working Load Limit;G70: Ultimate load is 4 times The Working Load Limit.

Regular Mark 常规标记： G70: G70 1/4 FORGED G43: G43 HIGH TEST FORGED 1/4

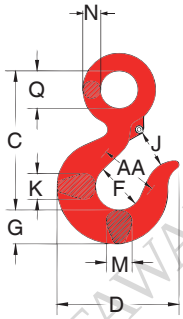
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-033




## EYE HOIST HOOKS WITH LATCH 眼型货钩

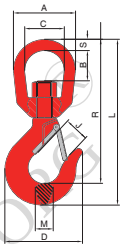
| Working Load Limit (t)* | | Stock No. | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon | Alloy | | | C | D | F | G | J | K | M | N | Q | AA |
| 3/4 | 1 | 2033034 | 0.61 | 3.34 | 2.83 | 1.25 | 0.73 | 0.90 | 0.63 | 0.63 | 0.36 | 0.75 | 1.50 |
| 1 | 1-1/2 | 2033001 | 0.89 | 3.81 | 3.11 | 1.38 | 0.84 | 0.93 | 0.71 | 0.71 | 0.42 | 0.91 | 2.00 |
| 1-1/2 | 2 | 2033112 | 1.44 | 4.14 | 3.53 | 1.50 | 1.00 | 1.00 | 0.88 | 0.88 | 0.55 | 1.13 | 2.00 |
| 2 | 3 | 2033003 | 2.07 | 4.69 | 3.97 | 1.63 | 1.13 | 1.13 | 0.94 | 0.94 | 0.58 | 1.25 | 2.00 |
| 3 | 5 | 2033003 | 4.30 | 5.77 | 4.81 | 2.00 | 1.44 | 1.47 | 1.31 | 1.31 | 0.72 | 1.56 | 2.50 |
| 5 | 7 | 2033005 | 8.30 | 7.37 | 6.27 | 2.50 | 1.81 | 1.75 | 1.66 | 1.66 | 0.90 | 2.00 | 3.00 |
| 7-1/2 | 11 | 2033712 | 15.00 | 9.07 | 7.45 | 3.00 | 2.25 | 2.29 | 1.88 | 1.63 | 1.11 | 2.44 | 4.00 |
| 10 | 15 | 2033010 | 20.77 | 10.08 | 8.30 | 3.25 | 2.59 | 2.50 | 2.19 | 1.94 | 1.27 | 2.84 | 4.00 |
| 15 | 22 | 2033015 | 39.50 | 12.53 | 10.30 | 4.25 | 3.00 | 3.30 | 2.69 | 2.38 | 1.56 | 3.50 | 5.00 |
| 20 | 30 | 2033020 | 60.00 | 14.06 | 13.62 | 5.00 | 3.62 | 4.00 | 3.00 | 3.00 | 1.75 | 3.50 | 6.50 |
| 25 | 37 | 2033025 | 105.00 | 18.19 | 14.06 | 5.38 | 4.56 | 4.25 | 3.75 | 3.19 | 2.00 | 4.50 | 7.00 |
| 30 | 45 | 2033030 | 148.00 | 20.12 | 15.44 | 6.00 | 5.06 | 4.75 | 4.50 | 3.25 | 2.18 | 4.94 | 8.00 |
| 40 | 60 | 2033040 | 228.00 | 23.72 | 18.50 | 7.00 | 6.00 | 5.75 | 5.50 | 3.91 | 2.53 | 5.69 | 10.00 |

*Ultimate load is 5 times The Working Load Limit.

Regular Mark 常规标记： ALLOY WLL4.5T CE



TAWAN-034




## SWIVEL HOOKS WITH LATCH 旋转货钩

| Working Load Limit (t)* | | Stock No. | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon | Alloy | | | A | B | C | D | J | L | M | R | S |
| 3/4 | 1 | 2034034 | 0.75 | 2.00 | 0.82 | 1.25 | 2.86 | 0.93 | 5.66 | 0.63 | 4.55 | 0.38 |
| 1 | 1-1/2 | 2034001 | 1.25 | 2.50 | 1.31 | 1.50 | 3.15 | 0.97 | 6.71 | 0.71 | 5.37 | 0.50 |
| 1-1/2 | 2 | 2034112 | 2.25 | 3.00 | 1.50 | 1.75 | 3.56 | 1.06 | 7.75 | 0.88 | 6.12 | 0.63 |
| 2 | 3 | 2034002 | 2.30 | 3.00 | 1.50 | 1.75 | 4.00 | 1.19 | 8.25 | 0.94 | 6.50 | 0.63 |
| 3 | 5 | 2034003 | 4.96 | 3.50 | 1.64 | 2.00 | 4.84 | 1.50 | 9.69 | 1.13 | 7.50 | 0.75 |
| 5 | 7 | 2034005 | 10.29 | 4.56 | 2.29 | 2.50 | 6.28 | 1.78 | 12.47 | 1.44 | 9.63 | 1.00 |
| 7-1/2 | 11 | 2034712 | 19.40 | 5.00 | 2.44 | 2.75 | 7.54 | 2.41 | 14.75 | 1.63 | 11.37 | 1.13 |
| 10 | 15 | 2034010 | 23.25 | 5.62 | 2.48 | 3.12 | 8.34 | 2.62 | 16.40 | 1.94 | 12.25 | 1.25 |
| 15 | 22 | 2034015 | 47.00 | 7.10 | 3.76 | 4.10 | 10.34 | 3.41 | 21.34 | 2.38 | 16.71 | 1.50 |
| - | 30 | 2034030 | 70.50 | 7.10 | 3.76 | 4.10 | 13.62 | 4.00 | 23.25 | 3.00 | 18.01 | 1.50 |

*Carbon： Ultimate load is 5 times The Working Load Limit;Alloy: Ultimate load is 4.5 times The Working Load Limit.

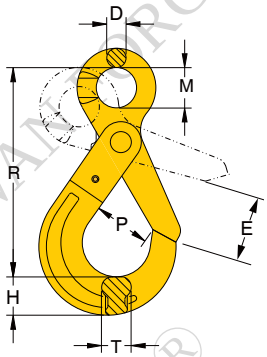
Regular Mark 常规标记： ALLOY WLL4.5T CE

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-035




## G80 EYE SELFLOCK HOOK 80 级眼型自锁钩

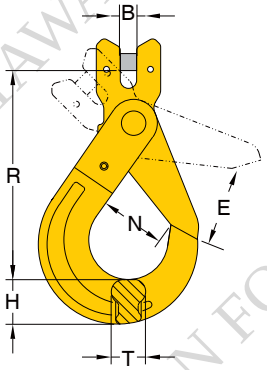
| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | M±1 | R±2.5 | D±1 | P±1 | H±1 | E±2 | T±1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2035068 | 0.5 | 1.12 | 4.48 | 22 | 110.5 | 10 | 34 | 19.5 | 28 | 15 |
| 7/8-8 | 203578 | 0.8 | 2 | 8 | 25 | 136 | 12 | 46 | 24 | 34 | 20 |
| 10-8 | 2035108 | 1.43 | 3.15 | 12.6 | 32 | 171 | 15 | 56 | 30 | 44 | 26 |
| 13-8 | 2035138 | 2.86 | 5.3 | 21.2 | 40.5 | 208.5 | 19.5 | 69 | 40 | 52 | 30 |
| 16-8 | 2035168 | 5.64 | 8 | 32 | 56 | 257.5 | 22 | 86 | 50.5 | 60 | 36 |
| 20-8 | 2035208 | 7.6 | 12.5 | 50 | 64.5 | 275 | 27 | 100 | 55 | 81 | 48 |
| 22-8 | 2035228 | 13 | 15 | 60 | 70 | 320 | 30 | 98 | 67 | 82 | 49 |
| 26-8 | 2035268 | 18 | 21.2 | 84.8 | 80 | 363 | 34 | 110 | 75 | 110 | 56 |
| 32-8 | 2035328 | 44.5 | 31.5 | 126 | 105 | 472 | 45 | 166 | 97 | 168 | 63 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER



TAWAN-036




## G80 EYE SELFLOCK HOOK 80 级眼型自锁钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | E±2 | B±0.5 | H±1 | N±1 | R | T±1 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2036068 | 0.5 | 1.12 | 4.48 | 29 | 8.5 | 19.5 | 34 | 95.5 | 15 |
| 7/8-8 | 2036788 | 0.8 | 2 | 8 | 34 | 9.5 | 24 | 46 | 121 | 20 |
| 10-8 | 2036108 | 1.5 | 3.15 | 12.6 | 44 | 12 | 30 | 56 | 146 | 26 |
| 13-8 | 2036138 | 2.8 | 5.3 | 21.2 | 52 | 15 | 40 | 69 | 182 | 30 |
| 16-8 | 2036168 | 5.6 | 8 | 32 | 60 | 18 | 50.5 | 86 | 218 | 36 |
| 20-8 | 2026208 | 7.5 | 12.5 | 50 | 83 | 25 | 55 | 100 | 240 | 48 |
| 22-8 | 2036228 | 11.5 | 15 | 60 | 88 | 25.5 | 67 | 98 | 276.5 | 49 |
| 26-8 | 2036268 | 18.5 | 21.2 | 84.8 | 95.5 | 30 | 75 | 110 | 310.5 | 56 |
| 32-8 | 2036328 | 49.1 | 31.5 | 126 | 160 | 36 | 97 | 166 | 400.5 | 63 |

*Ultimate Load is 4 times the Working Load Limit.

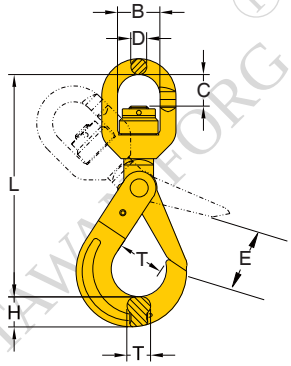
Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-037




## G80 EYE SELFLOCK HOOK 80 级眼型自锁钩

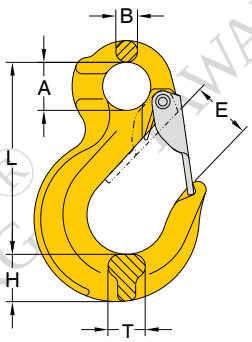
| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | B±1 | C±2.5 | D±1 | L±2 | T±1.5 | H±1 | E±2 | T±1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2037068 | 0.71 | 1.12 | 4.48 | 32.5 | 22 | 11.25 | 150.5 | 34 | 19.5 | 29 | 15 |
| 7/8-8 | 2037788 | 1.1 | 2 | 8 | 35.5 | 26 | 12.5 | 186 | 46 | 24 | 34 | 20 |
| 10-8 | 2037108 | 2.0 | 3.15 | 12.6 | 42 | 34 | 15 | 217 | 56 | 30 | 44 | 26 |
| 13-8 | 2037138 | 4.0 | 5.3 | 21.2 | 50 | 38.5 | 16 | 262 | 69 | 40 | 52 | 30 |
| 16-8 | 2037168 | 7.3 | 8 | 32 | 61 | 55 | 21.5 | 332.5 | 86 | 50.5 | 60 | 36 |
| 20-8 | 2037208 | 11.6 | 12.5 | 50 | 72 | 61 | 26 | 363 | 100 | 55 | 83 | 48 |
| 22-8 | 2037228 | 16.0 | 15 | 60 | 95 | 95 | 33 | 351 | 98 | 67 | 88 | 49 |
| 26-8 | 2037268 | 21.5 | 21.2 | 84.8 | 122 | 115 | 42 | 452 | 110 | 75 | 95.5 | 56 |
| 32-8 | 2037328 | 79 | 31.5 | 126 | 140 | 126 | 52 | 680 | 166 | 97 | 150 | 63 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER



TAWAN-038




## G80 EYE SLING HOOK WITH CAST LATCH 80 级铸舌眼型吊钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | B±2 | E±1 | H±1 | L±1 | A±1 | T±1 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2038068 | 0.3 | 1.12 | 4.48 | 29 | 24 | 20 | 88 | 20 | 16 |
| 7/8-8 | 2038788 | 0.4 | 2 | 8 | 34 | 30 | 23 | 112 | 25 | 20 |
| 10-8 | 2038108 | 0.9 | 3.15 | 12.6 | 44 | 34 | 31 | 136 | 38 | 23 |
| 13-8 | 2038138 | 1.7 | 5.3 | 21.2 | 52 | 39 | 38 | 175 | 43 | 28 |
| 16-8 | 2038168 | 3.2 | 8 | 32 | 60 | 46 | 47 | 208 | 50 | 32 |
| 20-8 | 2038208 | 5.8 | 12.5 | 50 | 83 | 48 | 48 | 257 | 63 | 43 |
| 22-8 | 2038228 | 8.5 | 15 | 60 | 88 | 71 | 62 | 286 | 62 | 50 |
| 26-8 | 2038268 | 13 | 21.2 | 84.8 | 95.5 | 81 | 80 | 314 | 64 | 60 |
| 32-8 | 2038328 | 17 | 31.5 | 126 | 160 | 102 | 86 | 394 | 88 | 65 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

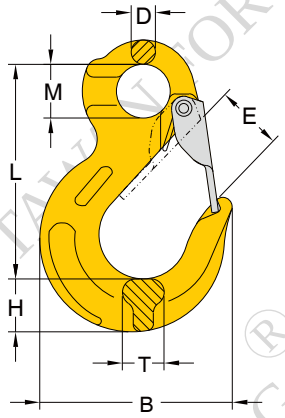


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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-039




## G80 EYE SLING HOOK WITH CAST LATCH 80 级含铸舌眼型吊钩

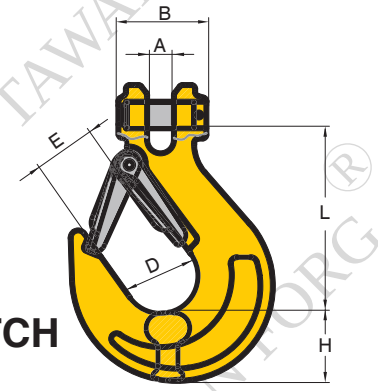
| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | D±1 | E±1 | H±1 | L±2 | M±1 | T±1 | B±1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2039068 | 0.3 | 1.12 | 4.48 | 9 | 18.5 | 20 | 89 | 20.5 | 16 | 68 |
| 7/8-8 | 2039788 | 0.55 | 2 | 8 | 11 | 22 | 27 | 106.5 | 25 | 20 | 84 |
| 10-8 | 2039108 | 1.05 | 3.15 | 12.6 | 14 | 28 | 33 | 134.5 | 34 | 23 | 102.5 |
| 13-8 | 2039138 | 1.75 | 5.3 | 21.2 | 17.5 | 35 | 40 | 167.5 | 42.5 | 28 | 128.5 |
| 16-8 | 2039168 | 3.2 | 8 | 32 | 22 | 43 | 48 | 205 | 52 | 32 | 156.5 |
| 20-8 | 2039208 | 5.3 | 12.5 | 50 | 26 | 51.5 | 56 | 244 | 62 | 43 | 187 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER



TAWAN-040




## G80 CLEVIS SELFLOCK HOOK WITH CAST LATCH 80 级含铸舌羊角吊钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±0.5 | B±1.5 | D±1 | H±1 | L±2 | E±1 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2040068 | 0.32 | 1.12 | 4.48 | 8 | 32 | 35 | 23 | 76 | 26 |
| 7/8-8 | 2040788 | 0.48 | 2 | 8 | 9.5 | 37 | 37 | 32.5 | 85.5 | 29 |
| 10-8 | 2040108 | 0.95 | 3.15 | 12.6 | 13 | 49 | 46 | 35 | 104 | 39 |
| 13-8 | 2040138 | 1.8 | 5.3 | 21.2 | 16.5 | 56.5 | 56 | 42.5 | 128 | 47 |
| 16-8 | 2040168 | 3.4 | 8 | 32 | 21.5 | 70.5 | 60 | 54 | 150 | 55 |
| 20-8 | 2040208 | 6 | 12.5 | 50 | 24 | 77 | 79 | 58 | 180 | 61 |
| 22-8 | 2040228 | 10.4 | 15 | 60 | 27 | 91 | 101 | 62 | 213 | 72 |
| 26-8 | 2040268 | 14.5 | 21.2 | 84.8 | 30 | 117 | 115 | 75 | 250 | 85 |
| 32-8 | 2040428 | 27 | 31.5 | 126 | 35 | 150 | 140 | 88 | 317 | 106 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

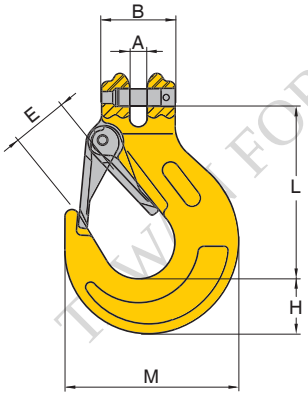
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-041




## G80 CLEVIS SELFLOCK HOOK WITH CAST LATCH
## 80 级含铸舌羊角吊钩

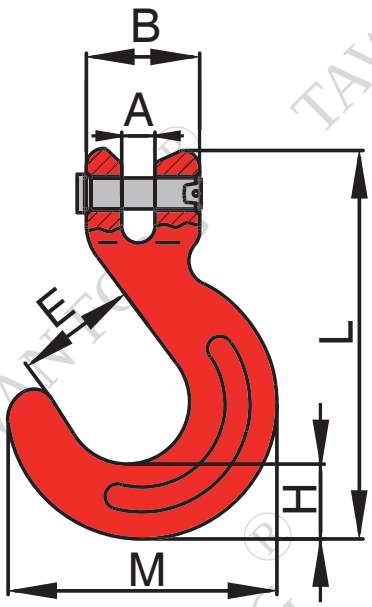
| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±0.5 | B±1.2 | E±1 | H±2 | L±2 | M±2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2041068 | 0.3 | 1.12 | 4.48 | 7.5 | 32 | 19.5 | 20 | 88 | 68 |
| 7/8-8 | 2041788 | 0.55 | 2 | 8 | 9.5 | 38.5 | 24 | 25 | 106 | 85.5 |
| 10-8 | 2041108 | 0.96 | 3.15 | 12.6 | 13 | 48 | 28 | 36 | 127.5 | 106 |
| 13-8 | 2041138 | 1.52 | 5.3 | 21.2 | 16.5 | 55 | 34.5 | 41.6 | 154.4 | 130 |
| 16-8 | 2041168 | 3.43 | 8 | 32 | 18.5 | 65.5 | 43 | 46.2 | 189.8 | 155.5 |
| 20-8 | 2041208 | 6.73 | 12.5 | 50 | 24 | 92 | 51.5 | 51 | 230 | 180 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER



TAWAN-042




## G80 CONTAINER HOOK 80 级集装箱吊钩

| Size (mm) | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A | B | E | H | M | L |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 2042013 | 1.5 | 5 | 20 | 7.5 | 32 | 19.5 | 20 | 88 | 68 |

*Ultimate Load is 4 times the Working Load Limit.

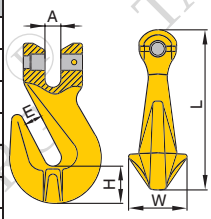
Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

## G80 CLEVIS GRAB HOOK 80 级羊角翅钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | E±1 | A±0.5 | H±1 | W±1 | L±2 |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2043068 | 0.25 | 1.12 | 4.48 | 8.3 | 8 | 17.7 | 26.7 | 75 |
| 7/8-8 | 2043788 | 0.32 | 2 | 8 | 11 | 9.5 | 18.5 | 33.5 | 89 |
| 10-8 | 2043108 | 0.73 | 3.15 | 12.6 | 13 | 12.5 | 29 | 46 | 126 |
| 13-8 | 2043138 | 1.6 | 5.3 | 21.2 | 16.5 | 15 | 42.7 | 57.5 | 163.5 |
| 16-8 | 2043168 | 2.8 | 8 | 32 | 19 | 18.5 | 45 | 74 | 183.5 |
| 20-8 | 2043208 | 5 | 12.5 | 50 | 24 | 23 | 56 | 74 | 219 |
| 22-8 | 2043228 | 6.3 | 15 | 60 | 27 | 27 | 68.5 | 90 | 254 |
| 26-8 | 2043268 | 14.5 | 21.2 | 84.8 | 30 | 30 | 77 | 102 | 309 |



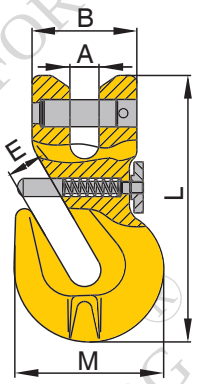

**TAWAN-043**

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

## G80 CLEVIS GRAB HOOK WITH SAFTY PIN
## 80 级带安全销羊角翅钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±0.5 | B±1.2 | E±0.5 | M±2 | L±2 |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2044068 | 0.28 | 1.12 | 4.48 | 8 | 32 | 8 | 43.5 | 75 |
| 7/8-8 | 2044788 | 0.33 | 2 | 8 | 9.5 | 35 | 11 | 19.5 | 89 |
| 10-8 | 2044108 | 0.88 | 3.15 | 12.6 | 12.5 | 42.5 | 13.2 | 70.5 | 126.5 |
| 13-8 | 2044138 | 1.85 | 5.3 | 21.2 | 15 | 63 | 16.5 | 90 | 163.5 |
| 16-8 | 2044168 | 3.24 | 8 | 32 | 19.5 | 65.5 | 19.2 | 112.5 | 183.5 |



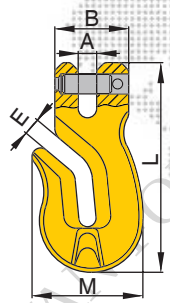

**TAWAN-044**

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

## G80 DEEP THROAT CLEVIS GRAB HOOK
## 80 级深喉型抓钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±0.5 | B±1 | E±0.5 | M±2 | L±2.5 |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2045068 | 0.19 | 1.12 | 4.48 | 7.5 | 31.5 | 7.5 | 45 | 85 |
| 7/8-8 | 2045788 | 0.35 | 2 | 8 | 9 | 37.5 | 10 | 57 | 106 |
| 10-8 | 2045108 | 0.75 | 3.15 | 12.6 | 12.5 | 47.5 | 13 | 74 | 127 |
| 13-8 | 2045138 | 1.63 | 5.3 | 21.2 | 15 | 58.5 | 15.5 | 89 | 165.5 |




**TAWAN-045**

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

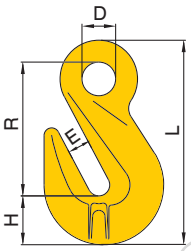


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## G80 EYE SHORTENING GRAB HOOK 80 级眼型带翅抓钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | E±0.5 | D±1 | H±1 | R±2 | L±2 |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2046068 | 0.14 | 1.12 | 4.48 | 8 | 13.5 | 17.9 | 51.4 | 75.3 |
| 7/8-8 | 2046788 | 0.245 | 2 | 8 | 10.8 | 18 | 20 | 61.5 | 91.2 |
| 10-8 | 2046108 | 0.65 | 3.15 | 12.6 | 13 | 20 | 29 | 80 | 122 |
| 13-8 | 2046138 | 1.39 | 5.3 | 21.2 | 16.5 | 26 | 42.8 | 99.7 | 158 |
| 16-8 | 2046168 | 2.2 | 8 | 32 | 20 | 30.5 | 47.7 | 104 | 169 |
| 20-8 | 2046208 | 4.6 | 12.5 | 50 | 25 | 37.5 | 56 | 140 | 219 |
| 22-8 | 2046228 | 8.2 | 15 | 60 | 28 | 44 | 68 | 165 | 259 |
| 26-8 | 2046268 | 9.8 | 21.2 | 84.8 | 30 | 44 | 77 | 188.8 | 298 |
| 32-8 | 2046328 | 19.4 | 31.5 | 126 | 38 | 57 | 95 | 228 | 361 |

*Ultimate Load is 4 times the Working Load Limit.



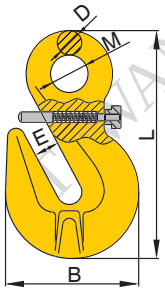

TAWAN-046

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

## G80 EYE SHORTENING GRAB HOOK WITH SAFTY PIN 80 级安全销眼型带翅抓钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | M±1 | B±1.5 | D±1 | E±0.5 | L±2 |
|---|---|---|---|---|---|---|---|---|---|
| 7/8-8 | 2047788 | 0.29 | 2 | 8 | 17 | 50 | 9.5 | 11 | 88.5 |
| 10-8 | 2047108 | 0.75 | 3.15 | 12.6 | 20 | 71 | 13 | 13 | 121.5 |
| 13-8 | 2047138 | 1.62 | 5.3 | 21.2 | 26 | 96 | 15.5 | 16.5 | 158 |

*Ultimate Load is 4 times the Working Load Limit.



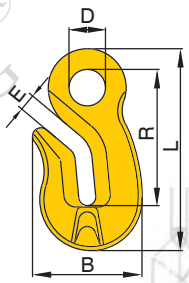

TAWAN-047

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

## G80 DEEP THROAT EYE GRAB HOOK 80 级深喉型抓钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | D±1 | E±0.3 | B±1.2 | R±1.5 | L±1.5 |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 | 2048068 | 0.16 | 1.12 | 4.48 | 15 | 7 | 45 | 56 | 83 |
| 7/8-8 | 2048788 | 0.35 | 2 | 8 | 16 | 9.6 | 52 | 75.3 | 106.5 |
| 10-8 | 2048108 | 0.75 | 3.15 | 12.6 | 21 | 13 | 66 | 84.5 | 124.5 |

*Ultimate Load is 4 times the Working Load Limit.




TAWAN-048

Regular Mark 常规标记： 10-8 WLL3.15T CE TAWAN BATCH NUMBER

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- Forged Supper Alloy steel - Quenched and Tempered.
  高强度高韧性特殊合金钢锻造而成，经过热处理。
- Suitable for EN818-2 G80 Chain.
  与 EN818-2 标准 80 级链条配合使用。
- Individually proof test at 2.5 times Working Load Limit.
  逐件按工作拉力 2.5 倍进行验证测试。
- Fatiuge tested at 1.5 times Working Load Limit for 20000 cycles.
  抽样进行 20000 次疲劳测试。
- Breaking test.
  对每次产品进行严格的抽样破断测试。
- 100% magnaflux crack detection.
  100% 进行磁粉探伤。
- Surface finish: Power plastified.
  表面处理：喷塑。
- Colour code: Red PAL3020，Yellow RAL1003.
  色号：红色 PAL3020，黄色 RAL1003。

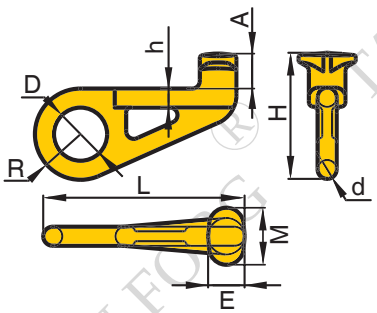


## G80 CONTAINER HOOK STRAIGHT TYPE
## 80 级直型集装箱钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±1 | M±2 | H±2 | h±1 | E±1 | R±1 | D±1 | d±1 | L±2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 2049001 | 4 | 12.5 | 50 | 46 | 75 | 166 | 25 | 48 | 60 | 70 | 25 | 265 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： WLL 12.5T-S CE TAWAN BATCH NUMBER



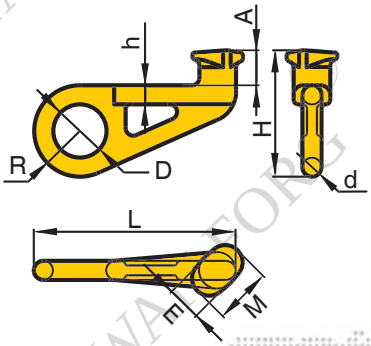

TAWAN-049

## G80 CONTAINER HOOK LEFT TYPE
## 80 级左 45° 集装箱钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±1 | M±2 | H±2 | h±1 | E±1 | R±1 | D±1 | d±1 | L±2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 2050001 | 4 | 12.5 | 50 | 46 | 75 | 166 | 25 | 48 | 60 | 70 | 25 | 265 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： WLL 12.5T-L CE TAWAN BATCH NUMBER



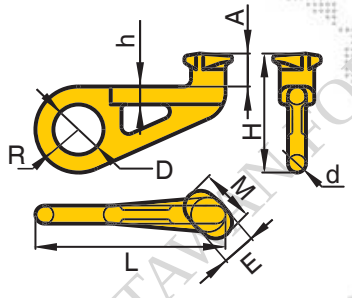

TAWAN-050

## G80 CONTAINER HOOK RIGHT TYPE
## 80 级右 45° 集装箱钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | A±1 | M±2 | H±2 | h±1 | E±1 | R±1 | D±1 | d±1 | L±2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 2051001 | 4 | 12.5 | 50 | 46 | 75 | 166 | 25 | 48 | 60 | 70 | 25 | 265 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： WLL 12.5T-R CE TAWAN BATCH NUMBER




TAWAN-051



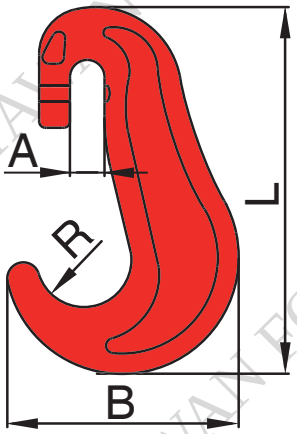
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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- Suitable for G80 Chain.
  与 80 级捆绑链条配合使用。
- Features quick and easy assembly.
  快速方便地与链条装配。
- Forged alloy steel.
  优质合金钢锻造而成。



TAWAN-052




## G80 LASHING TYPE C HOOK WITH SPRING PIN
## 80 级 C 型捆绑钩（带弹性圆柱销）

| Size (mm) | Stock No. | Weight Each (kg) | Working Load Limit (t) | Breaking Load Limit (t) | L±2 | A±0.3 | B±1.5 | R±1 |
|---|---|---|---|---|---|---|---|---|
| 9 | 2052009 | 0.5 | 2.5 | 10 | 143 | 13.5 | 90.5 | 18.5 |
| 11 | 2052011 | 0.85 | 3.75 | 15 | 177 | 15.5 | 109.5 | 22 |
| 13 | 2052013 | 1.38 | 5.4 | 21.6 | 205 | 15.7 | 129 | 25.5 |

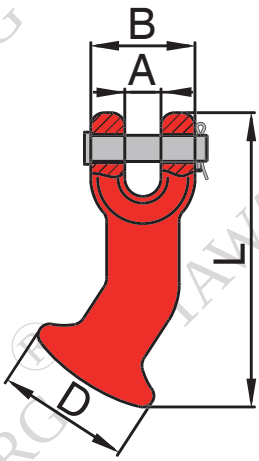
*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 13mm CE TAWAN BATCH NUMBER

- Suitable for G80 Chain.
  与 80 级捆绑链条配合使用。
- Features quick and easy assembly.
  快速方便地与链条装配。
- Forged alloy steel.
  优质合金钢锻造而成。



TAWAN-053




## G80 CLEVIS ELEPHANT FOOT 80 级羊角象角

| Size (mm) | Stock No. | Weight Each (kg) | Working Load Limit (t) | A | B | D | L |
|---|---|---|---|---|---|---|---|
| 13 | 2053013 | 0.97 | 5 | 16 | 46 | 59 | 103.4 |

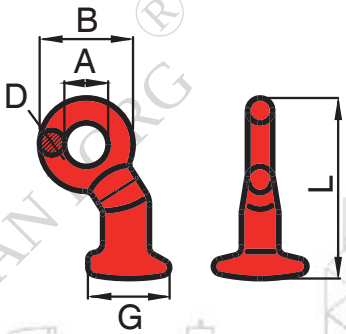
*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 13mm CE TAWAN BATCH NUMBER

- Suitable for G80 Chain.
  与 80 级捆绑链条配合使用。
- Features quick and easy assembly.
  快速方便地与链条装配。
- Forged alloy steel.
  优质合金钢锻造而成。



TAWAN-054




## G80 EYE ELEPHANT FOOT 80 级眼型象角

| Size (mm) | Stock No. | Weight Each (kg) | Working Load Limit (t) | A | B | D | G | L |
|---|---|---|---|---|---|---|---|---|
| 13 | 2054013 | 0.67 | 5 | 28 | 60 | 16 | 52.5 | 116 |

*Ultimate Load is 4 times the Working Load Limit.

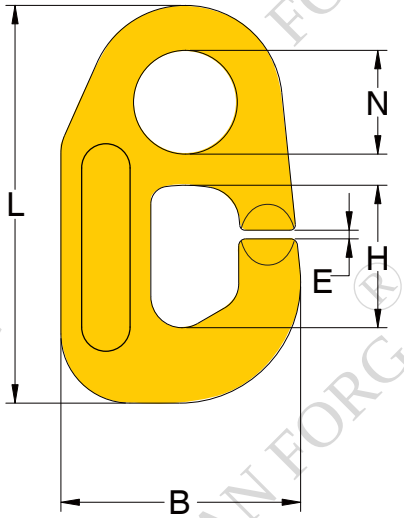
Regular Mark 常规标记： 13mm CE TAWAN BATCH NUMBER

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TAWAN-055




## ALLOY FORGED DV HOOK 合金钢锻造 DV 钩

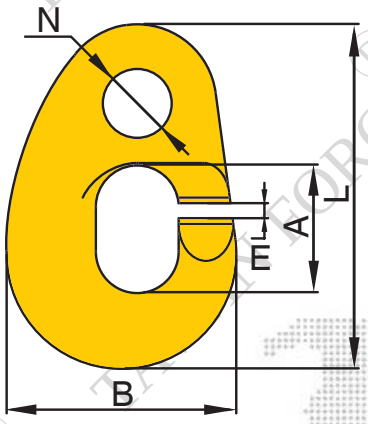
| Size | Stock No. | Weight Each (kg) | Working Load Limit (t)* | Breaking Load Limit (t) | N±2 | B±1.5 | E±0.1 | H±1 | L±1.2 |
|---|---|---|---|---|---|---|---|---|---|
| 1.5T | 2055015 | 0.5 | 1.5 | 7.5 | 28 | 61 | 3 | 35 | 102 |
| 3.0T | 2055030 | 0.73 | 3 | 15 | 30 | 72 | 3 | 41 | 119 |
| 5.0T | 2055050 | 1.2 | 5 | 25 | 35 | 84.5 | 3 | 42 | 137 |
| 8.0T | 2055080 | 1.6 | 8 | 40 | 42 | 96 | 3 | 42 | 153 |

*Ultimate Load is 5 times the Working Load Limit.

Regular Mark 常规标记： WLL3T CE



TAWAN-056




## ALLOY FORGED G HOOK 合金钢锻造 G 型钩

| Size | Stock No. | Weight Each (kg) | Working Load Limit (t)* | Breaking Load Limit (t) | L | N | B | A | E |
|---|---|---|---|---|---|---|---|---|---|
| 1.5T | 2056015 | 0.4 | 1.6 | 6 | 91.5 | 18.3 | 61 | 33.9 | 4 |
| 2.6T | 2056026 | 0.7 | 2.6 | 10.4 | 116.5 | 21.3 | 78.5 | 42 | 4 |
| 4T | 2056040 | 1.35 | 4 | 16 | 144 | 25.5 | 94 | 56.8 | 4 |
| 6T | 2056060 | 2.115 | 6 | 24 | 164 | 30.3 | 111 | 64 | 5 |

*Ultimate Load is 4 times the Working Load Limit.

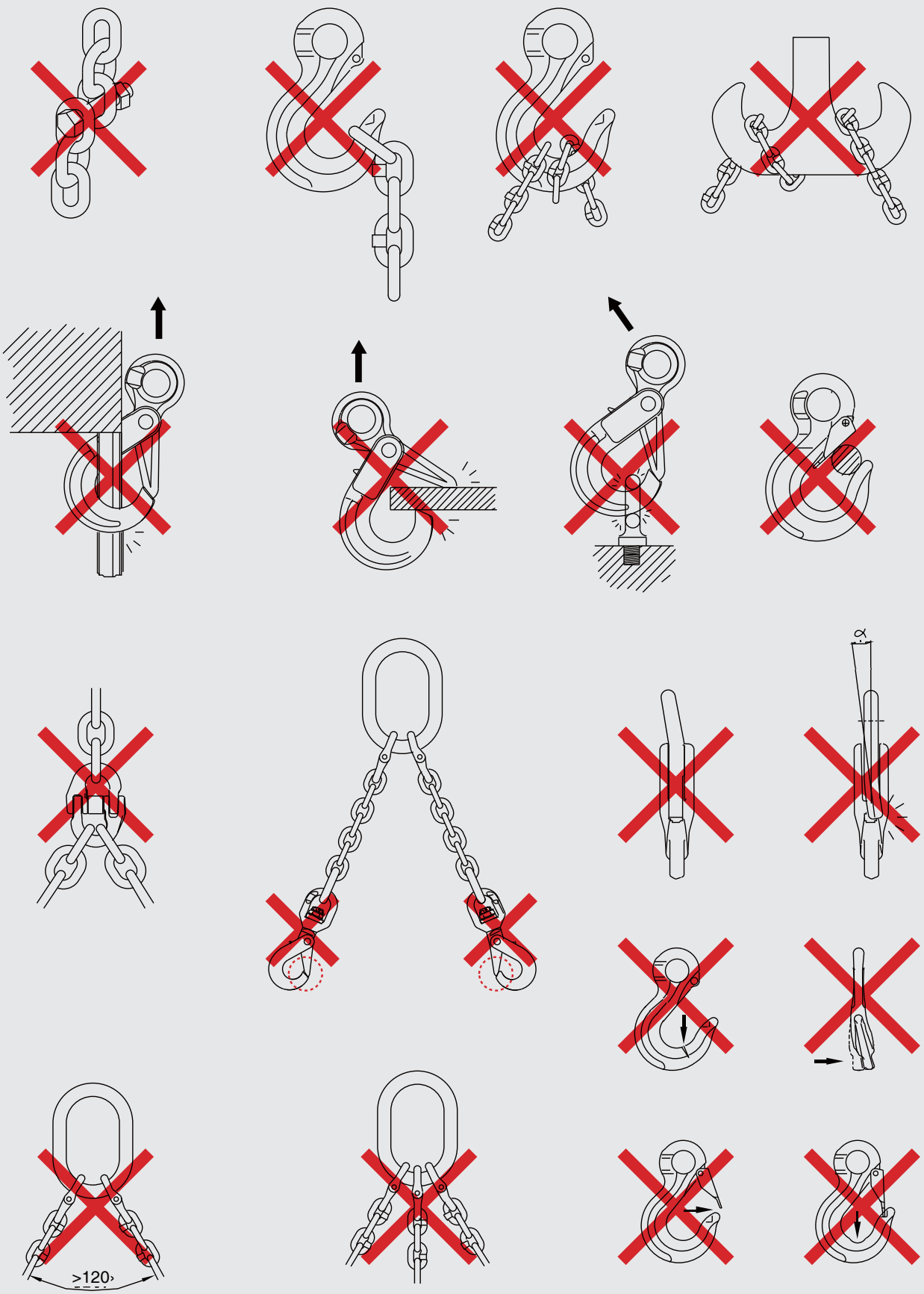
Regular Mark 常规标记： WLL1.35 CE

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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# Incorrect Use
## 不正确的使用方法






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**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用



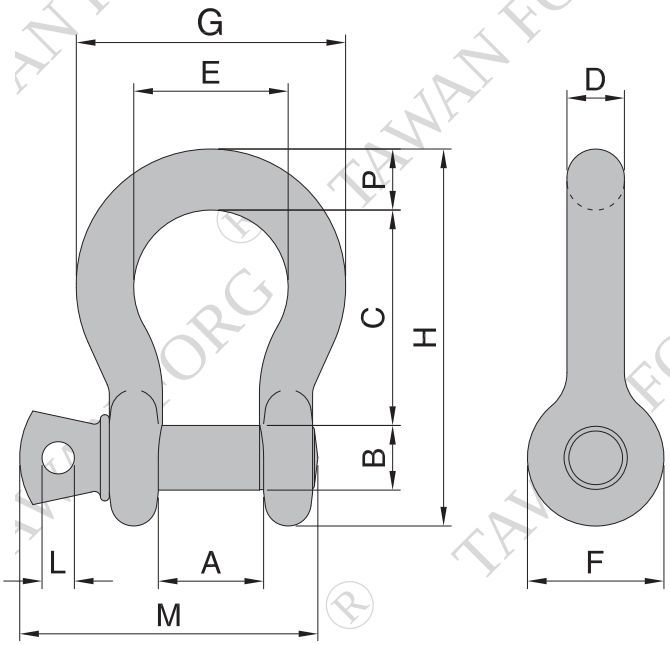
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# TURNBUCKLES
# RIGGING ACCESSORIES

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TAWAN-057






## G209 SCREW PIN ANCHOR SHACKLES G209 弓形卸扣

| Chain Size (in.) | Stock No. | Working Load Limit (t) * | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | Tolerance +/- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | H | L | M | P | C | A |
| 3/16 | 3057316 | 1/3 | 0.16 | 0.38 | 0.25 | 0.88 | 0.19 | 0.60 | 0.56 | 0.98 | 1.47 | 0.16 | 1.14 | 0.19 | 0.06 | 0.06 |
| 1/4 | 3057014 | 1/2 | 0.10 | 0.47 | 0.31 | 1.13 | 0.25 | 0.78 | 0.61 | 1.28 | 1.84 | 0.19 | 1.43 | 0.25 | 0.06 | 0.06 |
| 5/16 | 3057516 | 3/4 | 0.18 | 0.53 | 0.38 | 1.22 | 0.31 | 0.84 | 0.75 | 1.47 | 2.09 | 0.22 | 1.71 | 0.31 | 0.06 | 0.06 |
| 3/8 | 3057038 | 1 | 0.31 | 0.66 | 0.44 | 1.44 | 0.38 | 1.03 | 0.91 | 1.78 | 2.49 | 0.25 | 2.02 | 0.38 | 0.13 | 0.06 |
| 7/16 | 3057716 | 1-1/2 | 0.38 | 0.75 | 0.50 | 1.69 | 0.44 | 1.16 | 1.06 | 2.03 | 2.91 | 0.31 | 2.37 | 0.44 | 0.13 | 0.06 |
| 1/2 | 3057012 | 2 | 0.72 | 0.81 | 0.63 | 1.88 | 0.50 | 1.31 | 1.19 | 2.31 | 3.28 | 0.38 | 2.69 | 0.50 | 0.13 | 0.06 |
| 5/8 | 3057058 | 3-1/4 | 1.37 | 1.06 | 0.75 | 2.38 | 0.63 | 1.69 | 1.50 | 2.94 | 4.19 | 0.44 | 3.34 | 0.69 | 0.13 | 0.06 |
| 3/4 | 3057034 | 4-3/4 | 2.35 | 1.25 | 0.88 | 2.81 | 0.75 | 2.00 | 1.81 | 3.50 | 4.97 | 0.50 | 3.97 | 0.81 | 0.25 | 0.06 |
| 7/8 | 3057078 | 6-1/2 | 3.62 | 1.44 | 1.00 | 3.31 | 0.88 | 2.28 | 2.09 | 4.03 | 5.83 | 0.50 | 4.50 | 0.97 | 0.25 | 0.06 |
| 1 | 3057100 | 8-1/2 | 5.03 | 1.69 | 1.13 | 3.75 | 1.00 | 2.69 | 2.38 | 4.69 | 6.56 | 0.56 | 5.13 | 1.06 | 0.25 | 0.06 |
| 1-1/8 | 3057118 | 9-1/2 | 7.41 | 1.81 | 1.25 | 4.25 | 1.16 | 2.91 | 2.69 | 5.16 | 7.47 | 0.63 | 5.71 | 1.25 | 0.25 | 0.06 |
| 1-1/4 | 3057114 | 12 | 9.50 | 2.03 | 1.38 | 4.69 | 1.29 | 3.25 | 3.00 | 5.75 | 8.25 | 0.69 | 6.25 | 1.38 | 0.25 | 0.06 |
| 1-3/8 | 3057138 | 13-1/2 | 13.53 | 2.25 | 1.50 | 5.25 | 1.42 | 3.63 | 3.31 | 6.38 | 9.16 | 0.75 | 6.83 | 1.50 | 0.25 | 0.13 |
| 1-1/2 | 3057112 | 17 | 17.20 | 2.38 | 1.63 | 5.75 | 1.54 | 3.88 | 3.63 | 6.88 | 10.00 | 0.81 | 7.33 | 1.62 | 0.25 | 0.13 |
| 1-3/4 | 3057134 | 25 | 27.78 | 2.88 | 2.00 | 7.00 | 1.84 | 5.00 | 4.19 | 8.86 | 12.34 | 1.00 | 9.06 | 2.25 | 0.25 | 0.13 |
| 2 | 3057200 | 35 | 45.00 | 3.25 | 2.25 | 7.75 | 2.08 | 5.75 | 4.81 | 9.97 | 13.68 | 1.22 | 10.35 | 2.40 | 0.25 | 0.13 |
| 2-1/2 | 3057212 | 55 | 85.75 | 4.13 | 2.75 | 10.50 | 2.71 | 7.25 | 5.69 | 12.87 | 17.84 | 1.38 | 13.00 | 3.13 | 0.25 | 0.25 |

*Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strengtn is 6 times the Working Load Limit.

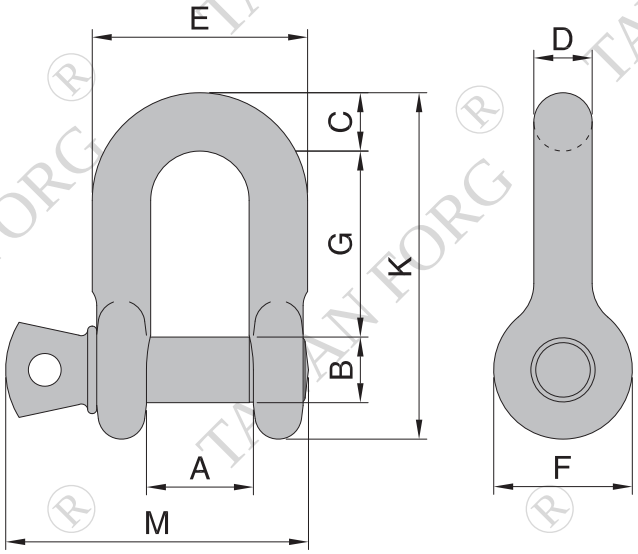
Regular Mark 常规标记： WLL 61/2T CE 7/8

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TAWAN-058






## G209 SCREW PIN ANCHOR SHACKLES G209 弓形卸扣

| Chain Size (in.) | Stock No. | Working Load Limit (t)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | Tolerance +/- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | K | L | M | G | A |
| 1/4 | 3058014 | 1/2 | 0.11 | 0.47 | 0.31 | 0.25 | 0.25 | 0.97 | 0.62 | 0.97 | 1.59 | 0.19 | 1.43 | 0.06 | 0.06 |
| 5/16 | 3058516 | 3/4 | 0.17 | 0.53 | 0.38 | 0.31 | 0.31 | 1.15 | 0.75 | 1.07 | 1.91 | 0.22 | 1.71 | 0.06 | 0.06 |
| 3/8 | 3058038 | 1 | 0.28 | 0.66 | 0.44 | 0.38 | 0.38 | 1.42 | 0.92 | 1.28 | 2.31 | 0.25 | 2.02 | 0.13 | 0.06 |
| 7/16 | 3058716 | 1-1/2 | 0.43 | 0.75 | 0.50 | 0.44 | 0.44 | 1.63 | 1.06 | 1.48 | 2.67 | 0.31 | 2.37 | 0.13 | 0.06 |
| 1/2 | 3058012 | 2 | 0.59 | 0.81 | 0.63 | 0.50 | 0.50 | 1.81 | 1.18 | 1.66 | 3.03 | 0.38 | 2.69 | 0.13 | 0.06 |
| 5/8 | 3058058 | 3-1/4 | 1.25 | 1.06 | 0.75 | 0.63 | 0.63 | 2.32 | 1.50 | 2.04 | 3.76 | 0.44 | 3.34 | 0.13 | 0.06 |
| 3/4 | 3058034 | 4-3/4 | 2.63 | 1.25 | 0.88 | 0.81 | 0.75 | 2.75 | 1.81 | 2.40 | 4.53 | 0.50 | 3.97 | 0.25 | 0.06 |
| 7/8 | 3058078 | 6-1/2 | 3.16 | 1.44 | 1.00 | 0.97 | 0.88 | 3.20 | 2.10 | 2.86 | 5.33 | 0.50 | 4.50 | 0.25 | 0.06 |
| 1 | 3058100 | 8-1/2 | 4.75 | 1.69 | 1.13 | 1.00 | 1.00 | 3.69 | 2.38 | 3.24 | 5.94 | 0.56 | 5.13 | 0.25 | 0.06 |
| 1-1/8 | 305118 | 9-1/2 | 6.75 | 1.81 | 1.25 | 1.25 | 1.13 | 4.07 | 2.69 | 3.61 | 6.78 | 0.63 | 5.71 | 0.25 | 0.06 |
| 1-1/4 | 3058114 | 12 | 9.06 | 2.03 | 1.38 | 1.38 | 1.25 | 4.53 | 3.00 | 3.97 | 7.50 | 0.69 | 6.25 | 0.25 | 0.13 |
| 1-3/8 | 3058138 | 12-1/2 | 11.63 | 2.25 | 1.50 | 1.50 | 1.38 | 5.01 | 3.31 | 4.43 | 8.28 | 0.75 | 6.53 | 0.25 | 0.13 |
| 1-1/2 | 3058112 | 17 | 15.95 | 2.38 | 1.63 | 1.62 | 1.50 | 5.38 | 3.62 | 4.87 | 9.05 | 0.81 | 7.33 | 0.25 | 0.13 |
| 1-3/4 | 3058134 | 25 | 26.75 | 2.88 | 2.00 | 2.12 | 1.75 | 6.38 | 4.19 | 5.78 | 10.97 | 1.00 | 9.06 | 0.25 | 0.13 |
| 2 | 3058200 | 35 | 42.31 | 3.25 | 2.25 | 2.36 | 2.10 | 7.25 | 5.00 | 6.77 | 12.74 | 1.13 | 10.35 | 0.25 | 0.13 |
| 2-1/2 | 3058212 | 55 | 71.75 | 4.12 | 2.75 | 2.63 | 2.63 | 9.38 | 5.68 | 8.07 | 14.85 | 1.38 | 13.00 | 0.25 | 0.13 |

*Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strengtn is 6 times the Working Load Limit.

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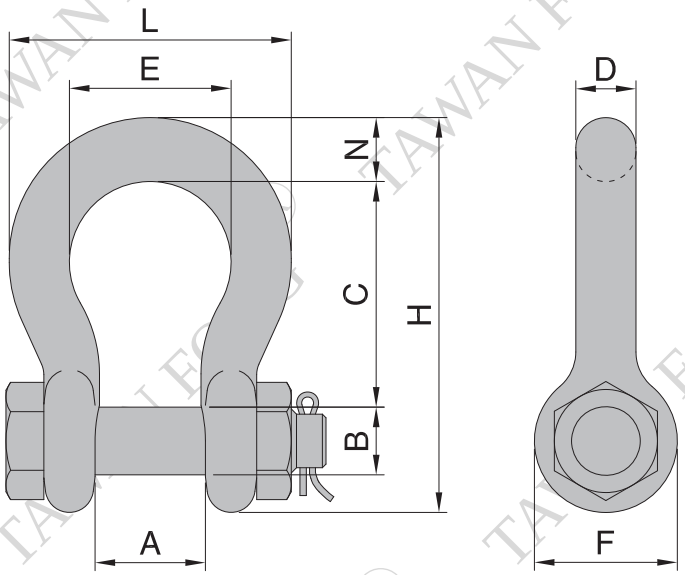
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TAWAN-059




## G2130 BOLT TYPE ANCHOR SHACKLES
## G2130 美式弓型带螺母保险卸扣

| Chain Size (in.) | Stock No. | Working Load Limit (t) * | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | Tolerance +/- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | H | L | N | C | A |
| 3/16 | 3059316 | 1/3 | 0.06 | 0.38 | 0.25 | 0.88 | 0.19 | 0.60 | 0.56 | 1.47 | 0.98 | 0.19 | 0.6 | 0.06 |
| 1/4 | 3059014 | 1/2 | 0.11 | 0.47 | 0.31 | 1.13 | 0.25 | 0.78 | 0.61 | 1.84 | 1.28 | 0.25 | 0.6 | 0.06 |
| 5/16 | 3059516 | 3/4 | 0.22 | 0.53 | 0.38 | 1.22 | 0.31 | 0.84 | 0.75 | 2.09 | 1.47 | 0.31 | 0.6 | 0.06 |
| 3/8 | 3059038 | 1 | 0.33 | 0.66 | 0.44 | 1.44 | 0.38 | 1.03 | 0.91 | 2.49 | 1.78 | 0.38 | 0.13 | 0.06 |
| 7/16 | 3059716 | 1-1/2 | 0.49 | 0.75 | 0.50 | 1.69 | 0.44 | 1.16 | 1.06 | 2.91 | 2.03 | 0.44 | 0.13 | 0.06 |
| 1/2 | 3059012 | 2 | 0.79 | 0.81 | 0.64 | 1.88 | 0.50 | 1.31 | 1.19 | 3.28 | 2.31 | 0.50 | 0.13 | 0.06 |
| 5/8 | 3059058 | 3-1/4 | 1.68 | 1.06 | 0.77 | 2.38 | 0.63 | 1.69 | 1.50 | 4.19 | 2.94 | 0.69 | 0.13 | 0.06 |
| 3/4 | 3059034 | 4-3/4 | 2.72 | 1.25 | 0.89 | 2.81 | 0.75 | 2.00 | 1.81 | 4.97 | 3.50 | 0.81 | 0.25 | 0.06 |
| 7/8 | 3059078 | 6-1/2 | 3.95 | 1.44 | 1.02 | 3.31 | 0.88 | 2.28 | 2.09 | 5.83 | 4.03 | 0.97 | 0.25 | 0.06 |
| 1 | 3059100 | 8-1/2 | 5.66 | 1.69 | 1.15 | 3.75 | 1.00 | 2.69 | 2.38 | 6.56 | 4.69 | 1.06 | 0.25 | 0.06 |
| 1-1/8 | 3059118 | 9-1/2 | 8.27 | 1.81 | 1.25 | 4.25 | 1.13 | 2.91 | 2.69 | 7.47 | 5.16 | 1.25 | 0.25 | 0.06 |
| 1-1/4 | 3059114 | 12 | 11.71 | 2.03 | 1.40 | 4.69 | 1.29 | 3.25 | 3.00 | 8.25 | 5.75 | 1.38 | 0.25 | 0.06 |
| 1-3/8 | 3059138 | 13-1/2 | 15.83 | 2.25 | 1.53 | 5.25 | 1.42 | 3.63 | 3.31 | 9.16 | 6.38 | 1.50 | 0.25 | 0.13 |
| 1-1/2 | 3059112 | 17 | 19.00 | 2.38 | 1.66 | 5.75 | 1.53 | 3.88 | 3.63 | 10.00 | 6.88 | 1.62 | 0.25 | 0.13 |
| 1-3/4 | 3059134 | 25 | 33.91 | 2.88 | 2.04 | 7.00 | 1.84 | 5.00 | 4.19 | 12.34 | 8.80 | 2.25 | 0.25 | 0.13 |
| 2 | 3059200 | 35 | 52.25 | 3.25 | 2.30 | 7.75 | 2.08 | 5.75 | 4.81 | 13.68 | 10.15 | 2.40 | 0.25 | 0.13 |
| 2-1/2 | 3059212 | 55 | 98.25 | 4.13 | 2.80 | 10.50 | 2.71 | 7.25 | 5.69 | 17.90 | 12.75 | 3.13 | 0.25 | 0.25 |
| 3 | 3059300 | 85 | 154.00 | 5.00 | 3.30 | 13.00 | 3.12 | 7.88 | 6.50 | 21.50 | 14.62 | 3.62 | 0.25 | 0.25 |
| 3-1/2 | 3059312 | 120 | 265.00 | 5.25 | 3.76 | 14.63 | 3.62 | 9.00 | 8.00 | 24.88 | 17.02 | 4.38 | 0.25 | 0.25 |
| 4 | 3059400 | 150 | 338.00 | 5.50 | 4.26 | 14.50 | 4.00 | 10.00 | 9.00 | 25.68 | 18.00 | 4.56 | 0.25 | 0.25 |

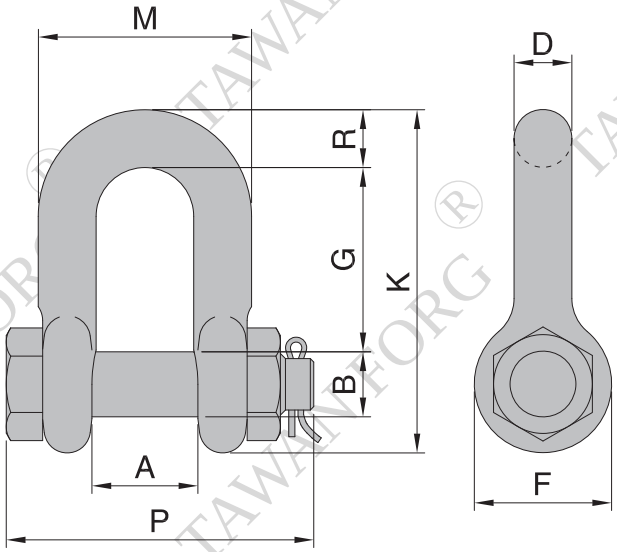
*Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strengtn is 6 times the Working Load Limit.

Regular Mark 常规标记： WLL 61/2T CE 7/8

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TAWAN-060



## G2150 BOLT TYPE CHAIN SHACKLES
## G2150 美式直型带螺母保险卸扣

| Chain Size (in.) | Stock No. | Working Load Limit (t)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | Tolerance +/- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | D | F | G | K | M | P | R | G | A |
| 1/4 | 3060014 | 1/2 | 0.13 | 0.47 | 0.31 | 0.25 | 0.62 | 0.91 | 1.59 | 0.97 | 1.56 | 0.25 | 0.06 | 0.06 |
| 5/16 | 3060516 | 3/4 | 0.23 | 0.53 | 0.38 | 0.31 | 0.75 | 1.07 | 1.91 | 1.15 | 1.82 | 0.31 | 0.06 | 0.06 |
| 3/8 | 3060038 | 1 | 0.33 | 0.66 | 0.44 | 0.38 | 0.92 | 1.28 | 2.31 | 1.42 | 2.17 | 0.38 | 0.13 | 0.06 |
| 7/16 | 3060716 | 1-1/2 | 0.49 | 0.75 | 0.50 | 0.44 | 1.06 | 1.48 | 2.67 | 1.63 | 2.51 | 0.44 | 0.13 | 0.06 |
| 1/2 | 3060012 | 2 | 0.75 | 0.81 | 0.64 | 0.50 | 1.18 | 1.66 | 3.03 | 1.81 | 2.80 | 0.50 | 0.13 | 0.06 |
| 5/8 | 3060058 | 3-1/2 | 1.47 | 1.06 | 0.77 | 0.63 | 1.50 | 2.04 | 3.76 | 2.32 | 3.56 | 0.63 | 0.13 | 0.06 |
| 3/4 | 3060034 | 4-3/4 | 2.52 | 1.25 | 0.89 | 0.75 | 1.81 | 2.40 | 4.53 | 2.75 | 4.15 | 0.81 | 0.25 | 0.06 |
| 7/8 | 3060078 | 6-1/2 | 3.85 | 1.44 | 1.02 | 0.88 | 2.10 | 2.86 | 5.33 | 3.20 | 4.82 | 0.97 | 0.25 | 0.06 |
| 1 | 3060100 | 8-1/2 | 5.55 | 1.69 | 1.15 | 1.00 | 2.38 | 3.24 | 5.94 | 3.69 | 5.39 | 1.00 | 0.25 | 0.06 |
| 1-1/8 | 3060118 | 9-1/2 | 7.60 | 1.81 | 1.25 | 1.13 | 2.68 | 3.61 | 6.78 | 4.07 | 5.90 | 1.25 | 0.25 | 0.06 |
| 1-1/4 | 3060114 | 12 | 10.81 | 2.03 | 1.40 | 1.25 | 3.00 | 3.97 | 7.50 | 4.53 | 6.69 | 1.38 | 0.25 | 0.06 |
| 1-3/8 | 3060138 | 13-1/2 | 13.75 | 2.25 | 1.53 | 1.38 | 3.31 | 4.43 | 8.28 | 5.01 | 7.21 | 1.50 | 0.25 | 0.13 |
| 1-1/2 | 3060112 | 17 | 18.50 | 2.38 | 1.66 | 1.50 | 3.62 | 4.87 | 9.05 | 5.38 | 7.73 | 1.62 | 0.25 | 0.13 |
| 1-3/4 | 3060134 | 25 | 31.40 | 2.88 | 2.04 | 1.75 | 4.19 | 5.82 | 10.97 | 6.38 | 9.33 | 2.12 | 0.25 | 0.13 |
| 2 | 3060200 | 35 | 46.75 | 3.25 | 2.30 | 2.10 | 5.00 | 6.82 | 12.74 | 7.25 | 10.41 | 2.36 | 0.25 | 0.13 |
| 2-1/2 | 3060212 | 55 | 85.00 | 4.12 | 2.80 | 2.63 | 5.68 | 8.07 | 14.85 | 9.38 | 13.58 | 2.63 | 0.25 | 0.13 |
| 3 | 3060300 | 85 | 124.25 | 5.00 | 3.25 | 3.00 | 6.50 | 8.56 | 16.87 | 11.00 | 15.13 | 3.50 | 0.25 | 0.13 |

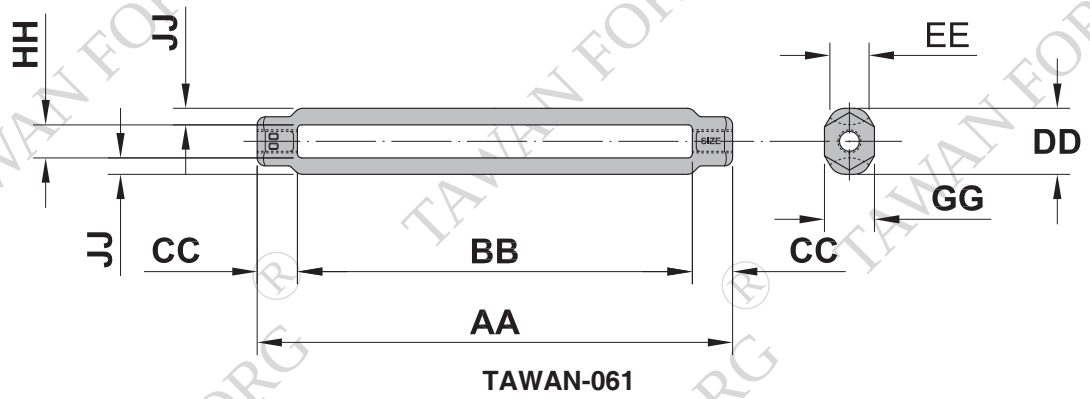
*Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strengtn is 6 times the Working Load Limit.

Regular Mark 常规标记： WLL 61/2T CE 7/8

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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## TURNBUCKLES BODY 美式模锻花蓝体

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | AA | BB | CC | DD | EE | GG | HH | JJ |
| 1/4 × 4 | 3061144 | 500 | 0.15 | 4.87 | 4.07 | 0.40 | 0.72 | 0.34 | 0.50 | 0.38 | 0.17 |
| 5/16 × 4-1/2 | 3061512 | 800 | 0.22 | 5.59 | 4.58 | 0.50 | 0.82 | 0.38 | 0.56 | 0.44 | 0.19 |
| 3/8 × 6 | 3061386 | 1200 | 0.29 | 7.29 | 6.10 | 0.60 | 0.88 | 0.68 | 0.63 | 0.50 | 0.19 |
| 1/2 × 6 | 3061126 | 2200 | 0.70 | 7.70 | 6.03 | 0.84 | 1.19 | 0.68 | 0.81 | 0.63 | 0.28 |
| 1/2 × 9 | 3061129 | 2200 | 1.03 | 11.03 | 9.36 | 0.84 | 1.19 | 0.68 | 0.81 | 0.63 | 0.28 |
| 1/2 × 12 | 3061112 | 2200 | 1.27 | 14.03 | 12.36 | 0.84 | 1.19 | 0.83 | 0.81 | 0.63 | 0.28 |
| 5/8 × 6 | 3061586 | 3500 | 1.11 | 8.02 | 6.03 | 1.00 | 1.43 | 0.83 | 1.00 | 0.75 | 0.34 |
| 5/8 × 9 | 3061589 | 3500 | 1.59 | 11.38 | 9.39 | 1.00 | 1.43 | 0.83 | 1.00 | 0.75 | 0.34 |
| 5/8 × 12 | 3061581 | 3500 | 1.96 | 14.38 | 12.39 | 1.00 | 1.43 | 0.83 | 1.00 | 0.75 | 0.34 |
| 3/4 × 6 | 3061346 | 5200 | 1.50 | 8.26 | 6.13 | 1.07 | 1.74 | 0.94 | 1.13 | 0.94 | 0.40 |
| 3/4 × 9 | 3061349 | 3500 | 2.17 | 11.72 | 9.59 | 1.07 | 1.74 | 0.94 | 1.13 | 0.94 | 0.40 |
| 3/4 × 12 | 3061342 | 3500 | 2.66 | 14.72 | 12.59 | 1.07 | 1.74 | 0.94 | 1.13 | 0.94 | 0.40 |
| 3/4 × 18 | 3061348 | 3500 | 3.63 | 20.66 | 18.53 | 1.07 | 1.74 | 0.94 | 1.13 | 0.94 | 0.40 |
| 7/8 × 12 | 3061782 | 7200 | 3.61 | 14.62 | 12.16 | 1.23 | 2.00 | 1.13 | 1.31 | 1.06 | 0.47 |
| 7/8 × 18 | 3061788 | 7200 | 5.27 | 21.09 | 18.63 | 1.23 | 2.00 | 1.13 | 1.31 | 1.06 | 0.47 |
| 1 × 6 | 3061160 | 10000 | 3.32 | 9.00 | 6.18 | 1.41 | 2.45 | 1.25 | 1.50 | 1.25 | 0.60 |
| 1 × 12 | 3061112 | 10000 | 5.34 | 15.00 | 12.18 | 1.41 | 2.45 | 1.25 | 1.50 | 1.25 | 0.60 |
| 1 × 18 | 3061118 | 10000 | 7.35 | 21.00 | 18.18 | 1.41 | 2.45 | 1.25 | 1.50 | 1.25 | 0.60 |
| 1 × 24 | 3061124 | 10000 | 9.85 | 27.66 | 24.84 | 1.41 | 2.45 | 1.25 | 1.50 | 1.25 | 0.60 |
| 1-1/4 × 12 | 3061412 | 15200 | 5.72 | 15.40 | 12.06 | 1.67 | 2.62 | 1.25 | 1.88 | 1.50 | 0.56 |
| 1-1/4 × 18 | 3061418 | 15200 | 7.58 | 21.40 | 18.06 | 1.67 | 2.62 | 1.25 | 1.88 | 1.50 | 0.56 |
| 1-1/4 × 24 | 3061424 | 15200 | 9.45 | 27.96 | 24.62 | 1.67 | 2.62 | 1.25 | 1.88 | 1.50 | 0.56 |
| 1-1/2 × 12 | 3061212 | 21400 | 8.01 | 15.82 | 12.32 | 1.75 | 2.99 | 1.50 | 2.25 | 1.75 | 0.62 |
| 1-1/2 × 18 | 3061218 | 21400 | 10.4 | 21.82 | 18.32 | 1.75 | 2.99 | 1.50 | 2.25 | 1.75 | 0.62 |
| 1-1/2 × 24 | 3061224 | 21400 | 12.9 | 28.54 | 24.94 | 1.75 | 2.99 | 1.50 | 2.25 | 1.75 | 0.62 |
| 1-3/4 × 18 | 3061348 | 28000 | 15.7 | 22.44 | 18.37 | 2.04 | 3.62 | 1.75 | 2.62 | 2.12 | 0.75 |
| 1-3/4 × 24 | 3061344 | 28000 | 19.2 | 28.44 | 24.37 | 2.04 | 3.62 | 1.75 | 2.62 | 2.12 | 0.75 |
| 2 × 24 | 3061224 | 37000 | 25.8 | 29.13 | 24.48 | 2.33 | 4.14 | 2.00 | 3.00 | 2.38 | 0.88 |
| 2-1/2 × 24 | 3061214 | 60000 | 55.9 | 31.66 | 24.60 | 3.53 | 5.12 | 2.75 | 3.88 | 3.12 | 1.25 |
| 2-3/4 × 24 | 3061234 | 75000 | 54.0 | 31.66 | 24.65 | 3.51 | 5.12 | 2.75 | 3.88 | 4.48 | 1.25 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

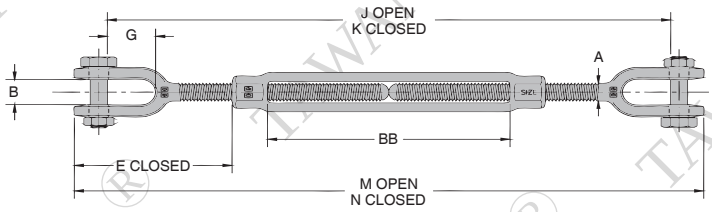
Regular Mark 常规标记： 2 × 24 CHINA

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-062




## JAW & JAW TURNBUCKLES 美式叉叉型花篮螺丝

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | E Closed | G | J Open | K Closed | M Open | N Closed | BB |
| 1/4 × 4 | 3062144 | 500 | 0.37 | 0.25 | 0.45 | 1.66 | 0.64 | 11.19 | 7.19 | 12.18 | 8.18 | 4.07 |
| 5/16 × 4-1/2 | 3062516 | 800 | 0.56 | 0.31 | 0.50 | 2.02 | 0.87 | 13.07 | 8.57 | 14.12 | 9.62 | 4.58 |
| 3/8 × 6 | 3062386 | 1200 | 0.85 | 0.38 | 0.53 | 2.11 | 0.85 | 16.25 | 10.25 | 17.50 | 11.50 | 6.10 |
| 1/2 × 6 | 3062126 | 2200 | 1.82 | 0.50 | 0.64 | 3.22 | 1.07 | 18.65 | 12.65 | 20.14 | 14.14 | 6.03 |
| 1/2 × 9 | 3062129 | 2200 | 2.29 | 0.50 | 0.64 | 3.20 | 1.07 | 24.94 | 15.94 | 26.43 | 17.43 | 9.36 |
| 1/2 × 12 | 3062121 | 2200 | 2.71 | 0.50 | 0.64 | 3.20 | 1.07 | 30.94 | 18.94 | 32.43 | 20.43 | 12.36 |
| 5/8 × 6 | 3062586 | 3500 | 3.21 | 0.63 | 0.79 | 3.90 | 1.32 | 19.74 | 13.94 | 21.82 | 15.82 | 6.03 |
| 5/8 × 9 | 3062589 | 3500 | 3.95 | 0.63 | 0.79 | 3.89 | 1.32 | 26.08 | 17.08 | 28.16 | 19.16 | 9.39 |
| 5/8 × 12 | 3062581 | 3500 | 4.58 | 0.63 | 0.79 | 3.89 | 1.32 | 32.08 | 20.08 | 34.16 | 22.16 | 12.39 |
| 3/4 × 6 | 3062346 | 5200 | 4.80 | 0.75 | 0.97 | 4.71 | 1.52 | 21.09 | 15.09 | 23.68 | 17.68 | 6.13 |
| 3/4 × 9 | 3062349 | 3500 | 5.85 | 0.75 | 0.97 | 4.68 | 1.52 | 27.49 | 18.49 | 30.08 | 21.08 | 9.59 |
| 3/4 × 12 | 3062342 | 3500 | 6.72 | 0.75 | 0.97 | 4.68 | 1.52 | 33.49 | 21.49 | 36.08 | 24.08 | 12.59 |
| 3/4 × 18 | 3062348 | 3500 | 8.45 | 0.75 | 0.97 | 4.71 | 1.52 | 45.49 | 27.49 | 48.08 | 30.08 | 18.53 |
| 7/8 × 12 | 3062782 | 7200 | 9.37 | 0.88 | 1.16 | 5.50 | 1.77 | 34.65 | 22.65 | 37.62 | 25.62 | 12.16 |
| 7/8 × 18 | 3062788 | 7200 | 11.8 | 0.88 | 1.16 | 5.50 | 1.77 | 47.12 | 29.12 | 50.09 | 32.09 | 18.63 |
| 1 × 6 | 3062160 | 10000 | 10.4 | 1.00 | 1.34 | 6.09 | 2.05 | 23.82 | 17.92 | 27.18 | 21.18 | 6.18 |
| 1 × 12 | 3062112 | 10000 | 13.8 | 1.00 | 1.34 | 6.09 | 2.05 | 35.82 | 23.82 | 39.18 | 27.18 | 12.18 |
| 1 × 18 | 3062118 | 10000 | 17.1 | 1.00 | 1.34 | 6.09 | 2.05 | 47.82 | 29.82 | 51.18 | 33.18 | 18.18 |
| 1 × 24 | 3062124 | 10000 | 21.0 | 1.00 | 1.34 | 6.06 | 2.05 | 60.42 | 36.42 | 63.78 | 39.78 | 24.84 |
| 1-1/4 × 12 | 3062142 | 15200 | 21.9 | 1.25 | 1.84 | 8.09 | 2.82 | 39.37 | 27.37 | 43.58 | 31.58 | 12.06 |
| 1-1/4 × 18 | 3062148 | 15200 | 25.9 | 1.25 | 1.84 | 8.09 | 2.82 | 51.37 | 33.37 | 55.58 | 37.58 | 18.06 |
| 1-1/4 × 24 | 3062144 | 15200 | 29.8 | 1.25 | 1.84 | 8.09 | 2.82 | 63.93 | 39.93 | 68.14 | 44.14 | 24.62 |
| 1-1/2 × 12 | 3062122 | 21400 | 32.6 | 1.50 | 2.06 | 8.93 | 2.81 | 40.76 | 28.76 | 45.68 | 33.68 | 12.32 |
| 1-1/2 × 18 | 3062128 | 21400 | 38.0 | 1.50 | 2.06 | 8.93 | 2.81 | 52.76 | 34.76 | 57.68 | 39.68 | 18.32 |
| 1-1/2 × 24 | 3062114 | 21400 | 43.5 | 1.50 | 2.06 | 8.93 | 2.81 | 65.38 | 41.38 | 70.30 | 46.30 | 24.94 |
| 1-3/4 × 18 | 3062348 | 28000 | 53.5 | 1.75 | 2.60 | 9.36 | 3.35 | 53.35 | 35.35 | 59.16 | 41.16 | 18.37 |
| 1-3/4 × 24 | 3062344 | 28000 | 61.1 | 1.75 | 2.60 | 9.36 | 3.35 | 65.35 | 41.35 | 71.16 | 47.16 | 24.37 |
| 2 × 24 | 3062224 | 37000 | 96.3 | 2.00 | 2.62 | 11.80 | 3.74 | 69.64 | 45.64 | 76.72 | 52.72 | 24.48 |
| 2-1/2 × 24 | 3062212 | 60000 | 167 | 2.50 | 3.06 | 13.26 | 4.44 | 72.97 | 48.97 | 82.18 | 58.18 | 24.60 |
| 2-3/4 × 24 | 3062234 | 75000 | 199 | 2.75 | 3.69 | 14.92 | 4.19 | 74.75 | 50.75 | 85.50 | 61.50 | 24.65 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

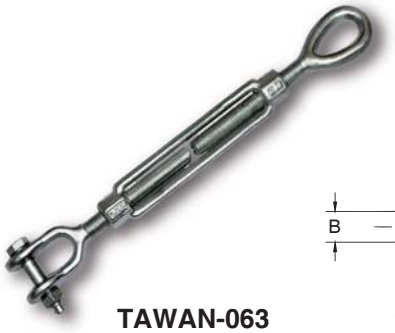
Regular Mark 常规标记： 2 × 24 CHINA

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

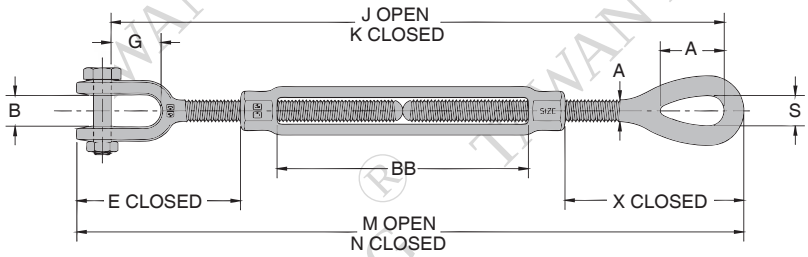




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TAWAN-063




## JAW & EYE TURNBUCKLES 美式圈叉型花篮螺丝

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | E Closed | G | J Open | K Closed | M Open | N Closed | R | S | X Closed | BB |
| 1/4 × 4 | 3063144 | 500 | 0.33 | 0.25 | 0.25 | 1.66 | 0.64 | 11.57 | 7.57 | 12.28 | 12.28 | 0.81 | 0.34 | 1.76 | 4.07 |
| 5/16 × 4-1/2 | 3063516 | 800 | 0.52 | 0.52 | 0.31 | 2.02 | 0.87 | 13.50 | 9.00 | 14.30 | 14.30 | 0.95 | 0.44 | 2.20 | 4.58 |
| 3/8 × 6 | 3063386 | 1200 | 0.80 | 0.80 | 0.38 | 2.11 | 0.85 | 16.91 | 10.91 | 17.87 | 17.87 | 1.13 | 0.53 | 2.48 | 6.10 |
| 1/2 × 6 | 3063126 | 2200 | 1.77 | 1.77 | 0.50 | 3.22 | 1.07 | 19.30 | 13.30 | 20.48 | 20.48 | 1.41 | 0.71 | 3.56 | 6.03 |
| 1/2 × 9 | 3063129 | 2200 | 2.25 | 2.25 | 0.50 | 3.20 | 1.07 | 25.59 | 16.59 | 26.77 | 26.77 | 1.41 | 0.71 | 3.54 | 9.36 |
| 1/2 × 12 | 3063122 | 2200 | 2.67 | 2.67 | 0.50 | 3.20 | 1.07 | 31.59 | 19.59 | 32.77 | 32.77 | 1.41 | 0.71 | 3.54 | 12.36 |
| 5/8 × 6 | 3063586 | 3500 | 2.98 | 2.98 | 0.63 | 3.90 | 1.32 | 20.73 | 14.73 | 22.27 | 22.27 | 1.80 | 0.88 | 4.35 | 6.03 |
| 5/8 × 9 | 3063589 | 3500 | 3.72 | 3.72 | 0.63 | 3.89 | 1.32 | 27.07 | 18.07 | 28.61 | 28.61 | 1.80 | 0.88 | 4.34 | 9.39 |
| 5/8 × 12 | 3063582 | 3500 | 4.35 | 4.35 | 0.63 | 3.89 | 1.32 | 33.07 | 21.07 | 34.61 | 34.61 | 1.80 | 0.88 | 4.34 | 12.39 |
| 3/4 × 6 | 3063346 | 5200 | 4.51 | 4.51 | 0.75 | 4.71 | 1.52 | 22.17 | 16.17 | 24.09 | 24.09 | 2.09 | 1.00 | 5.12 | 6.13 |
| 3/4 × 9 | 3063349 | 3500 | 5.56 | 5.56 | 0.75 | 4.68 | 1.52 | 28.57 | 19.57 | 30.49 | 30.49 | 2.09 | 1.00 | 5.09 | 9.59 |
| 3/4 × 12 | 3063342 | 3500 | 6.42 | 6.42 | 0.75 | 4.68 | 1.52 | 34.57 | 22.57 | 36.49 | 36.49 | 2.09 | 1.00 | 5.09 | 12.59 |
| 3/4 × 18 | 3063348 | 3500 | 8.14 | 8.14 | 0.75 | 4.71 | 1.52 | 46.57 | 28.57 | 48.49 | 48.49 | 2.09 | 1.00 | 5.12 | 18.53 |
| 7/8 × 12 | 3063782 | 7200 | 9.10 | 9.10 | 0.88 | 5.50 | 1.77 | 35.68 | 23.68 | 37.91 | 37.91 | 2.38 | 1.25 | 5.79 | 12.16 |
| 7/8 × 18 | 3063788 | 7200 | 11.6 | 11.6 | 0.88 | 5.50 | 1.77 | 48.15 | 30.15 | 50.38 | 50.38 | 2.38 | 1.25 | 5.79 | 18.63 |
| 1 × 6 | 3063160 | 10000 | 10.0 | 10.0 | 1.00 | 6.09 | 2.05 | 25.03 | 19.03 | 27.59 | 27.59 | 3.00 | 1.43 | 6.50 | 6.18 |
| 1 × 12 | 3063112 | 10000 | 13.4 | 13.4 | 1.00 | 6.09 | 2.05 | 37.03 | 25.03 | 39.59 | 39.59 | 3.00 | 1.43 | 6.50 | 12.18 |
| 1 × 18 | 3063118 | 10000 | 16.7 | 16.7 | 1.00 | 6.09 | 2.05 | 49.03 | 31.03 | 51.59 | 51.59 | 3.00 | 1.43 | 6.50 | 18.18 |
| 1 × 24 | 3063124 | 10000 | 20.6 | 20.6 | 1.00 | 6.06 | 2.05 | 61.63 | 37.63 | 64.19 | 64.19 | 3.00 | 1.43 | 6.47 | 24.84 |
| 1-1/4 × 12 | 3063142 | 15200 | 20.9 | 20.9 | 1.84 | 8.09 | 2.82 | 40.76 | 28.76 | 43.98 | 43.98 | 3.59 | 1.82 | 8.49 | 12.06 |
| 1-1/4 × 18 | 3063148 | 15200 | 24.8 | 24.8 | 1.84 | 8.09 | 2.82 | 52.76 | 34.76 | 55.98 | 55.98 | 3.59 | 1.82 | 8.49 | 18.06 |
| 1-1/4 × 24 | 3063144 | 15200 | 28.8 | 28.8 | 1.84 | 8.09 | 2.82 | 65.32 | 41.32 | 68.54 | 68.54 | 3.59 | 1.82 | 8.49 | 24.62 |
| 1-1/2 × 12 | 3063121 | 21400 | 30.6 | 30.6 | 2.06 | 8.93 | 2.81 | 42.50 | 30.50 | 46.21 | 46.21 | 4.09 | 2.12 | 9.46 | 12.32 |
| 1-1/2 × 18 | 3063128 | 21400 | 36.0 | 36.0 | 2.06 | 8.93 | 2.81 | 54.50 | 36.50 | 58.21 | 58.21 | 4.09 | 2.12 | 9.46 | 18.32 |
| 1-1/2 × 24 | 3063114 | 21400 | 41.5 | 41.5 | 2.06 | 8.93 | 2.81 | 67.12 | 43.12 | 70.83 | 70.83 | 4.09 | 2.12 | 9.46 | 24.94 |
| 1-3/4 × 18 | 3063138 | 28000 | 52.1 | 52.1 | 2.60 | 9.36 | 3.35 | 55.37 | 37.37 | 59.77 | 59.77 | 4.65 | 2.38 | 9.97 | 18.37 |
| 1-3/4 × 24 | 3063134 | 28000 | 59.7 | 59.7 | 2.60 | 9.36 | 3.35 | 67.37 | 43.37 | 71.77 | 71.77 | 4.65 | 2.38 | 9.97 | 24.37 |
| 2 × 24 | 3063224 | 37000 | 89.9 | 89.9 | 2.62 | 11.80 | 3.74 | 72.66 | 48.66 | 77.95 | 77.95 | 5.81 | 2.69 | 13.03 | 24.48 |
| 2-1/2 × 24 | 3063212 | 60000 | 158 | 158 | 3.06 | 13.26 | 4.44 | 76.08 | 52.08 | 82.68 | 82.68 | 6.49 | 3.12 | 13.76 | 24.60 |
| 2-3/4 × 24 | 3063234 | 75000 | 197 | 187 | 3.69 | 14.92 | 4.19 | 78.05 | 54.05 | 85.67 | 85.67 | 7.00 | 3.25 | 15.09 | 24.65 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

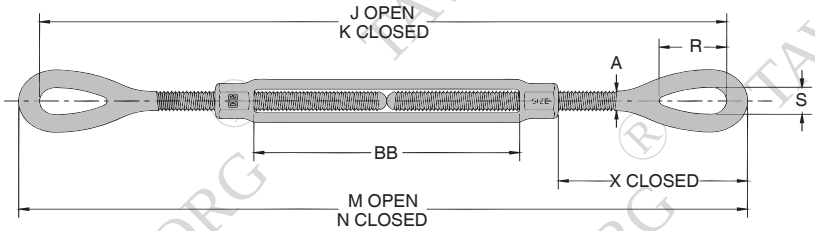
Regular Mark 常规标记： 2 × 24 CHINA

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-064




## EYE & EYE TURNBUCKLES 美式圈圈型花篮螺丝

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | J Open | K Closed | M Open | N Closed | R | S | X Closed | BB |
| 1/4 × 4 | 3064144 | 500 | 0.29 | 0.25 | 11.94 | 7.94 | 12.38 | 8.38 | 0.81 | 0.34 | 1.76 | 4.07 |
| 5/16 × 4-1/2 | 3064516 | 800 | 0.48 | 0.31 | 13.92 | 9.42 | 14.48 | 9.98 | 0.95 | 0.44 | 2.20 | 4.58 |
| 3/8 × 6 | 3064386 | 1200 | 0.75 | 0.38 | 17.56 | 11.56 | 18.24 | 12.24 | 1.13 | 0.53 | 2.48 | 6.10 |
| 1/2 × 6 | 3064126 | 2200 | 1.72 | 0.50 | 19.94 | 13.94 | 20.82 | 14.82 | 1.41 | 0.71 | 3.56 | 6.03 |
| 1/2 × 12 | 3064122 | 2200 | 2.63 | 0.50 | 32.23 | 20.23 | 33.11 | 21.11 | 1.41 | 0.71 | 3.54 | 12.36 |
| 5/8 × 6 | 3064586 | 3500 | 2.75 | 0.63 | 21.72 | 15.72 | 22.72 | 16.72 | 1.80 | 0.88 | 4.35 | 6.03 |
| 5/8 × 12 | 3064582 | 3500 | 4.12 | 0.63 | 34.06 | 22.06 | 35.06 | 23.06 | 1.80 | 0.88 | 4.34 | 12.39 |
| 3/4 × 6 | 3064346 | 5200 | 4.22 | 0.75 | 23.24 | 17.24 | 24.50 | 18.50 | 2.09 | 1.00 | 5.12 | 6.13 |
| 3/4 × 12 | 3064342 | 3500 | 6.12 | 0.75 | 35.64 | 23.64 | 36.90 | 24.90 | 2.09 | 1.00 | 5.09 | 12.59 |
| 3/4 × 18 | 3064348 | 3500 | 7.83 | 0.75 | 47.64 | 29.64 | 48.90 | 30.90 | 2.09 | 1.00 | 5.12 | 18.53 |
| 7/8 × 12 | 3064782 | 7200 | 8.83 | 0.88 | 36.70 | 24.70 | 38.20 | 26.20 | 2.38 | 1.25 | 5.79 | 12.16 |
| 7/8 × 18 | 3064788 | 7200 | 11.5 | 0.88 | 49.17 | 31.17 | 50.67 | 32.67 | 2.38 | 1.25 | 5.79 | 18.63 |
| 1 × 6 | 3064160 | 10000 | 9.62 | 1.00 | 26.24 | 20.24 | 28.00 | 22.00 | 3.00 | 1.43 | 6.50 | 6.18 |
| 1 × 12 | 3064112 | 10000 | 13.0 | 1.00 | 38.24 | 26.24 | 40.00 | 28.00 | 3.00 | 1.43 | 6.50 | 12.18 |
| 1 × 18 | 3064118 | 10000 | 16.3 | 1.00 | 50.24 | 32.24 | 52.00 | 34.00 | 3.00 | 1.43 | 6.50 | 18.18 |
| 1 × 24 | 3064124 | 10000 | 20.2 | 1.00 | 62.84 | 38.84 | 64.60 | 40.60 | 3.00 | 1.43 | 6.47 | 24.84 |
| 1-1/4 × 12 | 3064412 | 15200 | 19.9 | 1.25 | 42.14 | 30.14 | 44.38 | 32.38 | 3.59 | 1.82 | 8.49 | 12.06 |
| 1-1/4 × 18 | 3064418 | 15200 | 23.8 | 1.25 | 54.14 | 36.14 | 56.38 | 38.38 | 3.59 | 1.82 | 8.49 | 18.06 |
| 1-1/4 × 24 | 3064424 | 15200 | 27.8 | 1.25 | 66.70 | 42.70 | 68.94 | 44.94 | 3.59 | 1.82 | 8.49 | 24.62 |
| 1-1/2 × 12 | 3064212 | 21400 | 28.7 | 1.50 | 44.24 | 32.24 | 46.74 | 34.74 | 4.09 | 2.12 | 9.46 | 12.32 |
| 1-1/2 × 18 | 3064218 | 21400 | 34.1 | 1.50 | 56.24 | 38.24 | 58.74 | 40.74 | 4.09 | 2.12 | 9.46 | 18.32 |
| 1-1/2 × 24 | 3064114 | 21400 | 39.6 | 1.50 | 68.86 | 44.86 | 71.36 | 47.36 | 4.65 | 2.12 | 9.46 | 24.94 |
| 1-3/4 × 18 | 3064318 | 28000 | 58.2 | 1.75 | 57.38 | 39.38 | 60.38 | 42.38 | 4.65 | 2.38 | 9.97 | 18.37 |
| 1-3/4 × 24 | 3064324 | 28000 | 174 | 1.75 | 69.38 | 45.38 | 72.38 | 48.38 | 4.65 | 2.38 | 9.97 | 24.37 |
| 2 × 24 | 3064224 | 37000 | 83.5 | 2.00 | 75.68 | 51.68 | 79.18 | 55.18 | 5.81 | 2.69 | 13.03 | 24.48 |
| 2-1/2 × 24 | 3064212 | 60000 | 149 | 2.50 | 79.18 | 55.18 | 83.18 | 59.18 | 6.49 | 3.12 | 13.76 | 24.60 |
| 2-3/4 × 24 | 3064234 | 75000 | 194 | 2.75 | 81.34 | 57.34 | 85.84 | 61.84 | 7.00 | 3.25 | 15.09 | 24.65 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

Regular Mark 常规标记： 2 × 24 CHINA



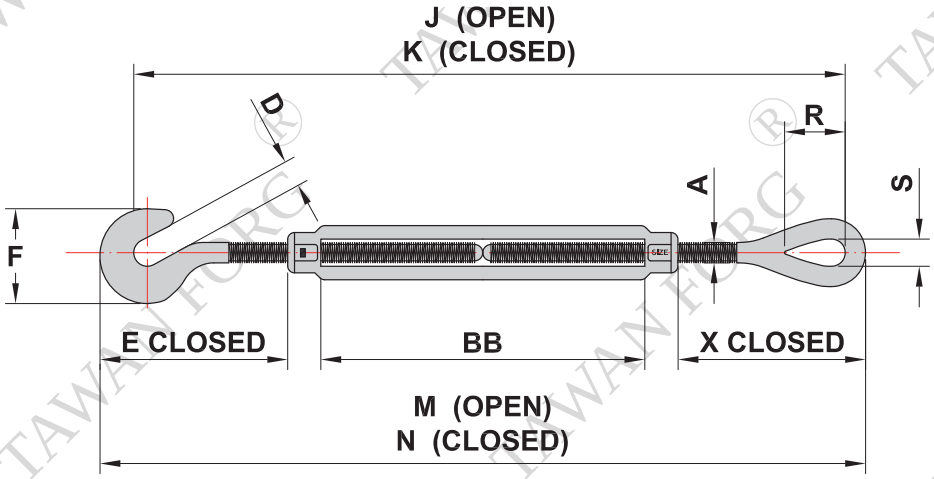


**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-065






## HOOK & EYE TURNBUCKLES 美式钩圈型花篮螺丝

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | D | E Closed | F | J Open | K Closed | M Open | N Closed | R | S | X Closed | BB |
| 1/4 × 4 | 3065144 | 400 | 0.31 | 0.25 | 0.44 | 1.67 | 1.27 | 11.66 | 7.66 | 12.29 | 8.29 | 0.81 | 0.34 | 1.76 | 4.07 |
| 5/16 × 4-1/2 | 3065516 | 700 | 0.50 | 0.31 | 0.50 | 2.00 | 1.50 | 13.50 | 9.00 | 14.28 | 9.78 | 0.95 | 0.44 | 2.20 | 4.58 |
| 3/8 × 6 | 3065386 | 1000 | 0.79 | 0.38 | 0.56 | 2.28 | 1.76 | 17.09 | 11.09 | 18.04 | 12.04 | 1.13 | 0.53 | 2.48 | 6.10 |
| 1/2 × 6 | 3065126 | 1500 | 1.80 | 0.50 | 0.65 | 3.53 | 2.28 | 19.57 | 15.37 | 20.79 | 14.79 | 1.41 | 0.71 | 3.56 | 6.03 |
| 1/2 × 12 | 3065122 | 1500 | 2.70 | 0.50 | 0.65 | 3.51 | 2.28 | 31.86 | 19.86 | 33.08 | 21.08 | 1.41 | 0.71 | 3.54 | 12.36 |
| 5/8 × 6 | 3065586 | 2250 | 2.98 | 0.63 | 0.90 | 4.24 | 2.81 | 21.11 | 15.11 | 22.61 | 16.61 | 1.80 | 0.88 | 4.35 | 6.03 |
| 5/8 × 12 | 3065582 | 2250 | 4.35 | 0.63 | 0.90 | 4.23 | 2.81 | 33.45 | 21.45 | 34.95 | 22.95 | 1.80 | 0.88 | 4.34 | 12.39 |
| 3/4 × 6 | 3065346 | 3000 | 4.21 | 0.75 | 0.98 | 5.07 | 3.33 | 22.61 | 16.61 | 24.45 | 18.45 | 2.09 | 1.00 | 5.12 | 6.13 |
| 3/4 × 12 | 3065342 | 3000 | 6.52 | 0.75 | 0.98 | 5.04 | 3.33 | 35.01 | 23.01 | 36.85 | 24.85 | 2.09 | 1.00 | 5.09 | 12.59 |
| 3/4 × 18 | 3065348 | 3000 | 8.24 | 0.75 | 0.98 | 5.07 | 3.33 | 47.01 | 29.01 | 48.85 | 30.85 | 2.09 | 1.00 | 5.12 | 18.53 |
| 7/8 × 12 | 3065782 | 4000 | 9.34 | 0.88 | 1.13 | 5.82 | 3.78 | 36.11 | 24.11 | 38.23 | 26.23 | 2.38 | 1.25 | 5.79 | 12.16 |
| 1 × 12 | 3065112 | 5000 | 13.9 | 1.00 | 1.25 | 6.56 | 4.25 | 37.65 | 25.65 | 40.06 | 28.06 | 3.00 | 1.43 | 6.50 | 12.18 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

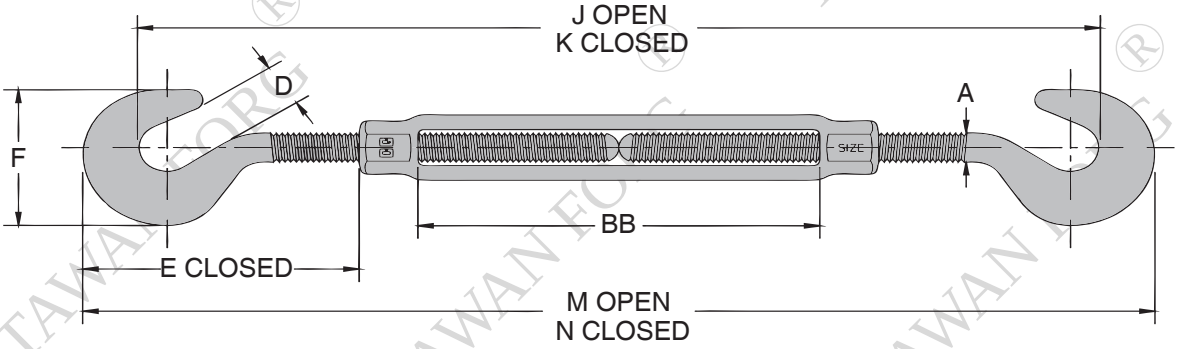
Regular Mark 常规标记： 2 × 24 CHINA

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**⚠ WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



TAWAN-066






## HOOK & EYE TURNBUCKLES 美式钩圈型花篮螺丝

| Thread Dia. & Take Up (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | E Closed | F | J Open | K Closed | M Open | N Closed | BB |
| 1/4 × 4 | 3066144 | 400 | 0.33 | 0.25 | 0.44 | 1.67 | 1.27 | 9.79 | 7.38 | 12.20 | 8.20 | 4.07 |
| 5/16 × 4-1/2 | 3066516 | 700 | 0.52 | 0.31 | 0.50 | 2.00 | 1.57 | 11.58 | 8.58 | 14.08 | 9.58 | 4.58 |
| 3/8 × 6 | 3066386 | 1000 | 0.83 | 0.38 | 0.56 | 2.28 | 1.77 | 15.23 | 10.62 | 17.84 | 11.84 | 6.10 |
| 1/2 × 6 | 3066126 | 1500 | 1.88 | 0.50 | 0.65 | 3.53 | 2.28 | 17.98 | 13.20 | 20.76 | 14.76 | 6.03 |
| 1/2 × 12 | 3066122 | 1500 | 2.77 | 0.50 | 0.65 | 3.51 | 2.28 | 30.27 | 19.49 | 33.05 | 21.05 | 12.36 |
| 5/8 × 6 | 3066586 | 2250 | 3.21 | 0.63 | 0.90 | 4.24 | 2.81 | 19.50 | 14.50 | 22.50 | 16.50 | 6.03 |
| 5/8 × 12 | 3066582 | 2250 | 4.58 | 0.63 | 0.90 | 4.23 | 2.81 | 31.84 | 20.84 | 34.84 | 22.84 | 12.39 |
| 3/4 × 6 | 3066346 | 3000 | 4.20 | 0.75 | 0.98 | 5.07 | 3.33 | 21.19 | 15.98 | 24.40 | 18.40 | 6.13 |
| 3/4 × 12 | 3066342 | 3000 | 6.92 | 0.75 | 0.98 | 5.04 | 3.33 | 33.59 | 22.38 | 36.80 | 24.80 | 12.59 |
| 3/4 × 18 | 3066348 | 3000 | 8.65 | 0.75 | 0.98 | 5.07 | 3.33 | 45.59 | 28.38 | 48.80 | 30.80 | 18.53 |
| 7/8 × 12 | 3066782 | 4000 | 9.85 | 0.88 | 1.13 | 5.82 | 3.78 | 34.89 | 23.52 | 38.26 | 26.26 | 12.16 |
| 1 × 12 | 3066112 | 5000 | 14.8 | 1.00 | 1.25 | 6.56 | 4.25 | 36.59 | 25.06 | 40.12 | 28.12 | 12.18 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

Regular Mark 常规标记： 2 × 24 CHINA

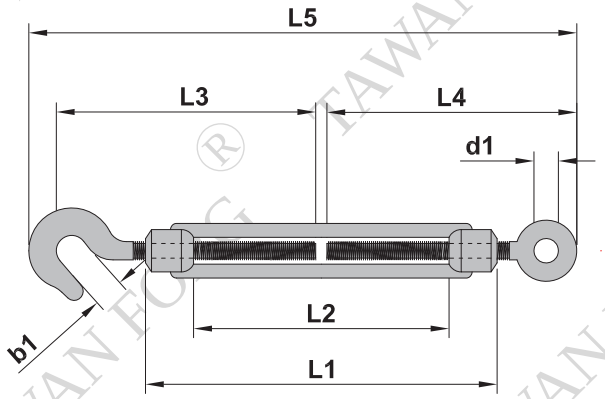
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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TAWAN-067






## DIN1480 TURNBUCKLES 德标 1480 花篮螺丝

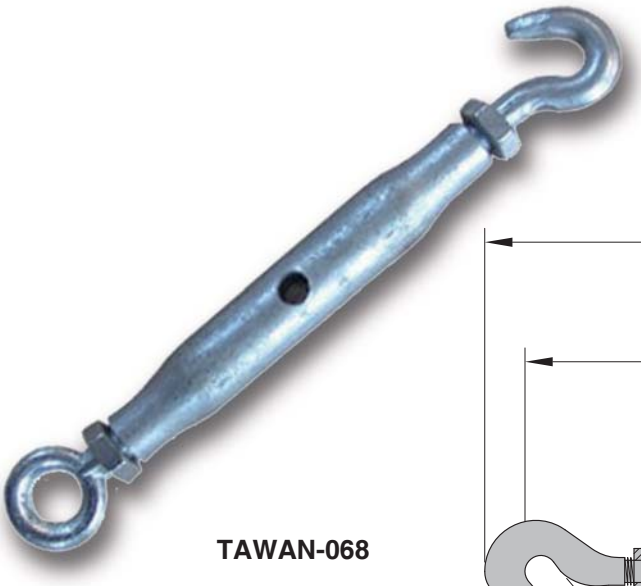
| Size (mm) | Stock No. | Weight Per 100 (lbs.) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | L1 | L2 | L3 | b1 | L4 | d1 | L5 |
| M6 | 3067006 | 21.0 | 110 | 80 | 85 | 8.5 | 80 | 9 | 172 |
| M8 | 3067008 | 36.4 | 110 | 75 | 85 | 11 | 84 | 10 | 182 |
| M10 | 3067010 | 64.0 | 125 | 85 | 112 | 13.5 | 105 | 14 | 213 |
| M12 | 3067012 | 94.9 | 125 | 80 | 117 | 15.5 | 115 | 16 | 238 |
| M14 | 3067014 | 136.8 | 140 | 90 | 122 | 18.5 | 122 | 18 | 263 |
| M16 | 3067016 | 203.0 | 170 | 110 | 138 | 19 | 165 | 22 | 320 |
| M20 | 3067020 | 359.7 | 200 | 130 | 170 | 20.5 | 167 | 24 | 367 |
| M22 | 3067022 | 485.4 | 220 | 145 | 185 | 26 | 167 | 27 | 398 |
| M24 | 3067024 | 662.0 | 255 | 170 | 205 | 26 | 205 | 27 | 447 |
| M30 | 3067030 | 1015.0 | 255 | 160 | 225 | 33 | 255 | 31 | 512 |
| M36 | 3067036 | 1694.6 | 295 | 180 | 255 | 44 | 276 | 43 | 568 |
| M42 | 3067042 | 2846.4 | 330 | 200 | 340 | 48 | 260 | 49 | 683 |
| M48 | 3067048 | 4633.7 | 355 | 195 | 360 | 58 | 300 | 58 | 755 |

Regular Mark 常规标记： M16

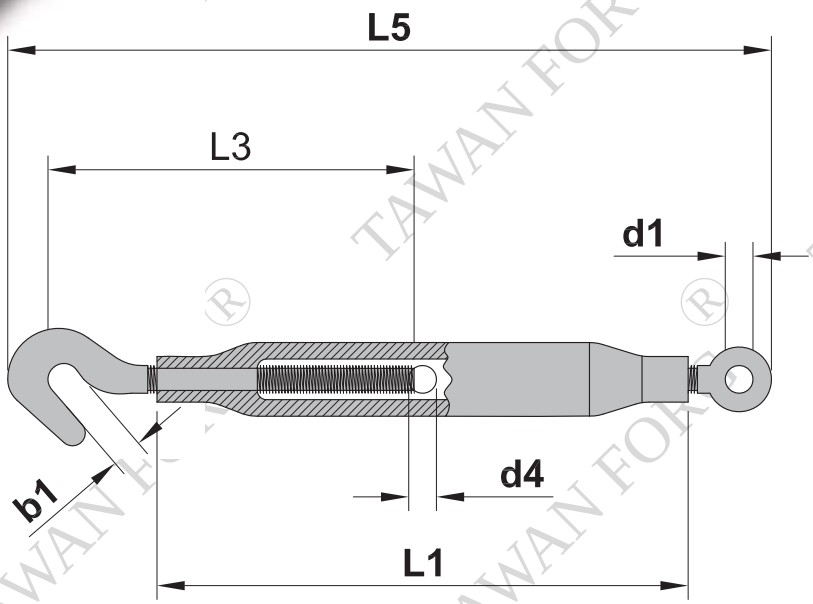
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**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用

- The following types are available.
  下面的类型是通用的。
- Jaw/Jaw, Eye/Eye,Eye/Hook,Hook/Hook.
  叉叉型，圈圈型，圈叉型，钩钩型。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。



TAWAN-068






## DIN1478 TURNBUCKLES 德标 1478 花篮螺丝

| Thread (mm) | Stock No. | Weight Per 100Pcs (kg) | Dimensions (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Body length L1 | Adjustable | d4 | Hook | | Eye | | Total Length screwed in |
| | | | | | | L3 | b1 | L3 | d1 | L5 |
| M6 | 3068006 | 11.6 | 110 | 90 | 6 | 85 | 8.5 | 80 | 9 | 172 |
| M8 | 3068008 | 19 | 110 | 85 | 8 | 85 | 11 | 84 | 10 | 182 |
| M10 | 3068010 | 31 | 125 | 95 | 8 | 112 | 13.5 | 105 | 14 | 213 |
| M12 | 3068012 | 42 | 125 | 90 | 10 | 117 | 15.5 | 115 | 16 | 238 |
| M16 | 3068016 | 89 | 170 | 120 | 10 | 138 | 19 | 165 | 22 | 320 |
| M20 | 3068020 | 158 | 200 | 140 | 12 | 170 | 20.5 | 167 | 24 | 367 |
| M24 | 3068024 | 292 | 255 | 180 | 12 | 205 | 26 | 205 | 27 | 447 |
| M30 | 3068030 | 430 | 255 | 160 | 16 | 225 | 33 | 255 | 31 | 512 |
| M36 | 3068036 | 605 | 295 | 180 | 16 | 255 | 44 | 276 | 43 | 568 |
| M42 | 3068042 | 1160 | 330 | 200 | 20 | 340 | 48 | 260 | 49 | 683 |
| M48 | 3068048 | 1600 | 355 | 210 | 20 | 360 | 58 | 300 | 58 | 755 |

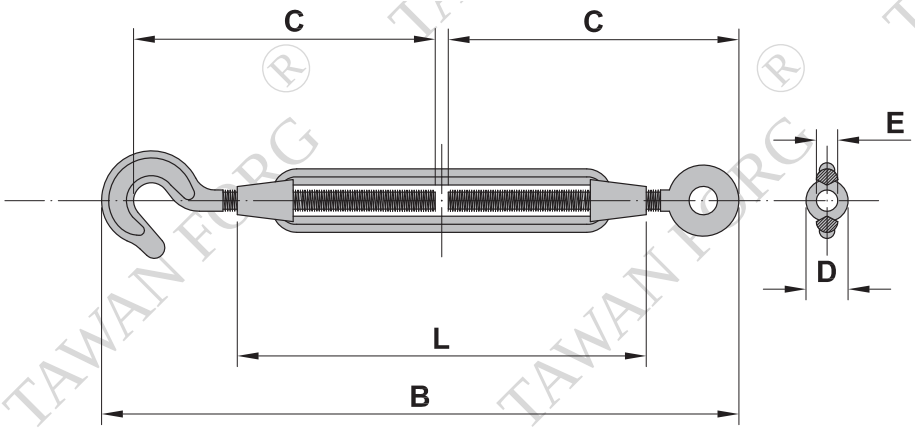


**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用

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TAWAN-069






## COMMERCIAL TYPE MALLEABLE TURNBUCKLES
## 国标玛钢花篮螺丝

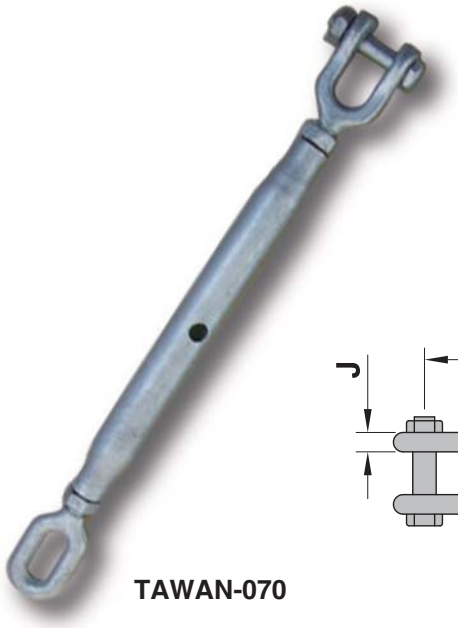
| Size (mm) | Stock No. | Working Load Limit (kg)* | Weight Each (lbs.) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B | C | D | E | F | L |
| 6 × 100 | 3069006 | 100 | 0.35 | 145 | 215 | 12 | 10 | 6 | 100 |
| 8 × 125 | 3069008 | 200 | 0.53 | 185 | 280 | 14 | 12 | 8 | 125 |
| 10 × 150 | 3069010 | 300 | 0.79 | 210 | 325 | 16 | 14 | 9 | 150 |
| 12 × 200 | 3069012 | 500 | 1.41 | 275 | 430 | 19 | 18 | 11 | 200 |
| 16 × 250 | 3069016 | 1000 | 3.18 | 345 | 540 | 23 | 24 | 14 | 250 |
| 20 × 300 | 3069020 | 1500 | 4.96 | 435 | 670 | 28 | 26 | 18 | 300 |
| 22 × 330 | 3069022 | 2200 | 7.79 | 480 | 740 | 34 | 32 | 20 | 330 |
| 24 × 350 | 3069024 | 3000 | 9.58 | 555 | 830 | 36 | 36 | 21 | 350 |

*Proof Load is 2.5times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

Regular Mark 常规标记： M16

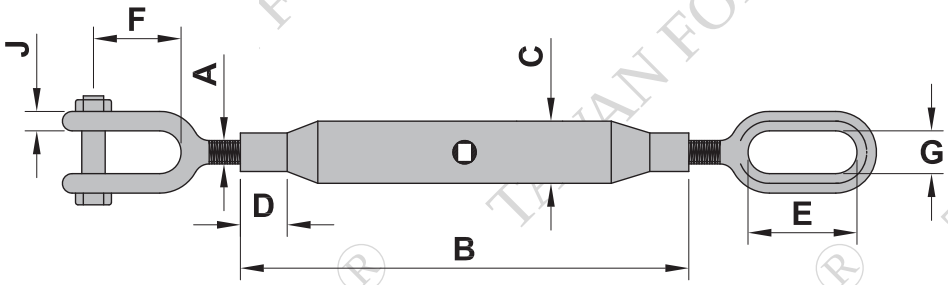
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**⚠ WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用



TAWAN-070

- The following types are available.
  下面的类型是通用的。
- Jaw/Jaw, Eye/Eye,Jaw/Eye.
  叉叉型，圈圈型，圈叉型。
- Options:locknuts.
  附件：螺母。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。






## CLOSED BODY TURNBUCKLES (RIGGING SCREW) 封闭花篮螺丝

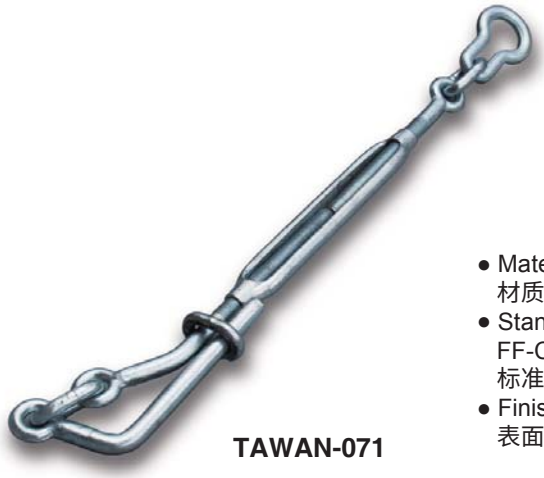
| Size (mm) | Stock No. | SWL (t.) | Weight Each (kg) | Dimensions (mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | | | | E | | |
| | | | | Dia Screw | Length of Body | Dia of Body | Jaw | | | | Oval eye | | |
| | | | | | | | Dia | | Inside | | Dia | Inside | |
| | | | | | | | D1 | D2 | Length D3 | Hidth D4 | E1 | Length E2 | Hidth E3 |
| 6 | 3070006 | 0.100 | 0.11 | 6 | 102 | 12 | 3 | 5 | 15 | 7 | 6 | 15 | 8 |
| 8 | 3070008 | 0.150 | 0.23 | 8 | 110 | 15 | 4 | 6 | 16 | 9 | 7 | 19 | 10 |
| 10 | 3070010 | 0.375 | 0.28 | 10 | 152 | 21 | 5 | 8 | 21 | 11 | 8 | 25 | 11 |
| 12 | 3070012 | 0.500 | 0.80 | 12 | 175 | 27 | 6 | 10 | 25 | 13 | 11 | 30 | 14 |
| 16 | 3070016 | 0.750 | 1.40 | 16 | 229 | 27 | 10 | 12 | 40 | 18 | 14 | 41 | 16 |
| 20 | 3070020 | 1.125 | 2.00 | 20 | 229 | 33 | 12 | 16 | 45 | 20 | 16 | 51 | 22 |
| 22 | 3070022 | 1.600 | 3.50 | 22 | 305 | 33 | 15 | 18 | 48 | 24 | 16 | 51 | 22 |
| 24 | 3070024 | 2.000 | 4.00 | 24 | 325 | 42 | 16 | 22 | 65 | 28 | 19 | 57 | 25 |
| 28 | 3070028 | 2.750 | 4.50 | 28 | 356 | 48 | 18 | 22 | 59 | 30 | 19 | 57 | 28 |
| 33 | 3070033 | 3.750 | 6.50 | 33 | 381 | 48 | 20 | 27 | 62 | 34 | 22 | 65 | 35 |
| 35 | 3070035 | 4.250 | 8.00 | 35 | 381 | 60 | 22 | 28 | 68 | 38 | 22 | 65 | 36 |
| 39 | 3070039 | 5.000 | 11.00 | 39 | 406 | 60 | 24 | 33 | 74 | 42 | 22 | 74 | 38 |

Regular Mark 常规标记： M10



**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用

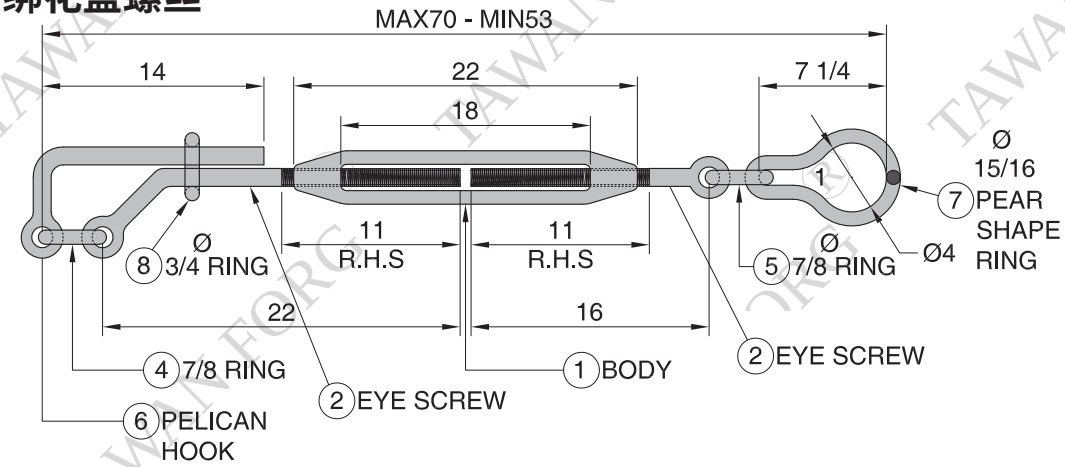
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TAWAN-071

- Material: Drop forged high tensile steel.
  材质：高强度高韧性钢。
- Standard: Formerly U.S. Federal specificaion FF-C-450D.
  标准：美国联邦标准 FF-C-450D。
- Finish:Hot Dipped Galvanized.
  表面：热镀锌。

## DECKLASHING TURNBUCKLES WITH PELLCAN & PEAR SHAPE LINK 捆绑花篮螺丝




Regular Mark 常规标记： 1-1/4 x 18



TAWAN-072

## WIRE TENSIONER 紧线器

| Size (mm) | Thickness (mm) | Packing/ctns | Weight Each(g) |
|---|---|---|---|
| 80 | 1.5 | 100 | 73 |
| 90 | 1.5 | 100 | 75 |
| 90(Heavy Duty) | 1.5 | 100 | 95 |
| 90(Heavy Duty) | 2 | 100 | 85 |
| 100 | 1.5 | 100 | 85 |
| 100 | 2 | 100 | 100 |
| 100(Heavy Duty) | 2 | 100 | 120 |
| 110 | 2 | 100 | 110 |
| 120 | 2 | 50 | 180 |

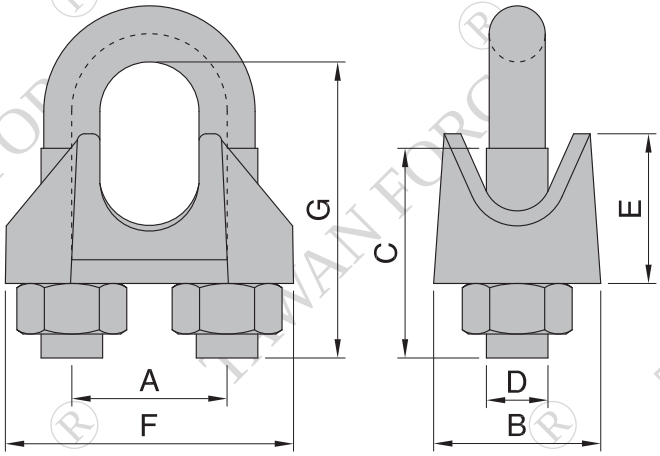


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TAWAN-073






## DIN741 GALV MALLEABLE WIRE ROPE CLIPS 德标 741 卡头

| Rope Size (mm) | Stock No. | Weight Each (kg) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G |
| 3 | 3073003 | 0.014 | 9 | 10 | 12 | 4 | 10 | 21 | 20 |
| 5 | 3073005 | 0.015 | 11 | 11 | 13 | 5 | 10 | 23 | 24 |
| 6.5 | 3073065 | 0.021 | 13 | 12 | 15 | 5 | 11 | 26 | 28 |
| 8 | 3073008 | 0.041 | 16 | 14 | 19 | 6 | 15 | 30 | 34 |
| 10 | 3073010 | 0.068 | 19 | 18 | 22 | 8 | 17 | 34 | 42 |
| 11 | 3073011 | 0.072 | 20 | 19 | 22 | 8 | 18 | 36 | 54 |
| 13 | 3073013 | 0.130 | 24 | 23 | 30 | 10 | 21 | 42 | 55 |
| 14 | 3073014 | 0.135 | 25 | 23 | 30 | 10 | 22 | 44 | 57 |
| 16 | 3073016 | 0.210 | 29 | 26 | 33 | 12 | 26 | 50 | 63 |
| 19 | 3073019 | 0.280 | 32 | 29 | 38 | 12 | 30 | 54 | 75 |
| 22 | 3073022 | 0.400 | 37 | 33 | 44 | 14 | 34 | 61 | 85 |
| 26 | 3073026 | 0.440 | 41 | 35 | 45 | 14 | 37 | 65 | 95 |
| 30 | 3073030 | 0.660 | 48 | 37 | 50 | 16 | 43 | 74 | 110 |
| 34 | 3073034 | 0.850 | 52 | 42 | 55 | 16 | 50 | 80 | 120 |
| 40 | 3073040 | 1.040 | 58 | 45 | 60 | 16 | 55 | 88 | 140 |

Regular Mark 常规标记： M10

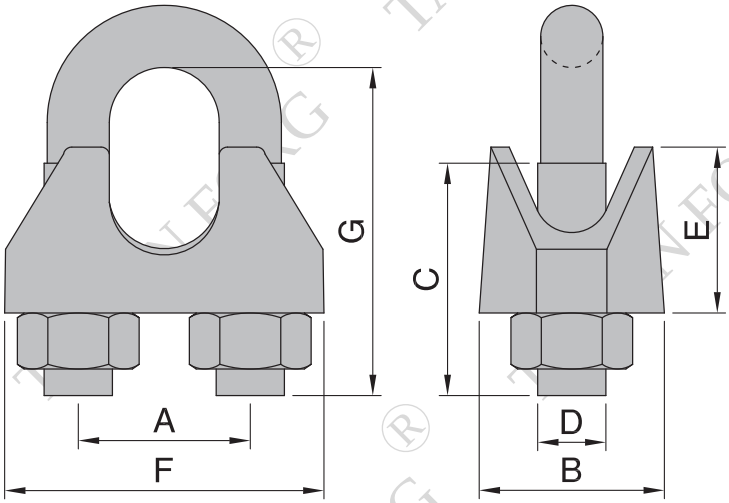


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TAWAN-074






## DIN1142 GALV MALLEABLE WIRE ROPE CLIPS 德标 1142 卡头

| Rope Size (mm) | Stock No. | Weight Per 100 (kg) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G |
| 5 | 3074005 | 2.08 | 5 | 13 | 13 | 5 | 13 | 25 | 25 |
| 6.5 | 3074065 | 4 | 6 | 16 | 17 | 6 | 14 | 30 | 32 |
| 8 | 3074008 | 8.2 | 8 | 20 | 20 | 8 | 18 | 39 | 41 |
| 10 | 3074010 | 9.2 | 8 | 20 | 24 | 8 | 21 | 40 | 46 |
| 13 | 3074013 | 27.5 | 12 | 28 | 30 | 12 | 29 | 55 | 64 |
| 16 | 3074016 | 43 | 14 | 32 | 35 | 14 | 35 | 64 | 76 |
| 19 | 3074019 | 49 | 14 | 32 | 36 | 14 | 40 | 68 | 83 |
| 22 | 3074022 | 68 | 16 | 34 | 40 | 16 | 44 | 74 | 96 |
| 26 | 3074026 | 117 | 20 | 38 | 50 | 20 | 51 | 84 | 111 |
| 30 | 3074030 | 140 | 20 | 41 | 55 | 20 | 59 | 95 | 127 |
| 34 | 3074034 | 213 | 22 | 45 | 60 | 22 | 67 | 105 | 141 |
| 40 | 3074040 | 268 | 24 | 49 | 65 | 24 | 77 | 117 | 159 |

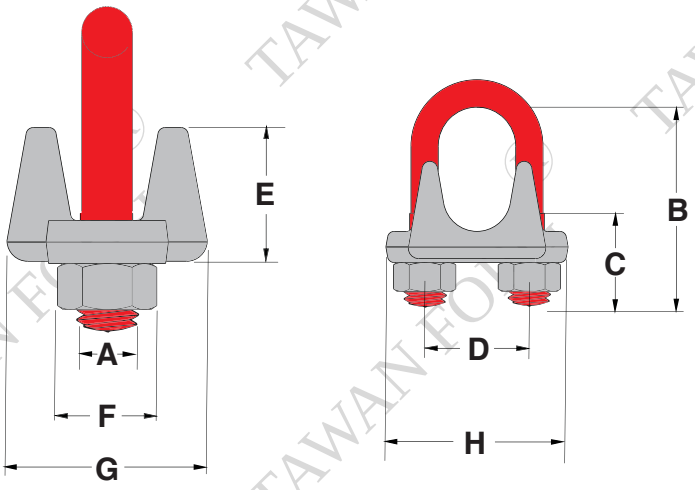
Regular Mark 常规标记： M10

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TAWAN-075






## G450 WIRE ROPE CLIPS 美式模锻卡头

| Rope Size | | Stock No. | Standard Package Qty. | Weight Per 100 (lbs.) | Dimensions (in.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | A | B | C | D | E | F | G | H |
| 1/8 | 3-4 | 3075018 | 100 | 6 | 0.22 | 0.72 | 0.44 | 0.47 | 0.37 | 0.38 | 0.81 | 0.99 |
| 3/16 | 5 | 3075316 | 100 | 10 | 0.25 | 0.97 | 0.56 | 0.59 | 0.50 | 0.44 | 0.94 | 1.18 |
| 1/4 | 6-7 | 3075014 | 100 | 19 | 0.31 | 1.03 | 0.50 | 0.75 | 0.66 | 0.56 | 1.19 | 1.43 |
| 5/16 | 8 | 3075516 | 100 | 28 | 0.38 | 1.38 | 0.75 | 0.88 | 0.73 | 0.69 | 1.31 | 1.66 |
| 3/8 | 9-10 | 3075038 | 100 | 48 | 0.44 | 1.50 | 0.75 | 1.00 | 0.91 | 0.75 | 1.63 | 1.94 |
| 7/16 | 11 | 3075716 | 50 | 78 | 0.50 | 1.88 | 1.00 | 1.19 | 1.13 | 0.88 | 1.91 | 2.28 |
| 1/2 | 12-13 | 3075012 | 50 | 80 | 0.50 | 1.88 | 1.00 | 1.19 | 1.13 | 0.88 | 1.91 | 2.28 |
| 9/16 | 14-15 | 3075916 | 50 | 109 | 0.56 | 2.25 | 1.25 | 1.31 | 1.34 | 0.94 | 2.06 | 2.50 |
| 5/8 | 16 | 3075058 | 50 | 110 | 0.56 | 2.25 | 1.25 | 1.31 | 1.34 | 0.94 | 2.06 | 2.50 |
| 3/4 | 18-20 | 3075034 | 25 | 142 | 0.62 | 2.75 | 1.44 | 1.50 | 1.39 | 1.06 | 2.25 | 2.84 |
| 7/8 | 22 | 3075078 | 25 | 212 | 0.75 | 3.12 | 1.62 | 1.75 | 1.58 | 1.25 | 2.44 | 3.16 |
| 1 | 24-26 | 3075100 | 10 | 252 | 0.75 | 3.50 | 1.81 | 1.88 | 1.77 | 1.25 | 2.63 | 3.47 |
| 1-1/8 | 28-30 | 3075118 | 10 | 283 | 0.75 | 3.88 | 2.00 | 2.00 | 1.91 | 1.44 | 2.81 | 3.59 |
| 1-1/4 | 32-34 | 3075114 | 10 | 438 | 0.88 | 4.44 | 2.22 | 2.34 | 2.17 | 1.44 | 3.13 | 4.13 |
| 1-3/8 | 36 | 3075138 | 10 | 442 | 0.88 | 4.44 | 2.22 | 2.34 | 2.31 | 1.44 | 3.13 | 4.19 |
| 1-1/2 | 38 | 3075112 | 10 | 544 | 0.88 | 4.94 | 2.38 | 2.59 | 2.44 | 1.63 | 3.41 | 4.44 |
| 1-5/8 | 41-42 | 3075158 | Buck | 704 | 1.00 | 5.31 | 2.62 | 2.75 | 2.66 | 1.81 | 3.63 | 4.75 |
| 1-3/4 | 44-46 | 3075134 | Buck | 934 | 1.13 | 5.75 | 2.75 | 3.06 | 2.92 | 2.00 | 3.81 | 5.24 |
| 2 | 48-52 | 3075200 | Buck | 1300 | 1.25 | 6.44 | 3.00 | 3.38 | 3.03 | 2.00 | 4.44 | 5.88 |
| 2-1/4 | 56-58 | 3075214 | Buck | 1600 | 1.25 | 7.13 | 3.19 | 3.88 | 3.19 | 2.00 | 4.56 | 6.38 |
| 2-1/2 | 62-65 | 3075212 | Buck | 1900 | 1.25 | 7.69 | 3.44 | 4.13 | 3.69 | 2.00 | 4.69 | 6.63 |
| 2-3/4 | 68-72 | 3075234 | Buck | 2300 | 1.25 | 8.31 | 3.56 | 4.38 | 4.88 | 2.00 | 5.00 | 6.88 |
| 3 | 75-78 | 3075300 | Buck | 3100 | 1.50 | 9.19 | 3.88 | 4.75 | 4.44 | 2.38 | 5.31 | 7.61 |
| 3-1/2 | 85-90 | 3075312 | Buck | 4000 | 1.50 | 10.75 | 4.50 | 5.50 | 6.00 | 2.38 | 6.19 | 8.38 |

Regular Mark 常规标记： 5/16

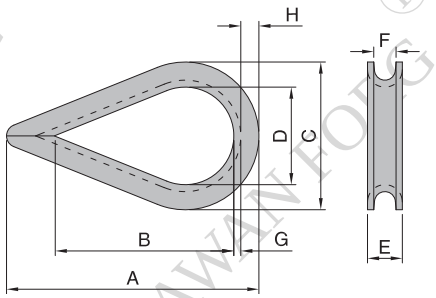
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TAWAN-076



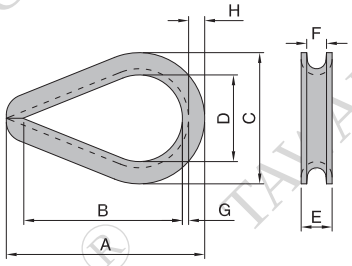



## G411 STANDARD WIRE ROPE THIMBLE
## G411 普通钢丝绳套环

| Rope Dia. | | Stock No. | Weight Per 100 (kg) | Dimensions (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | A | B | C | D | E | F | G | H |
| 1/8 | 3-4 | 3076018 | 3.5 | 1.94 | 1.31 | 1.06 | 0.69 | 0.25 | 0.16 | 0.05 | 0.13 |
| 3/16 | 5 | 3076316 | 3.5 | 1.94 | 1.31 | 1.06 | 0.69 | 0.31 | 0.22 | 0.05 | 0.13 |
| 1/4 | 6-7 | 3076014 | 3.5 | 1.94 | 1.31 | 1.06 | 0.69 | 0.38 | 0.28 | 0.05 | 0.13 |
| 5/16 | 8 | 3076516 | 4.00 | 2.13 | 1.50 | 1.25 | 0.81 | 0.44 | 0.34 | 0.05 | 0.13 |
| 3/8 | 9-10 | 3076038 | 6.70 | 2.38 | 1.63 | 1.47 | 0.94 | 0.53 | 0.41 | 0.06 | 0.16 |
| 1/2 | 11-13 | 3076012 | 12.50 | 2.75 | 1.88 | 1.75 | 1.13 | 0.69 | 0.53 | 0.08 | 0.19 |
| 5/8 | 16 | 3076058 | 34.50 | 3.50 | 2.25 | 2.38 | 1.38 | 0.91 | 0.66 | 0.13 | 0.34 |
| 3/4 | 18-20 | 3076034 | 47.10 | 3.75 | 2.50 | 2.69 | 1.63 | 1.08 | 0.78 | 0.14 | 0.34 |
| 7/8 | 22 | 3076078 | 84.60 | 5.00 | 3.50 | 3.19 | 1.88 | 1.27 | 0.94 | 0.16 | 0.44 |
| 1 | 24-26 | 3076100 | 97.50 | 5.69 | 4.25 | 3.75 | 2.50 | 1.39 | 1.06 | 0.16 | 0.41 |
| 1-1/8-1-1/4 | 28-32 | 3076118 | 175.00 | 6.25 | 4.50 | 4.31 | 2.75 | 1.75 | 1.31 | 0.22 | 0.50 |

TAWAN-077






## G414 EXTRA HEAVY WIRE ROPE THIMBLE
## G414 重型钢丝绳套环

| Rope Dia. | | Stock No. | Weight Per 100 (kg) | Dimensions (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | A | B | C | D | E | F | G | H |
| 1/4 | 6-7 | 3077014 | 7 | 2.19 | 1.62 | 1.50 | 0.88 | 0.41 | 0.28 | 0.06 | 0.25 |
| 5/16 | 8 | 3076516 | 14 | 2.50 | 1.88 | 1.81 | 1.06 | 0.50 | 0.34 | 0.08 | 0.30 |
| 3/8 | 9-10 | 3076038 | 23 | 2.88 | 2.12 | 2.12 | 1.12 | 0.63 | 0.41 | 0.11 | 0.39 |
| 7/16 | 11-12 | 3076716 | 37 | 3.25 | 2.38 | 2.38 | 1.25 | 0.72 | 0.47 | 0.12 | 0.45 |
| 1/2-9/16 | 13-15 | 3076916 | 50 | 3.62 | 2.75 | 2.75 | 1.50 | 0.89 | 0.59 | 0.15 | 0.48 |
| 5/8 | 16 | 3076058 | 82 | 4.25 | 3.25 | 3.12 | 1.75 | 1.00 | 0.66 | 0.16 | 0.53 |
| 3/4 | 18-20 | 3076034 | 157 | 5.00 | 3.75 | 3.81 | 2.00 | 1.22 | 0.78 | 0.22 | 0.69 |
| 7/8 | 22 | 3076078 | 190 | 5.50 | 4.25 | 4.25 | 2.25 | 1.38 | 0.94 | 0.22 | 0.78 |
| 1 | 24-26 | 3076100 | 280 | 6.12 | 4.50 | 4.75 | 2.50 | 1.56 | 1.06 | 0.25 | 0.88 |
| 1-1/8-1-1/4 | 28-32 | 3076118 | - | 7.00 | 5.12 | 5.88 | 2.88 | 1.88 | 1.31 | 0.25 | 1.25 |
| 1-1/4-1-3/8 | 32-35 | 3076114 | 830 | 9.08 | 6.50 | 6.81 | 3.50 | 2.25 | 1.44 | 0.37 | 1.29 |
| 1-3/8-1-1/2 | 35-38 | 3076138 | 1250 | 9.00 | 6.25 | 7.12 | 3.50 | 2.62 | 1.56 | 0.50 | 1.31 |
| 1-5/8 | 40 | 3076158 | - | 11.25 | 8.00 | 8.12 | 4.00 | 3.00 | 1.72 | 0.50 | 1.38 |
| 1-3/4 | 44 | 3076134 | 1860 | 12.19 | 9.00 | 8.50 | 4.50 | 3.06 | 1.84 | 0.50 | 1.50 |
| 1-7/8-2 | 48-52 | 3076178 | 2780 | 15.12 | 12.00 | 10.38 | 6.00 | 3.38 | 2.09 | 0.50 | 1.69 |
| 2-1/4 | 56 | 3076214 | - | 17.50 | 14.00 | 11.88 | 7.00 | 3.88 | 2.38 | 0.62 | 1.82 |

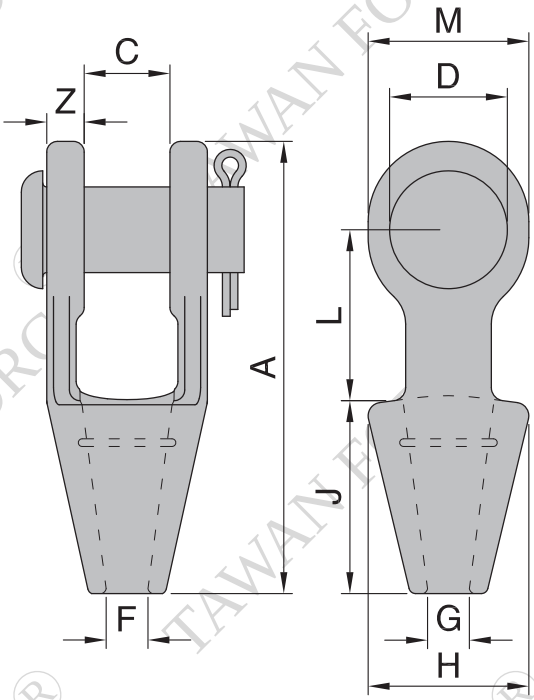


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TAWAN-078






## G416 OPEN SPELTER SOCKETS G416 开式索节

| Rope Size | | Stock No. | Ultimate Load (t) | Weight Eacn (lbs.) | Dimensions (in.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | A | C | D | F | G | H | J | L | M | N |
| 1/4 | 6-7 | 3078014 | 4.5 | 1.10 | 4.56 | 0.75 | 0.69 | 0.38 | 0.69 | 1.56 | 2.25 | 1.56 | 1.31 | 0.56 |
| 5/16-3/8 | 8-10 | 3078516 | 12 | 1.30 | 4.84 | 0.81 | 0.81 | 0.50 | 0.81 | 1.69 | 2.25 | 1.75 | 1.50 | 0.44 |
| 7/16-1/2 | 10-13 | 3078716 | 20 | 2.25 | 5.56 | 1.00 | 1.00 | 0.56 | 0.94 | 1.88 | 2.50 | 2.00 | 1.88 | 0.50 |
| 9/16-5/8 | 14-16 | 3078916 | 27 | 3.60 | 6.75 | 1.25 | 1.19 | 0.69 | 1.13 | 2.25 | 3.00 | 2.50 | 2.25 | 0.56 |
| 3/4 | 18 | 3078034 | 43 | 5.83 | 7.94 | 1.50 | 1.38 | 0.81 | 1.25 | 2.62 | 3.50 | 3.00 | 2.62 | 0.62 |
| 7/8 | 20-22 | 3078078 | 55 | 9.65 | 9.25 | 1.75 | 1.63 | 0.94 | 1.50 | 3.25 | 4.00 | 3.50 | 3.13 | 0.80 |
| 1 | 24-26 | 3078100 | 78 | 15.50 | 10.56 | 2.00 | 2.00 | 1.13 | 1.75 | 3.75 | 4.50 | 4.00 | 3.75 | 0.88 |
| 1-1/8 | 28-30 | 3078118 | 92 | 21.50 | 11.81 | 2.25 | 2.25 | 1.25 | 2.00 | 4.12 | 5.00 | 4.62 | 4.12 | 1.00 |
| 1-1/4-1-3/8 | 32-35 | 3078114 | 136 | 31.00 | 13.19 | 2.50 | 2.50 | 1.50 | 2.25 | 4.75 | 5.50 | 5.00 | 4.75 | 1.13 |
| 1-1/2 | 38 | 3078112 | 170 | 47.25 | 15.12 | 3.00 | 2.75 | 1.63 | 2.75 | 5.25 | 6.00 | 6.00 | 5.38 | 1.19 |
| 1-5/8 | 40-42 | 3078158 | 188 | 55.00 | 16.25 | 3.00 | 3.00 | 1.75 | 3.00 | 5.50 | 6.50 | 6.50 | 5.75 | 1.38 |
| 1-3/4-1/7/8 | 44-48 | 3078134 | 288 | 82.00 | 18.25 | 3.50 | 3.50 | 2.00 | 3.13 | 6.38 | 7.50 | 7.00 | 6.50 | 1.50 |
| 2-2-1/8 | 50-54 | 3078218 | 291 | 129.00 | 21.50 | 4.00 | 3.75 | 2.25 | 3.75 | 7.38 | 8.50 | 9.00 | 7.00 | 1.81 |
| 2-1/4-2-3/8 | 56-60 | 3078238 | 360 | 167.00 | 23.50 | 4.50 | 4.25 | 2.50 | 4.00 | 8.25 | 9.00 | 10.00 | 7.75 | 2.13 |
| 2-1/2-2-5/8 | 64-67 | 3078258 | 424 | 252.00 | 25.50 | 5.00 | 4.75 | 2.88 | 4.50 | 9.25 | 9.75 | 10.75 | 8.50 | 2.38 |
| 2-3/4--2-7/8 | 70-73 | 3078278 | 511 | 315.00 | 27.25 | 5.25 | 5.00 | 3.12 | 4.88 | 10.50 | 11.00 | 11.00 | 9.00 | 2.28 |
| 3-2-1/8 | 75-80 | 3078318 | 563 | 380.00 | 29.00 | 5.75 | 5.25 | 3.38 | 5.25 | 11.12 | 12.00 | 11.25 | 9.50 | 3.00 |
| 3-1/4-3-3/8 | 82-86 | 3078338 | 722 | 434.00 | 30.88 | 6.25 | 5.50 | 3.62 | 5.75 | 11.88 | 13.00 | 11.75 | 10.00 | 3.12 |
| 3-1/2-3-5/8 | 88-92 | 3078358 | 779 | 563.00 | 33.25 | 6.75 | 6.00 | 3.88 | 6.50 | 12.38 | 14.00 | 12.50 | 10.75 | 3.25 |
| 3-3/4-4 | 94-102 | 3078334 | 875 | 783.00 | 36.25 | 7.50 | 7.00 | 4.25 | 7.25 | 13.62 | 15.00 | 13.50 | 12.50 | 3.50 |

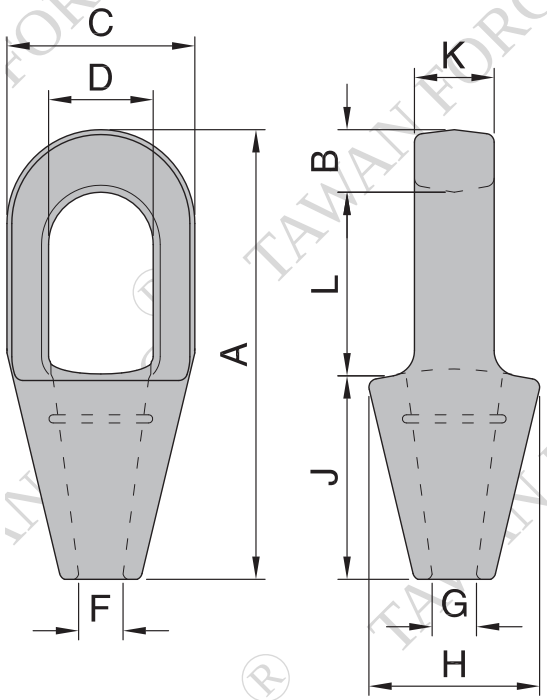


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TAWAN-079






## G417 CLOSED SPELTER SOCKETS G417 闭式索节

| Rope Size | | Stock No. | Ultimate Load (t) | Weight Eacn (lbs.) | Dimensions (in.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (in.) | (mm) | | | | A | B | C | D | F | G | H | J | K | L |
| 1/4 | 6-7 | 3079014 | 4.5 | 0.50 | 4.50 | 0.50 | 1.50 | 0.88 | 0.38 | 0.69 | 1.56 | 2.25 | 0.50 | 1.75 |
| 5/16-3/8 | 8-10 | 3079516 | 12 | 0.75 | 4.94 | 0.62 | 1.69 | 0.97 | 0.50 | 0.81 | 1.69 | 2.25 | 0.69 | 2.06 |
| 7/16-1/2 | 10-13 | 3079716 | 20 | 1.50 | 5.50 | 0.69 | 2.00 | 1.16 | 0.56 | 0.94 | 2.00 | 2.50 | 0.88 | 2.31 |
| 9/16-5/8 | 14-16 | 3079916 | 30.8 | 2.50 | 6.31 | 0.81 | 2.63 | 1.41 | 0.69 | 1.12 | 2.38 | 3.00 | 1.00 | 2.50 |
| 3/4 | 18 | 3079034 | 43.5 | 4.25 | 7.62 | 1.06 | 3.00 | 1.66 | 0.88 | 1.25 | 2.75 | 3.50 | 1.25 | 3.06 |
| 7/8 | 20-22 | 3079078 | 65.3 | 7.25 | 8.75 | 1.25 | 3.63 | 1.94 | 1.00 | 1.50 | 3.25 | 4.00 | 1.50 | 3.50 |
| 1 | 24-26 | 3079100 | 81.6 | 10.50 | 9.88 | 1.38 | 4.13 | 2.30 | 1.13 | 1.75 | 3.75 | 4.50 | 1.75 | 4.00 |
| 1-1/8 | 28-30 | 3079118 | 100 | 14.25 | 11.00 | 1.50 | 4.50 | 2.56 | 1.25 | 2.00 | 4.13 | 5.00 | 2.00 | 4.50 |
| 1-1/4-1-3/8 | 32-35 | 3079114 | 137 | 19.75 | 12.12 | 1.63 | 5.00 | 2.81 | 1.50 | 2.25 | 4.75 | 5.50 | 2.25 | 5.00 |
| 1-1/2 | 38 | 3079112 | 170 | 29.20 | 13.94 | 1.94 | 5.38 | 3.19 | 1.63 | 2.75 | 5.25 | 6.00 | 2.50 | 6.00 |
| 1-5/8 | 40-42 | 3079158 | 188 | 36.00 | 15.13 | 2.13 | 5.75 | 3.25 | 1.75 | 3.00 | 5.50 | 6.50 | 2.75 | 6.50 |
| 1-3/4-1/7/8 | 44-48 | 3079134 | 268 | 57.25 | 17.25 | 2.19 | 6.75 | 3.75 | 2.00 | 3.13 | 6.38 | 7.50 | 3.00 | 7.56 |
| 2-2-1/8 | 50-54 | 3079218 | 309 | 79.00 | 19.87 | 2.44 | 7.63 | 4.38 | 2.25 | 3.75 | 7.38 | 8.50 | 3.25 | 8.81 |
| 2-1/4-2-3/8 | 56-60 | 3079238 | 360 | 105.00 | 21.50 | 2.75 | 8.50 | 5.00 | 2.63 | 4.13 | 8.25 | 9.00 | 3.63 | 9.75 |
| 2-1/2-2-5/8 | 64-67 | 3079258 | 424 | 140.00 | 23.50 | 3.12 | 9.50 | 5.50 | 2.88 | 4.50 | 9.25 | 9.75 | 4.00 | 10.62 |
| 2-3/4--2-7/8 | 70-73 | 3079278 | 549 | 220.00 | 25.38 | 3.12 | 10.75 | 6.25 | 3.12 | 4.88 | 10.19 | 11.00 | 4.88 | 11.25 |
| 3-2-1/8 | 75-80 | 3079318 | 656 | 276.00 | 27.12 | 3.37 | 11.50 | 6.75 | 3.38 | 5.25 | 11.50 | 12.00 | 5.25 | 11.75 |
| 3-1/4-3-3/8 | 82-86 | 3079338 | 750 | 313.00 | 29.25 | 4.00 | 12.25 | 7.25 | 3.62 | 5.75 | 12.25 | 13.00 | 5.75 | 12.25 |
| 3-1/2-3-5/8 | 88-92 | 3079358 | 820 | 400.00 | 31.00 | 4.00 | 13.00 | 7.75 | 3.88 | 6.31 | 13.00 | 14.00 | 6.25 | 13.00 |
| 3-3/4-4 | 94-102 | 3079334 | 1005 | 542.00 | 33.25 | 4.25 | 14.25 | 8.50 | 4.25 | 7.25 | 14.25 | 15.00 | 7.00 | 14.00 |

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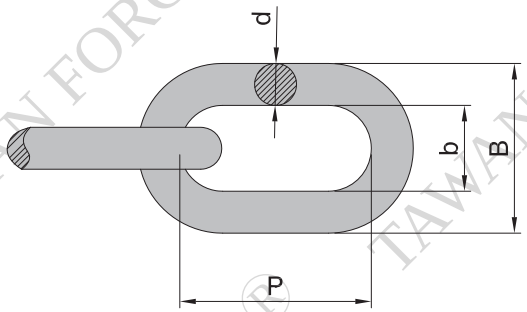
# CHAIN & ACCESSORIES


LIFTING CHAIN / HOIST CHAIN 起重链 ---- 65
HIGH TEST CHAIN FOR MINING 高强度矿用链 ---- 66
LASHING CHAIN 捆绑链 ---- 67
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TAWAN-080

- Material: Carbon steel.
  材质：锰钢。
- Standard: ISO3077,EN818-2,AS2321.
  标准：ISO3077，EN818-2，AS2321。
- Grade: 80,70.
  等级：80 级，70 级。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。




## LIFTING CHAIN / HOIST CHAIN 起重链

| Size d × P (mm) | Stock No. | Weight (kg)/m | Inside Length P | Min Inside Width b | Max Outside Width B | Working Load Limit (kn)* | Test Load (kn) | Breaking Load (kn) |
|---|---|---|---|---|---|---|---|---|
| 6 × 18 | 4080618 | 0.79 | 18 | 7.5 | 21 | 11 | 27 | 45.2 |
| 7 × 21 | 4080721 | 1.07 | 21 | 9 | 24.5 | 15 | 37 | 61.6 |
| 8 × 24 | 4080824 | 1.38 | 24 | 10 | 28 | 20 | 48 | 80.4 |
| 9 × 27 | 4080927 | 1.9 | 27 | 11.5 | 30 | 24.5 | 61 | 102 |
| 10 × 30 | 4080130 | 2.2 | 30 | 12.5 | 35 | 32 | 76 | 125 |
| 12 × 36 | 4080136 | 3.3 | 36 | 15.5 | 42.2 | 49 | 117 | 196 |
| 13 × 39 | 4080139 | 3.8 | 39 | 16.3 | 46 | 50 | 128 | 214 |
| 14 × 42 | 4080142 | 4.13 | 42 | 18 | 49 | 63 | 150 | 250 |
| 16 × 48 | 4080168 | 5.63 | 48 | 20 | 56 | 80 | 192 | 320 |
| 18 × 54 | 4080184 | 6.85 | 54 | 23 | 63 | 100 | 246 | 410 |
| 20 × 60 | 4080200 | 8.6 | 60 | 25 | 70 | 125 | 300 | 500 |
| 22 × 66 | 4080226 | 10.5 | 66 | 28 | 77 | 153 | 366 | 610 |
| 24 × 72 | 4080242 | 12.78 | 72 | 32 | 82 | 180 | 432 | 720 |
| 26 × 78 | 4080268 | 14.87 | 78 | 35 | 91 | 213 | 510 | 650 |
| 30 × 90 | 4080300 | 19.6 | 90 | 38 | 105 | 283 | 678 | 1130 |
| 32 × 96 | 4080326 | 22.29 | 96 | 40 | 106 | 322 | 772 | 1289 |
| 34 × 102 | 4080342 | 25.5 | 102 | 46.5 | 121.5 | 363 | 870 | 1450 |
| 36 × 108 | 4080368 | 31 | 108 | 49.5 | 128.5 | 407 | 978 | 1630 |
| 38 × 114 | 4080384 | 32 | 114 | 52 | 136 | 453 | 1086 | 1810 |
| 42 × 126 | 4080426 | 38.6 | 126 | 55.5 | 144.5 | 554 | 1332 | 2200 |

*Minimum Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： G80

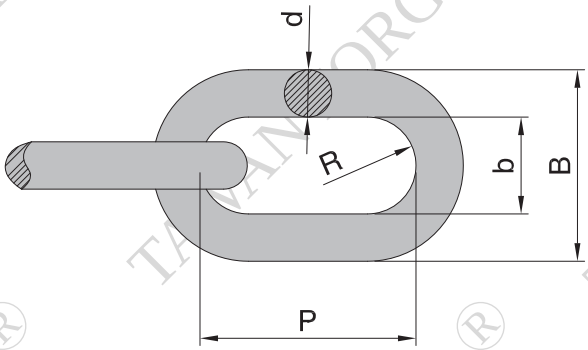
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**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用



TAWAN-081

- Material: Carbon steel (Cr,Ni,Mo etc.).
  材质：锰钢 (Cr,Ni,Mo etc.)。
- Standard: ISO-610-1990(E),DIN22252:2001-09. GB/T12718-2009,PN-G-46701:1997。
  标准：ISO-610-1990(E),DIN22252:2001-09。GB/T12718-2009,PN-G-46701:1997。
- Tension Grade: B,C,D.
  强度等级：B 级，C 级，D 级。
- Finish:self-coloured，dipping paint or galvanized.
  表面：原色，蘸漆或者镀锌。




## HIGH TEST CHAIN FOR MINING 高强度矿用链

| Size d × P (mm) | Stock No. | Diameter d | Inside Length P | Circle Radius R | Min Inside Width b | Max Outside Width B | Test Load (kn) | Breaking Load (kn) | Grade |
|---|---|---|---|---|---|---|---|---|---|
| 10 × 40 | 4081104 | 10 ± 0.4 | 40 ± 0.5 | 15 | 12 | 34 | 85 | 110 | B |
| | | | | | | | 100 | 130 | C |
| 14 × 50 | 408115 | 14 ± 0.4 | 50 ± 0.5 | 22 | 17 | 48 | 150 | 190 | B |
| | | | | | | | 200 | 250 | C |
| 18 × 64 | 4081184 | 18 ± 0.4 | 64 ± 0.6 | 28 | 21 | 60 | 260 | 320 | B |
| | | | | | | | 330 | 410 | C |
| 22 × 86 | 4081226 | 22 ± 0.5 | 86 ± 0.9 | 34 | 26 | 74 | 380 | 480 | B |
| | | | | | | | 490 | 610 | C |
| 26 × 92 | 4081262 | 26 ± 0.8 | 92 ± 0.9 | 40 | 30 | 86 | 540 | 670 | B |
| | | | | | | | 680 | 850 | C |
| 30 × 108 | 4081308 | 30 ± 0.9 | 108 ± 1.0 | 46 | 34 | 98 | 710 | 890 | B |
| | | | | | | | 900 | 1130 | C |
| 34 × 126 | 4081346 | 34 ± 1.0 | 126 ± 1.2 | 52 | 38 | 109 | 900 | 1140 | B |
| | | | | | | | 1160 | 1450 | C |
| 38 × 137 | 4081387 | 38 ± 1.1 | 137 ± 1.4 | 28 | 42 | 123 | 1450 | 1810 | C |
| | | | | | 42 | 110 | | | |
| 42 × 146 | 4081426 | 42 ± 1.3 | 146 ± 1.5 | 64 | 46 | 135 | 1770 | 2220 | C |
| | | | | | 46 | 115 | | | |
| 48 × 152 | 4081482 | 48 ± 1.5 | 152 ± 1.5 | 78 | 62 | 163 | 1850 | 2900 | C |
| | | | | | 56 | 127 | | | |





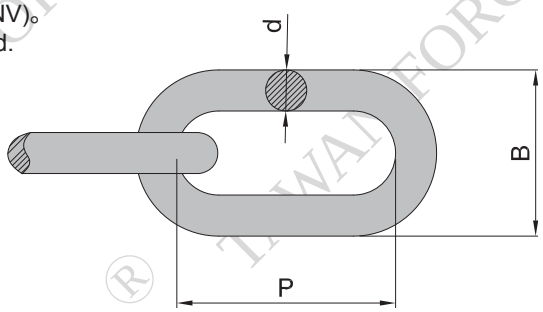
**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-082

- Material: 20Mn$_2$.20MNV,25MNV.
  材质：锰钢 (20Mn$_2$.20MNV,25MNV)。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。



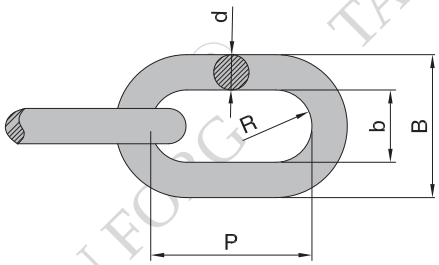

## LASHING CHAIN 捆绑链

| Size d (mm) | Stock No. | Weight (kg/m) | Inside Length P | Outside Width B | ProofLoad (kn) | Breaking Load (kn) |
|---|---|---|---|---|---|---|
| 9 | 4082009 | 1.42 | 53 | 33 | 49 | 98 |
| 10(A) | 4082100 | 1.75 | 65 | 42 | 63 | 125 |
| 10(B) | 4082101 | 1.8 | 53 | 35 | 63 | 125 |
| 11 | 4082011 | 2.18 | 64 | 40 | 73.5 | 147 |
| 12 | 4082012 | 2.58 | 64 | 42 | 73.58 | 147 |
| 13(A) | 4082130 | 3.05 | 82 | 54.6 | 95 | 190 |
| 13(B) | 4082131 | 3.01 | 80 | 48 | 95 | 190 |
| 14 | 4082014 | 3.55 | 80 | 50 | 100 | 200 |
| 16 | 4082016 | 4.58 | 96 | 57 | 136 | 273 |
| 19 | 4082019 | 7.64 | 100 | 67.2 | 160 | 320 |



TAWAN-083

- Material: Carbon steel.
  材质：锰钢。
- Standard: ISO,DIN,BS,JIS,GB etc.
  标准：ISO,DIN,BS,JIS,GB 等。
- Tension Grade: C,B.
  强度等级：C 级，B 级。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。




## THREE LINK CHAIN FOR MINING 矿车用三环链

| Size d × P (mm) | Stock No. | Diameter d | Inside Length P | Circle Radius R | Min Inside Width b | Max Outside Width B | Test Load (kn) | Breaking Load (kn) | Weight (kg/m) |
|---|---|---|---|---|---|---|---|---|---|
| 22 × 105 | 4083225 | 22 | 105 | 41 | 40 | 87 | 70 | 370 | 2.9 |
| 26 × 118 | 4083268 | 26 | 118 | 48 | 46 | 102 | 100 | 520 | 4.6 |
| 28 × 120 | 4083280 | 28 | 120 | 51 | 48 | 108 | 110 | 610 | 6.7 |
| 30 × 120 | 4083302 | 30 | 120 | 53 | 48 | 112 | 120 | 670 | 7.8 |
| 30 × 130 | 4083303 | 30 | 130 | 56.5 | 55 | 119 | 120 | 670 | 6.9 |
| 32 × 140 | 4083324 | 32 | 140 | 60 | 58 | 126 | 140 | 790 | 9.9 |
| 34 × 147 | 4083347 | 34 | 147 | 65 | 64 | 136 | 160 | 890 | 10.1 |
| 38 × 145 | 4083385 | 38 | 145 | 77 | 80 | 160 | 200 | 1110 | 13.65 |

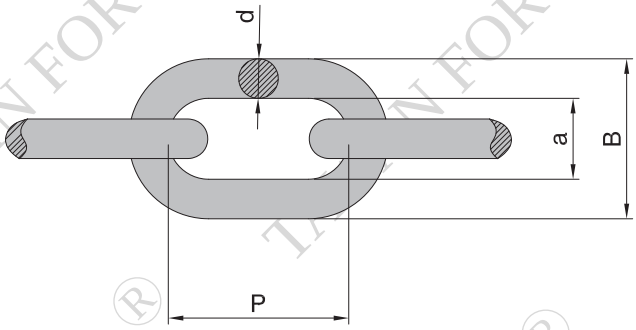


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**WARNING 警告** Never exceed Working Load Limit
绝对不能超过工作拉力使用

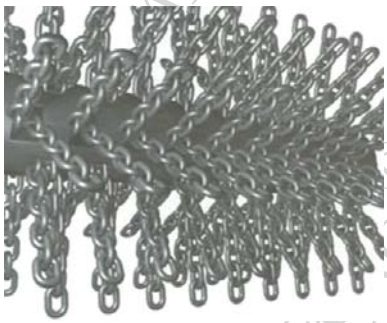


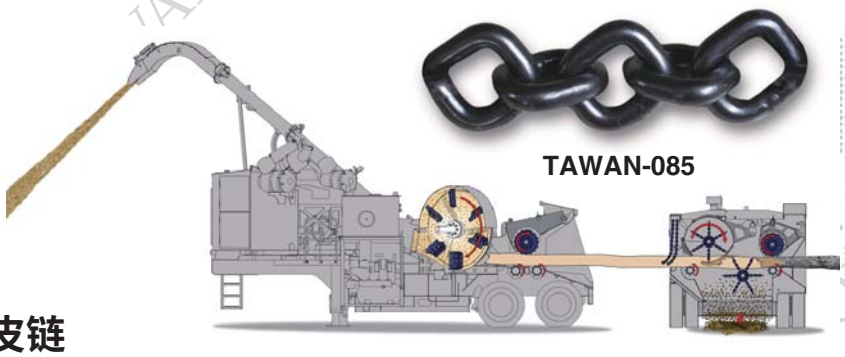
TAWAN-084




## FISHING CHAIN 捕鱼链

| Kinds of Chain | Stock No. | Size d × P (mm) | Width (mm) | | Weight (kg/m) | Breaking Load (kn) |
|---|---|---|---|---|---|---|
| | | | Inside Width a | Outside Width B | | |
| Short link Chain | 4084721 | 7 × 21 | 10 | 25.5 | 1.05 | 60 |
| | 4084103 | 10 × 30 | 14 | 36 | 2.2 | 125 |
| | 4084139 | 13 × 39 | 18.1 | 47.1 | 3.8 | 214 |
| | 4084168 | 16 × 48 | 22.4 | 57.4 | 5.63 | 320 |
| | 4084199 | 19 × 59 | 27.8 | 68.8 | 7.81 | 450 |
| | 4084206 | 20 × 60 | 29 | 72 | 8.52 | 500 |
| Mid Link Chain | 4084104 | 10 × 40 | 15 | 37 | 1.9 | 125 |
| | 4084132 | 13 × 52 | 19.5 | 48.5 | 3.31 | 214 |
| | 4084145 | 14 × 50 | 18.5 | 49.5 | 4 | 250 |
| | 4084164 | 16 × 64 | 24 | 59 | 4.97 | 320 |
| | 4084196 | 19 × 76 | 28.5 | 69.5 | 6.92 | 450 |
| | 4084226 | 22 × 86 | 27 | 74 | 9.5 | 610 |
| | 4084262 | 26 × 92 | 31 | 86 | 13.7 | 850 |
| Long Link Chain | 4084745 | 7 × 45 | 10 | 25.5 | 0.82 | 60 |
| | 4084953 | 9 × 53 | 15 | 35 | 1.36 | 100 |
| | 4084113 | 11 × 63 | 18 | 43 | 2.16 | 152 |
| | 4084138 | 13 × 80 | 22 | 51 | 2.93 | 214 |
| | 4084160 | 16 × 100 | 26 | 61 | 4.34 | 320 |
| | 4084190 | 19 × 100 | 27 | 68 | 6.31 | 450 |
| | 4084222 | 22 × 120 | 37 | 84 | 8.94 | 610 |
| | 4084285 | 28 × 150 | 44 | 103 | 14.41 | 980 |







TAWAN-085

## DEBARKING CHAIN 剥皮链

| Number of Links | Material Diameter (in.) | Inside Links Dimensions (in.) | Working Length (in.) | Pieces/Drum | Weight/Drum (lbs.) |
|---|---|---|---|---|---|
| 8 | 0.63 | 0.95 × 1.68 | 14.07 | 250 | 1158 |
| 9 | 0.63 | 0.95 × 1.68 | 15.75 | 200 | 1034 |
| 10 | 0.63 | 0.95 × 1.68 | 17.43 | 150 | 1155 |



**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

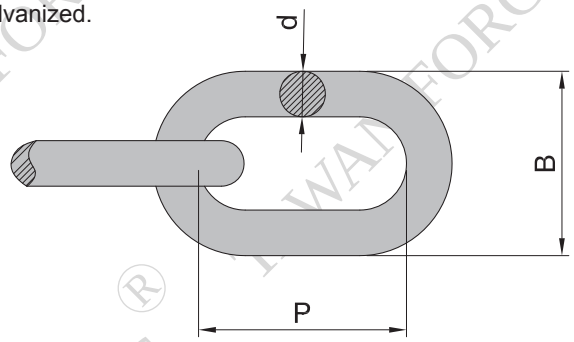


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TAWAN-086

- Material: 20Mn$_2$.20MNV,25MNV.
  材质：锰钢 (20Mn$_2$.20MNV,25MNV)。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。

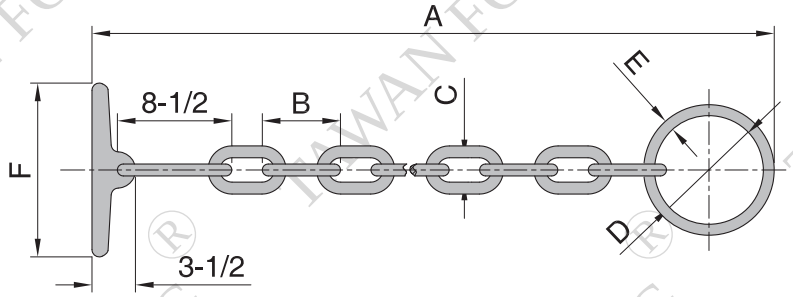



## HATCH BOARD CHAIN 船用舱盖链

| Size d (mm) | Stock No. | Weight (kg/m) | Inside Length P | Outside Width B | ProofLoad (kn) | Breaking Load (kn) |
|---|---|---|---|---|---|---|
| 11 | 4086011 | 2.39 | 43 | 12.5 | 57 | 116 |
| 14(A) | 4086140 | 3.95 | 50 | 17 | 97 | 194 |
| 14(B) | 4086141 | 4.32 | 42 | 18 | 97 | 194 |
| 15 | 4086015 | 5.2 | 42 | 21 | 106 | 212 |
| 16(A) | 4086160 | 5.34 | 55 | 22 | 128 | 254 |
| 16(B) | 4086161 | 5.29 | 55 | 18 | 128 | 254 |
| 18(A) | 4086180 | 7.12 | 54 | 54 | 161 | 322 |
| 18(B) | 4086181 | 6.32 | 64 | 64 | 161 | 322 |
| 19 | 4086019 | 7.6 | 57 | 57 | 164 | 330 |
| 20(A) | 4086201 | 9.5 | 60 | 60 | 129 | 359 |
| 20(B) | 4086202 | 8.57 | 62 | 62 | 179 | 359 |
| 22(A) | 4086220 | 9.86 | 78 | 78 | 240 | 480 |
| 22(B) | 4086221 | 9.24 | 86 | 86 | 240 | 480 |
| 22(C) | 4086223 | 10.6 | 66 | 66 | 240 | 480 |
| 30 | 4086030 | 18.22 | 108 | 108 | 399 | 798 |



TAWAN-087




## BOOM CHAIN 码头链

| Norminal Sine (in.) | Stock No. | Weight Each (kg) | Average Minimum Beaking Strength (lbs) | Dimensions (in.) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A(ft) | B | C | D | E | F |
| 3/4 | 4087034 | 37 | 50000 | 7 | 4-1/2 | 2-5/8 | 5-1/2 | 1 | 12 |
| 7/8 | 4087078 | 53 | 70000 | 7 | 5-1/4 | 3-1/8 | 6 | 1-1/8 | 12 |
| 1 | 4087100 | 65 | 90000 | 7 | 6 | 3-1/2 | 8 | 1-1/8 | 12 |



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TAWAN-088

## CHAIN WITH CLEVIS/EYE GRAB HOOKS ON BOTH END
## 链条配抓钩（羊角 / 羊眼）

| Size (in.) | Stock No. | ASTM1980 | | | NACM1990 | | | NACM1996/2010 | | | Pc/Drum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WT (kg) | WL (lbs.) | BL (lbs.) | WT (kg) | WL (lbs.) | BL (lbs.) | WT (kg) | WL (lbs.) | BL (lbs.) | |
| **GRADE 43** | | | | | | | | | | | |
| 1/4 × 14FT | 4088144 | 5.0 | 2600 | 7750 | 4.5 | 2600 | 7500 | 4.5 | 2600 | 7800 | 50 |
| 1/4 × 16FT | 4088146 | 6.0 | 2600 | 7750 | 5.0 | 2600 | 7500 | 5.0 | 2600 | 7800 | 40 |
| 5/16 × 14FT | 4088564 | 7.5 | 3900 | 11600 | 6.0 | 3900 | 9700 | 7.0 | 3900 | 11700 | 35 |
| 5/16 × 16FT | 4088566 | 8.5 | 3900 | 11600 | 6.5 | 3900 | 9700 | 8.0 | 3900 | 11700 | 30 |
| 5/16 × 18FT | 4088568 | 9.5 | 3900 | 11600 | 7.5 | 3900 | 9700 | 9.0 | 3900 | 11700 | 30 |
| 5/16 × 20FT | 4088562 | 10.5 | 3900 | 11600 | 8.0 | 3900 | 9700 | 9.5 | 3900 | 11700 | 25 |
| 5/16 × 25FT | 4088565 | 13.0 | 3900 | 11600 | 10.0 | 3900 | 9700 | 12.0 | 3900 | 11700 | 20 |
| 5/16 × 30FT | 4088560 | 15.5 | 3900 | 11600 | 12.0 | 3900 | 9700 | 14.0 | 3900 | 11700 | 20 |
| 3/8 × 14FT | 4088384 | 10.5 | 5400 | 16200 | 9.5 | 5400 | 15200 | 10.0 | 5400 | 16200 | 25 |
| 3/8 × 16FT | 4088386 | 12.0 | 5400 | 16200 | 11.0 | 5400 | 15200 | 11.5 | 5400 | 16200 | 25 |
| 3/8 × 20FT | 4088380 | 15.0 | 5400 | 16200 | 13.5 | 5400 | 15200 | 13.5 | 5400 | 16200 | 20 |
| 3/8 × 25FT | 4088385 | 18.5 | 5400 | 16200 | 16.5 | 5400 | 15200 | 17.5 | 5400 | 16200 | 15 |
| 3/8 × 30FT | 4088383 | 27.0 | 9200 | 27600 | 23.5 | 9200 | 25700 | 24.7 | 9200 | 27600 | 10 |
| **GRADE 70** | | | | | | | | | | | |
| 1/4 × 14FT | 4088414 | 5.0 | 3150 | 12600 | 4.5 | 3150 | 12100 | 4.0 | 3150 | 12600 | 50 |
| 1/4 × 16FT | 4088416 | 6.0 | 3150 | 12600 | 5.0 | 3150 | 12100 | 5.0 | 3150 | 12600 | 40 |
| 5/16 × 14FT | 4088614 | 7.5 | 4700 | 18800 | 6.0 | 4700 | 18800 | 7.0 | 4700 | 18800 | 35 |
| 5/16 × 16FT | 4088616 | 8.5 | 4700 | 18800 | 6.5 | 4700 | 18800 | 8.0 | 4700 | 18800 | 30 |
| 5/16 × 18FT | 4088618 | 9.5 | 4700 | 18800 | 7.5 | 4700 | 18800 | 9.0 | 4700 | 18800 | 30 |
| 5/16 × 20FT | 4088620 | 10.5 | 4700 | 18800 | 8.0 | 4700 | 18800 | 10.0 | 4700 | 18800 | 25 |
| 5/16 × 25FT | 4088625 | 13.0 | 4700 | 18800 | 10.0 | 4700 | 18800 | 12.0 | 4700 | 18800 | 20 |
| 5/16 × 30FT | 4088630 | 15.5 | 4700 | 18800 | 12.0 | 4700 | 18800 | 14.5 | 4700 | 18800 | 20 |
| 3/8 × 14FT | 4088814 | 10.5 | 6600 | 26400 | 9.5 | 6600 | 24700 | 10.0 | 6600 | 26400 | 25 |
| 3/8 × 16FT | 4088816 | 12.0 | 6600 | 26400 | 11.0 | 6600 | 24700 | 11.5 | 6600 | 26400 | 20 |
| 3/8 × 20FT | 4088820 | 15.0 | 6600 | 26400 | 13.5 | 6600 | 24700 | 14.5 | 6600 | 26400 | 20 |
| 3/8 × 25FT | 4088825 | 18.5 | 6600 | 26400 | 16.5 | 6600 | 24700 | 18.0 | 6600 | 26400 | 15 |
| 1/2 × 20FT | 4088220 | 26.0 | 11300 | 26400 | 23 | 11300 | 45200 | 24.5 | 11300 | 45200 | 10 |
| 1/2 × 25FT | 4088225 | 32.5 | 11300 | 45200 | 28 | 11300 | 41800 | 30 | 11300 | 45200 | 8 |

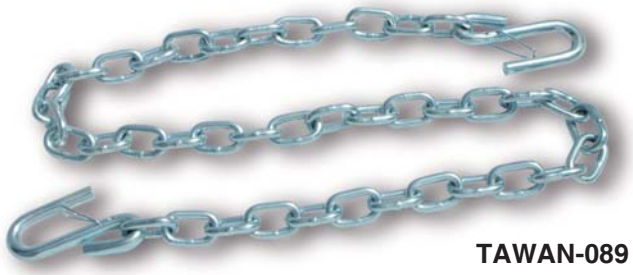
*WT-Weight Per Piece, WL-Working Load, BL-Breaking Load.



**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用



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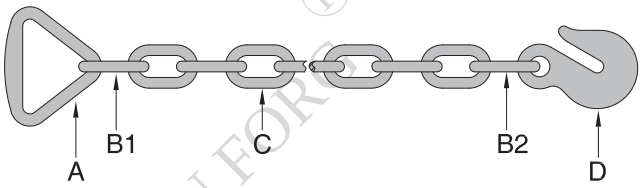
## USA STANDARD CHAIN WITH HOOKS 美国标准带钩链

| Size (in.) | Stock No. | ASTM80 | | | NACM90 | | | NACM96 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | WT (kg) | WL (lbs.) | BL (lbs.) | WT (kg) | WL (lbs.) | BL (lbs.) | WT (kg) | WL (lbs.) | BL (lbs.) |
| 3/16 × 48 | 4089368 | 0.8 | 800 | 3200 | 0.8 | 800 | 3200 | 0.8 | 800 | 3200 |
| 1/4 × 48 | 4089148 | 1.5 | 1330 | 5300 | 1.4 | 1300 | 5200 | 1.4 | 1300 | 5200 |
| 5/16 × 48 | 40895518 | 2.2 | 2000 | 8000 | 1.9 | 1900 | 6800 | 2.2 | 1900 | 7600 |

*WT-Weight Per Piece, WL-Working Load, BL-Breaking Load



TAWAN-090



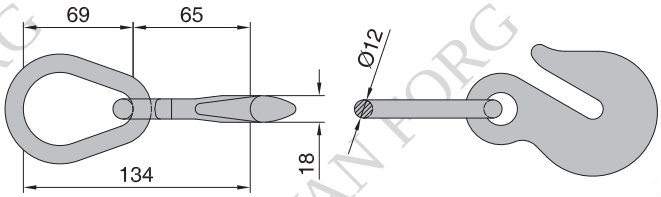

## CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END 三角环链条钩

| A (in.) | Stock No. | B1 (in.) | C (in.) | B2 (in.) | D (in.) | Length (in.) | Weight Each (kg) | Breaking Load (lbs.) | PC/Bag |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 4090201 | 3/8 | 5/16 × 11L | 3/8 | 5/16 | 18 | 1.17 | 10000 | 50 |
| 2 | 4090201 | 3/8 | 5/16 × 11L | 3/8 | 3/8 | 18 | 1.17 | 10000 | 50 |
| 3 | 4090301 | 7/16 | 5/16 × 10L | 7/16 | 5/16 | 18 | 1.32 | 16200 | 35 |
| 3 | 4090302 | 7/16 | 3/8 × 9L | 7/16 | 3/8 | 18 | 1.48 | 16200 | 35 |
| 3 | 4090303 | 7/16 | 3/8 × 5L | 7/16 | 3/8 | 12 | 1.28 | 16200 | 35 |
| 4 | 4090401 | 7/16 | 3/8 × 9L | 7/16 | 3/8 | 18 | 1.68 | 20000 | 35 |
| * | 4090501 | 3/8 | 5/16 × 11L | 3/8 | 5/16 | 18 | 1.30 | 11000 | 35 |
| * | 4090601 | 7/16 | 3/8 × 9L | 7/16 | 3/8 | 18 | 1.35 | 16200 | 35 |

*Pear Link.



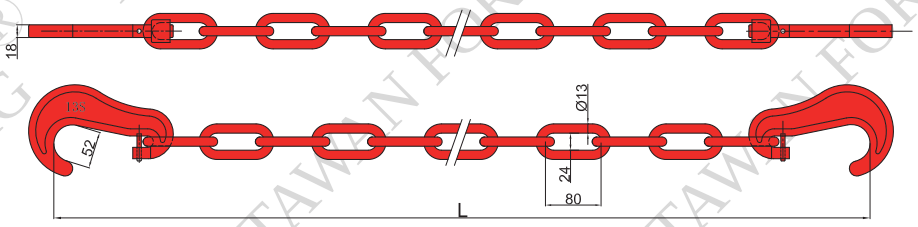
TAWAN-091



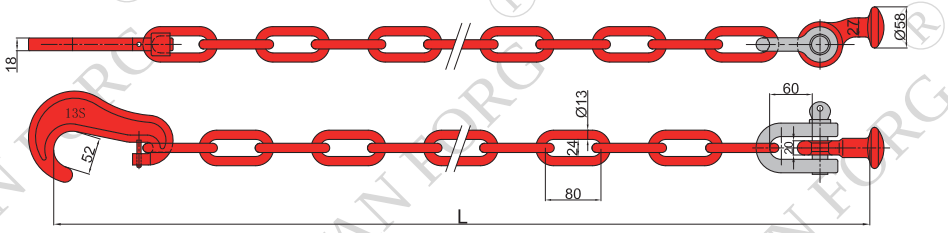

## 1/2 " PEAR LINK WITH 3/8 " EYE GRAB HOOK
## 1/2 "梨形环带 3/8 "单眼抓钩

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WARNING 警告 Never exceed Working Load Limit 绝对不能超过工作拉力使用




TAWAN-092



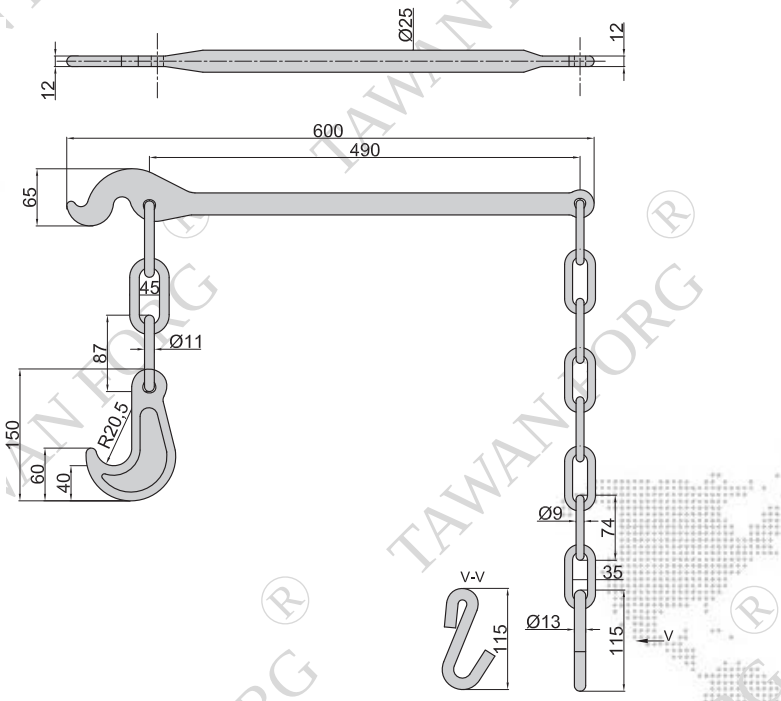

## LASHING CHAIN 捆扎链

- Material: Forged steel & high tensile steel.
  材质：高强度钢。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。
- Remark: Orther dimensions,materials & finish upon ruquest.
  其他：其他尺寸，材料和表面处理按照要求。

| DIA (mm) | L (mm) | W (mm) | B.L. (kn) | Weight/m (kg) |
|---|---|---|---|---|
| 13 | 80 | 22 | 200 | 3 |
| 11 | 65 | 20 | 150 | 2.2 |
| 9 | 56 | 15 | 100 | 1.6 |



TAWAN-093




## TENSION LEVER 捆扎杆

- Material: Forged steel & high tensile steel.
  材质：高强度钢。
- Finish:self-coloured or galvanized.
  表面：原色或者镀锌。
- Remark: Orther dimensions,materials & finish upon ruquest.
  其他：其他尺寸，材料和表面处理按照要求。

| DIA (mm) | L (mm) | D (mm) | B.L. (kn) | Weight/m (kg) |
|---|---|---|---|---|
| 13 | 485 | 14 | 200 | 6 |
| 11 | 496 | 13 | 150 | 4.5 |
| 9 | 480 | 12 | 100 | 4 |

**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

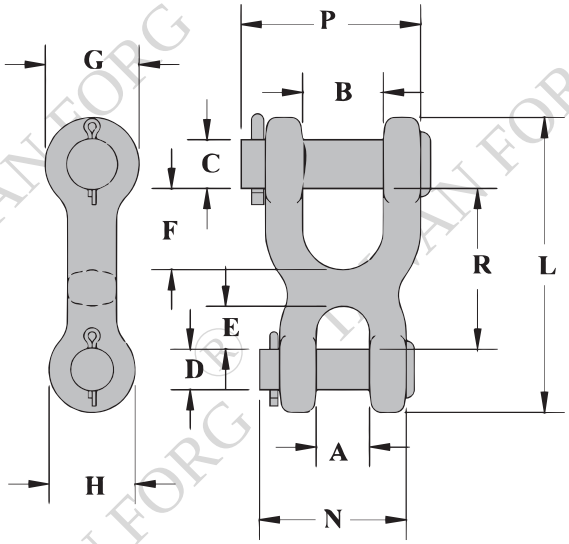




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TAWAN-094




## S247 DOOUBLE CLEVIS LINK S247 双头 X 扣

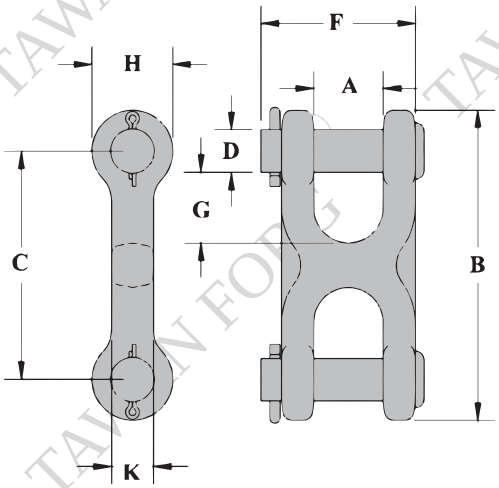
| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (kg) | Dimensions (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | H | L | N | P | R |
| 1/4 | 4094014 | 2600 | 0.38 | 0.50 | 0.75 | 0.50 | 0.31 | 0.38 | 0.75 | 1.00 | 0.81 | 2.81 | 1.38 | 1.66 | 1.50 |
| 5/16-3/8 | 4094516 | 5400 | 0.81 | 0.56 | 1.00 | 0.63 | 0.44 | 0.47 | 1.00 | 1.19 | 1.00 | 3.53 | 1.75 | 2.25 | 1.91 |
| 7/16 | 4094716 | 7200 | 1.25 | 0.69 | 1.13 | 0.69 | 0.56 | 0.59 | 1.09 | 1.31 | 1.19 | 4.06 | 2.00 | 2.50 | 2.19 |
| 1/2 | 4094012 | 9200 | 1.56 | 0.81 | 1.25 | 0.75 | 0.63 | 0.68 | 1.25 | 1.44 | 1.31 | 4.53 | 2.25 | 2.75 | 2.47 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 1/4-5/16 G70



TAWAN-095




## S249 TWIN CLEVIS LINK S249 双头 H 扣

| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (kg) | Dimensions (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | H | L | N | P | R |
| 1/4-5/16 | 4095516 | 2600 | 0.38 | 0.50 | 0.75 | 0.50 | 0.31 | 0.38 | 0.75 | 1.00 | 0.81 | 2.81 | 1.38 | 1.66 | 1.50 |
| 3/8 | 4095038 | 5400 | 0.81 | 0.56 | 1.00 | 0.63 | 0.44 | 0.47 | 1.00 | 1.19 | 1.00 | 3.53 | 1.75 | 2.25 | 1.91 |
| 7/16-1/2 | 4095716 | 7200 | 1.25 | 0.69 | 1.13 | 0.69 | 0.56 | 0.59 | 1.09 | 1.31 | 1.19 | 4.06 | 2.00 | 2.50 | 2.19 |

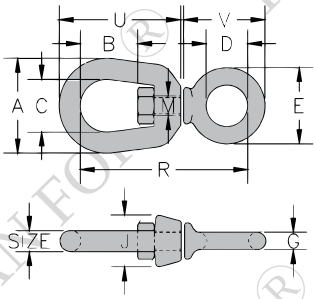
*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 1/4-5/16 G70

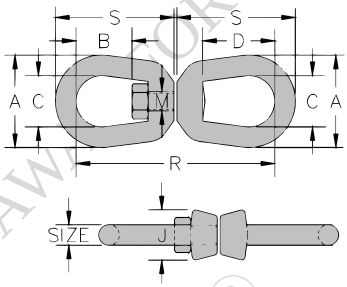


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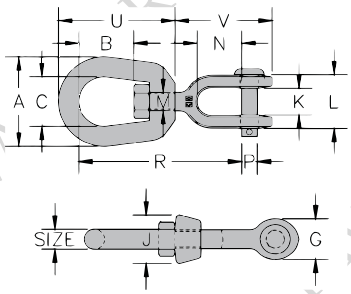
WARNING 警告 Never exceed Working Load Limit 绝对不能超过工作拉力使用




G401 TAWAN-096




G402 TAWAN-097




G403 TAWAN-098

## G401 CHAIN SWIVELS G401 眼型旋转环

| Size | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions(in.) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | G | J | M | R | U | V |
| 1/4 | 4096014 | 850 | 0.13 | 1.25 | 0.69 | 0.75 | 0.62 | 1.12 | 0.25 | 0.69 | 0.31 | 2.25 | 1.69 | 1.25 |
| 5/16 | 4096516 | 1250 | 0.25 | 1.63 | 0.81 | 1.00 | 0.75 | 1.38 | 0.31 | 0.81 | 0.38 | 2.72 | 2.06 | 1.47 |
| 3/8 | 4096038 | 2250 | 0.54 | 2.00 | 0.94 | 1.25 | 1.00 | 1.75 | 0.38 | 1.00 | 0.50 | 3.44 | 2.50 | 1.88 |
| 1/2 | 4096012 | 3600 | 1.12 | 2.50 | 1.31 | 1.50 | 1.25 | 2.25 | 0.50 | 1.31 | 0.63 | 4.25 | 3.19 | 2.44 |
| 5/8 | 4096058 | 5200 | 2.09 | 3.00 | 1.56 | 1.75 | 1.50 | 2.75 | 0.62 | 1.50 | 0.75 | 5.13 | 3.88 | 2.94 |
| 3/4 | 4096034 | 7200 | 3.09 | 3.50 | 1.75 | 2.00 | 1.75 | 3.25 | 0.75 | 1.88 | 0.88 | 5.78 | 4.94 | 3.46 |

## G402 REGULAR CHAIN SWIVELS G402 对称型旋转环

| Size | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions(in.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | J | M | R | S |
| 1/4 | 4097014 | 850 | 0.21 | 1.25 | 0.69 | 0.75 | 1.06 | 0.69 | 0.31 | 2.94 | 1.69 |
| 5/16 | 4097516 | 1250 | 0.39 | 1.63 | 0.81 | 1.00 | 1.25 | 0.81 | 0.38 | 3.56 | 2.06 |
| 3/8 | 4097038 | 2250 | 0.71 | 2.00 | 0.94 | 1.25 | 1.50 | 1.00 | 0.50 | 4.31 | 2.50 |
| 1/2 | 4097012 | 3600 | 1.32 | 2.50 | 1.31 | 1.50 | 2.00 | 1.31 | 0.38 | 5.44 | 3.19 |
| 5/8 | 4097058 | 5200 | 2.49 | 3.00 | 1.56 | 1.75 | 2.38 | 1.50 | 0.75 | 6.56 | 3.88 |
| 3/4 | 4097034 | 7200 | 4.02 | 3.50 | 1.79 | 2.00 | 2.63 | 1.88 | 0.88 | 7.19 | 4.31 |
| 7/8 | 4097078 | 10000 | 6.25 | 4.00 | 2.06 | 2.25 | 3.06 | 2.13 | 1.00 | 8.38 | 5.00 |
| 1 | 4097100 | 12500 | 8.95 | 4.50 | 2.31 | 2.50 | 3.50 | 2.38 | 1.13 | 9.63 | 5.75 |
| 1-1/4 | 4097114 | 18000 | 16.37 | 5.63 | 2.69 | 3.13 | 3.69 | 3.00 | 1.50 | 11.44 | 6.75 |
| 1-1/2 | 4097112 | 45200 | 45.79 | 7.09 | 3.88 | 4.09 | 3.88 | 3.75 | 2.25 | 16.69 | 9.91 |

## G403 JAW SWIVEL G403 羊角旋转环

| Size | Stock No. | Working Load Limit (lbs.)* | Weight Each (lbs.) | Dimensions(in.) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | G | J | K | L | M | N | P | R | U | V |
| 1/4 | 4098014 | 850 | 0.21 | 1.25 | 0.69 | 0.75 | 0.69 | 0.69 | 0.47 | 1.03 | 0.31 | 0.88 | 0.25 | 2.63 | 1.69 | 1.69 |
| 5/16 | 4098516 | 1250 | 0.34 | 1.63 | 0.81 | 1.00 | 0.81 | 0.81 | 0.50 | 1.13 | 0.38 | 0.88 | 0.31 | 2.94 | 2.06 | 1.81 |
| 3/8 | 4098038 | 2250 | 0.66 | 2.00 | 0.94 | 1.25 | 1.00 | 1.00 | 0.63 | 1.41 | 0.50 | 1.06 | 0.38 | 3.63 | 2.50 | 2.25 |
| 1/2 | 4098012 | 3600 | 1.34 | 2.50 | 1.31 | 1.50 | 1.31 | 1.31 | 0.75 | 1.75 | 0.63 | 1.31 | 0.50 | 4.50 | 3.19 | 2.88 |
| 5/8 | 4098058 | 5200 | 2.48 | 3.00 | 1.56 | 1.75 | 1.63 | 1.50 | 0.94 | 2.06 | 0.75 | 1.50 | 0.63 | 5.31 | 3.88 | 3.44 |
| 3/4 | 4098034 | 7200 | 3.88 | 3.50 | 1.75 | 2.00 | 1.88 | 1.88 | 1.13 | 2.53 | 0.88 | 1.75 | 0.75 | 6.06 | 4.31 | 4.00 |
| 7/8 | 4098078 | 10000 | 5.87 | 4.00 | 2.06 | 2.25 | 2.13 | 2.13 | 1.34 | 2.79 | 1.00 | 2.06 | 0.88 | 7.00 | 5.00 | 4.53 |
| 1 | 4098100 | 12500 | 9.84 | 4.50 | 2.31 | 2.50 | 2.63 | 2.88 | 1.75 | 3.72 | 1.13 | 2.81 | 1.13 | 8.56 | 5.75 | 5.94 |
| 1-1/4 | 4098114 | 18000 | 15.75 | 5.69 | 2.69 | 3.13 | 3.13 | 3.00 | 2.06 | 4.31 | 1.63 | 2.81 | 1.38 | 9.75 | 7.06 | 6.38 |
| 1-1/2 | 4098112 | 45200 | 54.75 | 7.00 | 3.88 | 4.00 | 5.63 | 4.00 | 2.88 | 6.00 | 2.25 | 4.44 | 2.25 | 14.25 | 10.00 | 10.84 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： 3/4



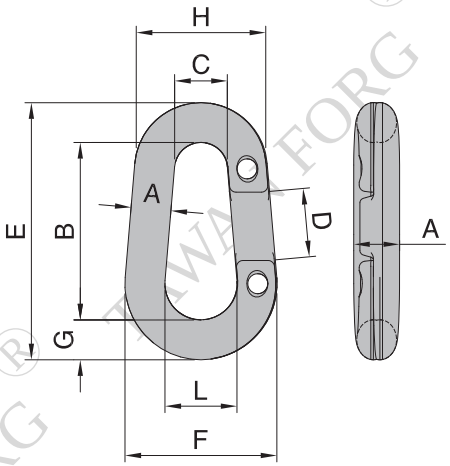


**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-099




## PEAR SHAPE "MISSING LINK" REPLACEMENT LINKS 梨形连接环

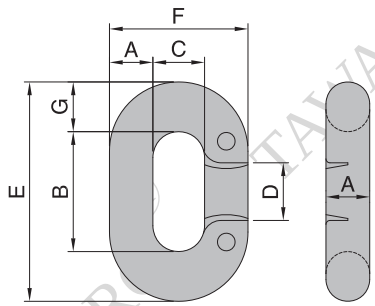
| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (kg) | Dimensions (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G | H | L |
| 3/8 | 4099038 | 1850 | 25 | 0.41 | 2.00 | 0.56 | 0.81 | 2.94 | 1.63 | 0.47 | 1.38 | 0.81 |
| 1/2 | 4099012 | 3300 | 50 | 0.50 | 2.50 | 0.69 | 1.00 | 3.63 | 2.00 | 0.56 | 1.69 | 1.00 |
| 5/8 | 4099058 | 5000 | 75 | 0.63 | 2.75 | 0.81 | 1.06 | 4.00 | 2.38 | 0.63 | 2.06 | 1.13 |
| 3/4 | 4099034 | 7100 | 125 | 0.75 | 3.13 | 1.00 | 1.13 | 4.75 | 2.75 | 0.81 | 2.50 | 1.25 |
| 7/8 | 4099078 | 9600 | 200 | 0.88 | 3.69 | 1.25 | 1.38 | 5.56 | 3.25 | 0.94 | 3.00 | 1.50 |

*Ultimate Load is 4 times the Working Load Limit.Not Suitable for use with Grade 80 or Grade 100 chain and chain sling used in overhead lifting.

Regular Mark 常规标记： 7/8



TAWAN-100




## OVAL-SHAPE "MISSING LINK" REPLACEMENT LINKS 椭圆形连接环

| Chain Size (in.) | Stock No. | Working Load Limit (lbs.)* | Weight Each (kg) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | F | G |
| 3/16 | 4100316 | 800 | 2.5 | 0.25 | 0.69 | 0.34 | 0.34 | 1.19 | 0.78 | 0.28 |
| 1/4 | 4100014 | 1325 | 6.25 | 0.28 | 0.88 | 0.44 | 0.44 | 1.50 | 1.00 | 0.31 |
| 5/16 | 4100516 | 1950 | 12.5 | 0.34 | 0.94 | 0.47 | 0.47 | 1.69 | 1.16 | 0.38 |
| 3/8 | 4100038 | 2750 | 20.0 | 0.41 | 1.13 | 0.56 | 0.56 | 2.06 | 1.38 | 0.47 |
| 7/16 | 4100716 | 3625 | 27.5 | 0.47 | 1.28 | 0.59 | 0.59 | 2.34 | 1.53 | 0.53 |
| 1/2 | 4100012 | 4750 | 37.5 | 0.53 | 1.47 | 0.66 | 0.66 | 2.66 | 1.72 | 0.59 |
| 5/8 | 4100058 | 7250 | 72.5 | 0.66 | 1.81 | 0.78 | 0.81 | 3.31 | 2.09 | 0.75 |
| 3/4 | 4100034 | 10250 | 122.5 | 0.78 | 2.13 | 0.94 | 1.06 | 3.88 | 2.50 | 0.88 |
| 7/8 | 4100078 | 12000 | 175.0 | 0.91 | 2.50 | 1.13 | 1.13 | 4.50 | 2.94 | 1.00 |
| 1 | 4100100 | 15500 | 250.0 | 1.03 | 2.75 | 1.25 | 1.25 | 5.00 | 3.31 | 1.13 |

*Ultimate Load is 4 times the Working Load Limit. Not Suitable for use with Grade 80 or Grade 100 chain and chain sling used in overhead lifting

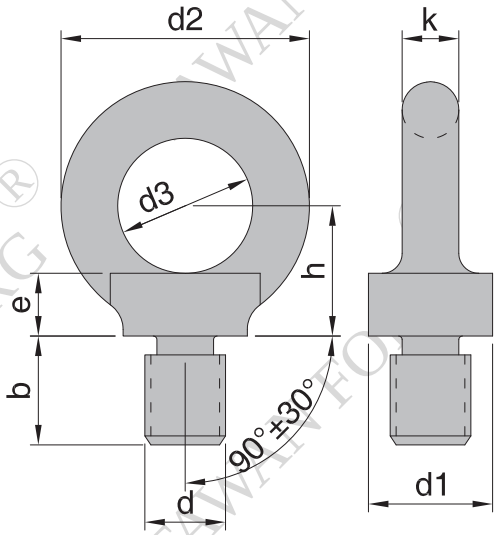
Regular Mark 常规标记： 1/2

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**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用




TAWAN-101




## EYE BOLT DIN580 德标 580 吊环

| Size (d) | Stock No. | Working Load Limit (t) | Weight Per 100 (kg) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | d1 | d2 | d3 | b | e | h | k |
| M6 | 4101006 | 0.08 | 5 | 20 | 36 | 20 | 13 | 6 | 18 | 8 |
| M8 | 4101008 | 0.14 | 6 | 20 | 36 | 20 | 13 | 6 | 18 | 8 |
| M10 | 4101010 | 0.23 | 11 | 25 | 45 | 25 | 17 | 8 | 22.5 | 10 |
| M12 | 4101012 | 0.34 | 18 | 30 | 54 | 30 | 20.5 | 10 | 26 | 12 |
| M14 | 4101014 | 0.49 | 28 | 35 | 63 | 35 | 27 | 12 | 30.5 | 14 |
| M16 | 4101016 | 0.7 | 28 | 35 | 63 | 35 | 27 | 12 | 30.5 | 14 |
| M18 | 4101018 | 0.93 | 45 | 40 | 72 | 40 | 30 | 14 | 35 | 16 |
| M20 | 4101020 | 1.2 | 45 | 40 | 72 | 40 | 30 | 14 | 35 | 16 |
| M22 | 4101022 | 1.5 | 67 | 45 | 81 | 45 | 35 | 16 | 40 | 18 |
| M24 | 4101024 | 1.8 | 87 | 50 | 90 | 50 | 36 | 18 | 45 | 20 |
| M27 | 4101027 | 2.5 | 88 | 50 | 90 | 50 | 36 | 18 | 45 | 20 |
| M30 | 4101030 | 3.6 | 166 | 65 | 108 | 60 | 45 | 22 | 55 | 24 |
| M33 | 4101033 | 4.3 | 172 | 65 | 108 | 60 | 45 | 22 | 55 | 24 |
| M36 | 4101036 | 5.1 | 265 | 75 | 126 | 70 | 54 | 26 | 65 | 28 |
| M39 | 4101039 | 6.1 | 280 | 75 | 126 | 70 | 54 | 26 | 65 | 28 |
| M42 | 4101039 | 7.0 | 403 | 85 | 144 | 80 | 63 | 30 | 75 | 32 |
| M45 | 4101045 | 8.0 | 425 | 85 | 144 | 80 | 63 | 30 | 75 | 32 |
| M48 | 4101048 | 8.6 | 638 | 100 | 166 | 90 | 68 | 35 | 85 | 38 |
| M52 | 4101052 | 9.9 | 660 | 100 | 166 | 90 | 68 | 35 | 85 | 38 |
| M56 | 4101056 | 11.5 | 880 | 110 | 184 | 100 | 78 | 38 | 95 | 42 |
| M64 | 4101064 | 16.0 | 1240 | 120 | 206 | 110 | 90 | 42 | 105 | 48 |
| M72 | 4101072 | 20 | 23300 | 150 | 260 | 140 | 100 | 50 | 130 | 60 |
| M80 | 4101080 | 28 | 34200 | 170 | 296 | 160 | 112 | 55 | 150 | 68 |
| M100 | 4101100 | 40 | 49100 | 190 | 330 | 180 | 130 | 60 | 165 | 75 |

*Ultimate Load is 4 times the Working Load Limit.

Regular Mark 常规标记： M30 CE



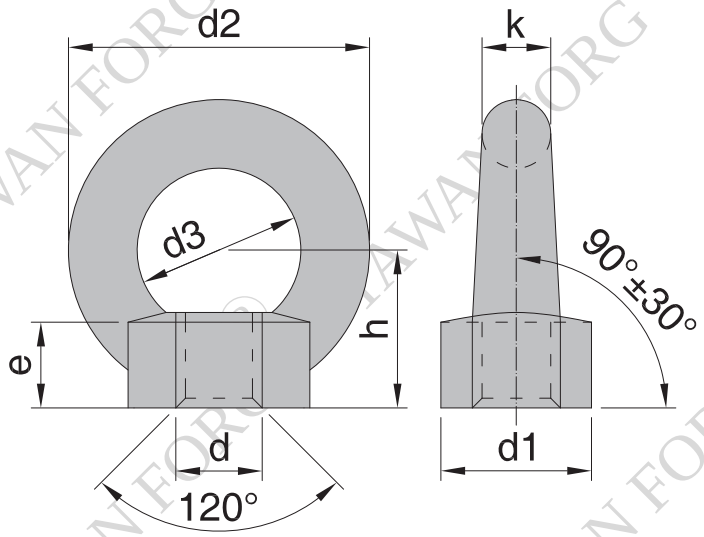


**WARNING 警告** Never exceed Working Load Limit 绝对不能超过工作拉力使用

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TAWAN-102




## EYE NUT DIN582 德标 582 螺母

| Size (d) | Stock No. | Working Load Limit (t)* | Weight Per 100 (kg) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | d1 | d2 | d3 | e | h | k |
| M6 | 4102006 | 0.08 | 4.5 | 20 | 36 | 20 | 8.5 | 18 | 8 |
| M8 | 4102008 | 0.14 | 5 | 20 | 36 | 20 | 8.5 | 18 | 8 |
| M10 | 4102010 | 0.23 | 9 | 25 | 45 | 25 | 10 | 22.5 | 10 |
| M12 | 4102012 | 0.34 | 16 | 30 | 54 | 30 | 11 | 26 | 12 |
| M14 | 4102014 | 0.49 | 24 | 35 | 63 | 35 | 13 | 30.5 | 14 |
| M16 | 4102016 | 0.7 | 24 | 35 | 63 | 35 | 13 | 30.5 | 14 |
| M18 | 4102018 | 0.93 | 36 | 40 | 72 | 40 | 16 | 35 | 16 |
| M20 | 4102020 | 1.2 | 36 | 40 | 72 | 40 | 16 | 35 | 16 |
| M22 | 4102022 | 1.5 | 38 | 45 | 81 | 45 | 18 | 40 | 18 |
| M24 | 4102024 | 1.8 | 72 | 50 | 90 | 50 | 20 | 45 | 20 |
| M27 | 4102027 | 2.5 | 70 | 50 | 90 | 50 | 20 | 45 | 20 |
| M30 | 4102030 | 3.6 | 132 | 65 | 108 | 60 | 25 | 55 | 24 |
| M33 | 4102033 | 4.3 | 130 | 65 | 108 | 60 | 25 | 55 | 24 |
| M36 | 4102036 | 5.1 | 208 | 75 | 126 | 70 | 30 | 65 | 28 |
| M39 | 4102039 | 6.1 | 202 | 75 | 126 | 70 | 30 | 65 | 28 |
| M42 | 4102042 | 7 | 311 | 85 | 144 | 80 | 35 | 75 | 32 |
| M45 | 4102045 | 8 | 304 | 85 | 144 | 80 | 35 | 75 | 32 |
| M48 | 4102048 | 8.6 | 502 | 100 | 166 | 90 | 40 | 85 | 38 |
| M52 | 4102052 | 9.9 | 495 | 100 | 166 | 90 | 40 | 85 | 38 |
| M56 | 4102056 | 11.5 | 669 | 110 | 184 | 100 | 45 | 95 | 42 |
| M64 | 4102064 | 16 | 930 | 120 | 206 | 110 | 50 | 105 | 48 |
| M72 | 4102072 | 20 | 1850 | 150 | 260 | 140 | 60 | 130 | 60 |
| M80 | 4102080 | 28 | 2730 | 170 | 296 | 160 | 70 | 150 | 68 |
| M100 | 4102100 | 40 | 3640 | 190 | 330 | 180 | 80 | 165 | 75 |

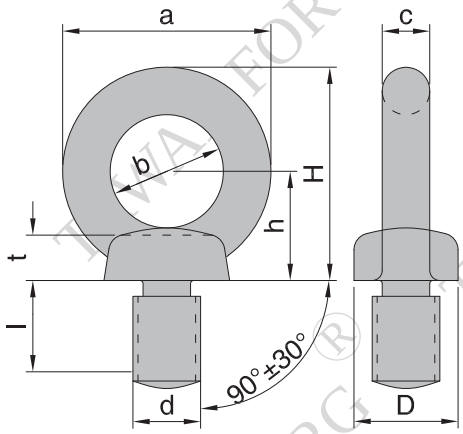


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TAWAN-103

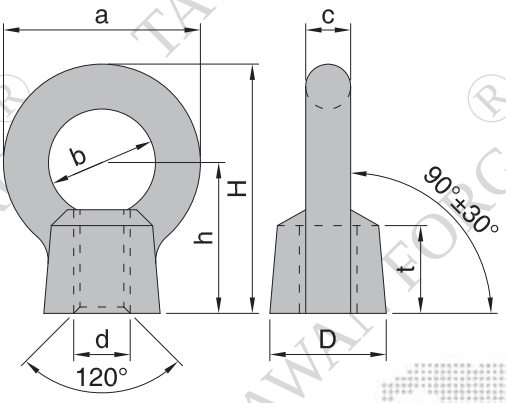



## EYE BOLT JIS B 1168 日标 1168 吊环

| Size (d) | Stock No. | Working Load Limit (t) | Weight Each (kg) | Dimensions (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d | t | h | H | t |
| M8 | 4103008 | 0.785 | 0.03 | 32.6 | 20 | 6.3 | 16 | 5 | 17 | 33.3 | 15 |
| M10 | 4103010 | 1.47 | 0.06 | 41 | 25 | 8 | 20 | 7 | 21 | 41.5 | 18 |
| M12 | 4103012 | 2.16 | 0.12 | 50 | 30 | 10 | 25 | 9 | 26 | 51 | 22 |
| M16 | 4103016 | 4.41 | 0.22 | 60 | 35 | 12.5 | 30 | 11 | 30 | 60 | 27 |
| M20 | 4103020 | 6.18 | 0.4 | 72 | 40 | 16 | 30 | 13 | 35 | 71 | 30 |
| M24 | 4103024 | 9.32 | 0.8 | 90 | 50 | 20 | 45 | 18 | 45 | 90 | 38 |
| M30 | 4103030 | 14.7 | 1.54 | 110 | 60 | 25 | 60 | 22 | 55 | 110 | 45 |
| M36 | 4103036 | 22.6 | 2.83 | 133 | 70 | 31.5 | 70 | 26 | 65 | 131.5 | 55 |



TAWAN-104




## EYE NUT JIS B 1169 日标 1169 螺母

| Size (d) | Stock No. | Working Load Limit (t) | Weight Each (kg) | Dimensions (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d | t | h | H | r |
| M8 | 4104008 | 0.785 | 0.03 | 32.6 | 20 | 6.3 | 16 | 12 | 23 | 39.3 | 8 |
| M10 | 4104010 | 1.47 | 0.06 | 41 | 25 | 8 | 20 | 15 | 28 | 48.5 | 10 |
| M12 | 4104012 | 2.16 | 0.125 | 50 | 30 | 10 | 25 | 19 | 36 | 61 | 12 |
| M16 | 4104016 | 4.41 | 0.23 | 60 | 35 | 12.5 | 30 | 23 | 42 | 72 | 14 |
| M20 | 4104020 | 6.18 | 0.38 | 72 | 40 | 16 | 35 | 28 | 50 | 86 | 16 |
| M24 | 4104024 | 9.32 | 0.8 | 90 | 50 | 20 | 45 | 38 | 66 | 111 | 20 |
| M30 | 4104030 | 14.7 | 1.58 | 110 | 60 | 25 | 60 | 46 | 80 | 135 | 30 |
| M36 | 4104036 | 22.6 | 2.75 | 133 | 70 | 31.5 | 70 | 55 | 95 | 161.5 | 35 |



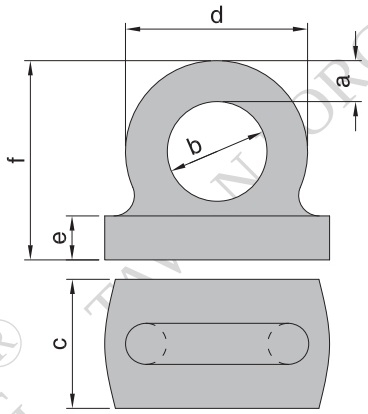
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TAWAN-105

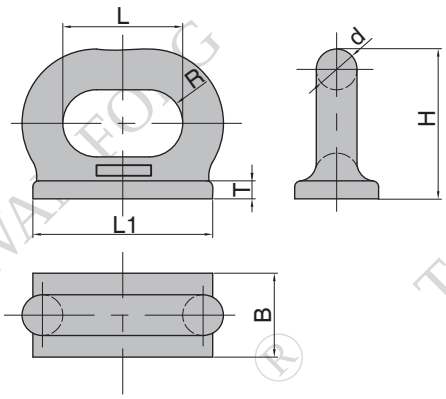



## RECTANGULAR BASE EYE PLATES 眼板带方形底座

| Diameter Size a (in.) | Stock No. | Proof Load (t) | Weight Each (kg) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d | e | f |
| 3/8 | 4105038 | 2.00 | 0.14 | 10 | 20 | 25 | 45 | 5 | 38 |
| 1/2 | 4105012 | 3.50 | 0.33 | 12 | 25 | 35 | 60 | 8 | 50 |
| 5/8 | 4105058 | 5.50 | 0.53 | 16 | 32 | 45 | 70 | 10 | 64 |
| 3/4 | 4105034 | 7.50 | 0.77 | 19 | 38 | 50 | 85 | 12 | 76 |
| 7/8 | 4105078 | 9.60 | 1.27 | 22 | 42 | 60 | 102 | 13 | 89 |
| 1 | 4105100 | 13.00 | 2.00 | 25 | 50 | 70 | 115 | 16 | 100 |
| 1-1/8 | 4105118 | 15.75 | 2.90 | 28 | 57 | 76 | 130 | 18 | 114 |
| 1-1/4 | 4105114 | 20.00 | 3.44 | 32 | 64 | 85 | 145 | 19 | 128 |
| 1-3/8 | 4105138 | 23.63 | 5.11 | 35 | 70 | 95 | 159 | 21 | 140 |
| 1-1/2 | 4105112 | 29.00 | 6.58 | 38 | 76 | 100 | 170 | 22 | 152 |
| 1-3/4 | 4105134 | 39.00 | 9.99 | 44 | 88 | 120 | 200 | 26 | 178 |
| 2 | 4105200 | 50.00 | 14.98 | 50 | 100 | 140 | 230 | 30 | 203 |



TAWAN-106




## PAD EYES 眼板

| Size | Stock No. | Safe Working Load (kn) | Breaking Load (kn) | Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | d | T | L1 | B | H | R |
| D3.0 | 4106030 | 29.4 | 117.6 | 85 | 28 | 15 | 130 | 60 | 106 | 25 |
| D5.0 | 4106050 | 49 | 196 | 100 | 34 | 15 | 150 | 70 | 125 | 28 |
| D7.5 | 4106075 | 73.5 | 294 | 115 | 42 | 20 | 180 | 100 | 147 | 30 |
| D10.0 | 4106100 | 98 | 392 | 135 | 50 | 20 | 210 | 120 | 162 | 32 |



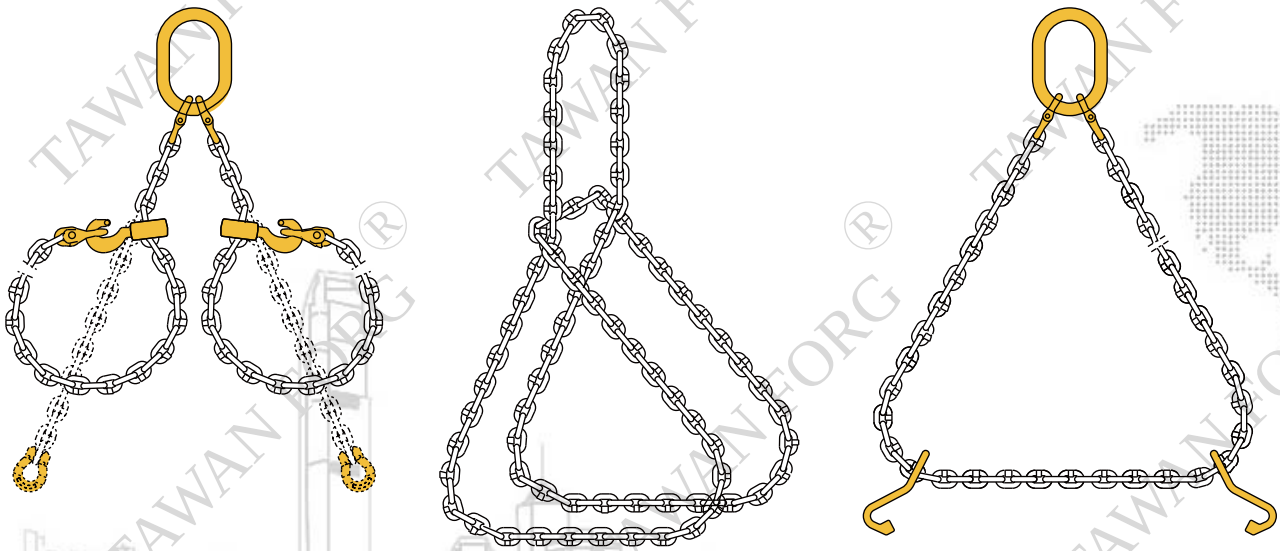
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# EXAMPLE OF CHAIN SLINGS 链式吊索举例











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# EXAMPLE OF WIRE ROPE SLING & WEB SLING
# 绳缆式吊具与网式吊索举例





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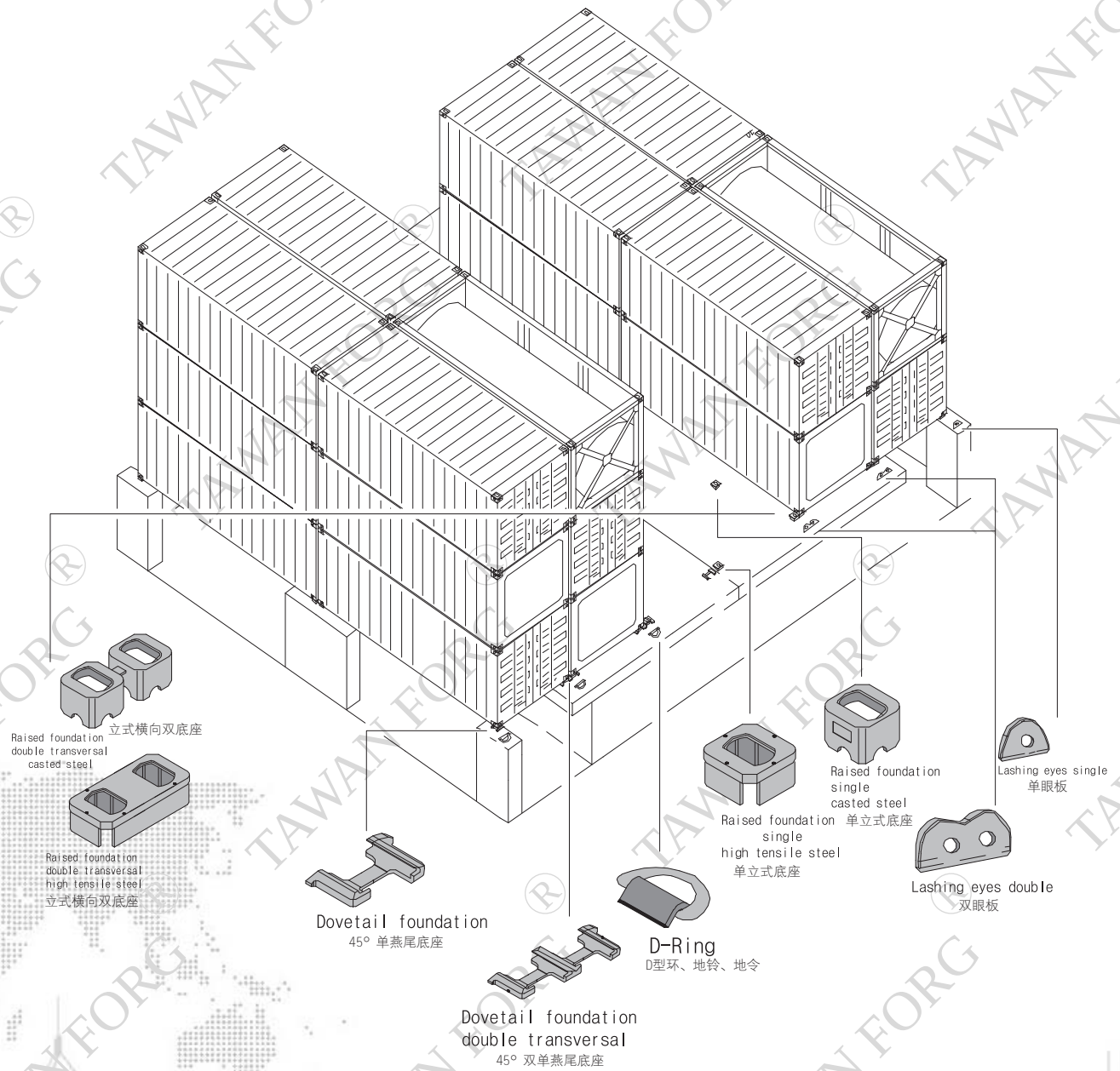
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# CONTAINER FIXED & LOOSE FITTINGS




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# FIXED FITTINGS ON DECK 甲板固定件

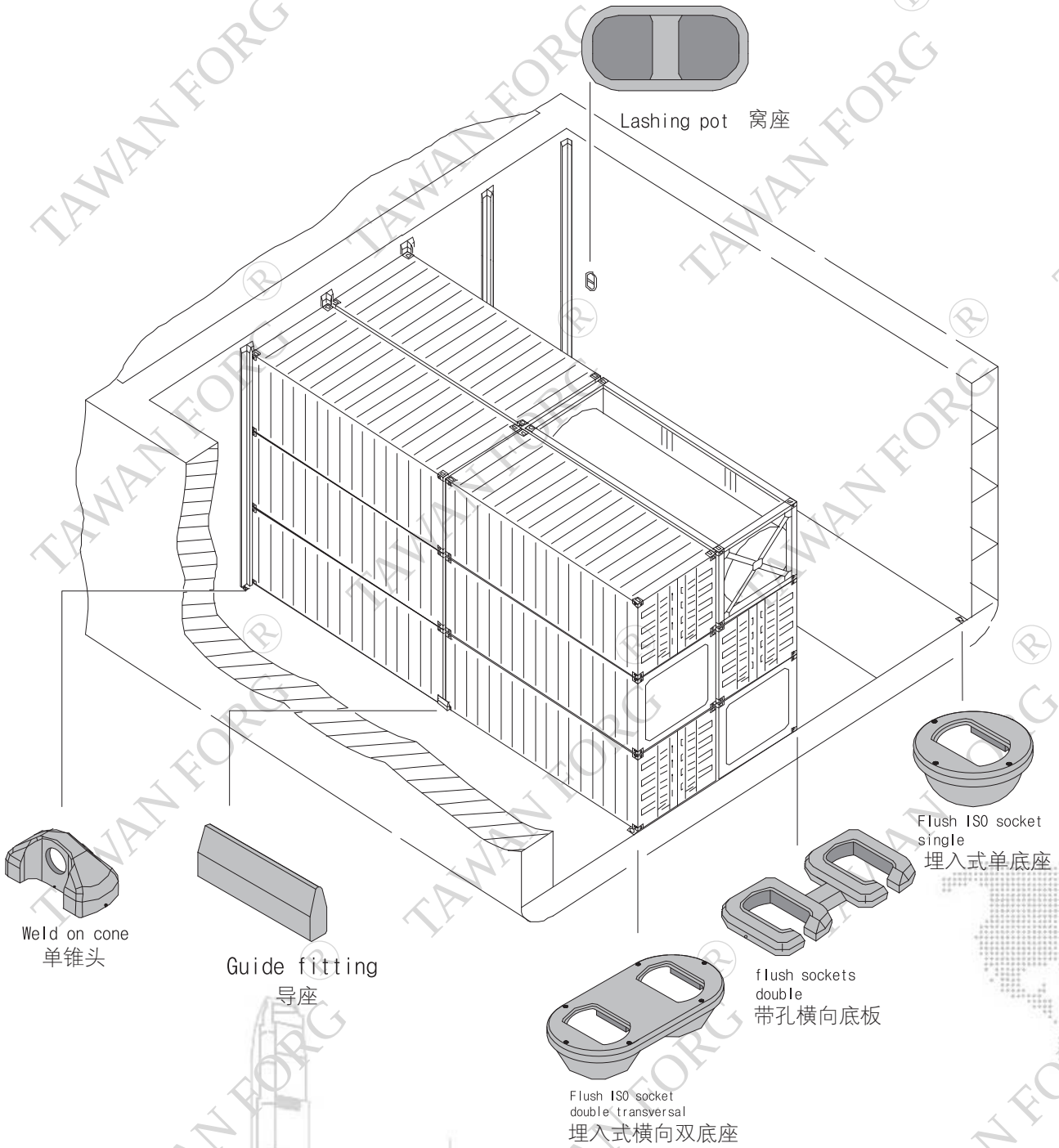





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# FIXED FITTINGS IN HOLD 舱内固定件



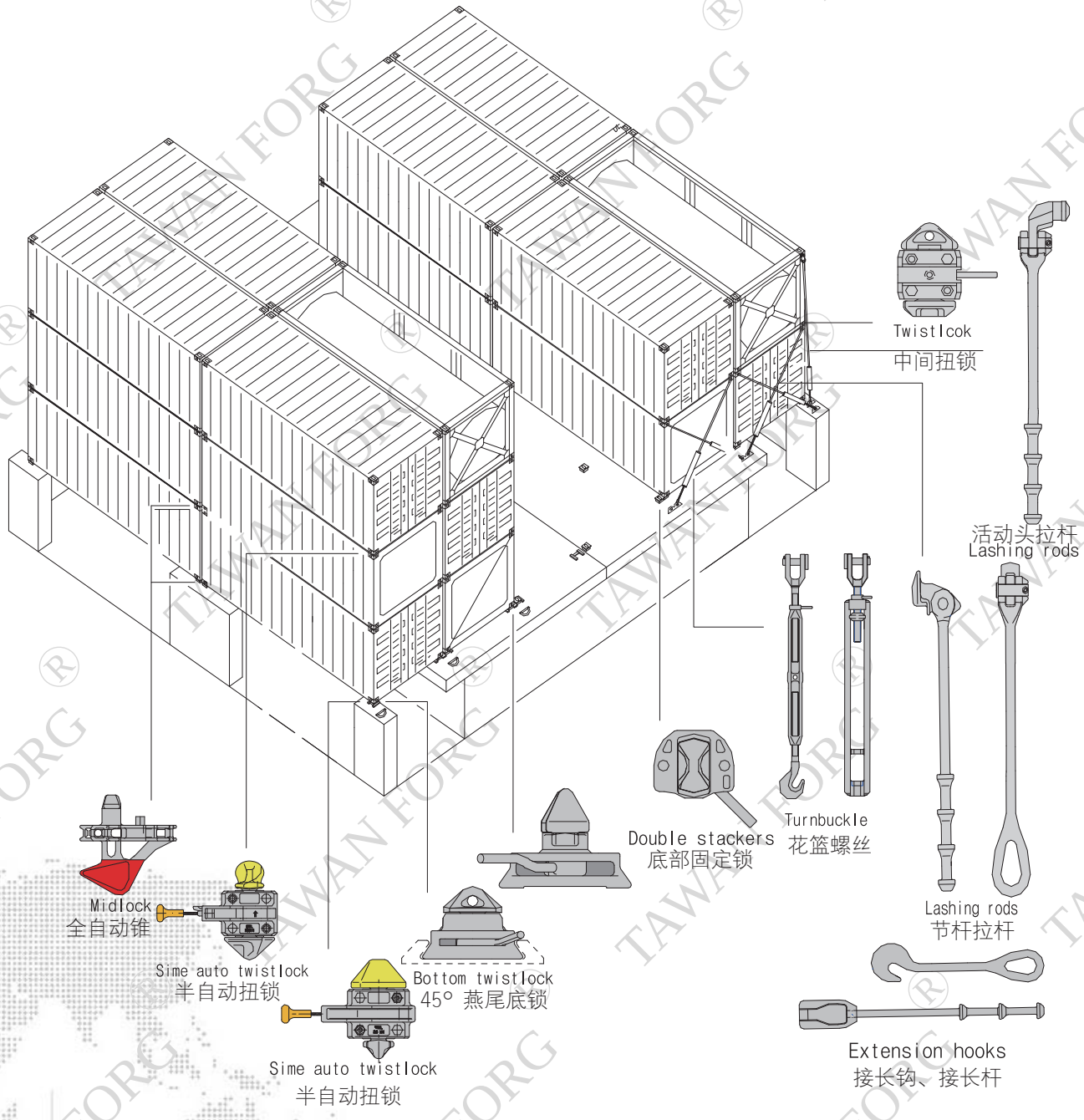





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# LOOSE FITTINGS ON DECK 甲板活动件

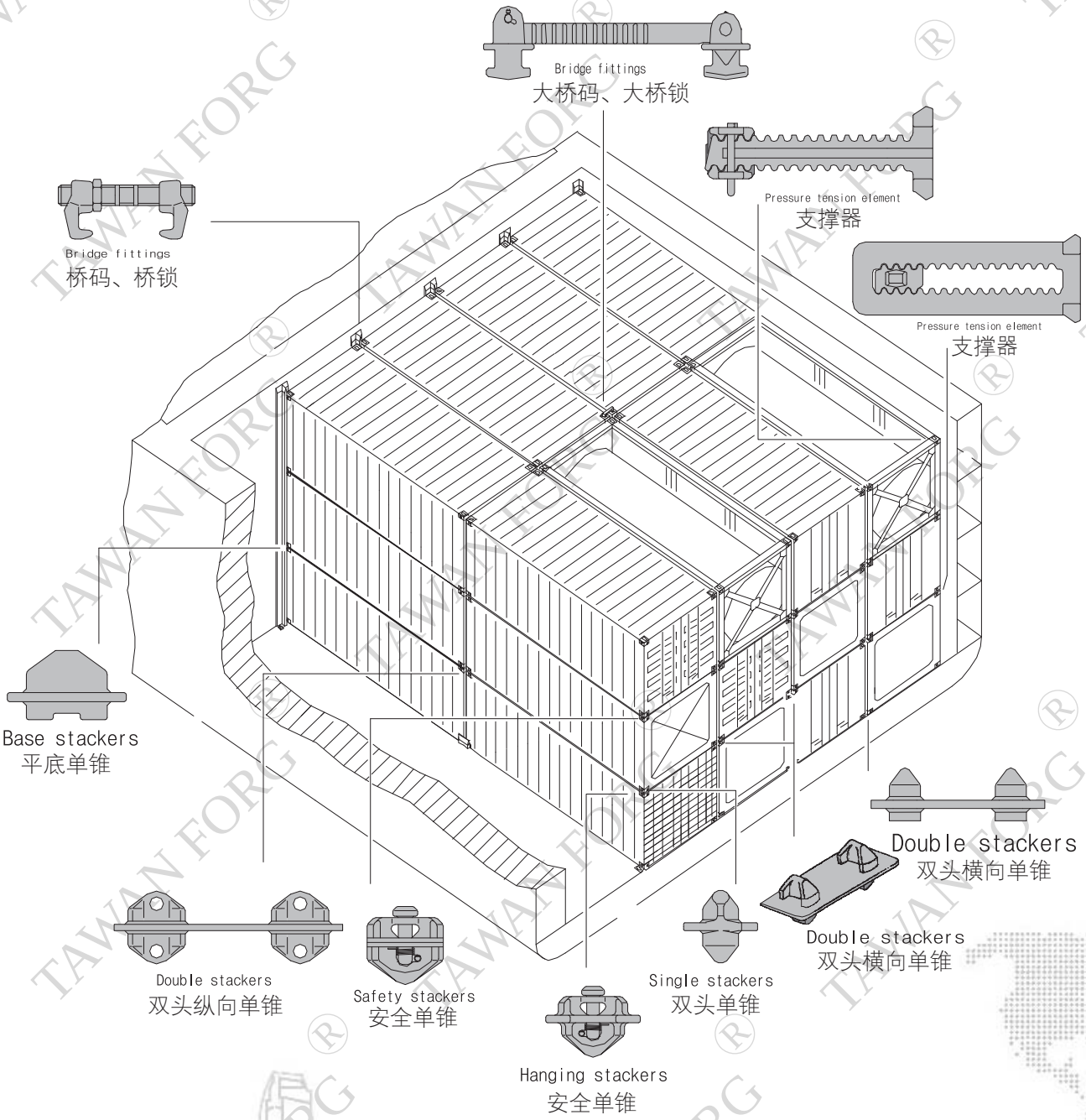





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# LOOSE FITTINGS IN HOLD 舱内活动件







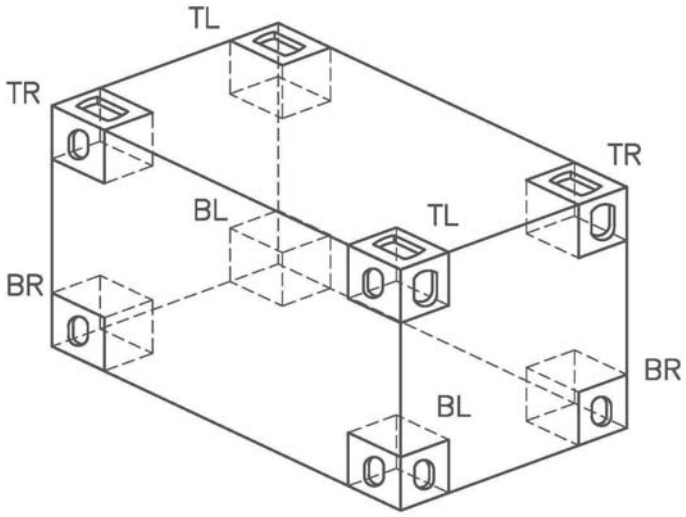

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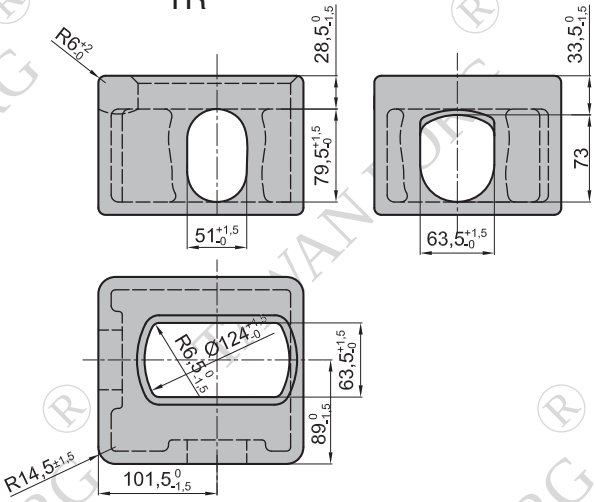
# CONTAINER CASTING CORNER FITTINGS 集装箱角件



TAWAN-107




Top corner fitting
TR



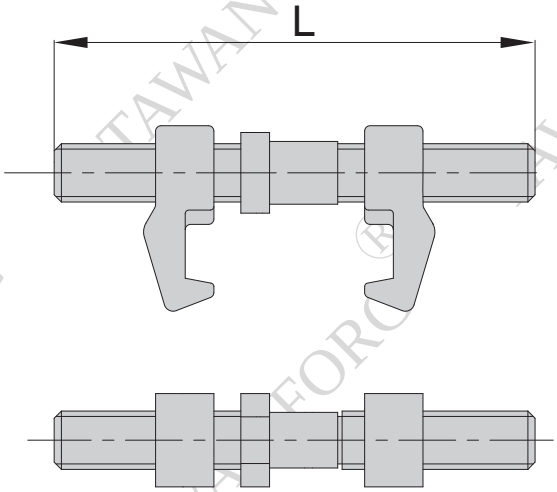



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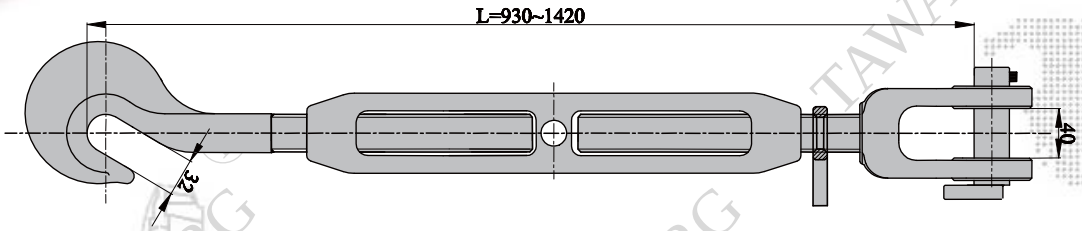

## CONTAINER BRIDGE FITTINGS 集装箱桥码

| L* (mm) | Safe Working Load (kn) | Proof Load (kn) | Breaking Load (kn) | Material | Finish | Weight (kg) |
|---|---|---|---|---|---|---|
| 280 | 50 | 63 | 100 | Shipbuilding steel/Forged steel | Galvanized | 3 |
| 380 | 50 | 63 | 100 | Shipbuilding steel/Forged steel | Galvanized | 3.8 |

*Other design, dimensions, material and finish upon request.



TAWAN-109




## TURNBUCKLES HOOK & JAW TYPE 开式花篮螺丝（钩叉型）

| Dimensions Min-Max (mm) | Safe Working Load (kn) | Proof Load (kn) | Breaking Load (kn) | Material | Finish | Weight (kg) |
|---|---|---|---|---|---|---|
| 930-1420 | 250 | 313 | 500 | Shipbuilding steel/Forged steel | Galvanized | 18 |

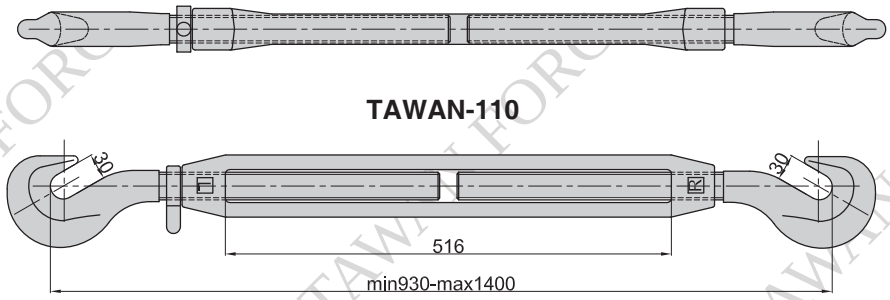
*Other design, dimensions, material and finish upon request.





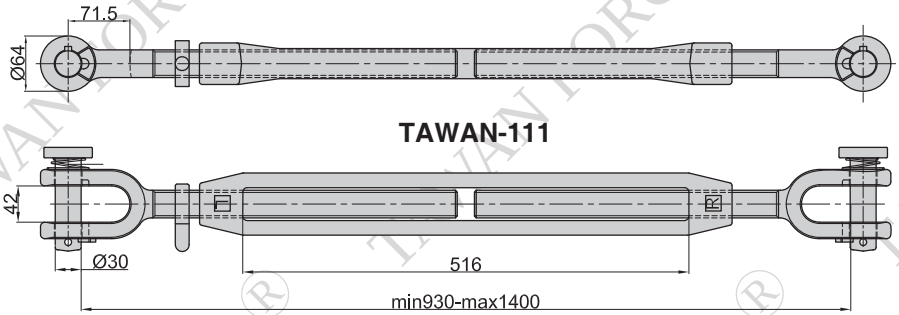
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## TURNBUCKLES HOOK & HOOK TYPE 开式花篮螺丝（钩钩型）

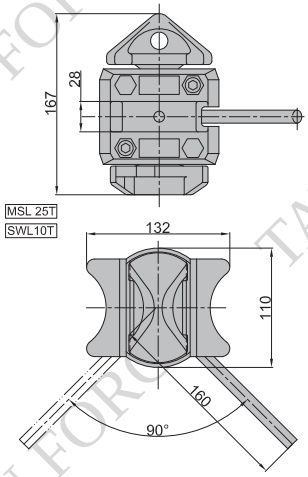



TAWAN-111

## TURNBUCKLES JAW & JAW TYPE 开式花篮螺丝（叉叉型）



TAWAN-112

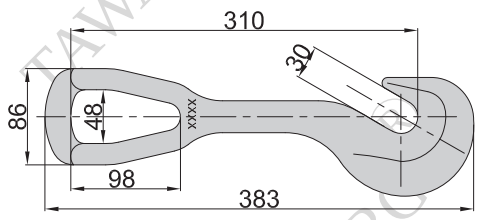


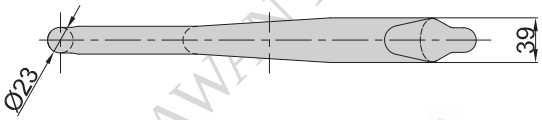

Left Type

## INTERMEDIATE TWISTLOCKS 中间扭锁



TAWAN-113



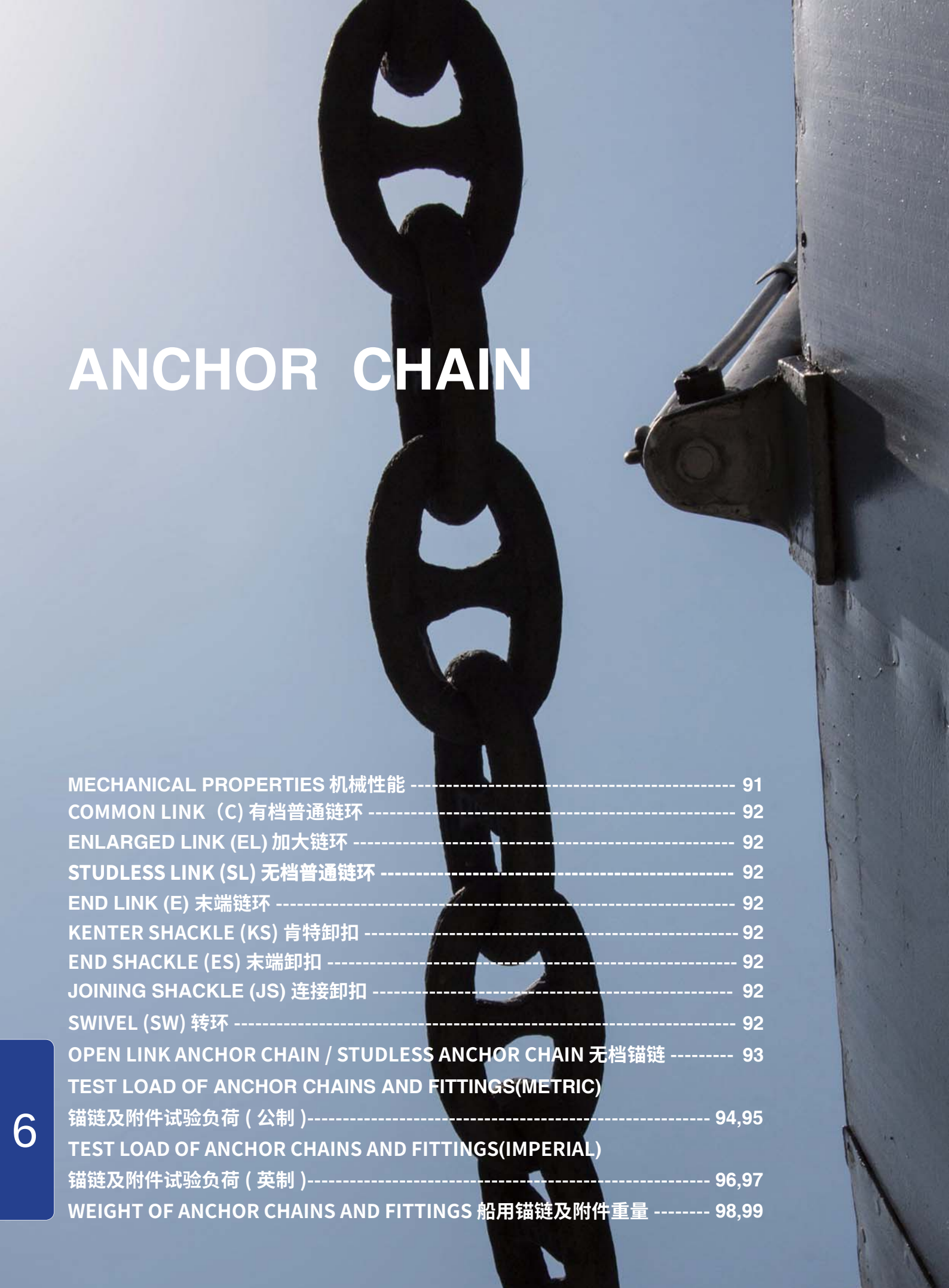




## EXTENSION ROD 接长杆

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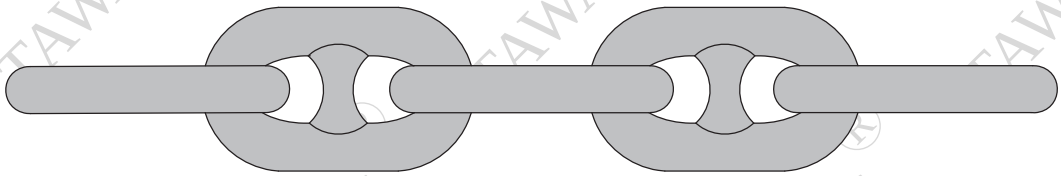
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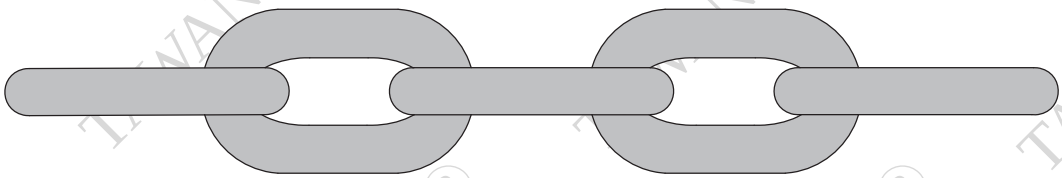
# ANCHOR CHAIN


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STUD LINK ANCHOR CHAIN 有档锚链



STUDLESS ANCHOR CHAIN 无档锚链

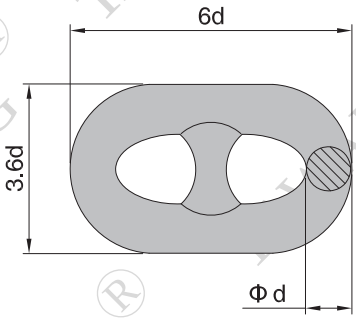
## MECHANICALPROPERTIES 机械性能

| ANCHOR CHAIN 锚链 | | | | | | |
|---|---|---|---|---|---|---|
| 级别 Grade | 屈服强度 Yield Point ($N/mm^2$, min) | 抗拉强度 Tension Stength ($N/mm^2$, min) | 延伸率 Elongation (%, min) | 断面收缩率 Reduction of Area ($N/mm^2$, min) | V 型缺口冲击试验 Impact Test （V-notch） | |
| | | | | | 试验温度 Test Temperate(C°) | 平均能量 Impact(J,min) |
| 2 | ≥295 | 400-690 | ≥22 | -- | 0 | ≥40 |
| 3 | ≥410 | ≥690 | ≥17 | ≥40 | 0 | ≥60 |
| | | | | | | ≥50( 焊接 weld) |



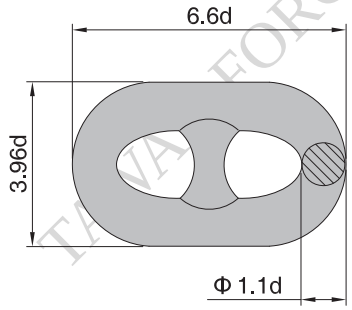
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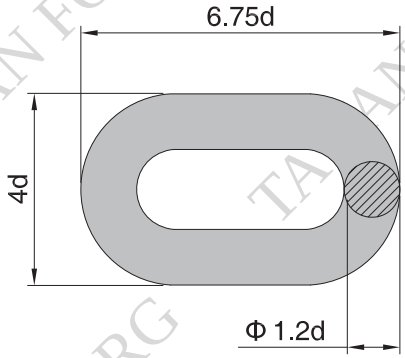

Common Link (C)

有档普通链环



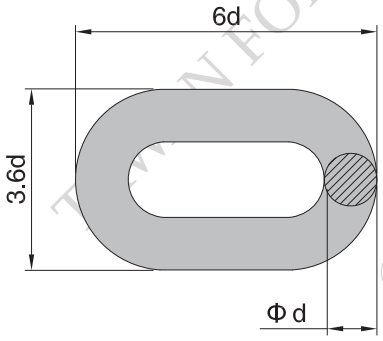

ENLARGED LINK (EL)

加大链环



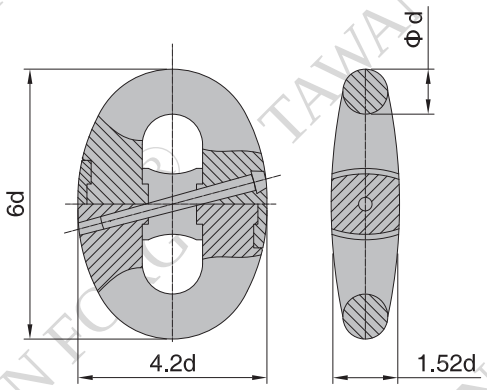

END LINK (E)

末端链环



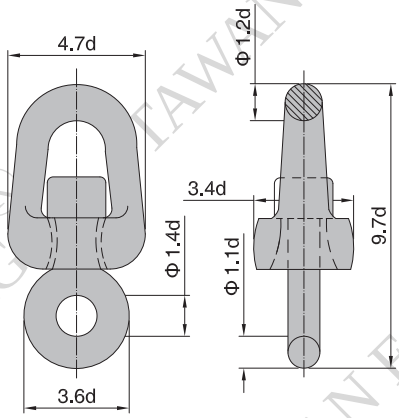

STUDLESS LINK (SL)

无档普通链环



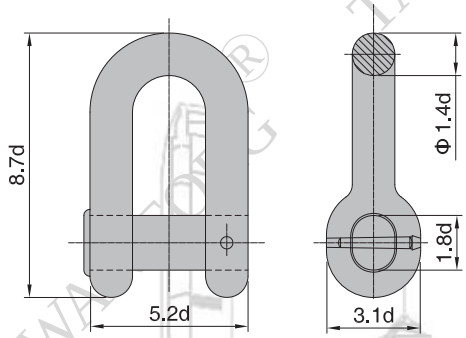

KENTER SHACKLE (KS)

肯特卸扣



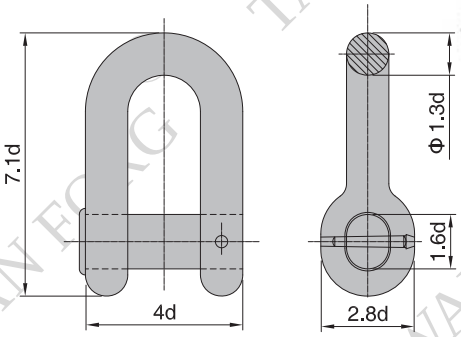

SWIVEL (SW)

转环




END SHACKLE (ES)

末端卸扣




JOINING SHACKLE (JS)

连接卸扣

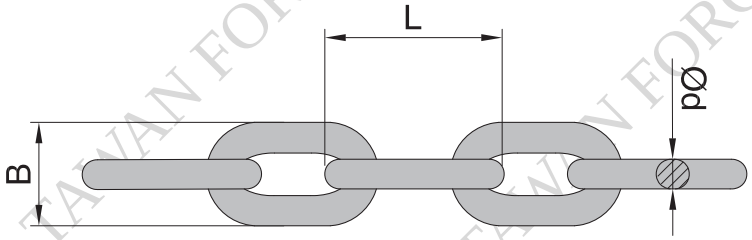




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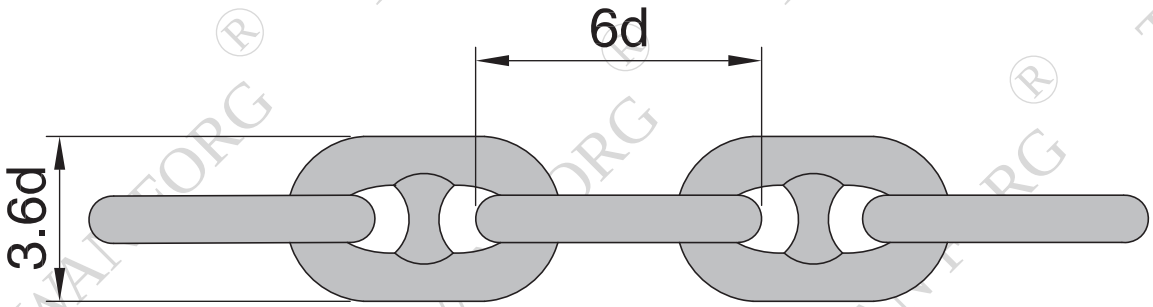

- Material: (U1:CM370; U2:CM490; U3:CM690).
  材质：锚链钢 (U1:CM370; U2:CM490; U3:CM690)。

## OPEN LINK ANCHOR CHAIN / STUDLESS ANCHOR CHAIN 无档锚链

| 无档锚链 链环尺寸 (6 × 3.6d) 试验负荷 重量<br>Open Link Anchor Chain / Studless Anchor Chain (6 × 3.6d), Test Load and Weight | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Diameter d | | Chain Link Size (mm) | | BM1 U1 Open Link Chain | | BM2 U2 Open Link Chain | | BM3 U3 Open Link Chain | | Approx Weight 27.5m |
| (mm) | (in.) | Outside Length | Outside Width | Proof Load (kn) | Breaking Load (kn) | Proof Load (kn) | Breaking Load (kn) | Proof Load (kn) | Breaking Load (kn) | |
| 16 | 5/8 | 96 | 57.6 | 47.10 | 94.72 | 66.20 | 132.30 | 92.42 | 184.83 | 139.43 |
| 17.5 | 11/16 | 105 | 63 | 56.35 | 113.31 | 78.89 | 157.78 | 110.55 | 221.10 | 178.35 |
| 19 | 3/4 | 114 | 68.4 | 66.42 | 133.57 | 93.60 | 187.20 | 130.32 | 260.64 | 217.68 |
| 20.5 | 13/16 | 123 | 73.8 | 77.33 | 155.49 | 108.64 | 217.27 | 151.70 | 303.42 | 229.14 |
| 22 | 7/8 | 132 | 79.2 | 89.06 | 179.08 | 125.40 | 250.90 | 174.40 | 349.40 | 264.49 |
| 24 | 15/16 | 144 | 86.4 | 105.98 | 213.25 | 149.90 | 298.90 | 207.90 | 415.80 | 341.82 |
| 26 | 1-1/16 | 156 | 93.6 | 124.38 | 250.12 | 175.40 | 350.80 | 244.00 | 488.00 | 369.94 |
| 28 | 1-1/8 | 168 | 100.8 | 144.26 | 290.08 | 203.80 | 406.70 | 283.00 | 566.00 | 427.04 |
| 30 | 1-3/16 | 180 | 108 | 165.60 | 333.00 | 234.20 | 467.50 | 324.00 | 649.80 | 490.98 |
| 32 | 1-1/4 | 192 | 115.2 | 188.42 | 378.88 | 265.60 | 531.20 | 369.60 | 739.30 | 559.65 |
| 34 | 1-5/16 | 204 | 122.4 | 212.70 | 427.72 | 299.90 | 599.80 | 417.30 | 834.60 | 671.52 |
| 36 | 1-7/16 | 216 | 129.6 | 238.46 | 479.52 | 336.10 | 672.30 | 467.80 | 935.70 | 707.85 |
| 38 | 1-1/2 | 228 | 136.8 | 265.70 | 534.28 | 374.40 | 748.70 | 521.30 | 1042.50 | 788.98 |
| 40 | 1-9/16 | 240 | 144 | 294.40 | 592.00 | 414.50 | 829.10 | 577.60 | 1155.20 | 869.36 |
| 42 | 1-5/8 | 252 | 151.2 | 324.58 | 652.68 | 457.70 | 915.30 | 636.80 | 1273.60 | 959.30 |
| 44 | 1-3/4 | 264 | 158.4 | 356.22 | 716.32 | 502.70 | 999.60 | 698.90 | 1398.00 | 1111.25 |
| 46 | 1-13/16 | 276 | 165.6 | 389.34 | 782.98 | 548.80 | 1097.60 | 763.90 | 1527.80 | 1152.07 |
| 48 | 1-7/8 | 288 | 172.8 | 423.94 | 852.48 | 597.80 | 1195.60 | 831.70 | 1663.50 | 1256.26 |
| 50 | 2 | 300 | 180 | 460.00 | 926.09 | 648.80 | 1293.60 | 902.50 | 1805.00 | 1360.41 |
| 52 | 2-1/16 | 312 | 187.2 | 497.54 | 1000.48 | 697.63 | 1395.26 | 976.14 | 1952.28 | 1485.61 |
| 54 | 2-1/8 | 324 | 194.4 | 536.54 | 1078.92 | 752.33 | 1504.66 | 1052.68 | 2105.36 | 1648.08 |
| 56 | 2-3/16 | 336 | 201.6 | 577.02 | 1160.32 | 809.09 | 1618.18 | 1132.10 | 2264.20 | 1715.97 |
| 58 | 2-5/16 | 348 | 208.8 | 618.98 | 1244.68 | 867.91 | 1735.82 | 1214.40 | 2428.80 | 1844.50 |
| 60 | 2-3/8 | 360 | 216 | 662.40 | 1332.00 | 928.80 | 1857.60 | 1299.60 | 2599.20 | 1973.29 |
| 62 | 2-7/16 | 372 | 223.2 | 707.30 | 1422.28 | 991.75 | 1983.50 | 1387.68 | 2775.36 | 2101.56 |
| 64 | 2-1/2 | 384 | 230.4 | 753.66 | 1515.52 | 1056.77 | 2113.54 | 1478.66 | 2957.32 | 2298.47 |
| 66 | 2-9/16 | 396 | 237.6 | 801.50 | 1611.72 | 1123.85 | 2247.70 | 1572.52 | 3145.04 | 2398.10 |
| 68 | 2-11/16 | 408 | 244.8 | 850.82 | 1710.88 | 1192.99 | 2385.98 | 1669.26 | 3338.52 | 2522.88 |
| 70 | 2-3/4 | 420 | 252 | 901.60 | 1813.00 | 1264.20 | 2528.40 | 1768.90 | 3537.80 | 2697.65 |

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## TEST LOAD OF ANCHOR CHAINS AND FITTINGS （METRIC）
## 锚链及附件试验负荷（公制）

| (Norminal) Chain Diameter (mm) | Proof Test Load (kn) | | Breaking Test Load (kn) | |
|---|---|---|---|---|
| | Grade 2 | Grade 3 | Grade 2 | Grade 3 |
| 16 | 107 | 150 | 150 | 216 |
| 17.5 | 127 | 179 | 179 | 256 |
| 19 | 150 | 211 | 211 | 301 |
| 20.5 | 175 | 244 | 244 | 349 |
| 22 | 200 | 280 | 280 | 401 |
| 24 | 237 | 332 | 332 | 476 |
| 26 | 278 | 389 | 389 | 556 |
| 28 | 321 | 449 | 449 | 642 |
| 30 | 368 | 514 | 514 | 735 |
| 32 | 417 | 583 | 583 | 833 |
| 34 | 468 | 655 | 655 | 937 |
| 36 | 523 | 732 | 732 | 1050 |
| 38 | 581 | 812 | 812 | 1160 |
| 40 | 640 | 896 | 896 | 1280 |
| 42 | 703 | 981 | 981 | 1400 |
| 44 | 769 | 1080 | 1080 | 1540 |
| 46 | 837 | 1170 | 1170 | 1680 |
| 48 | 908 | 1270 | 1270 | 1810 |
| 50 | 981 | 1370 | 1370 | 1960 |



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## TEST LOAD OF ANCHOR CHAINS AND FITTINGS
## 锚链及附件试验负荷

| (Norminal) Chain Diameter (mm) | 8000Proof Test Load (kn) | | Breaking Test Load (kn) | |
|---|---|---|---|---|
| | Grade 2 | Grade 3 | Grade 2 | Grade 3 |
| 52 | 1060 | 1480 | 1480 | 2110 |
| 54 | 1140 | 1590 | 1590 | 2270 |
| 56 | 1220 | 1710 | 1710 | 2430 |
| 58 | 1290 | 1810 | 1810 | 2600 |
| 60 | 1380 | 1940 | 1940 | 2770 |
| 62 | 1470 | 2060 | 2060 | 2940 |
| 64 | 1560 | 2190 | 2190 | 3130 |
| 66 | 1660 | 2310 | 2310 | 3300 |
| 68 | 1750 | 2450 | 2450 | 3500 |
| 70 | 1840 | 2580 | 2580 | 3690 |
| 73 | 1990 | 2790 | 2790 | 3990 |
| 76 | 2150 | 3010 | 3010 | 4300 |
| 78 | 2260 | 3160 | 3160 | 4500 |
| 81 | 2410 | 3380 | 3380 | 4820 |
| 84 | 2580 | 3610 | 3610 | 5160 |
| 87 | 2750 | 3850 | 3850 | 5500 |
| 90 | 2920 | 4090 | 4090 | 5840 |
| 92 | 3040 | 4260 | 4260 | 6080 |
| 95 | 3230 | 4510 | 4510 | 6440 |
| 97 | 3340 | 4680 | 4680 | 6690 |
| 100 | 3530 | 4940 | 4940 | 7060 |
| 102 | 3660 | 5120 | 5120 | 7320 |
| 105 | 3850 | 5390 | 5390 | 7700 |
| 107 | 3980 | 5570 | 5570 | 7960 |
| 111 | 4250 | 5940 | 5940 | 8480 |
| 114 | 4440 | 6230 | 6230 | 8890 |
| 117 | 4650 | 6510 | 6510 | 9300 |
| 120 | 4850 | 6810 | 6810 | 9720 |
| 122 | 5000 | 7000 | 7000 | 9990 |
| 124 | 5140 | 7200 | 7200 | 10280 |
| 127 | 5350 | 7490 | 7490 | 10710 |
| 130 | 5570 | 7800 | 7800 | 11140 |
| 132 | 5720 | 8000 | 8000 | 11420 |

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# TEST LOAD OF ANCHOR CHAINS AND FITTINGS （IMPERIAL）
# 锚链及附件试验负荷（英制）

| Chain Diameter (in.) | Grade 2 | | Grade 3 | |
|---|---|---|---|---|
| | Proof Load (lbs.) | Breaking Load (lbs.) | Proof Load (lbs.) | Breaking Load (lbs.) |
| 5/8 | 23700 | 33200 | 33200 | 47500 |
| 11/16 | 28600 | 40100 | 40100 | 57300 |
| 3/4 | 34000 | 47600 | 47600 | 68000 |
| 13/16 | 39800 | 55700 | 55700 | 79500 |
| 7/8 | 46000 | 64400 | 64400 | 91800 |
| 15/16 | 52600 | 73700 | 73700 | 105000 |
| 1 | 59700 | 83600 | 83600 | 119500 |
| 1-1/16 | 67200 | 94100 | 94100 | 135000 |
| 1-1/8 | 75000 | 105000 | 105000 | 150000 |
| 1-3/16 | 83400 | 116500 | 116500 | 167000 |
| 1-1/4 | 92200 | 129000 | 129000 | 184000 |
| 1-5/16 | 101500 | 142000 | 142000 | 203000 |
| 1-3/8 | 111000 | 155000 | 155000 | 222000 |
| 1-7/16 | 120500 | 169000 | 169000 | 241000 |
| 1-1/2 | 131000 | 183500 | 183500 | 262000 |
| 1-9/16 | 142000 | 198500 | 198500 | 284000 |
| 1-5/8 | 153000 | 214000 | 214000 | 306000 |
| 1-11/16 | 166500 | 229000 | 229000 | 327000 |
| 1-3/4 | 176000 | 247000 | 247000 | 352000 |
| 1-13/16 | 188500 | 264000 | 264000 | 377000 |
| 1-7/8 | 201000 | 281000 | 281000 | 402000 |
| 1-15/16 | 214000 | 299000 | 299000 | 427000 |
| 2 | 227000 | 318000 | 318000 | 454000 |
| 2-1/16 | 241000 | 337000 | 337000 | 482000 |
| 2-1/8 | 255000 | 357000 | 357000 | 510000 |
| 2-3/16 | 269000 | 377000 | 377000 | 538000 |
| 2-1/4 | 284000 | 396000 | 396000 | 570000 |
| 2-5/16 | 299000 | 418000 | 418000 | 598000 |
| 2-3/8 | 314000 | 440000 | 440000 | 628000 |
| 2-7/16 | 330000 | 462000 | 462000 | 660000 |
| 2-1/2 | 346000 | 484000 | 484000 | 692000 |





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# TEST LOAD OF ANCHOR CHAINS AND FITTINGS （IMPERIAL）
# 锚链及附件试验负荷（英制）

| Chain Diameter (in.) | Grade 2 | | Grade 3 | |
|---|---|---|---|---|
| | Proof Load (lbs.) | Breaking Load (lbs.) | Proof Load (lbs.) | Breaking Load (lbs.) |
| 2-9/16 | 363000 | 507000 | 507000 | 726000 |
| 2-5/8 | 379000 | 530000 | 530000 | 758000 |
| 2-11/16 | 396000 | 554000 | 554000 | 792000 |
| 2-3/4 | 413000 | 578000 | 578000 | 826000 |
| 2-13/16 | 431000 | 603000 | 603000 | 861000 |
| 2-7/8 | 431000 | 628000 | 628000 | 897000 |
| 2-15/16 | 467000 | 654000 | 654000 | 934000 |
| 3 | 485000 | 679000 | 679000 | 970000 |
| 3-1/16 | 504000 | 705000 | 705000 | 1008000 |
| 3-1/8 | 523000 | 732000 | 732000 | 1046000 |
| 3-3/16 | 542000 | 759000 | 759000 | 1084000 |
| 3-1/4 | 562000 | 787000 | 787000 | 1124000 |
| 3-5/16 | 582000 | 814000 | 814000 | 1163000 |
| 3-3/8 | 602000 | 843000 | 843000 | 1204000 |
| 3-7/16 | 622000 | 871000 | 871000 | 1244000 |
| 3-1/2 | 643000 | 900000 | 900000 | 1285000 |
| 3-9/16 | 664000 | 929000 | 929000 | 1327000 |
| 3-5/8 | 685000 | 958000 | 958000 | 1369000 |
| 3-3/4 | 728000 | 1019000 | 1019000 | 1455000 |
| 3-7/8 | 772000 | 1080000 | 1080000 | 1543000 |
| 3-15/16 | 794000 | 1111000 | 1111000 | 1587000 |
| 4 | 816000 | 1143000 | 1143000 | 1632000 |
| 4-1/8 | 862000 | 1207000 | 1207000 | 1724000 |
| 4-1/4 | 908000 | 1272000 | 1272000 | 1817000 |
| 4-3/8 | 956000 | 1338000 | 1338000 | 1911000 |
| 4-1/2 | 1004000 | 1405000 | 1405000 | 2008000 |
| 4-5/8 | 1053000 | 1474000 | 1474000 | 2105000 |
| 4-3/4 | 1102000 | 1543000 | 1543000 | 2204000 |
| 4-7/8 | 1153000 | 1613000 | 1613000 | 2305000 |
| 5 | 1203000 | 1685000 | 1685000 | 2407000 |
| 5-1/8 | 1255000 | 1757000 | 1757000 | 2509000 |
| 5-1/4 | 1306000 | 1829000 | 1829000 | 2613000 |



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# WEIGHT OF ANCHOR CHAINS AND FITTINGS 船用锚链及附件重量

| 链径 Chain Diameter (mm) | 有档锚链 Stud Link Chain kg/27.5m | 普环 Common Link kg/ | 加大环 Enlarged Link kg/ | 末端环 End Link kg/ | 肯特卸扣 Kenter Shackle kg/ | 连接卸扣 Joining Shackle kg/ | 末端卸扣 End Shackle kg/ | 转环 Swivel kg/ | A 型转环卸扣 Anchor Swivel Shackle kg/ | B 型转环卸扣 Anchor Swivel Shackle kg/ |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 150 | 0.35 | 0.49 | 0.57 | 0.65 | 0.95 | 1.52 | 1.34 | --- | --- |
| 17.5 | 197 | 0.50 | 0.66 | 0.67 | 0.88 | 1.34 | 2.05 | 1.73 | --- | --- |
| 19 | 236 | 0.66 | 0.85 | 1.06 | 1.13 | 1.84 | 2.41 | 2.17 | --- | --- |
| 20.5 | 268 | 0.80 | 1.02 | 1.06 | 1.36 | 2.2 | 3.25 | 2.2 | --- | --- |
| 22 | 324 | 1.04 | 1.30 | 1.58 | 1.64 | 2.66 | 3.95 | 3.5 | 21 | 7.6 |
| 24 | 370 | 1.30 | 1.65 | 2.84 | 2.13 | 3.4 | 5.12 | 4.53 | | 9.9 |
| 26 | 431 | 1.64 | 2.03 | 2.74 | 2.58 | 4.5 | 6.7 | 5.79 | 42 | 12.5 |
| 28 | 496 | 2.04 | 2.48 | 3.23 | 3.3 | 5.19 | 8.1 | 7.25 | | 15.7 |
| 30 | 563 | 2.48 | 3.58 | 3.74 | 4.15 | 6.32 | 10 | 9 | 97 | 19.4 |
| 32 | 635 | 2.98 | 4.45 | 4.74 | 5.06 | 8.24 | 11.77 | 10.03 | | 23.4 |
| 34 | 712 | 3.58 | 5.21 | 5.54 | 6.01 | 9.56 | 14.2 | 12.75 | | 28 |
| 36 | 800 | 4.45 | 2.99 | 6.95 | 6.89 | 11.31 | 16.55 | 14.96 | 116 | 33.4 |
| 38 | 888 | 5.21 | 6.15 | 7.66 | 8.4 | 13.45 | 19.55 | 17.44 | | 39.4 |
| 40 | 1033 | 2.98 | 8.01 | 8.2 | 9.63 | 15.5 | 22.8 | 20.25 | 125 | 46 |
| 42 | 1084 | 3.54 | 9.04 | 9.92 | 11 | 18.1 | 26 | 25.4 | | 53 |
| 44 | 1197 | 4.23 | 10.25 | 11.42 | 12.45 | 20.25 | 29.71 | 26.6 | | 61 |
| 46 | 1310 | 4.96 | 11.54 | 13.92 | 14.1 | 23.33 | 34.3 | 30.67 | 156 | 70 |
| 48 | 1438 | 6.04 | 14.44 | 15.67 | 16.7 | 27.5 | 38.0 | 35.0 | | 79 |
| 50 | 1546 | 6.65 | 16.06 | 17.7 | 19.0 | 31.6 | 45.2 | 40.5 | 284 | 89 |
| 52 | 1661 | 7.73 | 17.85 | 18.97 | 20.3 | 34.0 | 50.9 | 49.5 | | 101 |
| 54 | 1791 | 8.80 | 19.60 | 20.84 | 23.7 | 38.5 | 53.8 | 50.5 | 294 | 113 |
| 56 | 1926 | 10.06 | 21.69 | 23.55 | 26.7 | 46.0 | 63.0 | 55.0 | | 126 |
| 58 | 2086 | 11.28 | 24.00 | 25.95 | 27.2 | 46.8 | 70.0 | 64.6 | | 140 |
| 60 | 2249 | 12.68 | 26.00 | 28.48 | 27.7 | 51.0 | 77.5 | 71.3 | 323 | 155 |
| 62 | 2361 | 14.10 | 28.63 | 30.81 | 35 | 59.2 | 86.3 | 77.7 | | 171 |
| 64 | 2516 | 15.66 | 31.13 | 32.7 | 38.4 | 62.7 | 96.3 | 83.3 | | 188 |





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# WEIGHT OF ANCHOR CHAINS AND FITTINGS 船用锚链及附件重量

| 链径 Chain Diameter (mm) | 有档锚链 Stud Link Chain kg/27.5m | 普环 Common Link kg/ | 加大环 Enlarged Link kg/ | 末端环 End Link kg/ | 肯特卸扣 Kenter Shackle kg/ | 连接卸扣 Joining Shackle kg/ | 末端卸扣 End Shackle kg/ | 转环 Swivel kg/ | A 型转环卸扣 Anchor Swivel Shackle kg/ | B 型转环卸扣 Anchor Swivel Shackle kg/ |
|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 2676 | 25.98 | 35.00 | 38.4 | 42.3 | 75 | 99.6 | 88.7 | 458 | 206 |
| 68 | 2885 | 28.60 | 39.72 | 39.5 | 46.0 | 76.7 | 102.6 | 100.0 | | 225 |
| 70 | 3010 | 31.00 | 43.33 | 43.8 | 48.7 | 90 | 126.2 | 107.8 | 522 | 246 |
| 73 | 3274 | 35.20 | 48.30 | 49 | 53.0 | 95 | 138.2 | 125.6 | | 278 |
| 76 | 3548 | 39.90 | 53.6 | 57.1 | 60.7 | 107 | 146 | 143.8 | | 314 |
| 78 | 3737 | 43.00 | 59.9 | 62.3 | 65.5 | 116 | 164 | 154 | 815 | 340 |
| 81 | 4030 | 48.60 | 66.0 | 67.4 | 75 | 130 | 190 | 188 | | 380 |
| 84 | 4334 | 53.50 | 69.0 | 74.4 | 90 | 136 | 212 | 198 | 1007 | 424 |
| 87 | 4650 | 58.90 | 81.1 | 84.6 | 96 | 160 | 237 | 215 | | 472 |
| 90 | 4976 | 66.35 | 88.0 | 91 | 108 | 176 | 245 | 238 | | 522 |
| 92 | 5199 | 71.22 | 97.5 | 100 | 114 | 196 | 257 | 252 | 1300 | 558 |
| 95 | 5544 | 78.08 | 101 | 109 | 128 | 215 | 300 | 269 | | 614 |
| 97 | 5780 | 83.77 | 107 | 117 | 133 | 222 | 335 | 301 | | 654 |
| 100 | 6143 | 89.03 | 120 | 127 | 146 | 252 | 353 | 330 | 1610 | 717 |
| 102 | 6398 | 95.50 | 130 | 134 | 158 | 267 | 378 | 344 | | 761 |
| 105 | 6773 | 104.20 | 139 | 150 | 160 | 294 | 385 | 387 | 1827 | 830 |
| 107 | 7033 | 111.63 | 148 | 160 | 180 | 305 | 420 | 428 | | 879 |
| 111 | 7569 | 124.08 | 161 | 171 | 198 | 325 | 463 | 448 | | 980 |
| 114 | 7983 | 135.31 | 168 | 190 | 204 | 345 | 485 | 460 | 2022 | 1062 |
| 117 | 8409 | 147.53 | 177 | 209 | 225 | 365 | 528 | 475 | | 1147 |
| 120 | 8863 | 155.49 | 204 | 229 | 250 | 400 | 570 | 547 | 2336 | 1131 |
| 122 | 9143 | 166.24 | 218 | 234 | 263 | 425 | 602 | 649 | | 1199 |
| 124 | 9399 | 170.90 | 228 | 246 | 290 | 465 | 632 | 680 | 2636 | 1297 |
| 127 | 9830 | 185.47 | 244 | 269 | 312 | 499 | 679 | 729 | | 1427 |
| 130 | 10300 | 194.34 | 264 | 293 | 333 | 536 | 729 | 784 | 2960 | 1560 |
| 132 | 10620 | 208.24 | 270 | 298 | 350 | 561 | 762 | 820 | | 1662 |



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1

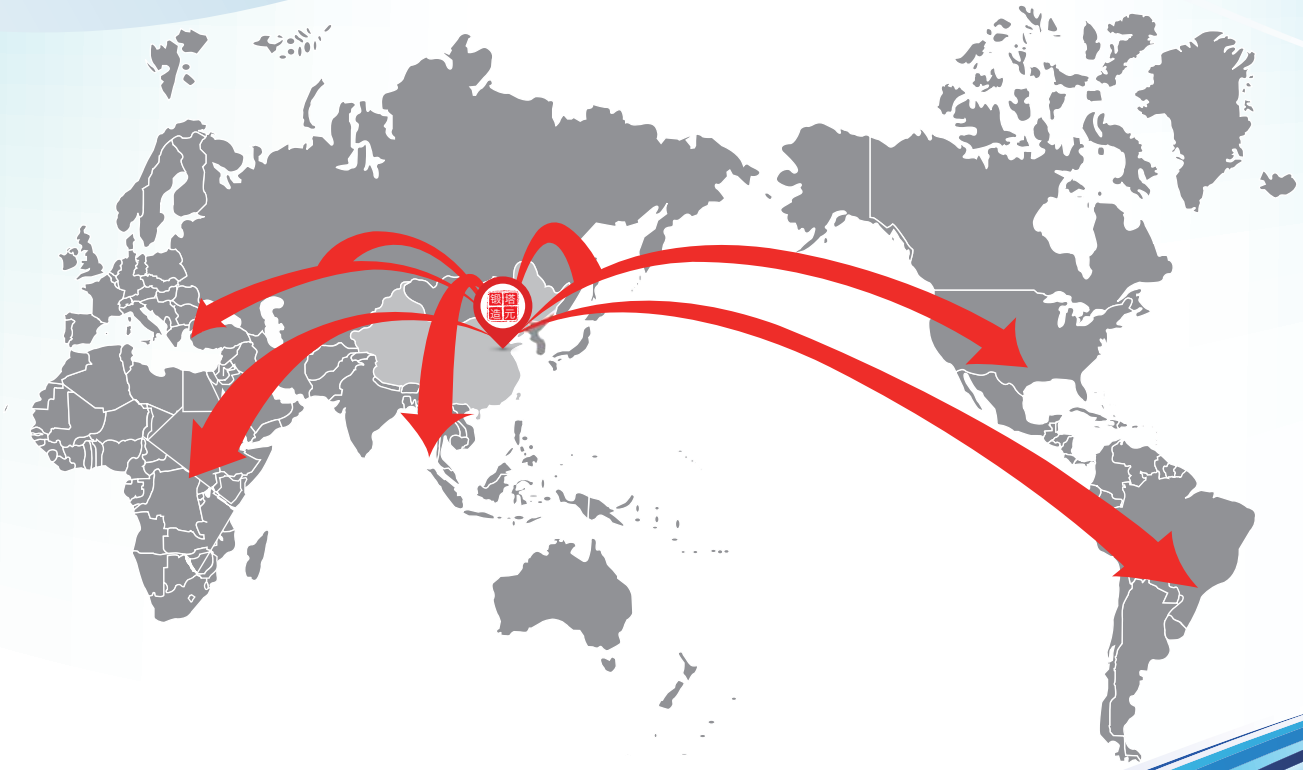
2

3

4

5

6




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