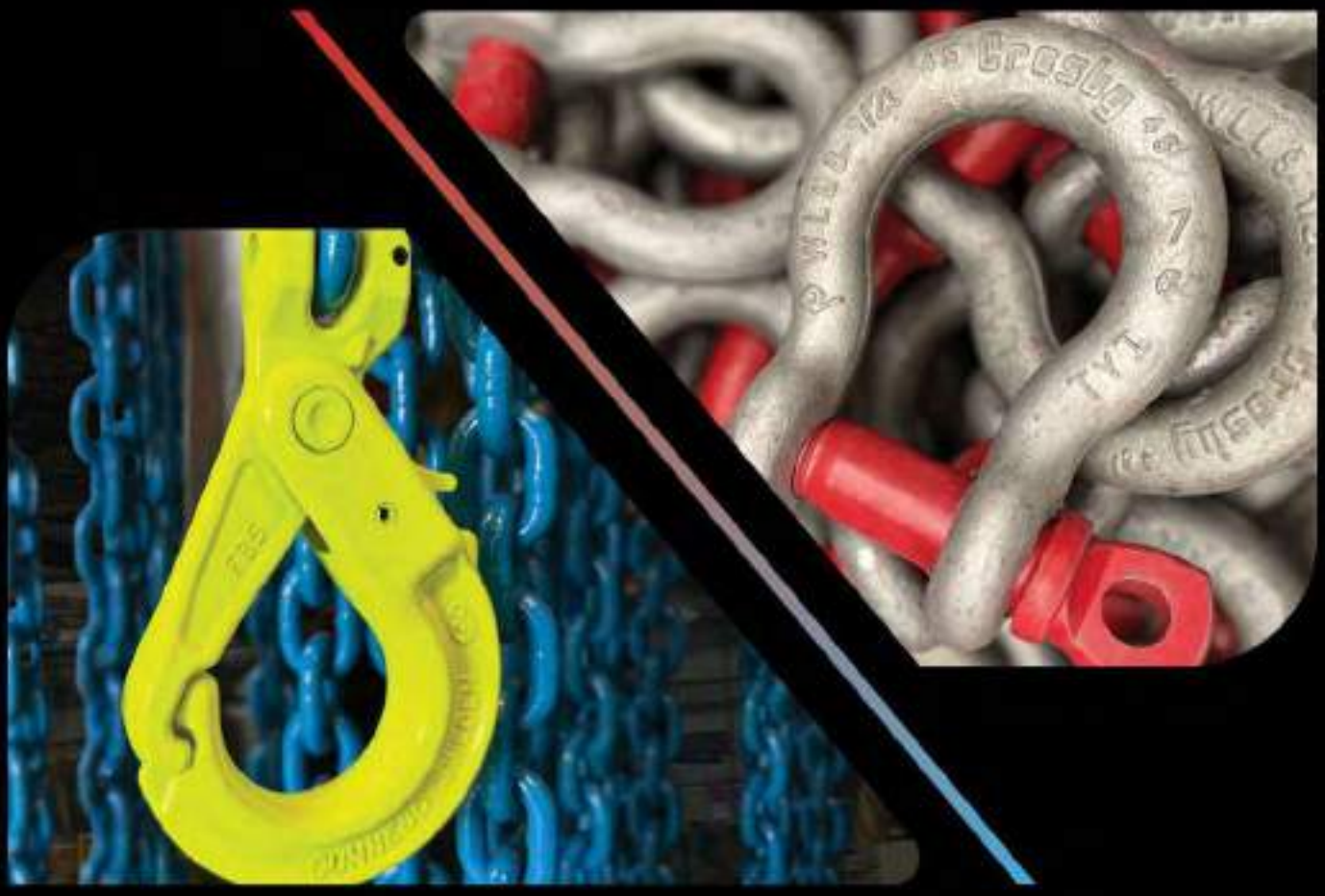


Crosby®

GUNNEBO® Industries

PRODUCT CATALOG

with application & warning information

Metric

Authorized Distributors

Crosby and Gunnebo Industries products are available worldwide through our network of authorized distributors. Contact your local distributor for product availability, service, and support, or visit **kitocrosby.com/contact** for regional Kito Crosby customer service contact information.

Limited Warranty & Limitations of Liability

"Crosby" as used in these terms related to Crosby's Limited Warranty and Limitation of Liability means: the applicable product- or service-selling entity listed in the Order Acknowledgment issued to the Purchaser. For example, the product- or service-selling entity may be THE CROSBY GROUP LLC or a different product- or service-selling entity that is an affiliate of THE CROSBY GROUP LLC, including, without limitation, Gunnebo Industries; Speedbinders; The Crosby Group UK Limited; and Straightpoint UK Ltd. If there is any question as to the identity of "Crosby" or no Order Acknowledgment is issued, then THE CROSBY GROUP LLC (upon request) will specify the identity of "Crosby" as it relates to these terms.

Purchaser and Crosby expressly agree that Crosby's warranty with respect to sale of its products is LIMITED solely to Crosby's choice of repair, replacement or refund of the purchase price of any product or part thereof determined by Crosby to be defective within the first 12 months following the transfer of title of the product from Crosby to the purchaser. Installation or operation of the product in any manner other than as recommended by Crosby, shall void the warranty. No warranty is made for components and accessories made by others when such items are warranted by their respective manufacturer. Purchaser and Crosby expressly agree that upon termination of the aforementioned 12-month period, the purchased product carries no warranty whatsoever. Purchaser and Crosby expressly agree that the remedies provided in this section are the purchaser's exclusive remedies in connection with the purchase or use of the product.

Neither Purchaser, user nor any third party shall be entitled to recover from Crosby (1) any consequential, incidental, punitive, special or indirect damages of any nature, including but not limited to, the cost of any labor expended by others in connection with the goods sold by reason of any alleged non-conformity or breach of warranty on the part of Crosby or costs of material on account thereof, (2) damages of any kind for loss of profits, revenue, data or data use, or (3) damages of any kind for business interruption whether determinable or speculative, loss of business information, goodwill, reputation or privacy, (4), for costs of procuring substitute goods, software or services, incurred by Purchaser, user or any third party, however, arising, whether in an action in contract, tort, under statute or otherwise, and whether or not the possibility or likelihood of such damages were reasonably foreseeable.

ALL OTHER WARRANTIES, INCLUDING EXPRESS WARRANTIES AND THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. ADDITIONALLY, CROSBY HEREBY DISCLAIMS ANY OF ITS OBLIGATIONS OR LIABILITIES ARISING FROM STATUTE, WARRANTY, CONTRACT, TORT OR NEGLIGENCE.

Complete Agreement: This Warranty between purchaser and Crosby is complete. All prior or contemporaneous discussions, representations and/or understandings are merged into this Warranty. All prior or contemporaneous agreements between the parties are superseded by this Warranty.

Choice of Law and Venue: If the applicable Crosby entity's principal place of business is not in Europe, then Purchaser and Crosby expressly agree that any dispute arising out of these terms and all disputes concerning or relating to the purchase, use or operation of the goods shall be governed by the laws of the State of Oklahoma, USA, excluding any conflicts-of-law rules, and any lawsuit shall be filed in Tulsa, Oklahoma, USA. If the applicable Crosby entity's principal place of business is in Europe, then Purchaser and Crosby expressly agree that any dispute arising out of these terms and all disputes concerning or relating to the purchase, use or operation of the goods shall be governed by the laws of England, excluding any conflicts-of-law rules, and any lawsuit shall be filed in London, England. If there is any question as to the location of Crosby's principal place of business, then (upon request) Crosby shall provide specify the location of Crosby's principal place of business.

SHACKLES 1
LOAD MONITORING 2
CAMERA SYSTEMS 3
HOOKS & SWIVELS 4
MASTER LINKS 5
CHAIN & ACCESSORIES 6
WIRE ROPE END FITTINGS 7
ROV 8
SYNTHETIC SLING FITTINGS 9
TURNBUCKLES 10
LIFTING POINTS 11
LIFTING CLAMPS & MAGNETS 12
LOAD SECUREMENT 13
SHEAVES 14
BLOCKS 15
ENGINEERED SOLUTIONS 16
APPLICATIONS & WARNINGS 17
INDEX INDEX

Definitions

STATIC LOAD
The load resulting from a constant applied force or load.

WORKING LOAD LIMIT
The maximum mass or force that the product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the centerline of the product. This term is used interchangeably with the following terms: WLL, Rated Load Value, Resultant Working Load.

WORKING LOAD
The maximum mass or force that the product is authorized to support in a particular service.

PROOF LOAD
The average force applied in the performance of a proof test; the average force to which a product may be subjected before deformation occurs.

PROOF TEST
A test applied to a product solely to determine injurious material or manufacturing defects.

ULTIMATE LOAD
The average load or force at which the product fails or no longer supports the load. Interchangeable with Ultimate Strength.

SHOCK LOAD
A force that results from the rapid application of a force (such as impacting or jerking) or rapid movement of a static load. A shock load significantly adds to the static load.

DESIGN FACTOR
An industry term denoting a product's theoretical reserve capacity; usually computed by dividing the ultimate load by the Working Load Limit. Generally expressed as a ratio (for example, 5:1).

COMMERCIAL SURFACE QUALITY
The surface condition of the products shown in this catalog. The surface condition associated with the normal methods of production of raw material and machined surfaces. More refined surface qualities are considered as special.

FATIGUE RATED
Tested to a minimum standard of 20,000 cycles at 1.5 times the Working Load Limit. Will meet the requirements of the Euronorm standards for fatigue.

ADJUSTED WORKING LOAD LIMIT
The reduced maximum mass or force which the product is authorized to support for specific non-standard loading applications.

SHORT TON (T)
North American unit of measure that equals 2,000 lb. Abbreviated by capital T.

METRIC TON (t)
Metric unit of measure that equals 1,000 kg. Abbreviated by lower case t.

General Cautions & Warnings

All products manufactured by Kito Crosby are sold with the express understanding that the purchaser is thoroughly familiar with the safe and proper use and application of the product.

Responsibility for the use and application of the products rests with the user. Kito Crosby disseminates products warnings and end user application information through various channels. In addition, Kito Crosby provides formal product training seminars and our engineering personnel are readily available to answer your technical questions. For more information read the Crosby General Catalog, refer to Kito Crosby's website at kitocrosby.com, or contact your Crosby distributor or Kito Crosby direct at 918-834-4611.

Failure of the product can occur due to misapplication, abuse, or improper maintenance. Product failure could allow the load to become out of control, resulting in possible property damage, personal injury or death.
There are numerous government and industry standards that cover products made by Kito Crosby. This catalog makes no attempt to reference all of them. We do reference the standards that are most frequently asked about.
Ratings shown in Crosby literature are applicable only to new or in 'as-new' condition products.

Load Limit ratings indicate the greatest force or load a product can carry under usual environmental conditions. Shock loading and extraordinary conditions must be taken into account when selecting products for use in a system.

In general, the products displayed in Crosby literature are used as parts of a system being employed to accomplish a task. Therefore, we can only recommend within the Working Load Limit (WLL), or other stated limitations, the use of products for this purpose.

The WLL, or Design Factor, or Efficiency Rating of each Crosby product may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, and other use conditions. Regular inspection must be conducted to determine whether use can be continued at the catalog assigned WLL, a reduced WLL, or whether the product must be withdrawn from service.

Crosby products are generally intended for tension or pull. Side-loading must be avoided because it exerts additional force or loading which the product is not designed to accommodate.

Welding Crosby load support parts or products can be hazardous. Knowledge of materials, heat treatment, and welding procedures are necessary for proper welding. Kito Crosby should be consulted for information. The assigned Ultimate Load Rating of Crosby products for the reeving of wire, manila, or synthetic rope is based upon design; the catalog ultimate strength for the rope parts, when totaled, may exceed the assigned Ultimate Load Rating.

The WLL of a sling must not exceed the lowest WLL of the components in the system. The recommended Proof Load on all items in this catalog is 2 times the WLL unless otherwise shown. Products that Kito Crosby intends for swaging are identified in this catalog. For proper swaging machine training, operations and die selection, refer to specific product section in this manual.

To develop other product for swaging requires knowledge of materials, heat treatment, product design, die design and performance of the final product. Use only new genuine Crosby parts as replacements when servicing or repairing Crosby products. Crosby products are to be considered as sparking, unless otherwise noted.

Two decimal and fractional dimensions shown in catalog are intended as nominal dimensions only. If three decimal dimensions are shown, contact Kito Crosby for tolerance information.

Product Label Replacement: In accordance with ANSI Z535.4, Product Safety Labels should be periodically inspected and cleaned. Product Safety Labels should be replaced when they are no longer legible. Current Crosby warning and application labels, for applicable products, are available from Kito Crosby.

Warning and application instructions for specific products are included in Section 17 of this catalog. The graphic below will appear on product pages for which this information can be found:



© 2025 Kito Crosby. All Rights Reserved.

Abbreviations

Below are common symbols that appear on product pages within this catalog:

C = Carbon
A = Alloy
B = Bronze
L = Hook supplied with latch kit

SS = Stainless steel
S or SC = Self colored, painted, or oiled
G = Coated for corrosion protection; may include hot dip galvanizing, electrolytic depositing, dimetcoted, impact galvanizing, spraying, etc.

All ratings given in tons refer to short tons of 2,000 lbs. Ratings given in metric tons equal 2,204 lbs, and are mentioned as 'tonnes' (t) or 'metric tons.' Hot-dip galvanized Crosby products meet or exceed ASTM A 153 requirements.

Symbols & Explanations

Below are common symbols that appear on product pages within this catalog:

QUIC-CHECK® is a patented concept developed by Kito Crosby's research and development department that represents our ongoing commitment to quality. QUIC-CHECK incorporates the strategic placement of marking indicators on traditional rigging hardware to indicate reference points designed to enhance the safe and proper use of Crosby products.

Load Rated® is a registered trademark that identifies products that have the Working Load Limit indicated or affixed to them.

Fatigue Rated® is a registered trademark that identifies products that have proven to provide improved fatigue life (fatigue resistance) in actual use.

Quenched & Tempered® is a registered trademark that identifies products that are heat treated utilizing our perfected quench and tempering methods.

MAXTOUGH® is a registered trademark identifying products that are statistically verified to meet or exceed impact values of 42 Joules at -20° C (31 ft•lbf at -4° F) based on a high level of confidence. The confidence level is an index of certainty.

The CE marking is an administrative marking with which the manufacturer or importer affirms its conformity with European health, safety, and environmental protection standards for products sold within the European Economic Area (EEA).

The IECEx symbol indicates a product is approved by the International Electrotechnical Commission and meets certification to standards relating to equipment for use in explosive atmospheres.

This symbol indicates Kito Crosby's Engineered Solutions department provides custom-designed variations of the product to meet your specific project requirements. Engineered Solutions designs simple variations of off-the-shelf products, as well as fully custom solutions for challenging applications.

Type Approved is a symbol that identifies products that have been type approved by a third party organization. Meeting a standard can be declared as a result of Type Approval by a third party organization. Type Approval requires:

1. A Type Approval certificate that verifies that the product design complies with the referenced standard(s) and,
2. A manufacturing survey (MSA) that verifies that the manufacturing location has been verified as capable of making the product.
3. A product certificate must be made available that verifies that the product shipped meets the requirements of the Type Approval and MSA. This product certificate must reference a serial number or PIC and is issued for each product produced.

Low Temperature Service

Crosby forged and cast steel products can be used in general service conditions down to temperatures of -40° F (-40° C). McKissick blocks can be used in general service conditions down to temperatures of -4° F (-20° C). At temperatures from 0° F to -40° F (-18° C to -40° C), good rigging practice requires special attention in the following areas.

1. Lifting should be performed at a steady rate. Shock loading should be avoided.
2. Equipment containing bearings should have increased inspection and maintenance schedule, and may require special lubrication.
3. All lifting equipment should be given a thorough visual inspection before each lift.
4. Remove nicks, gouges, or cracks by grinding (5% maximum material removal).
5. Do not use fittings that have been welded or modified after leaving the factory.
6. If determined to be necessary by the user, lifting equipment should undergo periodic inspection by dye penetrant or magnetic particle
7. surface inspection.

For operation at temperatures below -40° F (-40° C), consider 'Cold Tuff' products or contact Kito Crosby Engineering.

Elevated Temperature Service

Crosby forged and cast steel products can be used in general service conditions up to temperatures of 400° F (204° C). The following should be considered when operating up to temperatures of 400 ° F (204° C).

1. Products that contain non-ferrous materials, and lubricants, plastics, etc. may be adversely affected by high temperatures, and typically should not exceed 200° F (93° C).
2. Galvanized, plated or painted fittings may suffer some or total degradation of the surface finish.
3. Extended exposure to elevated temperatures can cause severe surface scaling and significant permanent reduction of properties.
4. Repeated heating and cooling to room temperatures can result in temper embrittlement.

For other operating temperatures or products, contact Kito Crosby Engineering.

© 2025 Kito Crosby. All Rights Reserved.

VALUE ADDED FEATURES

No other manufacturer in the industry delivers the added value that you receive when you choose Kito Crosby



ENGINEERING & MANUFACTURING EXCELLENCE

Kito Crosby boasts a global team of leading engineering experts, modern facilities, and state-of-the-art processes that deliver unique and extensive capabilities to provide the highest quality products on the market. Our Product Identification Code (PIC) traceability system helps ensure proper controls are maintained throughout the entire manufacturing process, from raw material to finished goods.



UNMATCHED QUALITY & DEPENDABILITY

Our products provide consistent performance and enhanced material strength, ductility, and resilience because of careful selection of raw material and the most scientifically sophisticated heat treatment and quality control processes.



WORLD-CLASS TRAINING PROGRAMS

Kito Crosby is known for its world-class training program. Since 1991, we have trained more than 600,000 people through our in-person seminars, on-site safe rigging clinics, and self-paced online course.



EXCEPTIONAL SERVICE & TECHNICAL SUPPORT

Customer service begins with product availability, a seamless order-placing process, and support after the sale. At Kito Crosby, delivering exceptional service is a company-wide initiative driven by all of our teams, including customer service, technical support, sales, distributor support, engineered solutions, marketing, product management, and training departments.



RISK MANAGEMENT TOOLS & RESOURCES

We provide the most comprehensive product literature, in-person and online training in the industry. Many Kito Crosby products are individually bagged or tagged with warning and proper application information to help users control and manage factors of uncertain hazards.



THE BROADEST PRODUCT PORTFOLIO IN THE INDUSTRY

With leading brands, including Crosby, Gunnebo Industries, Crosby Straightpoint, Crosby BlokCam, McKissick, Crosby IP, Crosby Feubo, and Speedbinders, Kito Crosby is the leading source of rigging, lifting, and securement hardware. Our Engineered Solutions group is also available to work with you on custom product designs to meet your specific requirements.



GLOBAL DISTRIBUTION NETWORK WITH LOCAL SUPPORT

Our global network of more than 3,000 authorized distributors means you have access to local stock, ready to ship, and local service worldwide. No one else can provide more support closer to the point of use than Kito Crosby.

© 2025 Kito Crosby. All Rights Reserved.

Third Party Certification

ISO 9001 certification provides you:

- **Third party certification** that Kito Crosby meets the rigorous requirements of ISO 9001.
- **Third party proof** that Kito Crosby's quality assurance system is ongoing through a comprehensive audit program.
- **Third party proof** that Kito Crosby meets the high standards of design, manufacture, and service now demanded by global markets.
- **Manufacturing accountability** at all of Kito Crosby's facilities. This, in addition to Kito Crosby's comprehensive traceability system (PIC) and our material verification program, provides total accountability.
- **Audit savings**. Sourcing from Kito Crosby saves you time and costs associated with your audits or third party audits because, by being ISO 9001 certified, Kito Crosby is regularly audited by a third party.
- **Global competitiveness**. Sourcing from Kito Crosby positions you to be competitive in more markets throughout the world. Many major end users who operate internationally require their suppliers be ISO 9000 certified or offer products that are produced by an ISO 9001-certified source.
- **A long-term partner**. Kito Crosby's ability to meet ISO 9001 standards and to maintain third party certification makes it clear that Kito Crosby is a long-term partner you can depend on to provide the needed product at required performance levels.
- **Support**. Kito Crosby will support committed distributors in their efforts to define and accomplish what is needed for them to attain ISO 9002 certification.



DNV

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the management system of

Crosby Group LLC - Crosby Tulsa

2857 Dawson Road, Tulsa, OK, 74101, USA

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Sales, Design Engineering, Purchasing and Manufacturing of Fittings for Chain and Wire Rope, Swage Fittings and Presses, Blocks, Tackle, Sheaves, Standard and Custom Lifting Clamps used in Material Handling Systems for Construction, Energy, Industrial and Marine Applications

Place and date:
Barendrecht, 01 July, 2022

For the issuing office:
DNV - Business Assurance Zwolseweg 1, 2994 LB Barendrecht, Netherlands

Erin Kusk
Management Representative

Third party certification by product provides one or more of the following services:

- Inspection
- Certification Service
- Testing Service

This certification can be confirmed to their standards, the customer's standards, or the manufacturer's own standards. If requested at time of order, Kito Crosby will work with you to certify any of our products to any third party organization.

Type Approved Products

Several products have been Type Approved by various third party organizations.

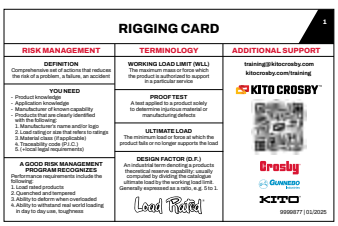
Type Approval requires:

1. A **Type Approval certificate** that verifies that the product design complies with the referenced standard(s) and,
2. A **manufacturing survey (MSA)** that verifies that the manufacturing location has been verified as capable of making the product.
3. A **product certificate** must be made available that verifies that the product shipped meets the requirements of the Type Approval and MSA. This product certificate must reference a serial number or PIC and is issued for each product produced.



Order popular training resources online

- Rigging seminar workbooks
- Users Guide for Lifting pocket cards
- Wall charts
- Catalogs



RIGGING CARD

RISK MANAGEMENT	TERMINOLOGY	ADDITIONAL SUPPORT
DEFINITION Comprehensive set of actions that reduces the risk of a problem, a failure, an accident	WORKING LOAD LIMIT (WLL) The maximum mass or force which the product is authorized to support in a particular service	training@kitocrosby.com kitocrosby.com/training
YOU NEED - Product knowledge - Application knowledge - Manufacturer of known capability - Products that are clearly identified with the following: 1. Manufacturer's name and/or logo 2. Load ratings or size that refers to ratings 3. Grade identity (if applicable) 4. Traceability code (if I.C.) 5. (+local legal requirements)	PROOF TEST A test applied to a product solely to determine injurious material or manufacturing defects	KITO CROSBY
	ULTIMATE LOAD The minimum load or force at which the product fails or no longer supports the load	
A GOOD RISK MANAGEMENT PROGRAM RECOGNIZES Performance requirements include the following: 1. Load rated products 2. Quenched and tempered 3. Ability to deform when overloaded 4. Ability to withstand real world loading in day to day use, toughness	DESIGN FACTOR (D.F.) An industrial term denoting a products theoretical reserve capability; usually computed by dividing the catalogue ultimate load by the working load limit. Generally expressed as a ratio, e.g. 5 to 1.	Crosby Gunnebo KITO

Load Rated

9999877 | 01/2025

Shop now at:

kitocrosby.com/training

© 2025 Kito Crosby. All Rights Reserved.

Ensure only genuine products are being used on your job site

Access and verify the authenticity of certificates for your Crosby & Gunnebo Industries products



COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL

Crosby
2801 Dawson Rd
Tulsa, OK 74110
kitocrosby.com

Certificate of Conformance

Certificate Number: CC1-20250501006l1
Location of Issue: ABC Rigging & Lifting
100 W. 3rd St.
Houston, TX 77001 USA
Phone: 713-555-0022

Stock No: 1019515
Description of Gear: G2130 4-3/4t Bolt Type Anchor Shackle 3/4" Maxtough®
Working Load Limit: 4-3/4t | Max. Allowed Proof Load: 9-1/2t | t indicates metric tons
Comments: 6:1 Design Factor
Note: Meets the performance requirements of Federal Specification RR-C-271G Type IVA, Grade A, Class 3, except for those provisions required of the contractor.
Meets or exceeds all requirements of ASME B30.26.
Crosby forged shackles can be used in general service with good rigging practice down to temperatures of -40 °F (-40 °C).
Has not been contaminated by Mercury or Asbestos in the manufacturing process.
Number of Pieces: 16 Bow: 6VC Distributor Note: 2R-4541 to 2R-4556
PICs are based on visual observation.
Certificate based on item being the Crosby product described above.

Mentioned products are in conformity to the Crosby literature available at the time of manufacture. We hereby certify that the above described material was manufactured and processed in a manner compatible to meeting the specified load ratings when used under normal and proper applications. This product at the time of manufacture does not contain any ozone-depleting substances.

This product at the time of manufacture does not exceed the threshold for any of the hazardous listed chemicals in Appendix 1 of MEPC 269(68) 2015 Guidelines.

QT Lead Free Fatigue Rated MAXTOUGH CE

For Product Delivered To: LIFTING PLUS
TULSA, OK 74110
USA

Supplier (Distributor) Order Number: 2021-0475
Customer (User) Order Number: 8300 055360

Date: May 01, 2025 (Date of Issuance)
Signature: Kevin Smith, Director of Quality, NA

3 key questions about the authenticity of your product:

1. **Did you buy from an authorized Kito Crosby distributor?** It's important to only purchase product through authorized distributors. Our global network of authorized distributors are poised to provide you local support and the many value added services available from Kito Crosby.

2. **Did you receive a Certificate of Conformance?** Always require a Certificate of Conformance to provide assurance you are purchasing authentic products. These certificates include the item's Product Identification Code (PIC) and additional important information.

   Your authorized distributor can generate Certificates of Conformance online through Crosby CertPro® at **kitocrosby.com/certpro**.

   Other certificates are also available through Crosby CertPro, including Material Certificates and Type Approval Certificates.

3. **Did you validate the Crosby CertPro certificate?** If you have any questions about the authenticity of a Crosby CertPro certificate, you can verify it online yourself through Crosby VerificationPro® at **kitocrosby.com/verificationpro**.

CERT PRO®

For authorized distributors to access and generate customer certificates.
kitocrosby.com/certpro

VERIFICATION PRO®

For anyone looking to verify the authenticity of a Crosby certificate.
kitocrosby.com/verificationpro

Gunnebo Industries certificates are now available on CertPro and VerificationPro.

© 2025 Kito Crosby. All Rights Reserved.

World Standards

ISO 9001

The International Standardization Organization (ISO) brought standardization to the international level in 1987 by defining three levels of quality assurance. These are ISO 9001, ISO 9002, and ISO 9003.

ISO 9001 is the most comprehensive level. This level involves design, development, production, and shipping. A total of 20 quality system elements apply to ISO 9001. ISO 9001 requires that all procedures, work instructions, processes and related activities be documented. Certification to ISO 9001 requires a third party audit of all facilities prior to attainment and ongoing auditing every six months.

Certification to ISO 9001 is a solid foundation for transparency. Attainment of ISO 9001 forms the basis for meeting other world standards and provides customers with documented proof of the organization's ability to consistently provide product quality and performance. Adherence to ISO 9001 is a major element of purchasing contracts throughout the world.

Questions to ask your rigging provider

Do they meet ISO 9001 standards?

Are they an ISO 9001 certified company or have an implementation schedule?

If not, how willthey support the future needs of international companies and the Department of Defense?

What other world standards of performance to they meet?

Why choose Crosby

Kito Crosby makes the commitment and investment needed to attain ISO 9001 certification to support the needs of our distributors and end users.

Kito Crosby facilities worldwide have been awarded certification for our Quality Assurance Program according to ISO 9001 by DET NORSKE VERITAS (DNV).

The criteria outlined by ISO 9001 have been adopted by the company through our ongoing quality programs. Quality has been built into our products and corporate philosophy from the beginning.

AMERICAN PETROLEUM INSTITUTE

The American Petroleum Institute (API) provides third party certification for products used in the oil field and other petroleum related activities. It provides quality assurance certification under the API-Q1 program. Manufacturers who meet the criteria qualify to manufacture under the API-Q1 program and utilize the API monogram. The API also provides design and manufacturing criteria for API-8C. All oil field blocks should meet API-8C criteria.

Questions to ask your rigging provider

Are they certified to API-Q1?

Do they have the capability to meet API-8C when required?

Why choose Crosby

Kito Crosby is certified under API-Q1 to manufacture McKissick blocks and sheaves for use in the oil field. All oil field blocks are designed and manufactured to API-8C requirements.

Licensed Under API Spec 8C-0021

OTHER WORLD STANDARDS

American Bureau of Shipping (ABS)
Lloyds Register of Shipping (Lloyd's)
DET NORSKE VERITAS (DNV)
Association of Belgian Industry for Safety and Health (AIB-VINÇOTTE) (AV) (VGS)
Control Organization of German Industry for Safety and Health (DIN)
Netherland Labor Inspection (AI)
Nuclear Regulatory Commission (NRC)
Defense Contract Administration Services Management Area (DCAS)
Registro Italiano Navale (RINA)

Questions to ask your rigging provider

What world standards are they familiar with?

Can they demonstrate the ability to meet these standards when needed?

Do they have the quality systems and product peformance needed to document adherence to these standards?

Why choose Crosby

Kito Crosby has demonstrated capability in various countries and with many products. Kito Crosby actively participates in standards-setting committees in both the United States and Europe and has frequently certified shackles, sheaves, blocks, and hooks to various world standards when required.



© 2025 Kito Crosby. All Rights Reserved.

Material Properties

PROCESS

The material used in a forged fitting, such as carbon or alloy steel, determines the potential properties. The manufacturing processes determine what the properties will actually be. The material must be special bar forging quality steel and fine grained. The heating of steel to forging temperature must be properly controlled to ensure that the steel is not 'injured' by overheating. Proper forging equipment and techniques must be employed to assure proper material flow in the dies and tooling. The heat treatment process must be well defined and precisely controlled.

Questions to ask your rigging provider

What processes do they consider important, and how do they select their material?

Is the steel fine grained?

Are standards established to ensure sufficient cleanliness of the steel?

Why choose Crosby

Kito Crosby's attention to material selection, forging techniques, machining, and heat treatment processes assures the properties required will be attained, thus providing superior performance of the product. Kito Crosby has specific and demanding cleanliness requirements.

TENSILE STRENGTH & DUCTILITY

The mechanical properties that are important when lifting a load under normal conditions are tensile strength and ductility. The ability to carry a load increases with the tensile (pulling) strength of the steel. The ability of steel to deform in an overload condition is known as its ductility.

Both of these factors enter greatly into determining the working load limit of a forging. Ductility is measured by standard engineering tests of elongation and reduction of area. It is also measured by how much deformation the fitting incurs when overloaded. The tensile strength determines the actual working load, while ductility allows the product to deform significantly when overloaded, thus giving warning before ultimate failure.

Questions to ask your rigging provider

Do they have an active program to determine tensile and ductility properties?

Are testing audits performed continuously on all products?

Is the actual deformation of a fitting when overloaded a major consideration for their shackles?

Why choose Crosby

Kito Crosby has an active program to determine tensile and ductility properties, and testing audits are continuously performed on all products. Kito Crosby's design philosophy considers the deformation of a fitting when loading is a key requirement.

FATIGUE PROPERTIES

The mechanical properties of steel when a load is repeatedly applied is known as its fatigue strength. Fatigue testing determines the ability of a material to withstand repeated applications of a load. The load by itself may be too small to produce a failure. There are three factors involved when considering fatigue strength: the number of cycles at which a crack initiates, the number of cycles at which the crack starts to grow, and the number of cycles at which the fitting fails. One accepted method of fatigue rating fittings is to test them to 1-1/2 times the working load limit for 20,000 cycles, without failure. This standard test is accepted as indicating indefinite life when used within the working load limit under normal circumstances.

Questions to ask your rigging provider

Does the material selection process recognize fatigue properties?

Do they have an active program to design and test fatigue properties?

Is there a program in place to fatigue rate all load-bearing products that are used in critical applications?

Why choose Crosby

Kito Crosby has an active program to determine fatigue properties. Included in this program is the use of finite element design methods to predict possible weak areas, which in turn allows us to design in superior fatigue properties.

Kito Crosby specifies material of specific cleanliness and guaranteed hardenability which enhances fatigue. We design and manufacture products with fatigue in mind and ensure all load-bearing products used in critical applications being fatigue rated.

IMPACT PROPERTIES

The mechanical properties of steel when a load is rapidly applied is known as its impact strength. Impact tests are made by applying a sudden load to a test piece and measuring the energy absorbed when the specimen breaks. The tougher the material, the greater the energy required to break the piece. A brittle piece can absorb virtually no energy upon breaking. The Charpy V Notched Impact test is one common method of performing the testing and measurement. Fittings must be able to have impact strengths that match the requirements of their application at all temperatures, even low temperatures commonly found in winter conditions. The difficulty of crack initiation and crack growth under impact is an important consideration.

Questions to ask your rigging provider

Does the material selection process recognize impact properties?

Do they have an active program to perform actual testing of impact properties?

Do they recognize the need for good impact properties?

Why choose Crosby

KIto Crosby recognizes the importance of impact properties and has an active program to determine impact properties at various temperatures of each material used in the various heat treat conditions.

Our products are designed to be used in a wide range of temperatures. Kito Crosby specifies material of specific cleanliness and guaranteed hardenability which enhances fatigue and impact properties.

PERFORMANCE

Performance of a fitting requires a tensile strength that meets working load limits, ductility that allows deformation when overloaded, fatigue properties that support repeated use, and impact properties that provide toughness. All of these properties are essential if the product is to perform time after time in adverse conditions. They are also important to assure that the inspection criteria set forth by ANSI will effectively monitor the ability of the fitting to continue in service.

Questions to ask your rigging provider

Does the fitting have required tensile strength, ductility, fatigue, and impact properties?

Are all material properties met?

Why choose Crosby

Kito Crosby designs its fittings to include required working load limits and design factors. Equally important are the ductility, fatigue, and impact properties. We provide you with material properties that minimize the risk of failure. No shortcuts in processing are made to save cost while sacrificing any of these performance elements.

Material properties by product group (value added qualities)

Tensile Strength – Hooks, Shackles, Turnbuckles, Chain Fittings *(Kito Crosby can provide typical hardness, tensile, and typical yield strength values.)*

Ductility – Hooks, Shackles, Turnbuckles, Chain Fittings *(Kito Crosby can provide typical reduction of area and elongation values upon special request.)*

Impact Properties – Hooks, Shackles, Turnbuckles, Chain Fittings *(Kito Crosby's quenched and tempered products have enhanced impact properties for greater toughness at all temperatures. Charpy impact properties are available if requested at time of order.)*

Fatigue Properties – Hoist Hooks, Shackles, Eye Bolts, Turnbuckles, Swivel Hoist Rings, Chain Fittings, Snatch Blocks are fatigue rated to 20,000 cycles at 1-1/2 times the WLL. (*Crosby products are designed to meet specific fatigue performance levels. If requested at time of order, these fatigue properties can be provided.)*

Proof Testing – All products *(Proof testing and certification are furnished standard with some products. If requested at time of order, proof testing certification is available for most of the Crosby remaining product line, with the exception of swage sockets and sleeves, spelter sockets, thimbles, etc.)*

QC 1400 Audits – Hoist Hooks only [Kito *Crosby's QC 1400 program provides reduction of are and elongation values, as well as hardness, tensile, and yield strength values for each production lot of hoist hooks. These factors are traceable by the Product Identification Code (PIC).]*

MAG Certification, Ultrasonic, X-Ray & Dye Penetrant Testing – All products *(If requested at time of order, different non-destructive testing and certification is available.)*

Chemistry Analysis – All products (*Each heat of steel is individually verified to confirm chemical analysis prior to manufacturing.)*

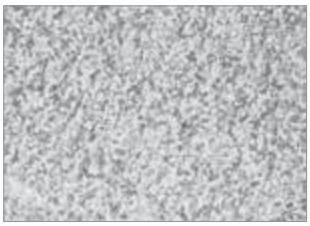
© 2025 Kito Crosby. All Rights Reserved.

Heat Treatment

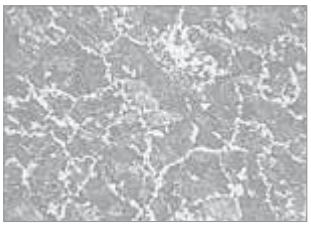
The heat treatment of steel is an ancient art and science that dates back to the Iron Age. Today, it has been refined to a sophisticated science. It is now possible to greatly enhance the strength, ductility, and resilience of steel through a properly controlled heat treatment process. The 'as forged' fitting results in variability that is detrimental in applications that require toughness. Normalizing, spheroidized annealing, and quench and tempering are heat treat processes. Proper heat treatment eliminates the risk of cooling variation at the forging process. This is true of all steels regardless of material grades.

All Crosby fittings that are load bearing components are heat treated to minimize risk. We do not take shortcuts for the sake of cutting cost. A non-heat treated product compromises the performance ability of that product.

Microstructures for various heat treatment processes



AS FORGED



NORMALIZED



QUENCHED & TEMPERED



COLD TUFF®

QUENCHED & TEMPERED

Quenching and tempering of steel has been found to be the heat treatment best suited to fully develop the strength and enhance the grain flow of carbon and alloy forgings.

The quenched and tempered product will deform before ultimate failure, thus giving warning.

The quenching process is rapid cooling in water or oil, after heating, to form a strong but brittle structure. The tempering process is the reheating of the steel to obtain the desired strength while increasing the ductility and toughness.

Quench and tempering provides the consistency of performance needed by all critical applications, especially overhead lifting.

Questions to ask your rigging provider

Are load-bearing fittings heat treated, and what type of heat treatment is used?

What products do they quench and temper, and are their products exposed to high-stress quenched and temper?

If not, why are they willing to accept inferior impact toughness properties of non-quenched and tempered products?

Some supply critical fittings in 'as forged' or 'as cast' condition, and many normalize their forgings but do not quench and temper.

Why choose Crosby

Crosby fittings are exposed to high stress applications, designed as load-bearing elements, and are quenched and tempered.

The Crosby Quenched & Tempered process is the most consistent method of assuring that every fitting performs as needed, especially in overhead lifting.

Q&T
QUENCHED & TEMPERED

MATERIAL CONTROL

The proper heat treatment of forged fittings depends on the appropriate selection of materials and use of heat treat procedures. Fine grained, special bar forging quality steel of specific cleanliness requirements and guaranteed hardenability in the appropriate grades must be used.

Proper selection of steel is not enough, however. The control and management of these steels, from purchase through the entire manufacturing process, is essential to assure that the proper results are attained in the designated product. This control should utilize a production traceability program.

Questions to ask your rigging provider

Do they have an identification code forged into the product that traces material back to verified certification?

Are all heat records maintained by the traceability code?

Most do not provide traceability of material.

Why choose Crosby

Crosby products have Product Identification Codes (PICs) for material control, from receipt and verification of steel throughout the entire manufacturing process.

Kito Crosby can provide certified material analysis for each production lot.

ULTIMATE STRENGTH, DUCTILITY, IMPACT & FATIGUE PROPERTIES

The mechanical properties of steel when a load is very rapidly applied is known as its *impact strength*. Forged fittings must be able to have impact strengths that match the requirements of their application, especially in cold temperatures. The ability of a steel to withstand repeated applications of a load is measured by fatigue testing. The proper heat treatment of forgings, which includes quenching and tempering, can develop these properties to their desired level in a consistent and reliable manner. The ability to perform when overloaded is known as *ductility*.

Question to ask your rigging provider

Are the products designed and manufactured with considerations for strength, fatigue, impact, and ductility?

Some do not utilize materials that have good impact and fatigue properties.

Why choose Crosby

The Crosby product line benefits from the selection of steel and the heat treatment process that allows for superior strength, ductility, impact, and fatigue performance. The product deforms if overloaded, giving warning before ultimate failure. All of these properties are essential if the product is to perform time after time. They are also important to assure that the inspection criteria set forth by ANSI will effectively monitor the ability of the fitting to continue in service.

Heat treatment process by product group

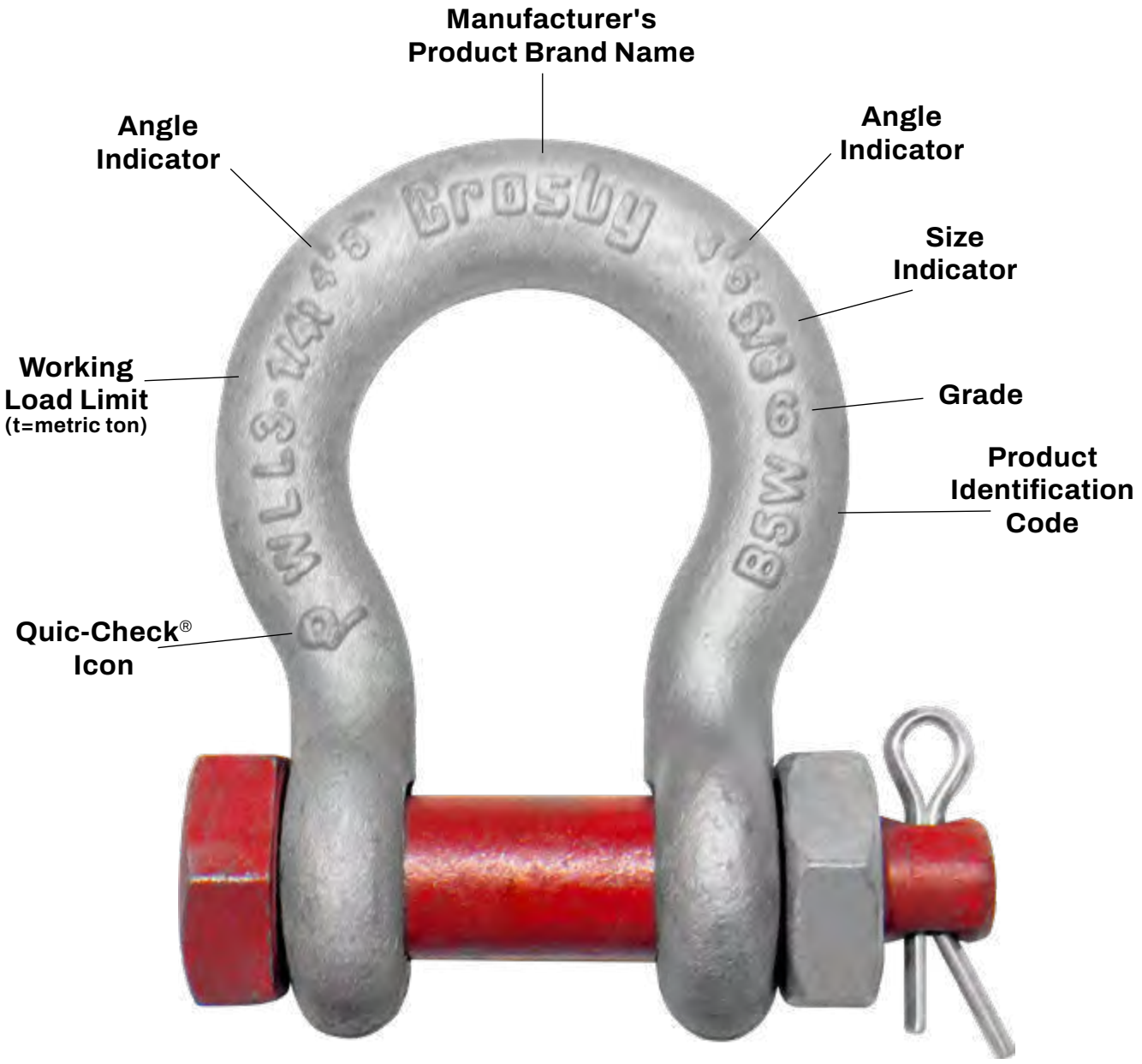
Shackles – Pins and bows are Quenched and Tempered
Eye Hooks – Quenched and Tempered
Shank Hooks – Quenched and Tempered
Master Links – Quenched and Tempered
Hoist Rings – Quenched and Tempered
Swivels – Quenched and Tempered
Turnbuckles – All ends are Q&T or Normalized bodies Normalized

Pad Eyes – Quenched and Tempered
Eye Bolts – Quenched and Tempered
Load Binders – Quenched and Tempered
Swage Sockets – Spheroidized Annealed
Swage Sleeves – Cold Tuff®
Spelter Sockets – Normalized

© 2025 Kito Crosby. All Rights Reserved.

VALUE LONG AFTER THE SALE

Crosby products are well known for quality, design, and safety features. It's important to know how to identify, interpret, and utilize the forged-in markings on your hardware to help ensure proper rigging for the life of the shackle, hook, or clip.



Watch our video training series on product identification



Shackle identification



Hook identification



Clip identification

kitocrosby.com/identification

© 2025 Kito Crosby. All Rights Reserved.

Identification

PRODUCT IDENTIFICATION

The most effective way of knowing the product you are purchasing is as reliable as possible is to only buy from a reputable company that maintains consistent and adequate quality. The company should clearly mark its components and finished products with the company name or logo, the component size or working load limit, and a traceability code that is actively used by the manufacturer to control material and processes.

Questions to ask your rigging provider

Do they have a traceability system?

If yes, is their traceability system also utilized for cast fittings, swage fittings, and all load-bearing components?

Why choose Crosby

Kito Crosby forges the Product Identification Code (PIC), each item's size or Working Load Limit (or a cross-reference code to working load limit) and manufacturer's name/logo into each product.

MATERIAL TRACEABILITY

A forged-in identification code should be used to record the material grade and origin. This record should trace the material to the heat lot of material of steel as rolled at the supplying mill. Verification checks of all materials purchased for forging must be done to ensure the steel supplied meets the specifications required. This verification should be traceable by a forged-in product identification code. The source and verification of material actually used in each forging must be able to be determined through appropriate documentation.

Questions to ask your rigging provider

Do they have a permanently marked code in each product that traces material back to a verified certification?

Do they test each heat of steel with their own testing facilities?

Why choose Crosby

Kito Crosby uses the Product Identification Code (PIC) to maintain material control from the steel mill, to receipt at our plant, to verification, and throughout the manufacturing process. We can provide certified material analysis for each production lot, traceable by the PIC. Through our own laboratory, we verify the analysis of each heat of steel and only purchase special bar forging quality steel with specific cleanliness requirements and guaranteed hardenability.

MANUFACTURING CONTROL

The permanent identification code should be used to maintain a record of which manufacturing facility produced the product and production dates. All quality records and product performance testing for audit and engineering purposes should also reference the code so that a history can be maintained.

Question to ask your rigging provider

Do their products have a permanent code that is used to maintain control throughout the manufacturing process?

Why choose Crosby

Kito Crosby uses the Product Identification Code (PIC) to maintain control of its products as they are manufactured.

PERFORMANCE & APPLICATION DATA

Detailed performance, application, and warning information will assist you in the proper use of products. This information is most effective when provided in supporting brochures and engineering documents. An identification marking must be used to reference this information by use of a cross reference between the product code and the literature. Proper performance data should include each item's working load limit, proof load and design factor. It should also include the item's manufacturing processes, such as heat treatment and galvanizing, and list any specification the product meets or exceeds.

Questions to ask your rigging provider

What warning and application information do they provide?

Are there markings in products to aid in the proper use of the fitting?

Do they provide training support?

Why choose Crosby

Kito Crosby provides a comprehensive catalog that describes each product's performance, along with detailed application and warning information on selected products. Selected products incorporate markings forged into the product to aid in the proper use of the fitting.

In addition, we provide product and application training in both in-person and digital formats.

Identification & labeling on product by product group	Name/Logo	Size	WLL	Rated in Metric Tons (t)	Product Identification Code	Serial Number	QUIC-CHECK® Markings
Shackles	■	■	■	■	■		■
Shank Hooks	■	*See note below		■	■		
Eye Hooks	■	■	■	■	■		
Other Forged Hooks	■	■			■		S-322
Snatch Blocks	■	■	■	■	Forged components		
Clips	■	■			Forged components		
Fist Grip Clips	■	■			■		
Turnbuckles	■	■			■		
Load Binders	■	■	■		■		
Eye Bolts	■	■			■		
Master Links	■	■			■		■
Tapered Swivel Bearings	■	■		■	■		
Chain Components	■	■			■		
Swage Sockets	■	■			■		■
Sleeves & Buttons	■	■			■		
380 Blocks	■	■	■		■	■	
680 Blocks	■	■	■		■	■	
Oil Field Blocks	■	■	■		■	■	
750 Bridge Crane Blocks	■	■	■	■		■	
Shackles CT & 2160	■	■	■	■	■	■	CT only
Swivel Hoist Rings	■	■	■	Select sizes	■		
Lifting Clamps	■	■	■	■		■	
Angular Contact Swivel Bearings	■	■	■		■		

*Both size and WLL are identified with a frame size that can be referenced back to our literature.

© 2025 Kito Crosby. All Rights Reserved.

Training

Kito Crosby launched its official training program in 1991 with the mission of delivering unparalleled support through product and application education and demonstrations. Since then, we are proud to have trained more than **600,000 people** through in-person courses and seminars, live safe rigging clinics, online courses, webinars, and other digital content. Today, we continue to offer world-class training for channel partners (Academy) and end users (University).

Channel partner training program

End user training program

ONLINE COURSES

User's Guide for Lifting – Learn the fundamentals of rigging through this self-paced course that covers topics featured in the popular Crosby User's Guide for Lifting rigging card. This course is designed for anyone who uses Crosby products. Certificate available upon successful completion.

DIGITAL CONTENT

Webinars – We host numerous free topical training webinars throughout the year (public and private).

Videos – We offer on-demand training videos on our YouTube channels, and for select companies upon request.

IN-PERSON COURSES

Fundamentals of Rigging – An introduction to risk management and an overview of relevant terminology and a basic rigging plan. Topics include center of gravity, proper load control, the rigging triangle, and vertical lifting angles.

Advanced Rigging & Lifting – Covers all modules in the Crosby training workbook. Topics include application of hardware, inspections, blocks, chain slings and hitches, lifting clamps, manual chain blocks, and lever hoists.

Train the Trainer – One additional day added to the Advanced Rigging & Lifting course. This session certifies all attendees to use our training materials for 48 months.

Application of Hardware – Safe use of various lifting products, including shackles, hooks, master links, turnbuckles, wire rope end fittings, and lifting points.

Inspection – Visual inspection best practices for lifting and rigging products, including chain, wire rope, and synthetic slings.

Chain Slings & Hitches – Visual inspection best practices for lifting and rigging products, including chain, wire rope, and synthetic slings.

Lifting Clamps – Vertical and horizontal lifting clamps and beam clamps. Topics include lifting angles applicable to clamps, visual inspections, selecting the proper clamp, and application cases.

Blocks – An introduction to blocks and sheaves, including parts of line, mechanical advantage, D/d ratio, and inspections.

Cargo Control/Load Securement – The safe and correct use of cargo control products, along with fundamental rigging best practices. Topics include regulations, chain applications, calculating DOT & FMCSA tiedown minimums, and understanding direct vs indirect tiedown applicaitons.

Alloy Chain Sling Safety & Inspection – The safe and correct use of alloy chain, along with inspection criteria, regulations, types of chain slings, lifting tensions, angle reductions, D/d ratios, documentation and tagging regulations, and more.



Rig Safe, Rig Smart Truck (North America)



Rig Safe, Rig Smart Trailer (Europe)

Kito Crosby hosts on-site safe rigging clinics across the world. Our custom-designed fleet of training vehicles deliver valuable, practical hands-on rigging training at your office or job site. Clinics provide insights into key safe, effective, and efficient rigging best practices through a 30-45 minute toolbox talk, along with live demonstrations of a product proof test and live load application.

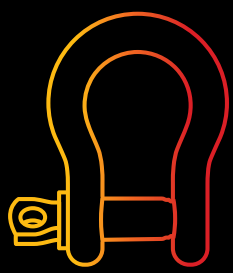
To learn more about these, and other, opportunities or to request a training session at your location, visit kitocrosby.com/training.

© 2025 Kito Crosby. All Rights Reserved.



SHACKLES

Quality, strength, durability, and consistent performance in demanding applications – the industry standard



kitocrosby.com

SHACKLES

DESIGN

The theoretical reserve capability of carbon shackles should be at a minimum 5 to 1, and alloy shackles a minimum of 4 to 1. Known as the Design Factor, it is usually computed by dividing the catalog Ultimate Load by the Working Load Limit.

The Ultimate Load is the average load or force at which the product fails or no longer supports the load.

The Working Load Limit is the maximum mass or force which the product is authorized to support in general service. The Design Factor is generally expressed as a ratio such as 5 to 1, or 5:1.

Also important to the design of shackles is the selection of proper steel to support fatigue, ductility, and impact properties.

Questions to ask your rigging provider

What is the Working Load Limit and Design Factor for shackles?

Is deformation upon overloading a critical consideration in their design?

Do they jeopardize other properties by having high hardness in order to increase Working Load Limit or Design Factor?

Why choose Crosby

Crosby carbon shackles have the highest design factor (6 to 1) in the industry. All Crosby Design Factors are documented.

Kito Crosby purchases only special bar forging quality steel with cleanliness and guaranteed harden ability. All material chemistry is independently verified prior to manufacturing.

The design of Crosby shackles assures that strength, ductility, and fatigue properties are met.

CLOSED DIE FORGING

The proper performance of premium shackles depends on good manufacturing techniques that include proper forging and accurate machining. Closed-die forging of shackles assures clear lettering, superior grain flow, and consistent dimensional accuracy.

A closed-die forged bow allows for an increased cross section that, when coupled with quench and tempering, enhances strength and ductility.

Closed-die bow forgings combined with close tolerance pin holes assures good fatigue life. Close pin-to-hole tolerance has been proven to be critical for good fatigue life, particularly with screw pin shackles.

Questions to ask your rigging provider

Are their shackles closed-die forged with close tolerance pin holes?

Do their shackles have good fatigue life?

Do their shackles have a fatigue life that meets the new world standards?

Many forge bows utilize an open die forging process which allows for inconsistent dimensional accuracy and increased pin hole clearance, thus jeopardizing the fatigue life of the shackle in actual use.

Why choose Crosby

Each shackle is closed-die forged. Closed-die forging produces consistent dimensions. A closed-die forged bow allows for an increased cross section that, when coupled with quench and tempering, enhances strength and ductility.

Close tolerance holes and concentric pins with good surface finishes are provided by Kito Crosby and are proven to provide improved fatigue life in actual use.

Crosby shackles are fatigue rated as well as load rated. Close pin to hole tolerance has been proven to be critical for good fatigue life, particularly with screw pin shackles.

FATIGUE PROPERTIES

The mechanical properties of steel when a load is repeatedly applied is known as its fatigue strength. Fatigue testing determines the ability of a material to withstand repeated applications of a load. The load by itself may be too small to produce a failure. There are three factors involved when considering fatigue strength: the number of cycles at which a crack initiates, the number of cycles at which the crack starts to grow, and the number of cycles at which the fitting fails. One accepted method of fatigue rating fittings is to test them to 1-1/2 times the working load limit for 20,000 cycles, without failure. This standard test is accepted as indicating indefinite life when used within the working load limit under normal circumstances.

Questions to ask your rigging provider

Does the material selection process recognize fatigue properties?

Do they have an active program to design and test fatigue properties?

Is there a program in place to fatigue rate all load-bearing products that are used in critical applications?

Why choose Crosby

Kito Crosby has an active program to determine fatigue properties. Included in this program is the use of finite element design methods to predict possible weak areas, which in turn allows us to design in superior fatigue properties.

Kito Crosby specifies material of specific cleanliness and guaranteed hardenability which enhances fatigue. We design and manufacture products with fatigue in mind and ensure all load-bearing products used in critical applications being fatigue rated.

QUENCHED & TEMPERED

Quench and tempering assures the uniformity of performance and maximizes the properties of the steel. This means that each shackle meets its rated strength and has required ductility, toughness, impact, and fatigue properties.

The requirements of your job demand this reliability and consistency. This process develops a tough material that reduces the risk of brittle, catastrophic failure.

The shackle bow will deform if overloading occurs, giving warning before ultimate failure.

Questions to ask your rigging provider

Are their bows and pins quenched and tempered?

If not, are they willing to accept inferior impact toughness, product deformation, and the increased risk of inconsistency?

Why do many manufacturers not recommend non-heat-treated shackles for overhead lifting?

Why do some recommend quench and tempering for alloy but not carbon grades?

Many normalize the shackle bows. As a result, desired properties are not achieved. A few even provide bows in an 'as-forged' condition, resulting in the possibility of brittle failure.

Why choose Crosby

All Crosby shackle bows and pins are quenched and tempered, which enhances their performance under cold temperatures and adverse field conditions. Crosby carbon shackles are recommended for all critical applications including overhead lifting. Alloy shackles are recommended when specific dimensional requirements dictate a size that requires higher working load limits. Crosby shackles provide the tensile strength, ductility, impact, and fatigue properties that are essential if they are to perform time after time in adverse conditions.

These properties assure that the inspection criteria set forth by ANSI will effectively monitor the ability of the shackles to continue in service.

Watch our video on the Quench & Tempered process at **kitocrosby.com/QT**.

IDENTIFICATION & APPLICATION INFO

The proper application of shackles requires that the correct type and size of shackle be used. The shackle's Working Load Limit, its size, a traceability code, and the manufacturer's name should be clearly marked in the bow.

Traceability of the material chemistry and properties is essential for total confidence in the product. Material chemistry should be independently verified prior to manufacturing.

Questions to ask your rigging provider

Do they have an active traceability system used in manufacturing?

Is the material chemistry independently verified?

What training support is provided?

Why choose Crosby

We forge the Crosby name or "CG," the Working Load Limit, and the Product Identification Code (PIC) into each bow, and the Crosby name or "CG," and the PIC into each pin of its full line of screw pin, round pin, and bolt type anchor and chain shackles. Kito Crosby also provides training on the proper use of shackles.

Watch our training video on shackle identification at **kitocrosby/identification**.

© 2025 Kito Crosby. All Rights Reserved.

CROSBY VALUE ADDED

- **Charpy impact properties:** Crosby shackles are quenched and tempered and have enhanced impact properties for greater toughness at all temperatures. If requested at the time of order, Kito Crosby can provide Charpy impact properties.
- **Fatigue properties:** Fatigue properties are available for 1/3 to 55 metric ton shackles. These Crosby shackles are fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- **Ductility properties:** Typical ductility properties are available for all sizes upon special request.
- **Hardness levels and material tensile strengths:** Typical values are available for all sizes of shackles, and actual values can be furnished if requested at the time of order.
- **Proof Testing:** If requested at the time of order, shackles can be proof tested with certificates.
- **Mag Certification:** If requested at the time of order, shackles can be magnetic particle inspected with certificates.
- **Certification:** Certification to world class standards is available upon special request at the time of order; American Bureau of Shipping, Lloyds Register of Shipping, Det Norske Veritas, American Petroleum Institute, RINA, Nuclear Regulatory Commission, and several other worldwide standards.
- **Applications:** ***Round pin shackles*** can be used in tie down, towing, suspension or lifting applications where the load is strictly applied in-line. ***Screw pin shackles*** can be used in any application where a round pin shackle is used. In addition, screw pin shackles can be used for applications involving side-loading circumstances. Reduced working load limits are required for side-loading applications. ***Bolt type shackles*** can be used in any application where round pin or screw pin shackles are used. In addition, they are recommended for permanent or long-term installations and where the load may slide on the shackle pin causing the pin to rotate.
- **Material analysis:** Kito Crosby can provide certified material (mill) analysis for each production lot, traceable by the Product Identification Code (PIC). Kito Crosby, through its own laboratory, verifies the analysis of each heat of steel. Kito Crosby purchases only ***special bar*** forging quality steel with specific cleanliness requirements and guaranteed hardenability.
- **Field inspection:** Written instructions for visual, magnaflux, and dye penetrant inspection of shackles are available from Kito Crosby. In addition, acceptance criteria and repair procedures for shackles are available.
- **QUIC-CHECK®**: Shackles incorporate two marking indicators forged into the shackle bow at 45° angles from vertical. These are utilized to quickly check the approximate angle of a two-legged hitch or check the angle of a single leg hitch. If the load is off vertical or side loaded a reduction in the Working Load Limit of the shackle is required.

G-213

Round pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 1, except for those provisions required of the contractor.



G-209

Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.



G-2130

Bolt type anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 3, except for those provisions required of the contractor.



G-215

Round pin chain shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 1, except for those provisions required of the contractor.



G-210

Screw pin chain shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 2, except for those provisions required of the contractor.



G-2150

Bolt type chain shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 3, except for those provisions required of the contractor.



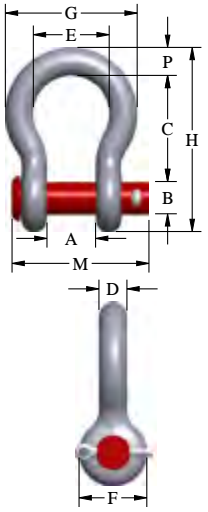
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

G-213



- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Shackles are Quenched & Tempered and can meet DNV impact requirements of 42 Joules (31 ft-lb) at -20° C (-4° F).
- G-213 Round pin anchor shackles meet the performance requirements of Federal Specification RR-C-271H, Type IVA, Grade A, Class 1, except for those provisions required of the contractor.
- DO NOT SIDE LOAD ROUND PIN SHACKLES.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-213 Round Pin Anchor Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Pin Stock No.
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	M	P	
1/4	1/2	1018017	.06	12	1.5	8	29	1.5	6	20	16	32	47	34	6	-
5/16	3/4	1018035	.08	14	1.5	10	31	1.5	8	21	19	37	53	41	8	-
3/8	1	1018053	.13	17	1.5	11	37	3.3	10	26	23	46	64	47	10	-
7/16	1 1/2	1018071	.17	19	1.5	13	43	3.3	11	30	27	52	74	54	11	-
1/2	2	1018099	.32	21	1.5	16	48	3.3	13	33	30	59	83	60	13	-
5/8	3 1/4	1018115	.68	27	1.5	20	60	3.3	16	43	38	74	106	74	18	-
3/4	4 3/4	1018133	1.05	32	1.5	22	71	6.4	19	51	46	89	126	87	21	-
7/8	6 1/2	1018151	1.58	37	1.5	26	84	6.4	22	58	53	103	148	97	25	-
1	8 1/2	1018179	2.27	43	1.5	30	95	6.4	25	68	60	119	167	115	27	-
1-1/8	9 1/2	1018197	3.16	46	1.5	32	108	6.4	30	74	68	131	190	130	32	1082232
1-1/4	12	1018213	4.42	52	1.5	36	119	6.4	33	83	76	146	210	140	35	1082250
1-3/8	13 1/2	1018231	6.01	57	3.3	39	133	6.4	36	92	84	162	233	156	38	1082278
1-1/2	17	1018259	7.82	60	3.3	42	146	6.4	39	99	92	176	254	165	41	1082296
1-3/4	25	1018277	13.4	73	3.3	52	178	6.4	47	127	106	224	313	197	57	1082312
2	35	1018295	20.8	83	3.3	58	197	6.4	53	146	122	258	348	222	61	1082330

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

Load Rated · Fatigue Rated · QUIC-CHECK® · Q&T QUENCHED & TEMPERED · MAXTOUGH® · CE

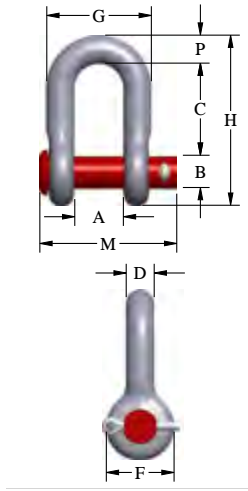
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-215



- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 Joules (31 ft-lb) at -20° C (-4° F).
- G-215 Round pin chain shackles meet the performance requirements of Federal Specification RR-C-271H, Type IVB, Grade A, Class 1, except for those provisions required of the contractor.
- DO NOT SIDE LOAD ROUND PIN SHACKLES.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-215 Round Pin Chain Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												Replace-ment Pin Stock No.
				A	Tol. A ±	B	C	Tol. C ±	D	F	G	H	M	P		
1/4	1/2	1018810	.05	12	1.5	8	22	1.5	6	16	25	40	34	6		-
5/16	3/4	1018838	.08	14	1.5	10	26	1.5	8	19	29	48	41	8		-
3/8	1	1018856	.11	17	1.5	11	32	3.3	10	23	36	59	47	10		-
7/16	1 1/2	1018874	.18	19	1.5	13	37	3.3	11	27	41	68	54	11		-
1/2	2	1018892	.23	21	1.5	16	41	3.3	13	30	46	77	60	13		-
5/8	3 1/4	1018918	.55	27	1.5	20	51	3.3	16	38	59	96	74	16		-
3/4	4 3/4	1018936	.91	32	1.5	22	60	6.4	19	46	70	115	87	21		-
7/8	6 1/2	1018954	1.49	37	1.5	26	71	6.4	22	53	81	135	97	25		-
1	8 1/2	1018972	2.15	43	1.5	30	81	6.4	25	60	94	151	115	25		-
1-1/8	9 1/2	1018990	2.86	46	1.5	32	90	6.4	29	68	103	172	130	32		1082232
1-1/4	12	1019016	4.08	52	3.3	36	100	6.4	32	76	115	191	140	35		1082250
1-3/8	13 1/2	1019034	5.44	57	3.3	39	111	6.4	35	84	127	210	156	38		1082278
1-1/2	17	1019052	7.33	60	3.3	42	124	6.4	38	92	137	230	165	41		1082296
1-3/4	25	1019070	11.79	73	3.3	52	146	6.4	44	106	162	279	197	54		1082312
2	35	1019098	19.6	83	3.3	58	171	6.4	53	127	184	324	222	60		1082330

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

Load Rated Fatigue Rated QUIC-CHECK® Q&T MAXTOUGH® CE

APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

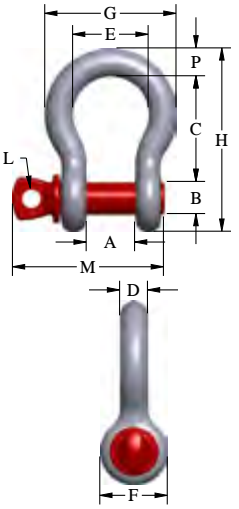
Crosby®

G-209/S-209



S-209





- Meets performance requirements of Grade 6 shackles.
- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Hot-dip galvanized (G) or self colored (S).
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS Marine Vessel Rules, ABS Mobile Offshore Units, and ABS Guide for the Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-209 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.

G-209 / S-209 Screw Pin Anchor Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.		Weight Each (kg)	Dimensions (mm)														Replace-ment Pin Stock No.
		G-209	S-209		A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	L	M	P	
3/16	1/3	1018357	–	.03	10	1.5	6	22	1.5	5	15	14	25	37	4	29	5	-
1/4	1/2	1018375	1018384	.05	12	1.5	8	29	1.5	6	20	16	32	47	5	36	6	-
5/16	3/4	1018393	1018400	.09	14	1.5	10	31	3.3	8	21	19	37	53	6	43	8	-
3/8	1	1018419	1018428	.14	17	1.5	11	37	3.3	10	26	23	46	64	6	52	10	-
7/16	1 1/2	1018437	1018446	.17	19	1.5	13	43	3.3	11	30	27	52	74	8	60	11	-
1/2	2	1018455	1018464	.33	21	1.5	16	48	3.3	13	33	30	59	83	10	68	13	-
5/8	3 1/4	1018473	1018482	.62	27	1.5	19	60	6.4	16	43	38	74	106	11	85	18	-
3/4	4 3/4	1018491	1018507	1.07	32	1.5	22	71	6.4	19	51	46	89	126	13	101	21	-
7/8	6 1/2	1018516	1018525	1.64	37	1.5	25	84	6.4	22	58	53	103	148	13	114	25	-
1	8 1/2	1018534	1018543	2.28	43	1.5	30	96	6.4	25	68	60	119	167	14	130	27	-
1-1/8	9 1/2	1018552	1018561	3.36	46	1.5	32	108	6.4	30	74	68	131	190	16	152	32	1082599
1-1/4	12	1018570	1018589	4.31	52	1.5	36	119	6.4	33	83	76	146	210	18	165	35	1082615
1-3/8	13 1/2	1018598	1018605	6.14	57	3.3	40	133	6.4	36	92	84	162	233	19	176	38	1082633
1-1/2	17	1018614	1018623	7.80	60	3.3	42	146	6.4	39	99	92	176	254	21	189	41	1082651
1-3/4	25	1018632	1018641	14.02	73	3.3	52	178	6.4	47	127	106	224	313	25	233	57	1082679
2	35	1018650	1018669	20.4	83	3.3	58	197	6.4	53	146	122	258	347	29	263	61	1082697
2-1/2	55	1018678	1018687	38.9	105	6.4	71	267	6.4	69	184	148	324	455	35	335	80	1082713

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

Load Rated · Fatigue Rated · TA TYPE APPROVED · QUIC-CHECK® · Q&T QUENCHED & TEMPERED · MAXTOUGH® · CE

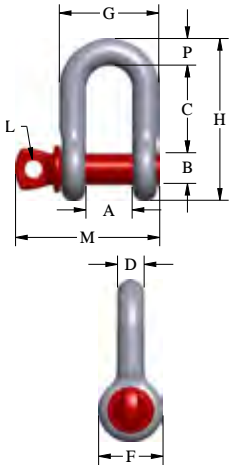
APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-210



- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Hot-dip galvanized.
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS Marine Vessel Rules, ABS Mobile Offshore Units, and ABS Guide for the Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-210 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 2, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-210 Screw Pin Chain Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Pin Stock No.
				A	Tol. A ±	B	C	Tol. C ±	D	F	G	H	L	M	P	
1/4	1/2	1019150	.05	12	1.5	8	22	1.5	6	16	25	40	5	36	6	-
5/16	3/4	1019178	.08	14	1.5	10	26	1.5	8	19	29	48	6	43	8	-
3/8	1	1019196	.13	17	1.5	11	32	3.3	10	23	36	59	6	52	10	-
7/16	1 1/2	1019212	.20	19	1.5	13	37	3.3	11	27	41	68	8	60	11	-
1/2	2	1019230	.29	21	1.5	16	41	3.3	13	30	46	77	10	68	13	-
5/8	3 1/4	1019258	.57	27	1.5	19	51	3.3	16	38	59	96	11	85	16	-
3/4	4 3/4	1019276	1.03	32	1.5	22	60	6.4	19	46	70	115	13	101	21	-
7/8	6 1/2	1019294	1.43	37	1.5	25	71	6.4	22	53	81	135	13	114	25	-
1	8 1/2	1019310	2.15	43	1.5	29	81	6.4	25	60	94	151	14	130	25	-
1-1/8	9 1/2	1019338	3.06	46	1.5	32	90	6.4	29	68	103	172	16	152	32	1082599
1-1/4	12	1019356	4.11	52	3.3	36	100	6.4	32	76	115	191	18	165	35	1082615
1-3/8	13 1/2	1019374	5.28	57	3.3	40	111	6.4	35	84	127	210	19	176	38	1082633
1-1/2	17	1019392	7.23	60	3.3	42	124	6.4	38	92	137	230	21	189	41	1082651
1-3/4	25	1019418	12.1	73	3.3	52	146	6.4	44	106	162	279	25	233	54	1082679
2	35	1019436	19.2	83	3.3	58	171	6.4	53	127	184	324	29	263	60	1082697
2-1/2	55	1019454	32.5	105	6.4	71	203	6.4	67	144	238	377	35	335	67	1082713

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

Load Rated Fatigue Rated TA TYPE APPROVED QUIC-CHECK® QT QUENCHED & TEMPERED MAXTOUGH® CE

APPLICATION AND WARNING INFORMATION SECTION 17

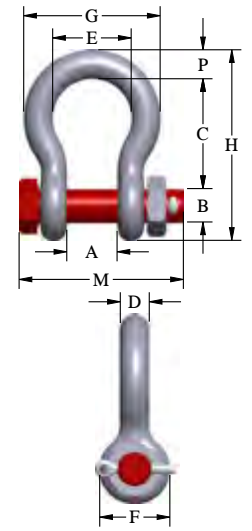
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

G-2130 / S-2130



- Working Load Limit and Grade 6 permanently shown on every shackle.
- Forged, Quenched & Tempered, with alloy bolts.
- Hot-dip galvanized (G) or self colored (S). 85, 120, and 150-metric ton shackles are all hot-dip galvanized bows and the bolts are Dimetcoted® and painted red.
- Sizes 3/8 and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit (1/3t - 55t).
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26.
- Shackles 85 metric tons and larger are individually proof tested to 2.0 times the working load limit.
- Type Approval certification in accordance with ABS Marine Vessel Rules, ABS Mobile Offshore Units, and ABS Guide for the Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.





- 3.1 Certification as standard available for charpy and statistical proof test from 3.25t up to 25 tons to DNV 2.7-1 and EN13889.
- Crosby 3.25t through 25t G-2130OC anchor shackles are type approved to DNV Certification Notes 2.7-1-Offshore Containers. These Crosby shackles are statistical proof and impact tested to 42 Joules (31 ft-lb) min. avg. at -20° C (-4° F). The tests are conducted by Crosby and 3.1 test certification is available upon request.
- All other 2130 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg at -20° C (-4° F) when requested at time of order.
- Meets the performance requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 3, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.

G-2130 / S-2130 Bolt Type Anchor Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.			Weight Each (kg)	Dimensions (mm)												Replacement Bolt Stock No.
		G-2130	S-2130	G-2130OC		A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	M	P	
3/16	1/3 ‡	1019464	-	-	.03	10	1.5	6	22		5	15	14	25	37	33	5	-
1/4	1/2	1019466	-	-	.05	12	1.5	8	29	1.5	6	20	16	33	47	40	6	-
5/16	3/4	1019468	-	-	.10	14	1.5	10	31	1.5	8	21	19	37	53	46	8	-
3/8	1	1019470	-	-	.15	17	1.5	11	37	1.5	10	26	23	46	64	55	10	-
7/16	1 1/2	1019471	-	-	.22	19	1.5	13	43	3.3	11	30	27	52	74	64	11	-
1/2	2	1019472	1019481	-	.36	21	1.5	16	48	3.3	13	33	30	59	84	71	13	-
5/8	3 1/4	1019490	1019506	1262013	.76	27	1.5	20	61	3.3	16	43	38	75	106	90	18	-
3/4	4 3/4	1019515	1019524	1262022	1.23	32	1.5	23	72	3.3	19	51	46	89	126	105	21	-
7/8	6 1/2	1019533	1019542	1262031	1.79	37	1.5	26	84	6.4	22	58	53	103	148	122	25	-
1	8 1/2	1019551	1019560	1262040	2.57	43	1.5	29	96	6.4	25	68	61	119	167	137	27	-
1-1/8	9 1/2	1019579	1019588	1262059	3.75	46	1.5	32	108	6.4	30	74	69	131	190	150	32	1082839
1-1/4	12	1019597	1019604	1262068	5.31	52	1.5	36	119	6.4	33	83	76	146	210	170	35	1082857
1-3/8	13 1/2	1019613	1019622	1262077	7.18	57	3.3	39	133	6.4	36	92	84	162	233	183	38	1082875
1-1/2	17	1019631	1019640	1262086	8.62	61	3.3	42	146	6.4	39	99	92	176	254	196	41	1082893
1-3/4	25	1019659	1019668	1262095	15.4	73	3.3	52	178	6.4	47	127	106	224	313	245	57	1082919
2	35	1019677	1019686	-	23.7	83	3.3	59	197	6.4	53	146	122	258	348	274	61	1082937
2-1/2	55	1019695	1019702	-	44.6	105	6.4	71	267	6.4	69	184	148	324	455	344	80	1082955
3	† 85	1019711	-	-	69.9	127	6.4	84	330	6.4	79	200	165	371	546	384	92	1084449
3-1/2	† 120 ‡	1019739	-	-	120	133	6.4	96	372	6.4	92	229	203	432	632	432	111	1084452
4	† 150 ‡	1019757	-	-	153	140	6.4	108	368	6.4	102	254	229	457	652	457	116	1084456

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications..
† Individually Proof Tested with certification. ‡ Furnished with eye bolts for handling.

Load Rated | Fatigue Rated | TA TYPE APPROVED | QUIC-CHECK® | QT QUENCHED & TEMPERED | MAXTOUGH® | CE

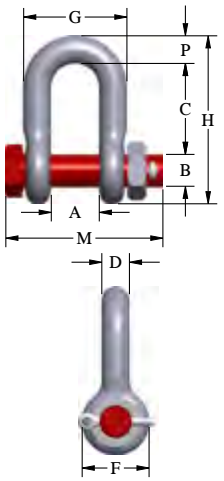
APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-2150



- Working Load Limit and Grade 6 permanently shown on every shackle.
- Forged, Quenched & Tempered, with alloy pins.
- Hot-dip galvanized. 85 ton shackles have hot-dip galvanized bows and the bolts are Dimetcoted® and painted red.
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit. (1/2t - 55t).
- Approved for use at -40° C (-40 degrees F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26.
- Sizes 1/2 - 25t meet the performance requirements of EN13889:2003.
- Shackles 55 metric tons and smaller can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification when requested at time of order.
- Type Approval certification in accordance with ABS Marine Vessel Rules, ABS Mobile Offshore Units, and ABS Guide for the Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- Meets the performance requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 3, except for those provisions required of the contractor.
- All 2150 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg at -20° C (-4° F) upon special request.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-2150 Bolt Type Chain Shackles

Nominal Size (in)	Working Load Limit (t)*	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Bolt Stock No.
				A	Tol. A ±	B	C	Tol. C ±	D	F	G	H	M	P		
1/4	1/2	1019768	.06	12	1.5	8	22	1.5	6	16	25	40	40	6		-
5/16	3/4	1019770	.10	14	1.5	10	26	1.5	8	19	29	49	46	8		-
3/8	1	1019772	.15	17	1.5	11	32	3.3	10	23	36	59	55	10		-
7/16	1 1/2	1019774	.22	19	1.5	13	37	3.3	11	27	41	68	64	11		-
1/2	2	1019775	.34	21	1.5	16	41	3.3	13	30	46	77	71	13		-
5/8	3 1/4	1019793	.67	27	1.5	20	51	3.3	16	38	59	96	90	16		-
3/4	4 3/4	1019819	1.14	32	1.5	23	61	6.4	19	46	70	115	105	21		-
7/8	6 1/2	1019837	1.75	37	1.5	26	71	6.4	22	53	81	135	122	25		-
1	8 1/2	1019855	2.52	43	1.5	29	81	6.4	25	61	94	151	137	25		-
1-1/8	9 1/2	1019873	3.45	46	1.5	32	90	6.4	29	68	103	172	150	32		1082839
1-1/4	12	1019891	4.90	52	1.5	36	100	6.4	32	76	115	191	170	35		1082857
1-3/8	13 1/2	1019917	6.24	57	3.3	39	111	6.4	35	84	127	210	183	38		1082875
1-1/2	17	1019935	7.72	61	3.3	42	122	6.4	38	92	137	230	196	41		1082893
1-3/4	25	1019953	14.2	73	3.3	52	146	6.4	45	106	162	279	245	54		1082919
2	35	1019971	21.2	83	3.3	59	171	6.4	53	127	184	324	274	60		1082937
2-1/2	55	1019999	38.6	105	6.4	71	203	6.4	67	144	238	377	344	67		1082955
3	† 85	1020013	56.4	127	6.4	84	216	6.4	76	165	279	428	384	89		1084449

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.
† Individually Proof Tested with certification.

Lead Rolled Fatigue Rated TA TYPE APPROVED QUIC-CHECK® Q&T QUENCHED & TEMPERED MAXTOUGH® CE

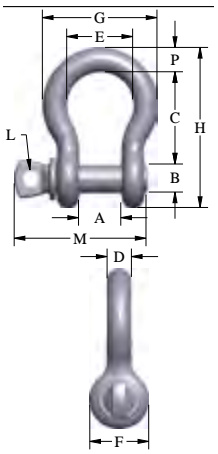
APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-209A
Grade 8



- Forged alloy steel, Quenched & Tempered, with alloy pins.
- Meets performance requirements of Grade 8 shackles.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Size 3/8 inch is mechanically galvanized.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- G-209A Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271H, Type IVA, Grade B, Class 2, except for those provisions required of the contractor.



G-209A Alloy Screw Anchor Pin Shackles

APPLICATION AND WARNING INFORMATION
SECTION 17

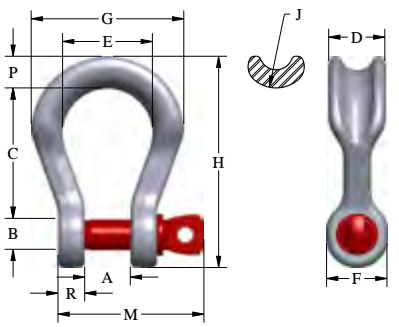
Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)														Replacement Screw Pin Stock No.
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	L	M	P		
3/8	2	1017450	.14	17	1.5	11	37	3.3	10	26	23	46	64	6	52	10		3.3
7/16	2.67	1017472	.17	19	1.5	13	43	3.3	11	30	27	52	74	8	60	11		3.3
1/2	3.33	1017494	.29	21	1.5	16	48	3.3	13	33	30	59	83	10	68	13		3.3
5/8	5	1017516	.63	27	1.5	19	60	3.3	16	43	38	74	106	11	85	18		3.3
3/4	7	1017538	1.02	32	1.5	22	71	6.4	19	51	46	89	126	13	101	21		6.4
7/8	9.5	1017560	1.53	37	1.5	25	84	6.4	22	58	53	103	148	13	114	25		6.4
1	12.5	1017582	2.41	43	1.5	30	96	6.4	25	68	60	119	167	14	130	27		6.4
1-1/8	15	1017604	3.31	46	1.5	32	108	6.4	30	74	68	131	190	16	152	32		6.4
1-1/4	18	1017626	4.31	52	1.5	36	119	6.4	33	83	76	146	210	18	165	35		6.4
1-3/8	21	1017648	6.01	57	3.3	40	133	6.4	36	92	84	162	233	19	176	38		6.4

4.5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit (metric tons) and 2.2 times the Working Load Limit (short tons).
For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

G-2169



- Quenched & Tempered for maximum strength.
- Forged alloy steel.
- Available in galvanized finish.
- Can be individually proof tested and magnetic particle inspected upon request. Crosby certification available at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-2169 Alloy Screw Pin Wide Body Shackles

APPLICATION AND WARNING INFORMATION
SECTION 17

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)															Replacement Screw Pin Stock No.
			A	B +/- .25	C	D +/- .02	E	F	G	H	J	K	L	M	P	R		
7	1021655	1.6	32	22	90	41	64	46	104	149	32	32	13	101	24	18		-
12 1/2	1021673	4.0	43	29	118	54	83	61	140	194	35	41	14	130	32	23		-
18	1021691	5.9	52	35	148	64	102	68	172	238	38	51	18	159	36	30		1083873

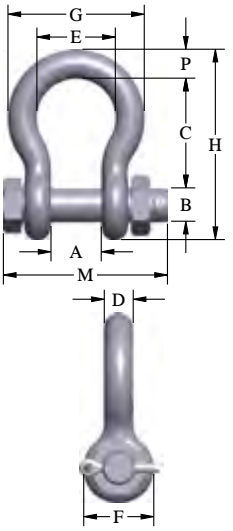
5:1 Design Factor. Proof Load is 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

G-2130A
Grade 8



- Forged alloy steel, Quenched & Tempered, with bow and bolt.
- Meets or exceeds all requirements of Grade 8 shackles.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, G-2130A meet other critical performance requirements, including impact properties, and material traceability not addressed by ASME B30.26.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification when requested at time of order.
- Type Approval and certification in accordance with DNV 2.7-1 offshore containers.
- Shackles are Quenched & Tempered and meet DNV impact requirements of 42 Joules (31 ft-lb) at -40° C (-40° F).
- G-2130A Bolt Type Anchor shackles with thin head bolt – nut with cotter pin. Meets the performance requirements of Federal Specification RR-C-271H, Type IVA, Grade B, Class 3, except for those provisions required of the contractor.



G-2130A Alloy Bolt Type Anchor Shackles Grade 8

Nominal Size (in)	Working Load Limit (t)*	Stock No.	Weight Each (kg)	Dimensions (mm)											
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	H	L	M	N
1/2	2	1219472	.36	21	1.5	16	48	3.3	13	33	30	83	59	71	13
5/8	3.25	1219491	.62	27	1.5	20	61	6.4	16	43	38	106	74	90	18
3/4	4.75	1219516	1.23	32	1.5	23	72	6.4	19	51	46	126	89	105	21
7/8	6.5	1219534	1.79	37	1.5	26	84	6.4	22	58	53	148	103	122	25
1	8.5	1219552	2.28	43	1.5	29	96	6.4	25	68	61	167	119	137	27
1-1/8	9.5	1219578	3.75	46	1.5	32	108	6.4	30	74	68	190	131	150	32
1-1/4	12	1219598	5.31	52	1.5	36	119	6.4	33	83	76	210	146	170	35
1-3/8	13.5	1219614	7.17	57	3.3	39	133	6.4	36	92	84	233	162	183	38
1-1/2	17	1219632	8.62	61	3.3	42	146	6.4	39	99	92	254	176	196	41

8:1 Design Factor. Maximum Proof Load is 2.5 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications..

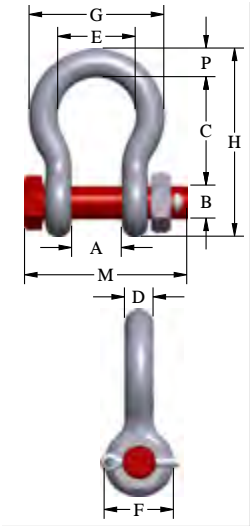
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

Crosby

G-2140





- Quenched & Tempered.
- Alloy bows, alloy bolts.
- Forged alloy steel 2 through 300 metric tons. Cast alloy steel 400 metric tons.
- Meets performance requirements of Grade 8 shackles.
- Working Load Limit is permanently shown on every shackle.
- 30, 40, 55, and 85 metric ton shackle bows are available galvanized (G) or self colored (S) with bolts that are galvanized and painted red.
- Size 3/8 inch is mechanically galvanized.
- 120, 150, 175 metric ton shackle bows are hot-dip galvanized; bolts are Dimetcoted and painted red.
- 200, 250, 300, 400 metric ton shackle bows are Dimetcoted; bolts are Dimetcoted and painted red.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Shackles are Quenched & Tempered and can meet DNV impact requirements of 42 Joules (31 ft-lb) at -20° C (-4° F).
- Shackles 200 metric tons and larger are provided as follows:
  - Serialized bolt and bow
  - Material certification (chemical)
  - Magnetic particle inspected.
  - Certification must be requested at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. 2140 shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Lifting Appliances. Certificates are available when requested at time of order and may include additional charges.
- G-2140 meets the performance requirements of Federal Specification RR-C-271H, Type IVA, Grade B, Class 3, except for those provisions required of the contractor. For additional information, see Warnings & Applications.
- Look for the Red Pin®... the mark of genuine Crosby quality.

G-2140 Alloy Bolt Type Anchor Shackles

Nominal Shackle Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)															Replacement Bolt Stock No. *
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	L	M	N	P	
3/8	2	1021015	.15	17	1.5	11	37	3.3	10	26	23	45	64	-	55	-	10	-
7/16	2 2/3	1021020	.22	19	1.5	13	43	3.3	11	30	27	52	74	-	64	-	11	-
1/2	3 1/2	1021029	.36	21	1.5	16	48	3.3	13	33	30	59	83	-	71	-	13	-
5/8	5	1021038	.76	27	1.5	20	61	3.3	16	43	38	74	106	-	90	-	18	-
3/4	7	1021047	1.23	32	1.5	23	71	6.4	19	51	46	89	126	-	105	-	21	-
7/8	9 1/2	1021056	1.79	37	1.5	26	84	6.4	22	58	53	103	148	-	122	-	25	-
1	12 1/2	1021065	2.57	43	1.5	29	96	6.4	25	68	61	119	167	-	137	-	27	-
1-1/8	15	1021074	3.75	46	1.5	32	108	6.4	30	74	68	131	190	-	150	-	32	1084382
1-1/4	18	1021083	5.31	52	1.5	36	119	6.4	33	83	76	146	210	-	170	-	35	1084391
1-3/8	21	1021092	7.17	57	3.3	39	133	6.4	36	92	84	162	233	-	183	-	38	1084400
1-1/2	30	1021110	8.53	61	3.3	42	146	6.4	39	99	92	176	254	-	196	-	41	1084409
1-3/4	40	1021138	15.3	73	3.3	52	178	6.4	47	127	106	224	313	-	245	-	57	1084418
2	55	1021156	22.6	83	3.3	59	197	6.4	53	146	122	258	348	-	274	-	61	1084427
2-1/2	85	1021174	46.7	105	6.4	71	267	6.4	69	184	148	324	455	-	344	-	80	1084436
3	120	1021192	73.5	127	6.4	84	330	6.4	79	200	165	371	546	-	384	-	92	1084445
3-1/2	† 150	1021218	122	133	6.4	96	372	6.4	92	229	203	432	632	102	432	46	111	1084454
4	† 175	1021236	144	140	6.4	108	368	6.4	102	254	229	457	652	102	457	46	116	1084463
4-3/4	† 200	1021234	209	184	6.4	121	386	6.4	121	279	267	516	712	102	611	46	127	1087552
5	† 250	1021243	276	216	4.0	127	470	1.8	127	330	305	600	829	102	632	46	143	1087561
6	† 300	1021252	362	213	4.0	153	475	1.8	149	330	330	629	871	102	666	46	154	1087570
7*	† 400	1021478	585	210	6.4	178	572	6.4	152	330	356	660	1022	102	753	46	184	1020068

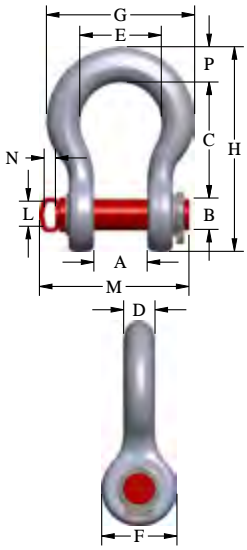
4.5:1 Design Factor for sizes 2 through 21 metric tons, 5.4:1 Design Factor for sizes 30 through 175 metric tons. 4:1 Design Factor for 200 through 400 metric tons. Maximum Proof Load is 2 times the Working Load Limit. *Cast alloy steel.†Furnished with round head bolts with a handle. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-2140E





- Quenched & Tempered.
- Alloy bows, alloy bolts.
- Meets performance requirements of Grade 8 shackles.
- Working Load Limit is permanently shown on every shackle.
- 200, 250, and 300 metric ton shackle bows are Dimetcoted®; Pins are Dimetcoted and painted red.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Shackles are Quenched & Tempered and can meet DNV impact requirements of 42 Joules (31 ft-lb) at -20° C (-4° F).
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Shackles are provided as follows:
  - Serialized bolt and bow
  - Material certification (chemical)
  - Magnetic particle inspected
  - Certification must be requested at time of order
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Lifting Appliances. Certificates available when requested at time of order and may include additional charges.
- G-2140E meets the performance requirements of Federal Specification RR-C-271H, Type IVA, Grade B, Class 3, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.

G-2140E Alloy Easy-Loc Shackles

Nominal Shackle Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)													
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	G	H	L	M	N	P
4-3/4	200	1021475	208	184	6.4	121	386	6.4	121	279	267	516	712	102	584	46	127
5	250	1021484	271	216	6.4	127	470	6.4	127	330	305	600	829	102	606	46	143
6	300	1021493	359	213	6.4	152	475	6.4	149	330	330	629	871	102	635	46	154

Nominal Shackle Size (in)	Working Load Limit (t)	Stock No.	Replacement Bolt Stock No.	Replacement EZ-Loc Collar Stock No.
4-3/4	200	1021475	1087603	1025837
5	250	1021484	1087612	1025837
6	300	1021493	1087621	1025855

4:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

APPLICATION AND WARNING INFORMATION
SECTION 17

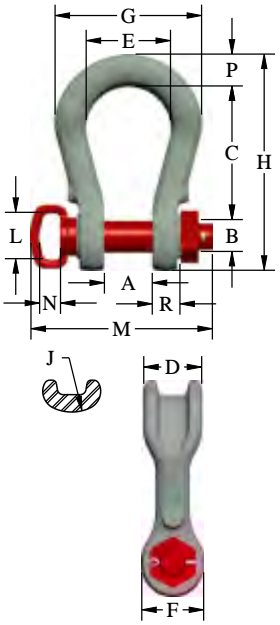
© 2025 Kito Crosby. All Rights Reserved.

Crosby

G-2160



- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
- Increases usable sling strength a minimum of 15% and greatly improves life of wire rope slings.
- Can be used to connect synthetic web slings, synthetic round slings or wire rope slings.
- All sizes Quenched & Tempered for maximum strength.
- Forged alloy steel from 7 through 300 metric tons.
- Cast alloy steel from 400 through 2000 metric tons.
- Proof tested as follows:
  - 7 through 75 metric tons and 200 through 300 metric tons: 2 x WLL
  - 125 metric tons: 1.6 x WLL
  - 400 metric tons to 800t : 2 x WLL
  - 1000 metric tons to 2000t: 1.5 x WLL
- All ratings are in metric tons, embossed on side of bow.
- G-2160, (7 through 55t), are hot-dip galvanized and pins are painted red.
- G-2160 (75t and larger), bows are furnished Dimetcoted; Pins are Dimetcoted, then painted red.



- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Bow and bolt are certified to meet Charpy impact testing of 42 Joules (31 ft-lb) min. avg. at -20° C (-4° F).
- All 2160 shackles are individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Shackles requiring ABS, Lloyds and other certifications are available upon special request and must be specified at time of order.
- Type approved and certification to DNV Rules for Certification of Lifting Appliances, and are produced in accordance with DNV MSA requirements. Databook is provided that includes required documents.
  - Serialization / Identification
  - Material Testing (physical / chemical / Charpy)
  - Proof Testing
- Look for the Red Pin®... the mark of genuine Crosby quality.
- All Crosby 2160 shackles are capable of inline bow to bow assembly.

G-2160 Wide Body Shackles

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)														Effective Body Diameter	Replacement Bolt Stock No.
			A	B	C	D	E	F	G	H	J	L	M	N	P	R		
7	1021256	1.81	32	22	90	41	64	46	104	149	32	–	105	–	24	18	53	–
12 1/2	1021265	3.99	43	29	118	54	83	61	140	194	35	–	137	–	32	23	61	–
18	1021274	6.76	52	35	148	64	102	68	172	238	38	–	170	–	36	30	71	1083349
30	1021276	11.9	70	41	176	80	127	89	216	289	64	–	206	–	45	35	104	1089522
40	1021278	21.2	86	51	205	95	152	102	270	346	45	–	259	–	59	43	91	1089523
55	1021287	30.8	83	57	238	114	178	118	311	397	51	–	263	–	67	51	109	1083375
75	1022101	50.8	105	70	293	127	185	136	321	474	95	102	382	46	70	61	160	1089524
125	1022110	87.5	130	80	365	150	220	165	393	584	95	102	465	46	89	79	173	1089533
200	1022118	191	150	105	480	217	275	214	515	773	133	102	491	46	125	86	241	1089542
300	1022127	365	187	133	600	264	321	267	608	957	156	102	574	46	147	109	290	1089551
400	1021336	535	220	160	620	360	375	314	668	1062	183	–	780	–	205	150	363	1511032
500	1021345	796	250	180	685	435	455	340	792	1190	222	–	863	–	245	164	439	1511033
600	1021354	1002	275	200	740	475	489	375	816	1292	243	–	938	–	265	182	480	1511034
800	1021363	1535	342	230	820	536	554	440	904	1462	272	–	1078	–	307	212	541	1511037
1000	1021381	2263	404	270	850	610	640	500	1116	1584	338	–	1187	–	349	233	643	1511021
1250	1021390	3085	442	300	928	675	708	570	1259	1749	371	–	1322	–	386	249	709	1511027
1550	1021399	3802	470	320	1010	720	755	615	1314	1891	397	–	1427	–	413	290	757	1511028
2000	1021408	5383	520	385	1140	770	810	680	1412	2120	431	–	1597	–	447	323	815	1511029

5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit on 7 through 300 metric tons (except for 125 metric tons which is proof tested to 1.6 times the Working Load Limit). Maximum customer Proof Load is 1.5 times the Working Load Limit on 400 through 2000 metric tons (available on customer request at time of order 2xWLL).

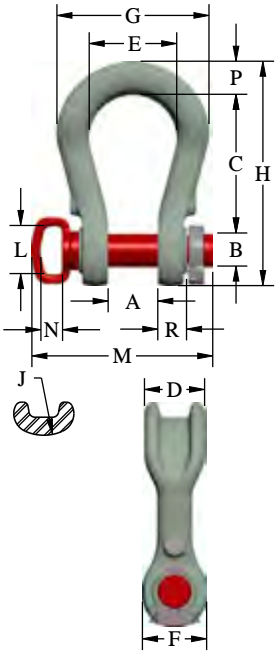
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-2160E



- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
- Increases usable sling strength a minimum of 15% and greatly improves life of wire rope slings.
- Can be used to connect synthetic web slings, synthetic round slings or wire rope slings.
- All sizes Quenched & Tempered for maximum strength.
- Forged alloy steel from 75 through 300 metric tons.
- Cast alloy steel from 400 through 600 metric tons.
- Proof tested as follows:
  - 75 metric tons and 200-300 metric tons: 2 x WLL
  - 125 metric tons: 1.6 x WLL
  - 400-600 metric tons and higher: 2 x WLL
- All ratings are in metric tons, embossed on side of bow.
- G-2160E, (75t and larger), bows are furnished Dimetcoted, and pins are Dimetcoted, then painted red.
- Approved for use at -40° C (-40° F) to 204 degrees C (400° F).
- Bow and bolt are certified to meet Charpy impact testing of 42 Joules (31 ft-lb) min. avg. at -20° C (-4 degrees F).



- All 2160E shackles are individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Shackles requiring ABS, Lloyds and other certifications are available upon special request and must be specified at time of order.
- Shackles have DNV Type Approval to Rules for Certification of Lifting Appliances, and are produced in accordance with DNV MSA requirements. Databook is provided that includes required documents.
  - Serialization / Identification
  - Material Testing (physical / chemical / Charpy)
  - Proof Testing
- Look for the Red Pin®... the mark of genuine Crosby quality.

G-2160E Easy-Loc Wide Body Shackles

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)													Effective Body Diameter
			A	B	C	D	E	F	G	H	J	M	N	P	R	
75	1021500	49.9	105	70	293	127	185	136	321	474	95	382	46	70	61	160
125	1021509	86.2	130	80	365	150	220	165	393	584	95	450	46	89	79	173
200	1021518	185	150	105	480	217	275	214	515	773	133	491	46	125	86	241
300	1021527	357	187	133	600	264	321	267	608	953	156	574	46	147	109	290
400	1021337	524	220	160	620	360	375	314	666	1062	183	770	–	205	150	362
500	1021346	779	250	180	685	435	455	340	792	1190	222	835	–	245	164	439
600	1021355	979	275	200	740	475	489	375	816	1292	243	938	–	265	182	480

Working Load Limit (t)	Stock No.	Replacement Bolt Stock No.	Replacement EZ-LOC Collar Stock No.
75	1021500	1089705	1025800
125	1021509	1089714	1025819
200	1021518	1089723	1025828
300	1021527	1089732	1025837
400	1021337	1511039	1025855
500	1021346	1511040	1025864
600	1021355	1511041	1025864

5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit on 75 through 300 metric tons (except for 125 metric tons which is proof tested to 1.6 times the Working Load Limit). Maximum customer Proof Load is 1.5 times the Working Load Limit on 400 through 600 metric tons (available on customer request at time of order 2xWLL).

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

Shackle Bolt Securement

MADE EASY

The patented Easy-Loc V2™ shackle bolt securement system will change the way you make your critical lifts.



1 Open collar



2 Push collar onto bolt



3 Close collar

Wide opening ergonomic grip provides easy access for all hand sizes

316 stainless steel design resists corrosion

The new Easy-Loc V2™ can be retrofitted on all original Crosby Easy-Loc® Shackles

No cotter pin or tools required

- No cotter pins or tools required, reducing install/release time up to 90%.
- Meets all industry standards.
- Up to 60% lighter than conventional nut and cotter pin design.



Watch video: **kitocrosby.com/easy-loc**

Crosby®

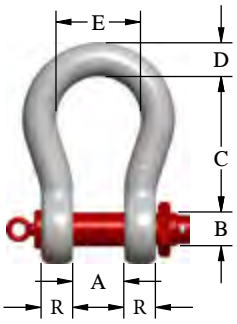
kitocrosby.com

© 2025 Kito Crosby All Rights Reserved

S-2135 / S-2145



- Trusted Crosby quality.
- Embossed Angle Indicators included.
- Meets performance requirements of Grade 8 shackles.
- 5:1 Design Factor.
- Individually proof loaded to 2 times the Working Load Limit.
- S-2135 and S-2145 shackles are available with aluminum paint and are not galvanized.
- Operating temperature range -20° C (-4° F) to 200° C (392° F) for S-2135 and S-2145.
- Material inspection certificate Type 3.1 according to EN 10204.
- DNV type approved: DNVGL-ST-0377 and DNVGL-ST-0378.
- Meets performance requirements of federal specification RR-C-271H, except for those provisions required of the contractor.
- Meets or exceeds all requirements of ASME B30.26.
- S-2135CT COLD TUFF® available in 85t with an operating temperature range of -60°C (-76°F) up to +200°C (392°F).
- DNV witness proof testing available on request for all sizes and models.
- Magnetic Particle Inspection available on request for all sizes and models.
- Look for the Red Pin®... the mark of genuine Crosby quality.





S-2135 / S-2145 Bolt Type Anchor Shackles

Frame Size (in)	Working Load Limit (t)	Stock No	Weight (kg)	Dimensions (mm)							
				A	+/- 0	B	C	D	R	E	F
S-2135											
3	85	1205009	77	127	+6 / -0	83	330	85	80	190	162
3 1/2	120	1205018	114	144	+6 / -0	95	380	95	89	238	200
4	150	1205027	161	165	+8 / -0	108	385	105	100	275	230
4 3/4	200	1205036	238	180	+8 / -0	125	450	120	110	280	270
5	250	1205045	304	205	+10 / -0	140	520	130	115	305	290
6	300	1205054	365	205	+10 / -0	150	530	140	120	305	315
7	400	1205063	597	230	+10 / -0	175	575	160	160	325	365
7 1/4	500	1205234	729	250	+12 / -0	185	650	180	160	350	385
8	600	1205243	961	275	+13 / -0	205	650	200	185	375	430
8 1/4	700	1205252	1082	300	+15 / -0	215	650	210	200	400	440
8 1/2	800	1205261	1097	300	+15 / -0	220	650	210	200	400	450
9 1/2	1000	1205270	1464	340	+17 / -0	240	700	240	240	420	500
10	1250	1205279	1940	360	+18 / -0	270	750	260	225	450	570
11	1500	1205288	2309	360	+18 / -0	290	800	280	225	450	610
S-2135 CT											
3	85	1205099	77	127	+6 / -0	83	330	85	80	190	162
S-2145											
3	120	1205072	77	127	+6 / -0	83	330	85	80	190	162
3 1/2	150	1205081	114	144	+6 / -0	95	380	95	89	238	200
4	175	1205090	161	165	+8 / -0	108	385	105	100	275	230

Maximum Proof Load is 2.0 times the Working Load Limit.

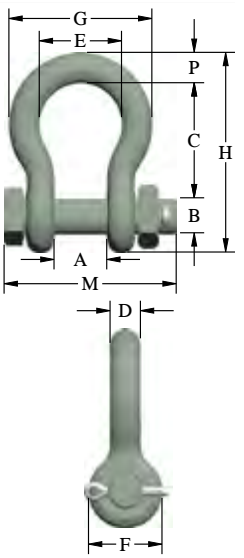
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-2130CT / G-2140CT



- Forged, Quenched & Tempered, with alloy bolt.
  - G-2130CT - carbon steel
  - G-2140CT - alloy steel
- Working Load Limit permanently shown on every shackle.
- Individually serialized with certification.
- Fatigue Rated (G-2130CT only).
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Finish is inorganic zinc primer.
- Bow and bolt are certified to meet Charpy impact testing of 42 Joules (31 ft-lb) min. avg. at -20° C (-4° F).
- Individually magnetic particle inspected with certification.
- Type Approval and certification in accordance with DNV 2.7-1 Offshore Containers, and Rules for Certification of Lifting Appliances, DNV-OS-E101 and are produced in accordance with DNV MSA requirements, including required documents.
- DNV certified minimum design temperature -4° F. May be used at -50° F (-45° C) in non DNV applications.
- Meets the performance requirements of Federal Specification RR-C-271H Type IVA:
  - G-2130CT - Grade A, Class 3, except for those provisions required of the contractor.
  - G-2140CT - Grade B, Class 3, except for those provisions required of the contractor.



G-2130CT COLD TUFF® Bolt Type Anchor Shackles

Nominal Shackle Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												
				A	Tol. A ±	B	C	Tol. C ±	D	E	F	H	G	M	P
3/4	4 3/4	1260568	1.23	32	1.5	23	71	6.4	19	51	46	126	89	105	21
7/8	6 1/2	1260577	1.76	37	1.5	26	84	6.4	22	58	53	148	103	122	25
1	8 1/2	1260586	2.57	43	1.5	29	96	6.4	25	68	61	167	119	137	27
1-1/8	9 1/2	1260595	3.75	46	1.5	32	108	6.4	30	74	68	190	131	150	32
1-1/4	12	1260604	5.31	52	1.5	36	119	6.4	33	83	76	210	146	170	35
1-3/8	13 1/2	1260613	6.85	57	3.3	39	133	6.4	36	92	84	233	162	183	38
1-1/2	17	1260622	9.43	61	3.3	42	146	6.4	39	99	92	254	176	196	41
1-3/4	25	1260633	15.4	73	3.3	52	178	6.4	47	127	106	313	224	245	57

5.4:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

G-2140CT COLD TUFF® Alloy Bolt Type Anchor Shackles

Nominal Shackle Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)											
				A	A	B	C	C	D	E	F	H	G	M	P
1-1/2	30	1260801	9.43	61	3.3	42	146	6.4	39	99	92	254	176	196	41
1-3/4	40	1260812	15.4	73	3.3	52	178	6.4	47	127	106	313	224	245	57
2	55	1260823	23.6	83	3.3	59	197	6.4	53	146	122	348	258	274	61
2-1/2	85	1260834	43.5	105	6.4	71	267	6.4	69	184	148	455	324	344	80
3	120	1260843	80.7	127	6.4	84	330	6.4	79	200	165	546	371	384	92
3-1/2	† 150	1260852	120	133	6.4	96	372	6.4	92	229	203	632	432	432	111
4	† 175	1260861	153	140	6.4	108	368	6.4	102	254	229	652	457	457	116
4-3/4	† 200	1260870	204	184	6.4	121	386	6.4	121	279	267	712	516	611	127
5	† 250	1260889	272	216	6.4	127	470	6.4	127	330	305	829	600	632	143

5.4:1 Design Factor on 30t through 175 metric tons. 4:1 Design Factor on 200 metric tons and larger. Maximum Proof Load is 2 times the Working Load Limit for all sizes.

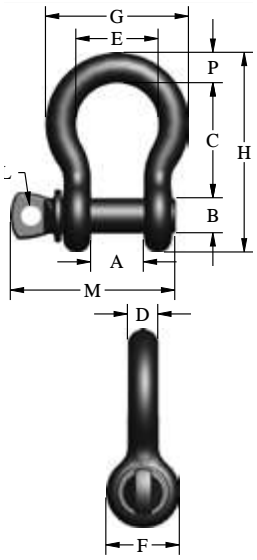
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

S-209T



- Flat black baked on powder coat finish.
- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Industry leading 6 to 1 Design Factor.
- Screw pin anchor shackles meet the performance requirement of Federal Specification RR-C-271H, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.
- Meets the performance requirements of EN 13889.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



S-209T Theatrical Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												
				A	A	B	C	C	D	E	F	G	H	L	M	P
3/8	1	1018706	.14	17	1.5	11	37	3.3	10	26	23	46	64	6	52	10
7/16	1 1/2	1018724	.17	19	1.5	13	43	3.3	11	30	27	52	74	8	60	11
1/2	2	1018742	.33	21	1.5	16	48	3.3	13	33	30	59	83	10	68	13
5/8	3 1/4	1018760	.62	27	1.5	19	60	6.4	16	43	38	74	106	11	85	18
3/4	4 3/4	1018778	1.07	32	1.5	22	71	6.4	19	51	46	89	126	13	101	21

Maximum Proof Load is 2.0 times the Working Load Limit.

Lead Rated® Fatigue Rated® QUIC-CHECK® Q&T MAXTOUGH®

APPLICATION AND WARNING INFORMATION
SECTION 17



© 2025 Kito Crosby. All Rights Reserved.



QUIC-TAG™

Crosby®

Easy-to-secure Crosby RFID tags

Industry standards require periodic performance inspections to make sure lifting equipment is performing to specified levels.

The Crosby QUIC-TAG™ makes the inspection process more efficient, and its unique design can be retrofitted on numerous products.

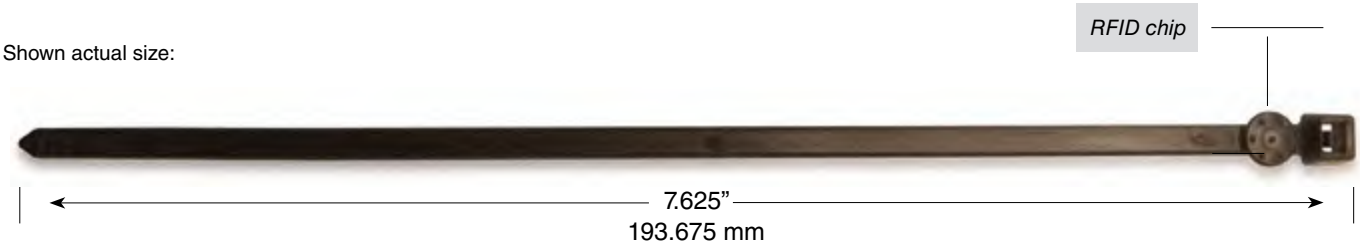
- Easy, fast, and secure attachment
- Engineered for extreme durability and strength with a low profile design
- Resistant to harsh environmental conditions including exposure to UV rays, water chemical exposure and temperatures up to 185˚F (85˚C)
- Compatible with the Crosby QUIC-CHECK® Inspection and Identification System
- 13.5 MHz operating frequency
- The most cost effective RFID tag offered by Kito Crosby



QUIC-CHECK®

RFID EQUIPPED Crosby

Shown actual size:



© 2025 Kito Crosby. All Rights Reserved.

Feel confident in every situation

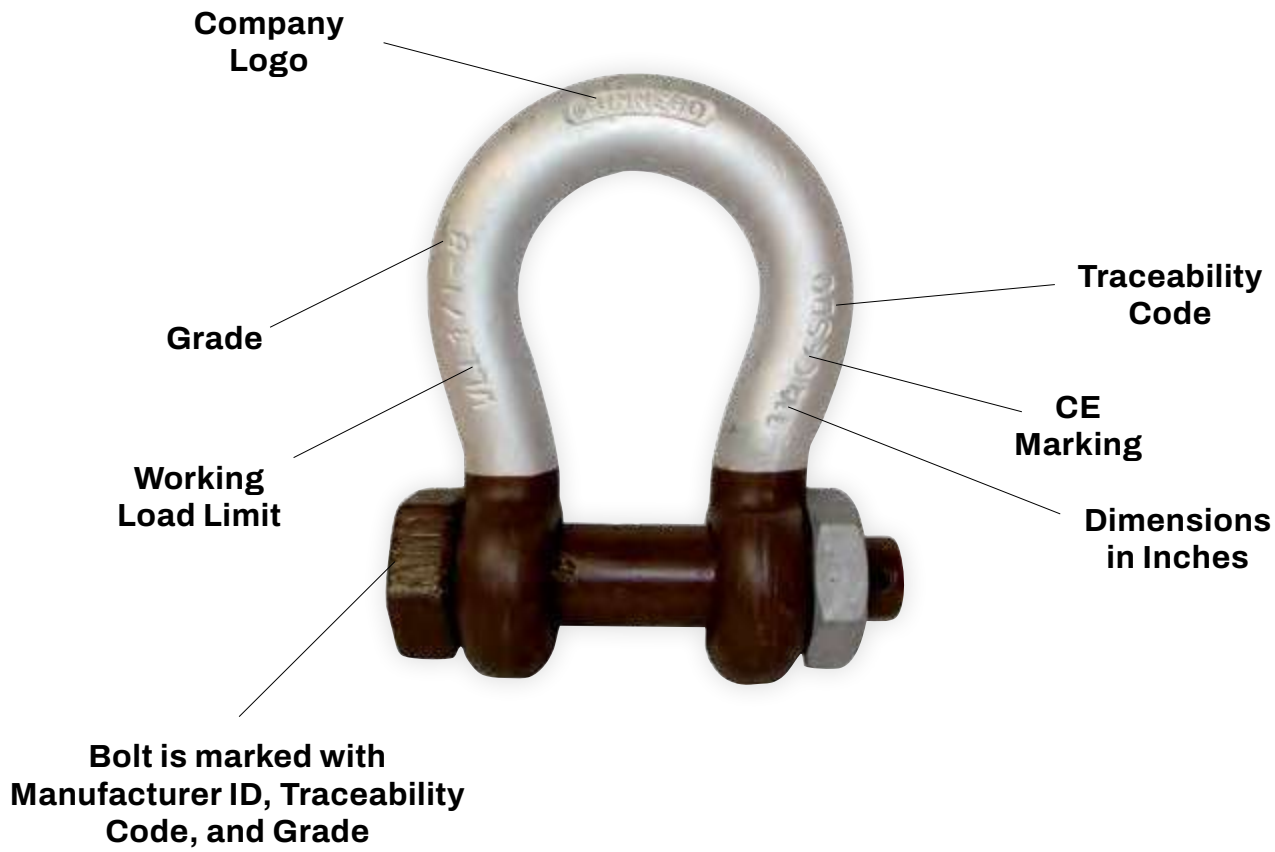
Gunnebo Industries shackles are made from a range of steel qualities, including acid proof stainless steel and high-grade alloy steel to comply with the most stringent specifications. Our factories comprise all facilities and systems for the manufacturing and control of a top-quality product. This includes tool design, an advanced tool shop, forging, heat treatment, machining, hot-dip galvanizing and quality control.

We offer a range of DNV 2.7-1 Type Approved lifting shackles for offshore containers, developed for the tough conditions of the offshore industry, where safety must be of the highest priority at all times. The heat treatment of these products ensures the proper ductility and strength to sustain shock loads which may be imposed when the container is lifted from the deck of a vessel.

Make sure you have the original

- High quality shackles acc. EN 13889 and US Fed. Spec RR-C. 271 (Grade A and Grade B)
- Consistent product quality
- Long experience of shackle production using modern manufacturing methods
- Local availability of expertise

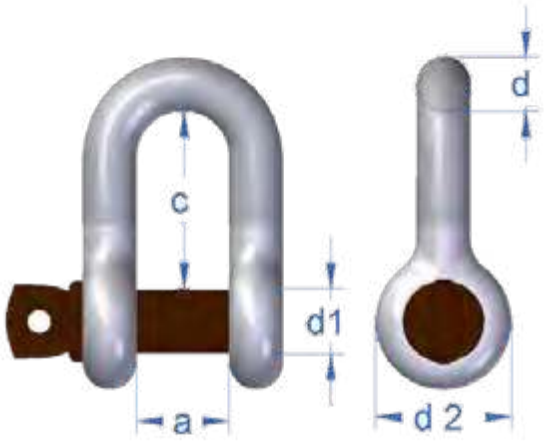
To ensure you have a genuine Gunnebo Industries shackle, it should be marked as below:



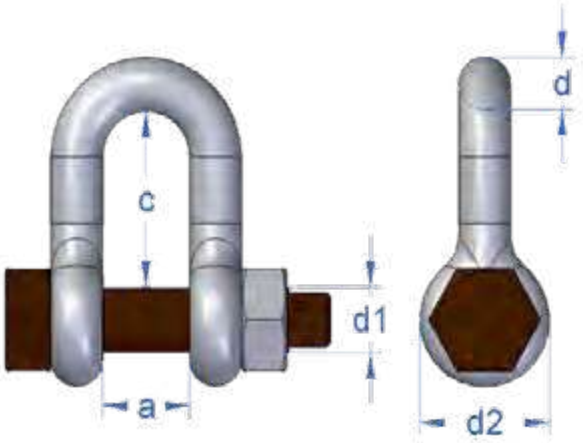
© 2025 Kito Crosby. All Rights Reserved.

Dee Shackle No 834 and No 835

Standard: DNV 2.7-1 Type Approved, EN 13889 and US Federal Spec. RR-C-271
Material: High tensile carbon steel, Quenched & Tempered, Grade 6
Finish: All parts hot-dip galvanized, pin brown painted on top of galvanized.
Design Factor: 6:1
Documentation: Test certificate and traceable raw material / inspection certificate acc. EN 10204 - 3.1.
DNVGL-ST-E271-2.7-1 and E273-2.7-3 Type Approval Certification.
Temperature: - 40°C to 200°C



Shackle No 834 with screw pin



Shackle No 835 with safety bolt

CE

834 Screw Pin Stock No.	835 Safety Bolt Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d		Inner Width a* (mm)	Inner Length c* (mm)	Eye Outer d2 (mm)	834 Screw Pin Weight (kg)	835 Safety Bolt Weight (kg)
				(mm)	(in)					
A083416	A083516	3.25	19	16	5/8”	27	51	40	0.55	0.60
A083419	A083519	4.75	22	19	3/4”	31	60	48	1.00	1.10
A083422	A083522	6.5	25	22	7/8”	37	71	52	1.30	1.50
A083425	A083525	8.5	28	25	1”	43	81	60	1.90	2.20
A083428	A083528	9.5	32	28	1 1/8”	46	90	64	2.80	3.10
A083432	A083532	12.0	35	32	1 1/4”	52	100	72	3.60	4.20
A083435	A083535	13.5	38	35	1 3/8”	57	111	76	4.60	5.60
A083438	A083538	17.0	42	38	1 1/2”	60	122	84	6.50	7.50
A083445	A083545	25.0	50	45	1 3/4”	74	149	105	11.50	13.00

* Forging tolerance: +/- 5% on inside width/length.

Split pin included

© 2025 Kito Crosby. All Rights Reserved.

Bow Shackle No 854 and No 855

Standard: DNV 2.7-1 Type Approved, EN 13889 and US Federal Spec. RR-C-271

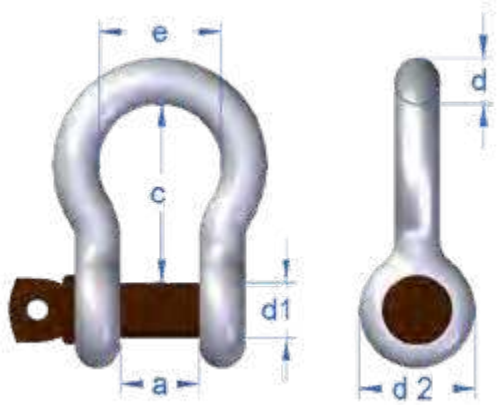
Material: High tensile carbon steel, Quenched & Tempered, Grade 6

Finish: All parts hot-dip galvanized, brown painted bolts on top of galvanized.

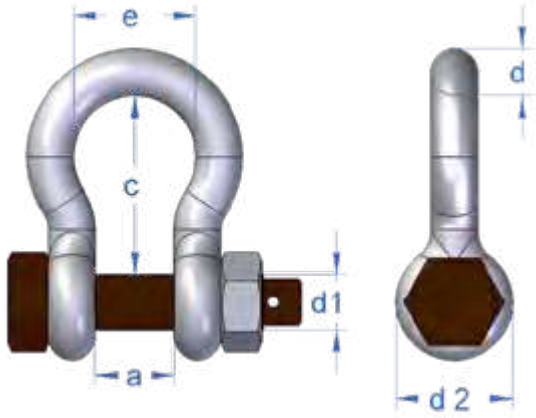
Design Factor: 6:1

Documentation: Test certificate and traceable raw material / inspection certificate acc. EN 10204 - 3.1. DNVGL-ST-E271-2.7-1 and E273-2.7-3 Type Approval Certification.

Temperature: - 40°C to 200°C



Shackle No 854 with screw pin



Shackle No 855 with safety bolt

CE

854 Screw Pin Stock No.	855 Safety Bolt Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d		Inner Width a* (mm)	Inner Length c* (mm)	Bow Width e (mm)	Eye Outer d2 (mm)	854 Screw Pin Weight (kg)	855 Safety Bolt Weight (kg)
				(mm)	(in)						
A085413	A085513	2.0	16	13	1/2”	21	47	33	33	0.37	0.42
A085416	A085516	3.25	19	16	5/8”	27	60	42	40	0.65	0.70
A085419	A085519	4.75	22	19	3/4”	31	71	49	48	1.10	1.20
A085422	A085522	6.5	25	22	7/8”	37	84	60	52	1.50	1.70
A085425	A085525	8.5	28	25	1”	43	95	68	60	2.21	2.58
A085428	A085528	9.5	32	28	1 1/8”	46	108	74	64	3.10	3.40
A085432	A085532	12.0	35	32	1 1/4”	52	119	83	72	4.20	4.80
A085435	A085535	13.5	38	35	1 3/8”	57	132	89	76	6.00	7.00
A085438	A085538	17.0	42	38	1 1/2”	60	146	98	84	8.00	9.00
A085445	A085545	25.0	50	45	1 3/4”	74	178	127	105	13.50	15.00
A085452	A085552	35.0	57	50	2”	83	197	138	112	19.00	21.00
A085464	A085564	55.0	70	65	2 1/2”	105	260	180	145	38.00	39.00

Split pin included

© 2025 Kito Crosby. All Rights Reserved.

Arctic Shackle No 856

Bow shackle with safety bolt



Unique benefits with the Arctic Shackle

Adverse weather and rough sea conditions in combination with extremely low temperatures, as often encountered for instance in the North Sea, places tough requirements on the products used. 856 Arctic shackles are specially designed for these conditions. The Arctic Shackle is type approved to DNV 2.7-1 Offshore containers and meets the impact requirements of 42 J at – 40 degrees ºC.

The Arctic Shackle is a grade 8 shackle with all parts hot-dip galvanized, including the safety bolt, and has the characteristic brown color marking.

Standard: DNV 2.7-1, US Federal Spec. RR.C-271 and EN-13889

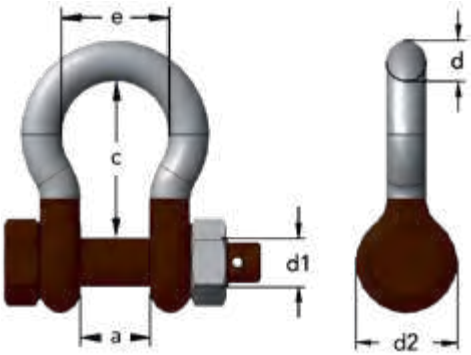
Material: Special alloy steel, Quenched & Tempered, Grade 8

Finish: All parts hot-dip galvanized + brown color marking

Design Factor: As specified in the table below

Documentation: Test certificate and traceable raw material / inspection certificate acc. EN 10204 - 3.1. DNVGL-ST-E271-2.7-1 and E273-2.7-3 Type Approval Certification.

Temperature: - 40°C to 200°C



CE

Stock No.	WLL (t)	Design Factor	Pin d1 (mm)	Nominal Size d		Inner Width a (mm)	Inner Length c (mm)	Eye Outer e (mm)	Bow Width d2 (mm)	Weight (kg)
				(mm)	(in)					
A085613	2.0	8.00	16	13	1/2”	21	47	33	33	0.42
A085616	3.25	8.00	19	16	5/8”	27	60	42	40	0.7
A085619	4.75	8.00	22	19	3/4”	31	71	49	48	1.2
A085622	6.5	7.85	25	22	7/8”	37	84	60	52	1.7
A085625	8.5	7.25	28	25	1”	43	95	68	60	2.5
A085628	9.5	6.94	32	28	1 1/8”	46	108	74	64	3.4
A085632	12.0	6.40	35	32	1 1/4”	52	119	83	72	4.8
A085635	13.5	6.10	38	35	1 3/8”	57	132	89	76	7
A085638	17.0	6.00	42	38	1 1/2”	60	146	98	84	9
A085645	25.0	6.00	50	45	1 3/4”	74	178	127	105	15
A085652	35.0	6.00	57	50	2”	83	197	138	116	21
A085664	55.0	6.00	70	65	2 1/2”	105	260	180	145	39

Split pin included

© 2025 Kito Crosby. All Rights Reserved.

Super Shackle No 858

Bow shackle with safety bolt

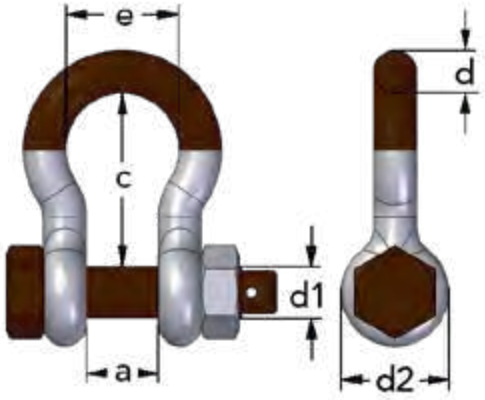


Unique Benefits with The Super Shackle

In certain situations a demand for extra Working Load Limit occurs in others the lifting environment has limited space for the lifting application. The 858 Super Shackle enables a higher working load limit for the same nominal size.

The Super shackle meets the US Federal Specification RR.C-271. It is a grade 8 shackle and has all parts hot dipped galvanized, including the safety bolt.

Standard:	US Federal Spec. RR.C-271 Type IVA Class 3, Grade B
Material:	High tensile steel. Quenched & Tempered, Grade 8
Finish:	All parts hot-dip galvanized + brown color marking
Design Factor:	5:1
Documentation:	Test certificate and traceable 3.1 certificate
Temperature:	-40°C to 200°C



CE

Stock No.	WLL (t) 5:1	Pin d1 (mm)	Nominal Size d		Inner Width a (mm)	Inner Length c (mm)	Bow Width e (mm)	Eye Outer d2 (mm)	Weight (kg)
			(mm)	(in)					
A085813	3.3	16	13	1/2”	21	51	33	33	0.4
A085816	5.0	19	16	5/8”	27	60	42	40	0.7
A085819	7.0	22	19	3/4”	31	71	49	48	1.2
A085822	9.5	25	22	7/8”	37	84	60	52	1.7
A085825	12.5	28	25	1”	43	95	68	60	2.5
A085828	15.0	32	28	1 1/8”	46	108	74	64	3.4
A085832	18.0	35	32	1 1/4”	52	119	83	72	4.8
A085835	21.0	38	35	1 3/8”	57	132	89	76	7
A085838	30.0	42	38	1 1/2”	60	146	98	84	8.8
A085845	40.0	50	45	1 3/4”	74	178	127	105	15

Split pin included

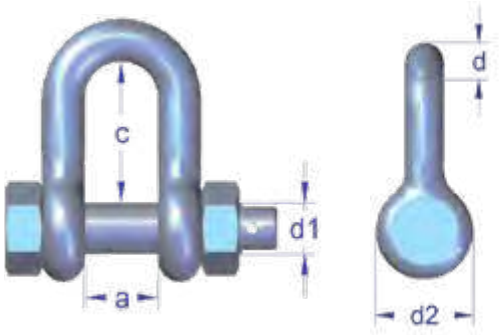
© 2025 Kito Crosby. All Rights Reserved.

GUNNEBO Industries

Stainless Steel Shackle No 735 Dee shackle with safety bolt

Material: AISI 316
Finish: Highly polished
Design Factor: 6:1
Documentation: Test certificate and traceable 3.1 certificate supplied upon request.

CE



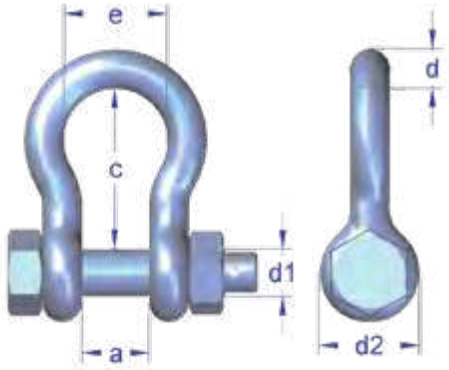
Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Eye Outer d2 (mm)	Weight (kg)
A073510	0.6	10	10	20	40	20	0.2
A073512	0.9	12	12	26	50	24	0.3
A073516	1.5	16	13	24	52	33	0.4
A073520	2.5	20	16	28	65	40	0.7
A073522	3.0	22	19	31	60	48	1.5
A073524	4.5	24	22	37	71	52	1.3
A073533	7.5	33	28	46	90	64	3.0
A073536	10.0	36	32	52	100	72	4.1

Split pin included

Stainless Steel Shackle No 755 Bow shackle with safety bolt

Material: AISI 316
Finish: Highly polished
Design Factor: 6:1
Documentation: Test certificate and traceable 3.1 certificate supplied upon request.

CE



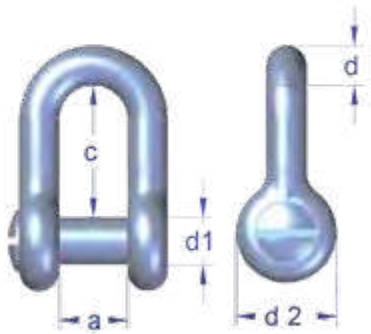
Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Bow Width e (mm)	Eye Outer d2 (mm)	Weight (kg)
A075510	0.6	10	10	20	40	27	20	0.2
A075512	0.9	12	12	25	47	37	26	0.3
A075516	1.5	16	13	25	47	33	34	0.4
A075520	2.5	20	16	28	60	42	40	0.8
A075522	3.0	22	19	31	71	51	48	1.3
A075524	4.5	25	22	37	84	58	52	1.7
A075533	7.5	32	28	46	108	74	64	3.4
A075536	10.0	35	32	52	119	83	72	5.2

Split pin included

Stainless Steel Shackle No 732 Dee shackle with countersunk pin

Material: AISI 316
Finish: Highly polished
Design Factor: 6:1
Documentation: Test certificate supplied upon request.

CE

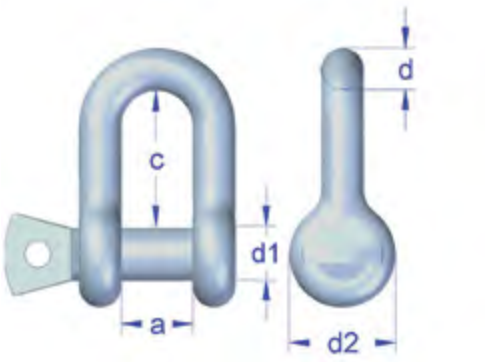


Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Eye Outer d2 (mm)	Weight (kg)
A073216	2.0	M16	13	24	52	34	0.3
A073220	3.0	M20	16	28	65	40	0.6
A073222	3.0	M22	19	31	60	48	1.4

© 2025 Kito Crosby. All Rights Reserved.

Stainless Steel Shackle No 730 Dee shackle with screw pin

Material: AISI 316
Finish: Highly polished
Design Factor: 6:1
Documentation: Test certificate supplied upon request.

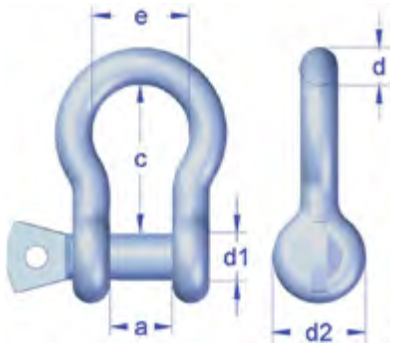


CE

Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Eye Outer d2 (mm)	Weight (kg)
A073008S	0.4	M8	8	16	30	16	0.06
A073010S	0.6	M10	10	20	40	20	0.1
A073012S	0.9	M12	12	26	50	24	0.2
A073016S	1.5	M16	13	24	52	34	0.3
A073020S	2.5	M20	16	28	65	40	0.6
A073022S	3.0	M22	19	30	72	48	0.9

Stainless Steel Shackle No 750 Bow shackle with screw pin

Material: AISI 316
Finish: Highly polished
Design Factor: 6:1
Documentation: Test certificate supplied upon request.

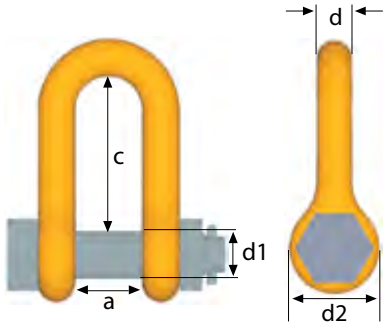


CE

Stock No.	WLL (t) 6:1	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Bow Width e (mm)	Eye Outer d2 (mm)	Weight (kg)
A075008S	0.4	M8	8	16	30	23	16	0.07
A075010S	0.6	M10	10	20	40	27	20	0.11
A075012S	0.9	M12	12	25	47	37	26	0.25
A075016S	1.5	M16	13	25	47	34	33	0.33
A075020S	2.5	M20	16	28	60	42	40	0.96
A075022S	3.0	M22	19	31	71	51	48	1.0

Shackle SA Grade 8

Material: Alloy steel
Finish: Painted yellow
Design Factor: 4:1



CE

Stock No.	Code	WLL (t) 4:1	For Chain Size (mm)	Pin d1 (mm)	Nominal Size d (mm)	Inner Width a (mm)	Inner Length c (mm)	Eye Outer d2 (mm)	Weight (kg)
Z100706	SA-7/8-8	2.0	7, 8	M10	8	15	30	20	0.1
Z298728	SA-10-8	3.2	10	M16	13	24	52	34	0.4
Z292528	SA-13-8	5.4	13	M20	16	28	65	40	0.7
Z293024	SA-16-8	8.2	16	M22	18	30	72	46	1
Z299622	SA-19-8	11.5	19	M27	22	36	86	52	1.7
Z294122	SA-22-8	15.5	22	M30	25	40	94	60	2.5
Z304328	SA-26-8	21.7	26	M38	32	48	116	76	5.2

Split pin included

© 2025 Kito Crosby. All Rights Reserved.



Trusted for safety, performance & durability

Powered chain and wire rope hoists, lever hoists, manual hand chain hoists, trolleys, cranes, below-the-hook devices, and material handling equipment—all backed by unmatched service and support.
kitocrosby.com/kito

.
Look for the Harrington brand of hoists and cranes in the US, Mexico, and Central America.



LOAD MONITORING

Technologies that improve safety and enable data-informed decisions on the job site

kitocrosby.com

LoadConnect

Crosby®





Cloud-based solution to monitor projects from anywhere in the world

Straighpoint LoadConnect improves safety and efficiency on your work sites and enables your team to monitor loads and stay connected on any device with an internet connection.

LoadConnect is compatible with several Crosby Straightpoint products:









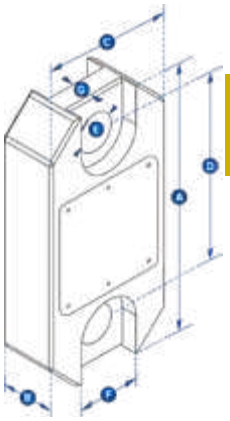
kitocrosby.com/loadconnect

© 2025 Kito Crosby. All Rights Reserved.

Radiolink Plus



- Capable of weighing and dynamic load monitoring in capacities from 1t to 500t.
- Constructed of lightweight, aerospace grade aluminum.
- Environmentally sealed to IP67 or NEMA6.
- Frequency: Proprietary 2.4 GHz wireless.
- Update rate of 3Hz and can be easily configured to run at industry-leading speeds of up to 200Hz.
- Remote on/off from handheld display or software.
- ATEX Zones 0, 1 & 2 available.
- Design validated by FEA.
- 2-year warranty.
- DNV-GL Type Approval.
- Complies with ASME B30.26.
- Bluetooth option is available and is supplied with a free HHP app for iOS and Android.
- Battery Type: Handheld 2 x AA / Loadcell 4 x AA.
- Battery Life: Handheld - 40 hours / Loadcell 1200 hours continuous (Loadcell 500 hours if Bluetooth).
- Display Type: 240 x 128 pixel Multi-line dot matrix with backlight.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- System Range (max): 1,000 m (100 m if Bluetooth), (500 m if ATEX/IECEx).





Straightpoint Radiolink Plus (RLP)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Design Factor	Dimensions (mm) A	B	C	D	ØE	F	G	Crosby Shackle	
2789084	RLP1T	1,000 (kg)	0.5 (kg)	1.5	12:1	204	43	104	146	25	48	19	G2130	1019490
2789089	RLP2T5	2.5	0.001	1.5	7:1	204	43	104	146	25	48	19	G2130	1049490
2789094	RLP6T5	6.5	0.001	2.4	7:1	249	43	113	165	38	65	32	G2130	1019533
2789082	RLP12T	12	0.002	3.7	7:1	305	47	113	193	48	–	–	G2130	1019597
2789088	RLP25T	25	0.005	5	5:1	340	60	115	215	55	–	–	G2130	1019659
2789091	RLP35T	35	0.005	8.6	5:1	393	75	126	225	60	–	–	G2130	1019677
2789093	RLP55T	55	0.01	13	5:1	424	75	180	230	76	–	–	G2140	1021156
2789095	RLP75T	75	0.01	16	5:1	470	75	202	260	76	–	–	G2140	1021174
2789081	RLP100T	100	0.05	34	5:1	608	99	255	320	109	–	–	G2140	1021192
2789083	RLP150T	150	0.05	46	4:1	670	99	303	360	109	–	–	G2140	1021218
2789085	RLP200T	200	0.1	82	5:1	700	144	350	350	145	–	–	G2140	1021234
2789087	RLP250T	250	0.1	82	4:1	700	144	350	350	145	–	–	G2140	1021243
2789090	RLP300T	300	0.1	118	5:1	806	150	426	350	160	–	–	G2140	1021252

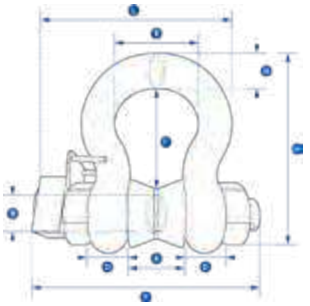
© 2025 Kito Crosby. All Rights Reserved.

Crosby

Wireless Loadshackle



- Capacities of 3.25t to 500t, as well as being obtainable up to 3,000t.
- Wireless range of 1,000 m (100 m if Bluetooth), (500 m if ATEX/IECEx).
- Every Loadshackle is proof tested.
- Electronics housed in hard anodized enclosure.
- Environmentally sealed to IP67 or NEMA6.
- Battery life of 1,200 hrs from 4 x AA Alkaline batteries (500 hours if Bluetooth).
- Internal antenna.
- Remote on/off from handheld display or software.
- Supplied with a load-centering bobbin.
- 2-year warranty.
- Complies with ASME B30.26.
- Design validated by FEA.
- ATEX Zones 0, 1 & 2 available.
- Bluetooth option is available and is supplied with a free HHP App for iOS and Android.
- Handheld Plus available, but not included.
- Sizes 3.25t to 25t are Crosby 2130 shackles. Size 55t is the 2140 Crosby shackle. Sizes 85t and up are 2135 Crosby shackles.
- Design Factor: 5:1 when used with load bobbin.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±1% full scale.
- Frequency: 2.4 GHz.
- Data Rate: 3 updates per second.
- Protection: IP67 / NEMA6.



Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
Ex ia II C T4 Ga

Certification numbers:
WLS ATEX
IECEx SIR 16.0041X / Sira 16ATEX2106X
SW-HHP ATEX
IECEx SIR 15.0073X / Sira 15ATEX2196X

Add ATEX to the part number when ordering ATEX/IECEx products.
For example: WLS3.25T-ATEX

Straightpoint Wireless Loadshackle (WLS)

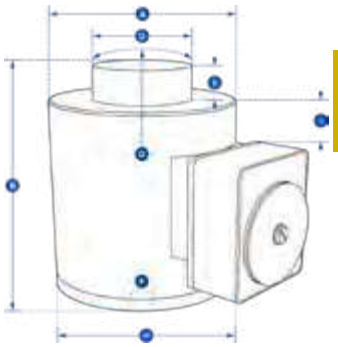
Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)									Crosby Shackle
					A	ØB	C	D	E	H	L	N	P	
2789186	WLS3.25T	3.25	0.005	2.8	27	19	57	16	43	106	127	18	143	G2130
2789200	WLS6.5T	6.5	0.005	3.2	37	25	80	22	58	148	157	25	173	G2130
2789183	WLS12T	12	0.01	8	52	35	113	32	83	210	196	35	218	G2130
2789185	WLS25T	25	0.02	18	73	51	170	45	127	313	281	57	293	G2130
2789199	WLS55T	55	0.05	25	83	57	190	51	146	348	306	61	317	G2140
2789201	WLS85T	85	0.05	85	105	70	253	67	184	453	368	79	394	S2135
2789172	WLS120T	120	0.1	125	127	83	320	76	200	546	408	92	441	S2135
2789184	WLS200T	200	0.2	260	180	125	432	110	280	738	530	120	600	S2135
2789188	WLS300T	300	0.5	405	205	150	505	120	305	862	587	140	657	S2135
2789189	WLS400T	400	0.5	662	230	175	548	160	325	962	667	160	765	S2135

© 2025 Kito Crosby. All Rights Reserved.

LoadSafe



- Industry leading wireless range up to 1000m or 3,280ft.
- High grade 17-4PH stainless steel, providing excellent strength and corrosion resistance.
- Frequency: Proprietary 2.4 GHz wireless.
- Accuracy of ±0.1% FS.
- Environmentally sealed to IP67 or NEMA6.
- Stocked capacities up to 1000t.
- Internal antenna.
- ATEX & IECEx version for hazardous area zones 0, 1 & 2 available.
- Battery life of 1200 hrs.
- Compact size.
- Remote on/off from handheld display or software.
- Design validated by FEA.
- Bluetooth option is available and is supplied with a free HHP App for iOS and Android.
- Handheld available, but not included.
- Design Factor: 3:1
- Battery Type: Handheld 2 x AA / Loadcell 4 x AA.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- Battery Life: Handheld - 40 hours / Loadcell 1,200 hours continuous (Loadcell 500 hours if Bluetooth).
- System Range (max): 1,000 m (100 m if Bluetooth), (500 m if ATEX/IECEx).
- Data Rate: 3 Hz (configurable to 200Hz).



Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
Ex ia II C T4 Ga

Certification numbers:
WNI ATEX
IECEx SIR 16.0041X / Sira 16ATEX2108X
SW-HHP ATEX
IECEx SIR 15.0072X / Sira 15ATEX2196X

Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: WNI5TC-ATEX

Straightpoint LoadSafe (WNI)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)							
					ØA	B	ØD	E	F	G	H	I
2789197	WNI5TC	5	0.001	6.2	100	127	59	16	M18 x 2.5	152	158	22
2789191	WNI10TC	10	0.002	6.2	100	127	59	16	M18 x 2.5	152	158	22
2789193	WNI25TC	25	0.005	6.2	100	127	59	16	M18 x 2.5	152	158	22
2789196	WNI50TC	50	0.01	6.2	100	127	59	16	M20 x 2.5	152	158	22
2789190	WNI100TC	100	0.05	15.5	152	184	80	26	M20 x 2.5	432	208	33
2789192	WNI150TC	150	0.05	15.5	152	184	80	26	M20 x 2.5	432	208	33
2789194	WNI300TC	300	0.1	65	185	300	155	28	M20 x 2.5	432	241	49
2789195	WNI500TC	500	0.2	65	185	300	155	28	M20 x 2.5	432	241	49
2789138	WNI1000TC	1,000	0.5	172	362	310	270	40	M30 x 3.5	950	422	102

© 2025 Kito Crosby. All Rights Reserved.

BlueLink



- Design Factor: 5:1.
- Battery Type: 4 x AA alkaline batteries.
- Battery Life: 500 hours.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.2% of full scale.
- Range: 100 meters.
- Data Rate: 3 Hz.
- Protection: IP67 / NEMA6.





Straightpoint BlueLink (BLD)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)						Crosby Shackle	
					A	B	C	D	ØE	F		
2789218	BLD6T5	6.5	0.001	1.5	224	44	113	156	27.5	33	G2130	1019533

Designed to replace outdated mechanical products still in the field, this 6,500 kg dynamometer, the BlueLink, is the latest Crosby Straightpoint product to feature proprietary Bluetooth wireless technology.

The Bluetooth signal effortlessly connects to any iOS or Android smartphone that has our free HHP app installed, providing the operator with a wireless range of up to 100 m. This allows them to stand in a safe position from the load with no requirement to read a load on the loadcell itself. The app also allows the operator to log data versus time, or on events such as over- or under-load. An adjustable alarm will alert the operator on their smartphone if any overload is occurring.

Rigged using industry standard Crosby G2130 Shackles, the BlueLink has been designed to minimize headroom (156mm from eye to eye). With a design factor of over 5:1, its compact lightweight design does not sacrifice on strength.

Constructed from high-quality aerospace grade aluminum, which is then hard-anodized, BlueLink features an advanced internal design structure. This design provides the product with an unrivaled strength to weight ratio. The use of a separate internal sealed enclosure administers the loadcell's electronic components with IP67 or NEMA6 environmental protection, even with the battery cover plate missing. All these features makes it an industry-leading compact dynamometer, even more suitable for use in the harshest industrial or leisure environments.

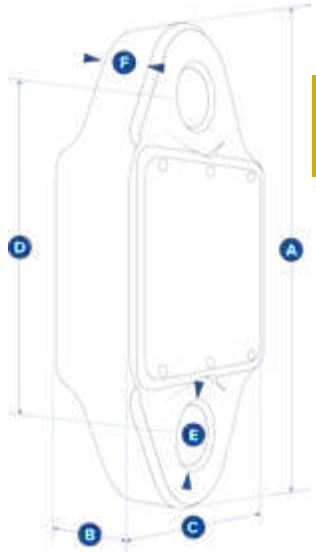
The BlueLink is powered by four standard AA alkaline batteries that provide in excess of 500 hours transmission time. Its internal antenna ensures safe transmissions of loads to an accuracy of ±0.2% FS.

© 2025 Kito Crosby. All Rights Reserved.

Self Indicating Dynamometer



- Large 5mm LCD display
- 0.2% high accuracy
- Overload counter
- 90db Audible set point alarm
- RS-485 serial output
- IP65 / NEMA 4X
- Design validated by F.E.A.
- 2-year warranty
- Design Factor: 6:1
- Battery Type: 9v PP3
- Battery Life: 80 hrs continuous
- Operating Temp: -10 to +50° C
- Accuracy: +/- 0.2% of full scale
- Display Type: 6 digit 25 mm LCD
- Protection: IP65 / NEMA 4X



Straightpoint Self Indicating Dynamometer (SID)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)						Crosby Shackle	
					A	B	C	D	ØE	F		
2789709	SID6T5	6.5	0.001	1.5	224	44	113	156	27.5	33	G2130	1019533

Designed to replace outdated mechanical products still in the field, the Self Indicating Dynamometer (SID) is the latest Crosby Straightpoint product with a self-indicating display that provides accurate load measurements to prevent incidents and injuries.

The SID is a self-indicating version of the popular BlueLink and provides load monitoring solutions where close-up measurements are required, such as when operating lever and chain hoists at height or lifting vehicle motors.

The SID's advanced microprocessor-based electronics deliver high-speed read rates, extreme resistance to industrial-level noise, and unprecedented stability. It features full-function push button controls for:
- Tare and preset tare
- Selectable measurement units (lbs, kg, kN and tonnes)
- 100Hz high-speed peak hold
- Audible set-point alarm
- Overload counter

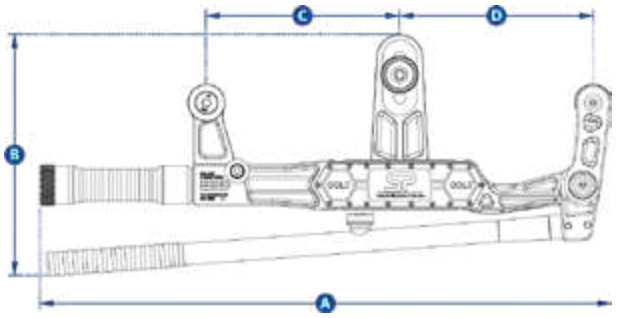
Designed for use with industry-standard Crosby G-2130 shackles, the SID's compact design minimizes headroom loss (6.14 in from eye to eye).

Constructed with high-grade aircraft-quality aluminum and with a 6:1 Design Factor, its lightweight design does not sacrifice on strength. In fact, Crosby SP link style dynamometers are, on average, 30% lighter than those of other suppliers.

© 2025 Kito Crosby. All Rights Reserved.

Clamp On Line Tension Meter



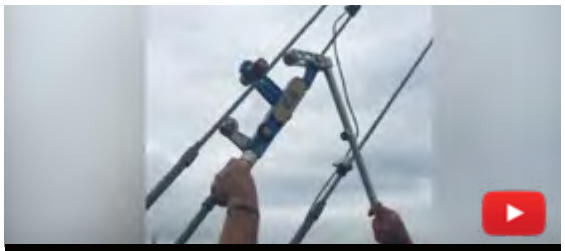


- Lightweight wire rope tension meter for fast and accurate measurement of tensions up to 5,000 kg and up to 25 mm diameter.
- Constructed from aerospace grade aluminum.
- Unlimited wire rope calibration database via Android or iOS app.
- Built-in magnetic smart device holder for on board display.
- Main swivel joints fitted with high-quality bearings.
- Lever ratio of 5.3:1 allows effortless, safe, clamping onto pre-tensioned wire ropes.
- Wireless Bluetooth 4.2 enabling operator to stand a safe distance away, up to 100 m.
- Quick intuitive adjustable center sheave makes changing wire rope sizes fast and easy.
- No easily broken external antenna.
- High waterproof resistant design IP67 or NEMA6 for all weather use.
- Long battery life of 1,000 hrs Bluetooth transmission time.
- As the library of wire rope diameters and constructions is increased each app user will benefit when they update free of charge.
- Max Line Reduction: 5 mm with a Ø10 mm wire rope.
- Wire Rope Database: Infinite via Android or iOS app.
- Battery Type: 2 x 'C' cell batteries.
- Operating Temperature: -25°C to +70°C.
- Accuracy: ±3% of full scale if wire rope Ø and construction known.

Straightpoint Clamp On Line Tension Meter (COLT)

Stock No.	Model	Capacity (kg)	Resolution (kg)	Rope Diameter (mm)		Weight (kg)	Dimensions (mm)			
				Min	Max		A	B	C	D
2789000	COLT5T	5,000	10	5	25	3.5	589	254	200	200

Specifications assume COLT used on a wire rope with a fixed and flexible end.



Watch demo at **kitocrosby.com/COLT-demo**



Watch CVT demo at **kitocrosby.com/COLT-CVT**

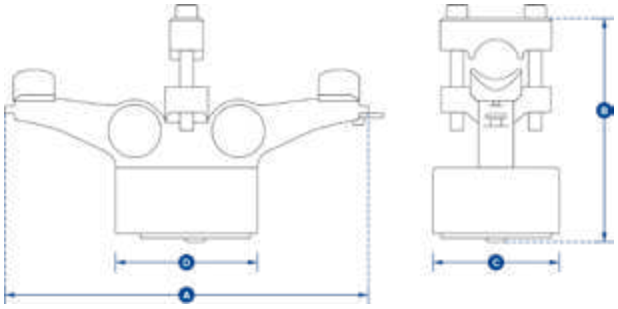
Optional for purchase:
Calibration verification tool (CVT)
SP - SA507 Crosby 2789225

In order to ensure the measurements of the COLT are as accurate as possible, Kito Crosby supplies a calibration verification rod.

© 2025 Kito Crosby. All Rights Reserved.

Bolt On Line Tension Meter





- Constructed from aerospace-grade aluminum.
- Designed to be mounted in a permanent position on wire rope or cable to accurately monitor measurements of tension up to 10,000 kg and up to 32 mm diameter.
- Proprietary 2.4 GHz wireless.
- Leading wireless range of 1,000 m when connected to SW-HHP, enabling you to read up to four loadcells simultaneously.
- Unlimited range when connected to BaseStation to monitor remotely.
- Will provide reduced site visits, improve decision making and safely monitor line tensions from any distance from anywhere in the world.
- Unrivaled battery life of 1,200 hrs.
- Multiple drop tested from 3 m.
- Internal antenna.
- Remote on/off from handheld display or software.
- Units: kilograms, pounds, metric tons and kilonewtons.
- Battery Type: 4 x 'AA' cell batteries.
- Operating Temperature: -10°C to +50°C.
- Protection: IP67 / NEMA6.
- Accuracy: Typically 3-5%.

Straightpoint Bolt On Line Tension Meter (BOLT)

Stock No.	Model	Capacity (t)	Resolution (t)	Rope Diameter (mm)		Weight (kg)	Dimensions (mm)		
				Min	Max		A	B	C
2789573	BOLT10T	10	0.01	16	32	2.1	259	159.1	89



Crosby Straightpoint Training Videos

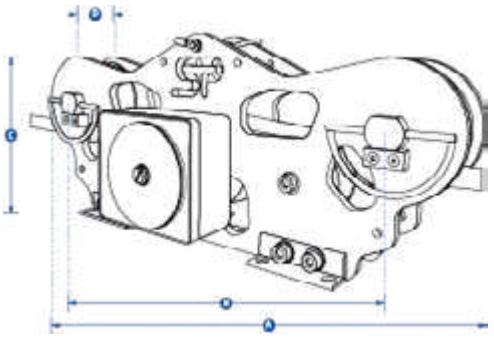
- How to pair a loadcell (and multiple loadcells) to a handheld
- How to know the correct number of compression cells required
- How to use the backlight function on a handheld
- How to get accurate loadcell readings at various distances
- Snatch block & loadcell demonstration
- COLT calibration verification tool installation demo
- Plus many more...

Watch now at **kitocrosby.com/spvideos**

© 2025 Kito Crosby. All Rights Reserved.

CableSafe





- Simple to use and set up.
- Remote monitoring using smart phone via Bluetooth.
- Rapid tension force measurement - Up to 600m per minute.
- Able to be used in all weather and air quality conditions.
- Battery type: 4 x AA standard alkaline providing up to 500 hours battery life.
- Fully constructed from aerospace-grade aluminum with anodized finish.
- Five-wheel design, improving accuracy.
- Blue anodized side plates.
- Linchpins are fitted to the top sheave pins, making wire rope installation quick and simple.
- Maintenance free heavy duty bearings.
- Compatible with a wide range of synthetic rope/electrical cable diameters 4mm to 30mm.
- IP67 ingress protection or NEMA6 – heavy protection against dust and rain.
- Design validated by FEA.
- Accuracy: 2% of Full Scale.
- Range: 100 m.
- Operating Temperature: -10°C to +50°C.

Straightpoint CableSafe

Stock No.	Model	Capacity (t)	Synthetic Rope / Electrical Cable Ø (mm)	Resolution (t)	Rope Diameter (mm)		Weight (kg)	Dimensions (mm)			
					Min	Max		A	B	C	D
2789219	Cablesafe	10	4-19	0.01	4	19	4.5	422	328	152	36
2789399	Cablesafe-WD	10	9.5-30	0.01	9.5	30	8	422	328	152	50.50

In addition to the TIMH range, the CableSafe® is the continued evolution of the Crosby Straightpoint running line tensiometers. When used in the field, it will allow the user to monitor tension with exceedingly high levels of accuracy, which ensures rope/cables do not become overstretched or break.

When using a capstan winch to unwind electrical cable from a reel/spool, you will be able to integrate the CableSafe within this set-up to ensure that it is being pulled at a safe tension level. This helps the line maintain its transmissions capability, prevent it becoming a fire hazard risk, and it also stops the need of furthering work in order to remove and replace it. The contractor is gifted with decreased liability, dramatically increasing peace of mind.

Using CableSafe on cable pulls reduces liabilities on cable installations, making it ideal for the following applications:

- Measure tension when pulling electrical cables – protect against fractures or elongation
- Measuring tension on synthetic rope when erecting delicate structures using gin poles and capstan winch

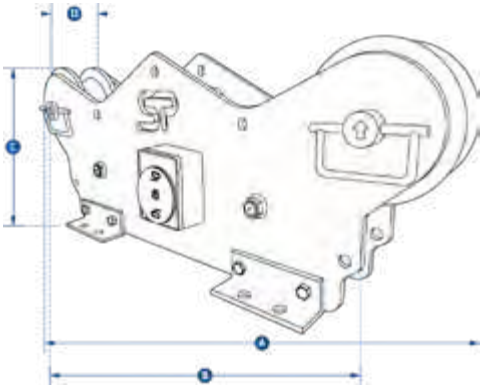
Another example of best use is during the installation of cell phone towers or similar delicate structures. The product helps ensure structure-to-ground ropes which are connected to a gin pole and pulley system. Avoid the unknown through accurate monitoring, especially when risks are high.

© 2025 Kito Crosby. All Rights Reserved.

Running Line Dynamometer



The TIMH range is a wireless running line tensiometer or RLTM built with dockside, marine, offshore, towage, and salvage applications in mind.



- Fully constructed from corrosion-resistant stainless steel.
- Large range of capacities to 150t and wire rope diameters up 89mm.
- Measures tension force at speeds up to 20m/min.
- Five-wheel design, improving accuracy.
- Maintenance-free heavy duty bushes.
- Options for lineout and speed available.
- Software available to data log and monitor or analog outputs.
- Cabled system or wireless bluetooth option are available and is supplied with a free HHP app for iOS and Android.
- IP67 or NEMA6 Loadpin.
- Design validated by FEA.
- Battery Type: 4 x AA Alkaline.
- Battery Life: Wireless version 1,200 hours continuous.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±2% of full scale.
- Frequency: 2.4 GHz.
- System Range (max): 700 m.
- Data Rate: 3 updates per second.
- Line out and speed: via SW-MWLC software.

Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
Ex ia II C T4 Ga

Certification numbers:
TIMH ATEX
IECEx SIR 16.0041X / Sira 16ATEX2108X
SW-HHP ATEX
IECEx SIR 15.0072X / Sira 15ATEX2196X

Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: TIMH10T-ATEX.

Straightpoint Running Line Dynamometer (RLTM)

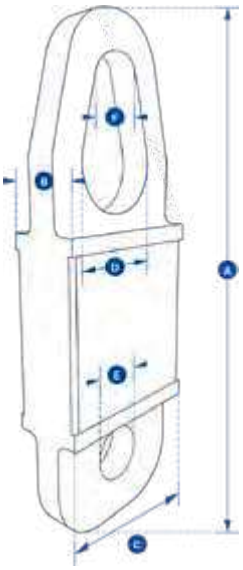
Stock No.	Model	Capacity (t)	Resolution (t)	Rope Diameter (mm)		Weight (kg)	Maximum Speed (m per minute)	Dimensions (mm)			
				Min	Max			A	B	C	D
2789054	MTIMH10TRD	10	0.01	4	19	9	50	422	328	152	36
2789136	TIMH10TRD	10	0.01	13	19	90	20	865	674	329	111
2789139	TIMH25TRD	25	0.02	16	26	86	20	865	674	329	111
2789144	TIMH56TRD	56	0.05	28	38	81	20	865	674	329	111
2789146	TIMH80TRD	80	0.1	40	52	76	20	865	674	329	111
2789270	TIMH150TRD	150	0.2	52	89	230	20	1250	1050	416	153

© 2025 Kito Crosby. All Rights Reserved.

Towcell®



- Unique design fits any standard 2 inch tow hitch.
- Waterproof IP67 or NEMA6.
- Internal antenna.
- Compact size and lightweight.
- Proprietary 2.4 GHz wireless communication.
- Design validated by FEA.
- Bluetooth enabled and is supplied with a free HHP app for iOS and Android.
- Battery type: 4 x AA standard alkaline providing up to 500 hours battery life.
- Design factor: 5:1.
- Accuracy: 2% of Full Scale.
- Range (max): 100 m.
- Operating Temperature: -10°C to +50°C.
- Data Rate: 50 Hz



Straightpoint Towcell®

Stock No.	Model	Capacity (kN)	Resolution (kN)	Weight (kg)	Dimensions (mm)					
					A	B	C	ØD	ØE	ØF
2789271	Towcell - Bluetooth	25	0.01	1.4	300	43	104	51	27	31

Only sold in Europe. Does not meet US towing requirements.

The Crosby Straighpoint Towcell® is a 25kN wireless loadcell, specifically engineered for the emergency services, salvage, and 4x4 industries.

The Towcell allows for increased safety and the avoidance of costly overloads by providing real-time monitoring of tensile towing forces during recovery, clearance and salvage efforts.

The Towcell is rugged, lightweight, compact, and can be installed, with ease, onto any tow bar, whether it's a standard 52mm or 2 in ball or pin assembly and is ready to use in seconds.

Modeled after the Crosby SP bestselling Radiolink Plus, the Towcell is constructed of high-quality aircraft grade aluminum. It features an advanced internal design structure, providing the product with an unrivaled strength to weight ratio. This optimal balance allows for the use of a separate internally sealed enclosure. This administers the internal electronic components with an IP67 or NEMA6 waterproof environmental protection, even with the battery cover plate missing.

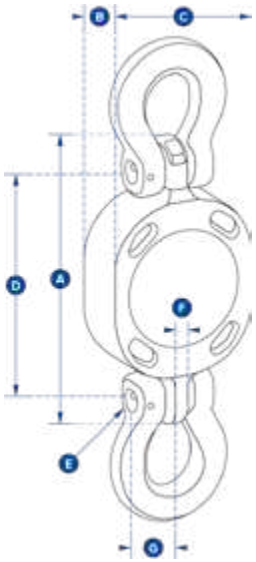
Towcell utilizes an unbreakable internal antenna and boasts an unmatched battery life.

© 2025 Kito Crosby. All Rights Reserved.

ChainSafe



- Designed to work with 10mm chain.
- Unmatched weight-to-strength ratio.
- Update rate of 1Hz and the Bluetooth signal effortlessly connects to any iOS or Android smartphone that has our free HHP App that will alert the operator on their smartphone if any overload is occurring.
- Bluetooth wireless range of 100 m.
- No battery change required.
- Battery life: 5 yrs based on 3 hrs use per day.
- Battery Type: Lithium Thionyl Chloride (non replaceable).
- Environmentally sealed to IP67/NEMA6.
- Internal antenna.
- Conforms to EN1677:2008.
- Fatigue tested to 30,000 cycles to 1.5x WLL.
- Design Factor: 4:1.
- Operating Temperature: -10°C to +50°C.
- Recommended Fittings: 10mm (3/8") G100 chain fittings.



Straightpoint ChainSafe

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)						
					A	B	C	D	E	F	G
2789536	ChainSafe	4	0.002	2.5	164	35	85	132	13.2	11	28

ChainSafe is designed to be fitted with an array of Kito Crosby chain fittings, and is an approved wireless tension loadcell capable of load monitoring of capacities up to 4t.



chain fittings are not included

© 2025 Kito Crosby. All Rights Reserved.

INSIGHT Software

INSIGHT Visualisation



INSIGHT Center of Gravity



INSIGHT Display



INSIGHT Chart





INSIGHT software, supplied with an SW-D USB wireless dongle, allows connection of up to 126 Crosby Straightpoint wireless loadcells simultaneously onto any Windows tablet or laptop.

Insight has four main features:

- **Multi-channel display and data logging mode**
  View and log load data from connected loadcells plus totals loads live on screen and directly into a .csv file for later analysis at speeds of up to 200Hz.
- **Visualization mode**
  For complicated lifts import a photo of the lift and drag and drop loadcell displays – make the screen look like the lift.
- **Center of gravity mode**
  Connect to the Crosby SP range of wireless compression loadcells and use this feature to weigh and calculate the center of gravity of large items and structures.
- **Proof load testing**
  Real time graphing of load test and auto generated test certificates.
- Logging at timed intervals, manual or on overload/ underload.
- Log data at speeds up to 200Hz.
- Visual and audible alarms indicate overload, underload, low battery, and communications error.
- 100% wireless, no easily damaged cables.
- 700m or 2300ft range allows operator to stand at safe distance from test.
- Connects to any Crosby SP wireless loadcell.
- Automatically creates digitally signed pass or fail certificate.
- Real-time load v time graph display.
- Three weighings per C of G report with averages and statistical analysis to ISO19901.
- Plot loadcell positioning using measurements or GPS coordinates.
- Free extra entry fields for operator, client, wind speed, sea states, and temperature available for reporting.

© 2025 Kito Crosby. All Rights Reserved.

INSIGHT Software

Numerous proof load testing applications worldwide require a loadcell to verify the load applied. From crane testing, using water bags to pad eye testing, using hydraulic tools, the need to document test procedure and results has never been greater, especially as users of lifting equipment call for more traceability and audit trails.

A proof test is a form of stress test to demonstrate the fitness of a load-bearing structure, and is nominally a non-destructive test. Such a structure is often subjected to loads above that expected in normal use, demonstrating safety and design margin.

This demand has increased so much, Kito Crosby offers a software package designed to connect to any of their wireless loadcells – Proof Test plus.

This impressive package allows the test engineer to wirelessly, at a safe distance, monitor a proof load test and automatically create a pass or fail certificate when testing is complete.

The report is formatted as a PDF, which may then be printed, emailed, or uploaded to the cloud, resulting in a traceable document for both test engineer and end customer.



Typical load tests using Crosby SP loadcells include:

- Bollard pull tests
- Tug tests
- Crane test (water bags, block weights)
- Pad eye or fly point testing
- Crash barrier testing
  - Lifting equipment testing
  - Slings, chains, wire rope, hooks
- Construction equipment testing
  - Shoring columns, acrow props, lintels
- Lifting and spreader beam testing
- Hydraulic cylinder load test
- Supplied with SW-D transmitter

Stock No.	2789318
Model	INSIGHT
IP rating	IP67 / NEMA6
USB Dongle Operating Temp.	-20°C to +70°C / -4°F to 158°F
Licence	RF Band License free
Frequency	2.4 GHz
Range	700 meters / 2,300 feet
Loadcell Inputs	Up to 126
PC Requirements	Intel i5 processor with 8Gb RAM
Operating System	Windows 10, Windows 11

© 2025 Kito Crosby. All Rights Reserved.

Straightpoint LoadConnect Software (LCBS)



Crosby Straightpoint LoadConnect, connected to BaseStation, is a cloud-based solution to monitor loads and line tensions from any distance and from anywhere in the world. Stay connected, protect assets, reduce site visits, and improve safety.

- Dashboard overview.
- Live load data.
- Error reporting.
- Productivity and utilization graphs.
- Regular email reporting.
- SMS alerts.
- Connect to BOLT to monitor tension on cables.
- Connect to SP loadcells to monitor loads.

LCBS Base



How it works:



Stock No.	2789574	0000000
Model	LCBC-N	LCBS-W
Required Power Supply	9 to 28 V DC	9 to 28 V DC
Radio Frequency	2.4 GHz (License Free)	2.4 GHz (License Free)
Maximum Number of Loadcells	16	16
Range	Up to 500 meters / 1,640 feet	Up to 500 meters / 1,640 feet
Operating Temperature Range	-10°C to 50°C / 14°F to 122°F	-10°C to 50°C / 14°F to 122°F
Backup Battery Life	16 hours	16 hours
Input Option	1x 4-20mA (2 wire) OR 1x mV/V & Wireless	1x 4-20mA (2 wire) OR 1x mV/V & Wireless
Weight	2.75 kg / 6.06 lb	2.75 kg / 6.06 lb
Network Supported	4G / 3G	Wifi
Frequency Band	LTE-TDD B34/B38/B39/B40/B41 LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66 UMTS/HSPA+ B1/B2/B4/B5/B6/B8/B19	N/A
SIM Type	Micro SIM (NOT INCLUDED)	N/A
Alert Functionality	via SMS (up to 3 pre defined numbers) Optional subscription to online dashboard	Subscription to online dashboard only *(No SMS Alerts)
IP Rating	IP67 / NEMA6	IP67 / NEMA6
Dimension	560 x 260 x 90 mm - Antennas included	560 x 260 x 90 mm - Antennas included

*Data option to be enabled on the SIM card used for full functionality
User configuration is required via free software supplied

Data option to be enabled on the SIM card used for full functionality.
User configuration required via free software supplied.

© 2025 Kito Crosby. All Rights Reserved.

Straightpoint Accessories

Kito Crosby's range of wireless accessories may be used with any Crosby SP wireless loadcells



Wireless Overload Alarm Module

Part Nºs SP SW-OAM Crosby 2789129

This wireless relay module features audio and visual warning indicators. The set point of the unit can be triggered from a single or summed group of up to four Crosby SP wireless loadcells. It contains two relays (NO and NC). NO is for audio and visual indications, while NC is a spare and can be used to control 230V AC / 30VDC 5A systems.



Wireless Scoreboard Display

Part Nºs SP SW-SD Crosby 2789132

This 100mm or 4" scoreboard LED display is wireless and operates between 100-240V AC. The numerals are viewable for up to 45m or 150ft, making it perfect for installation on a crane gantry. The SW-SD displays an individual load in metric tons or summed load of up to four Crosby Straightpoint wireless devices.



Wireless Base Station with Analog Output

Part Nºs SP SW-BS Crosby 2789314

The SW-BS provides a configurable analog output for any single or summed group of up to 4 loadcells Crosby Straightpoint wireless loadcell and is ideal for integration to a PC, PLC and other data acquisition. Housed in a IP65 enclosure, the output can be selected from current 4-20mA, 2 relay outputs, RS485 ASCII (Configurable) plus an optional CANbus 2.0A or 2.0B output.



Loadcell Transmitter

Part Nºs SP SA700C Crosby 2789097

The SA700C transmitter connects to strain gauge transducers such as loadcells, torque sensors and pressure transducers allowing them to form part of a Crosby Straightpoint wireless system. Load data from the SA700C can be received by multiple receivers that include SW-HHP handheld, INSIGHT software or the Crosby SP range of wireless accessories.



Wall or Cab Mount Bracket

Part Nºs SP SU3282 Crosby 2789228

Constructed from stainless steel and fitted with a viewing angle adjusting mechanism, the SU3282 bracket fits either the HHP or SW-HHP handheld displays. Ideal for wall or cab mounting, leaving the operators to work safely and hands-free.



External Amplifier

Part Nºs SP SA-3420 Crosby 2789096

The SA-3420 external amplifier allows the operator to convert the output of any of the SP cabled loadcell products into a three wire 4-20mA analog output. The weatherproof enclosure is fitted with stainless steel glands and is suitable for connection to a PLC, data logger, or other instrumentation.



Handheld Rubber Boot

Part Nºs SP SU4045 Crosby 2789232

Drop tested to one meter at –30°C, this 70SHA rubber boot is purpose molded to fit and protect the HHP and SW-HHP handheld display against impact, especially when it is used in the harshest industrial environments.

© 2025 Kito Crosby. All Rights Reserved.

Straightpoint HHP 2 App



- Connect up to four loadcells simultaneously.
- Set lift threshold and measure productivity per shift.
- View in eight different languages.
- Overload screen flash.
- Alarm latching.
- Set and record overload incidents
- Up to 100m or 328ft remote monitoring distance.
- Multiple weight unit measurement options (kN, metric tons, kg, lbs, custom unit).
- Peak hold and display value alongside live readings.
- Data-log report.
- Export data-log report.
- Zero and gross monitoring options.
- User defined resolution setup.

Up to four Crosby Straightpoint, Bluetooth load cells can be connected and monitored by up to eight smartphones, with the HHP2 app installed. It will enable more than one lifting professional to monitor the loads progress and safety, spotting potential dangers or issues from different vantage
points.

The HHP2 app's simple and easy-to-use interface will enable the operator to use the app with the utmost efficiency. There are five different measurement units to choose from - tonnes, lbs, kN, kg and a custom unit.

The app records total loads, weights and lifts. This feature is useful when a particular measurement(s) is required for later referral. Added to this is the option to set the threshold and measure productivity for each load cell and the device it's rigged to, a crane, for instance, for analysis to see shortfalls and improve performance.

A peak facility can be activated to display the highest force measured alongside the live load reading of four load cells simultaneously plus a total load.

Once measurements are recorded to the app using the load monitoring project record and data log feature, the operator can export the details. The report will include load, time and date, GPS coordinates and project information to either a mobile device or send it to a particular email address in csv format.

© 2025 Kito Crosby. All Rights Reserved.

Straightpoint Handheld Plus (HHP)



- Displays up to 4 loadcells simultaneously.
- Wireless range 1000m or 3280ft (ATEX 500m or 1640ft).
- Low battery warning.
- Signal strength warning.
- Overload counter.
- User settable 90db audible overload alarm.
- Multiple display units (metric tons, lbs, kg, kN).
- 200Hz peak hold.

The Handheld Plus is a rugged and versatile digital handheld display. It has an extensive range of features and is suitable for all Crosby Straightpoint loadcell products.

At the heart of the ergonomically designed Handheld Plus is a powerful PCB, providing industry-leading features such as user selectable units of measure (metric tons, lbs, kg, and kN), programmable audible overload alarm (HHP & SW-HHP), peak hold, pre-set tare, and a user resettable (HHP & SW-HHP) overload counter.

This crucial overload alarm counter is a requirement for many safety and quality control departments because it keeps track of overload events, allowing the loadcell in question to be removed from service immediately, following the calibration voiding overload event. The loadcell in question can then be sent out for proper testing and, if necessary, recalibration before re-entering service.

The HHP is suitable for connection via cable to any Crosby SP cabled loadcell product and easily adapted to any other manufacturers' loadcell product with a mv/v output.

In addition to the standard HHP the SW-HHP is suitable for connection to any Crosby SP wireless loadcell, has a range of up to 1000m/3280ft (ATEX 500m/1640ft) and is supplied as standard with the Radiolink Plus loadcell.

Stock No.	2789030	2789126	2789442
Model	**HHP**	**SW-HHP**	**SW-HHP ATEX**
Battery Type	2 x AA	2 x AA	4 x AA Energizer L91
Battery Life	100 hours continuous	40 hours continuous	40 hours continuous
Display Type	240 x 128 pixel Multi-line dot matrix with backlight		
Operating Temp.	-10°C to +50°C / 14°F to 122°F	-20 to +70 °C / -4 to 158 °F	-10°C to +50°C / 14°F to 122°F
Protection	IP65 / NEMA4X		
Excitation	5V	N/A	N/A
Max Sensitivity	3mV/V	N/A	N/A
Range	N/A	1000 m / 3,280 ft	500 m / 1,640 ft
Connectivity	6-way female binder 723 socket	Wireless 2.4GHz	Wireless 2.4GHz

Accessories available for the handheld:

Wall or cab mount bracket
Crosby SP part numbers
SU3282 2789228

Rugged rubber boot
Crosby SP part numbers
SU4045 2789232

Also available with hazardous area approval

ATEX / IECEx
Ex ia II C T4 Ga
Certification number:
SW-HHP ATEX
IECEx SIR 15.0072X
Sira 15ATEX2196X
When ordering
ATEX/IECEx version of
SW-HHP, order using code:
SW-HHP-ATEX
Please note:
There is no audible alarm with ATEX

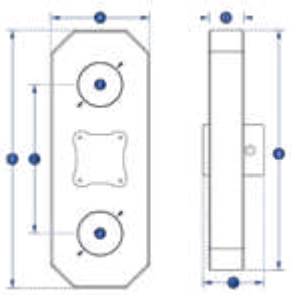
Please note:
There is no audible alarm with ATEX

© 2025 Kito Crosby. All Rights Reserved.

SubseaLink



- Manufactured for use in subsea or submersible projects.
- On board data-logging option.
- Pressure tested to depth of 2,000 m.
- SubConn connector.
- Environmental protection IP68/NEMA6P.
- Output options include mV/V to the Crosby SP Handheld Plus, 4-20mA or 0-10v analog to a PLC, data-logger or The Multi Operation Survey System (MOSS), RS485 or an integral data-logger storing up to one million readings and powered by an internal battery.
- Constructed from 17-4PH stainless steel.
- Designed to fit with The Crosby Group ROV shackles.
- Option for ROV mounting on the SL body itself.
- Output: Options for: mV/V / 4-20mA / 0-10v / RS485 or internal data logger.
- Design Factor: 5:1
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- Max depth of use: 2,000 m.
- Material: 17-4 PH Stainless steel.
- MTBF to WLL: Typically 50 million cycles.
- Elongation: Typically <0.4mm / at WLL.



Straightpoint SubseaLink (SL)

Stock No.	Model	Capacity (t)	Weight (kg)	Dimensions (mm)						Crosby Shackle	
				A	B	C	D	ØE	F		
2789352	SL6T5	6.5	7	95	240	180	25	30	73	G2130	1019533
2789353	SL12T	12	10	100	300	200	40	40	88	G2130	1019597
2789354	SL25T	25	16	130	350	230	45	55	93	G2130	1019659
2789355	SL35T	35	22	150	400	250	50	60	98	G2130	1019677
2789356	SL55T	55	34	168	450	260	65	75	113	G2130	1021156
2789357	SL85T	85	46	190	490	290	75	88	123	G2130	1021174
2789358	SL120T	120	67	220	550	335	86	100	134	G2140	1021192

Data-logger Measurement Rate	Days
1 per second	10
1 per 30 seconds	57
1 per minute	729
1 per 2 minutes	1445
1 per 30 minutes	3423
1 per hour	3600
1 per 2 hours	3694
1 per 8 hours	3769

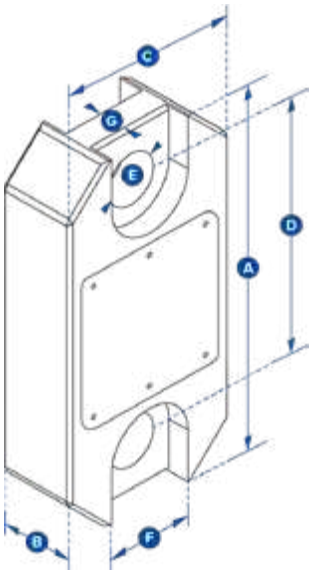
© 2025 Kito Crosby. All Rights Reserved.

Loadlink Plus



Optional connection to the Crosby SP Handheld Plus
part no. HHP 2789459

- Capacity from 1t to 300t.
- Unmatched weight-to-strength ratio.
- 30% lighter than competing dynamometers with the same safety rating.
- Large high resolution 25mm LCD display.
- Features full function push button controls for tare, choice of units (lbs, kg, kN, and metric tons), peak hold, preset tare, audible set-point alarm, and an overload counter.
- The highest standard resolution of any digital dynamometer on the market today (5,000+ divisions).
- 100Hz peak hold.
- RS-485 serial output.
- 2-year warranty.
- DNV-GL Type Approval.
- Design validated by FEA.
- Complies with ASME B30.26.
- Battery Type: 9v PP3 Alkaline.
- Battery Life: 80 hours continuous.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- Protection: IP65 / NEMA4X.



Straightpoint Loadlink Plus (LLP)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Design Factor	Dimensions (mm)							Crosby Shackle	
						A	B	C	D	ØE	F	G		
2789042	LLP1T	1000 (kg)	0.5 (kg)	1.5	12:1	204	43	104	146	25	48	19	G2130	1019490
2789046	LLP2T5	2.5	0.001	1.5	7:1	204	43	104	146	25	48	19	G2130	1049490
2789050	LLP6T5	6.5	0.001	2.4	7:1	249	43	113	165	38	66	32	G2130	1019533
2789040	LLP12T	12	0.002	3.7	7:1	305	47	113	193	48	66	32	G2130	1019597
2789045	LLP25T	25	0.005	5	5:1	340	60	115	215	55	66	32	G2130	1019659
2789048	LLP35T	35	0.005	8.6	5:1	393	75	126	225	60	66	32	G2130	1019677
2789049	LLP55T	55	0.01	13	5:1	424	75	180	230	76	66	32	G2140	1021156
2789051	LLP75T	75	0.01	16	5:1	470	75	202	260	76	66	32	G2140	1021174
2789039	LLP100T	100	0.05	34	5:1	608	99	255	320	109	66	32	G2140	1021192
2789041	LLP150T	150	0.05	46	4:1	670	99	303	360	109	66	32	G2140	1021218
2789043	LLP200T	200	0.1	82	5:1	700	144	350	350	145	66	32	G2140	1021234
2789044	LLP250T	250	0.1	82	4:1	700	144	350	350	145	66	32	G2140	1021243
2789047	LLP300T	300	0.1	118	5:1	806	150	426	350	160	66	32	G2140	1021252

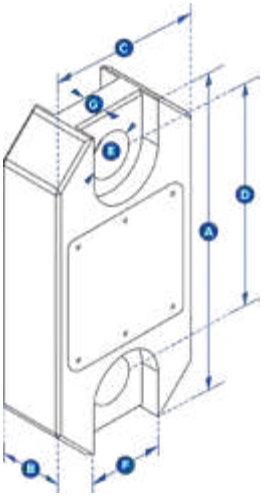
© 2025 Kito Crosby. All Rights Reserved.

Crosby

Wirelink Plus



- Available in capacities ranging from 1 to 300 metric tons.
- The non-indicating version of Crosby SP's popular Radiolink Plus and Loadlink Plus digital dynamometer tension loadcells.
- Multiple output options to include mV/V, analog out, ASCII, MODBUS RTU, and CAN-BUS.
- Constructed of lightweight, aerospace grade aluminum.
- Available with IP68 environmental protection.
- Supplied with a 10-meter cable as standard, however, usable cable length varies greatly with lengths available to 1,500 meters depending on output format.
- Options for subsea use available.
- 2-year warranty.
- DNV-GL Type Approval.
- Complies with ASME B30.26.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- Protection: IP65 / NEMA4X.



Straightpoint Wirelink Plus (WLP)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Design Factor	Dimensions (mm) A	B	C	D	ØE	F	G	Crosby Shackle	
2789042	LLP1T	1000 (kg)	0.5 (kg)	1.5	12:1	204	43	104	146	25	48	19	G2130	1019490
2789046	LLP2T5	2.5	0.001	1.5	7:1	204	43	104	146	25	48	19	G2130	1049490
2789050	LLP6T5	6.5	0.001	2.4	7:1	249	43	113	165	38	66	32	G2130	1019533
2789040	LLP12T	12	0.002	3.7	7:1	305	47	113	193	48	–	–	G2130	1019597
2789045	LLP25T	25	0.005	5	5:1	340	60	115	215	55	–	–	G2130	1019659
2789048	LLP35T	35	0.005	8.6	5:1	393	75	126	225	60	–	–	G2130	1019677
2789049	LLP55T	55	0.01	13	5:1	424	75	180	230	76	–	–	G2140	1021156
2789051	LLP75T	75	0.01	16	5:1	470	75	202	260	76	–	–	G2140	1021174
2789039	LLP100T	100	0.05	34	5:1	608	99	255	320	109	–	–	G2140	1021192
2789041	LLP150T	150	0.05	46	4:1	670	99	303	360	109	–	–	G2140	1021218
2789043	LLP200T	200	0.1	82	5:1	700	144	350	350	145	–	–	G2140	1021234
2789044	LLP250T	250	0.1	82	4:1	700	144	350	350	145	–	–	G2140	1021243
2789047	LLP300T	300	0.1	118	5:1	806	150	426	350	160	–	–	G2140	1021252

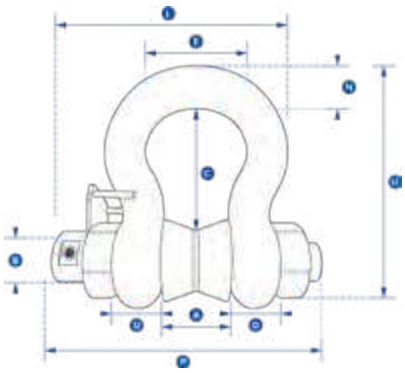
Part Number	Description
ICA1	3 wire 0-10v analogue output
ICA2	3 wire 0-5v analogue output
ICA3	4 wire +/- 10v analogue output
ICA4	3 wire 4-20mA analogue output
ICA5	2 wire 4-20mA analogue output

© 2025 Kito Crosby. All Rights Reserved.

Loadshackle Wired



Requires connection to the Crosby Straightpoint Handheld Plus (HHP) or External Amplifier range (SA-3420) that can be configured to provide 4-20mA output for PLC or data logger integration.



- Capacities of 3.25t to 400t, as well as being obtainable up to 3,000t.
- Compact size, low headroom, lightweight.
- Every Loadshackle is proof tested.
- Utilizes the same advanced microprocessor based electronics as Crosby SP products.
- Unrivaled resolution.
- Environmentally sealed to IP67 or NEMA6.
- Advanced options available for subsea applications.
- Manufactured using Crosby 2130 Carbon and 2140 Alloy Bolt Type Anchor industry leading shackles.
- Configured with output formats to include mV/V, RS-422, RS-485, utilizing the ASCII, MODBUS RTU, and CAN-BUS protocols or supplied with integral amplifier allowing analog outputs such as 4-20mA, 0-10v, 0-5v etc.
- mv/v or analog signal options.
- Design validated by FEA.
- Design Factor: 5:1 when used with load bobbin.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±1% of full scale.

Straightpoint Loadshackle (SLB)

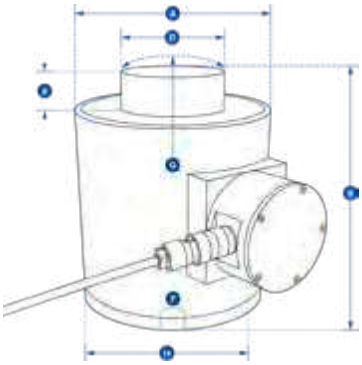
Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)									Crosby Shackle
					A	ØB	C	D	E	H	L	N	P	
2789106	SLB 3.25T	3.25	0.005	2.8	26.9	19.1	56.9	14.46	42.9	106	125	17.5	140	G2130
2789111	SLB6.5T	6.5	0.005	3.2	36.6	25.4	79.7	20.6	58	148	146.5	24.6	163	G2130
2789103	SLB12T	12	0.01	8	51.5	35.1	113	29.5	82.5	210	191	35.1	212	G2130
2789105	SLB25T	25	0.02	18	73	51	170	44.5	127	313	265	57	280	G2130
2789110	SLB55T	55	0.05	25	82.5	57	189.5	51	146	348	296	61	307	G2140
2789112	SLB85T	85	0.05	85	127	83	317	80	190	539	384	85	438	S2135
2789102	SLB120T	120	0.1	125	144	95	364	89	238	624	434	95	478	S2135
2789104	SLB200T	200	0.2	260	180	125	432.2	110	280	769	519.7	120	590	S2135
2789107	SLB300T	300	0.5	405	205	150	505	120	305	904	576.7	140	647	S2135
2789108	SLB400T	400	0.5	662	230	175	547.7	160	325	1006.5	657.2	160	755	S2135

© 2025 Kito Crosby. All Rights Reserved.

Compression Loadcell



- Ranges from 5 t to 1,000 t.
- High grade stainless steel, offering excellent strength and anti-corrosion properties.
- Can be supplied with optional loadcaps.
- Environmentally sealed to IP67 or NEMA6.
- Optional analog outputs.
- Lightweight, compact size.
- 10m cable supplied as standard (other lengths available).
- Custom versions available.
- Design validated by FEA.
- Design Factor: 3:1.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.





Requires connection to the Crosby Straightpoint Handheld Plus (HHP) or External Amplifier range (SA-3420) that can be configured to provide 4-20mA output for PLC or data logger integration.

Straightpoint Compression Loadcell

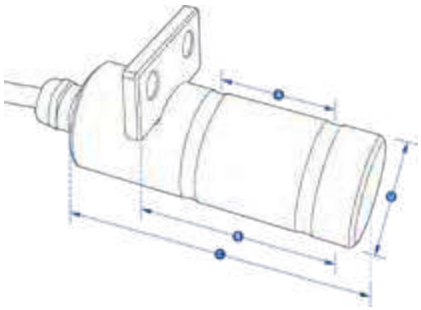
Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)						
					ØA	B	ØD	E	F	G	H
2789068	NI5TC	5	0.001	6.2	100	127	59	16	M18 x 2.5	152	158
2789062	NI10TC	10	0.002	6.2	100	127	59	16	M18 x 2.5	152	158
2789065	NI25TC	25	0.005	6.2	100	127	59	16	M18 x 2.5	152	158
2789067	NI50TC	50	0.01	6.2	100	127	59	16	M20 x 2.5	152	158
2789061	NI100TC	100	0.05	15.5	152	184	80	26	M20 x 2.5	432	204
2789063	NI150TC	150	0.05	15.5	152	184	80	26	M20 x 2.5	432	204
2789064	NI300TC	300	0.1	65	185	300	155	28	M20 x 2.5	432	237
2789066	NI500TC	500	0.2	65	185	300	155	28	M20 x 2.5	432	237
2789275	NI1000TC	1,000	0.5	172	362	310	270	40	M30 x 3.5	950	416

© 2025 Kito Crosby. All Rights Reserved.

Loadpin



- Designed for use in applications where an end of line loadcell cannot be used, meaning an integrated solution is required.
- High tensile stainless steel.
- Supplied complete with an anti-rotation plate as a cabled or wireless solution.
- Built to withstand the harshest environments in industries such as marine and offshore oil and gas.
- Suitable for use in exposed situations and can also be supplied to withstand immersion in seawater at extreme depths.
- Supplied with a 10 m cable as standard, however, usable cable length varies greatly with lengths available to 1,500 m, depending on output format.
- Include mV/V, RS-485, utilizing the ASCII, MODBUS RTU and CAN-BUS protocols or an analog output such as 4-20mA for PLC integration.
- Design validated by FEA.
- Design Factor: 3:1.
- Operating Temperature: -20 to +70 °C.
- Accuracy: ±1% of full scale.
- Protection: IP67 [IP68 available as an option] NEMA6 [NEMA6P available on application].







Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
Ex ia II C T4 Ga

Certification numbers:
LP ATEX
IECEx SIR 16.0041X/Sira 16ATEX2108X
SW-HHP ATEX
IECEx SIR 15.0072X/Sira 15ATEX2196X

Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: LP500KG-ATEX

Note: Please advise cable configuration on order – radial or axial pin exit. If you require a Loadpin to a particular size and design, download the Crosby Straightpoint Loadpin questionnaire and return, POA: kitocrosby.com/loadpin



Requires connection to the Crosby Straightpoint Handheld Plus (HHP) or External Amplifier range (SA-3420) that can be configured to provide 4-20mA output for PLC or data logger integration.

Straightpoint Loadpin (LP)

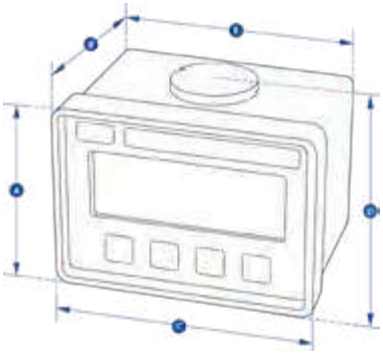
Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)			
					A	B	C	ØD
2789276	LP500KG	500 (kg)	0.2 (kg)	0.9	24	36	70	20
2789277	LP1T	1,000 (kg)	0.5 (kg)	1	35	49	80	20
2789278	LP2.5T	2.5	0.001	1.2	45	70	100	25
2789279	LP3.5T	3.5	0.001	1.4	50	75	105	30
2789280	LP6.5T	6.5	0.002	2	63	95	125	40
2789281	LP15T	15	0.002	3.1	75	114	150	50
2789282	LP25T	25	0.005	5.6	89	152	195	63
2789283	LP50T	50	0.01	8.6	102	178	225	75
2789284	LP100T	100	0.05	11.8	110	190	230	88
2789285	LP250T	250	0.1	29.8	130	220	300	125
2789286	LP500T	500	0.2	79.2	225	370	440	170
2789287	LP750T	750	0.2	146	295	500	590	200
2789288	LP1000T	1,000	0.5	275	360	612	712	250
2789289	LP1500T	1,500	0.5	389	430	731	832	275

© 2025 Kito Crosby. All Rights Reserved.

Loadblock Plus



- The highest standard resolution of any self-indicating compression loadcell on the market today (5,000+ divisions).
- Low capacity, self-indicating compression loadcell.
- Display Type: 6 digit 25mm LCD or 6 digit 1” LCD
- 100Hz peak hold.
- Compact size.
- Push button tare.
- Preset tare.
- Peak hold.
- RS485 port for connection to data-logging system allowing remote viewing.
- Audible set-point alarm and an overload counter.
- Selectable units te, lbs, kN, kg.
- Battery Type: 9v PP3.
- Battery Life: 80 hours continuous.
- Operating Temperature: -10°C to 50°C.
- Accuracy: ±0.1% of full scale.
- Protection: IP65 / NEMA4X.



Straightpoint Loadblock Plus (LBP)

Stock No.	Model	Capacity (t)	Resolution (t)	Weight (kg)	Dimensions (mm)				
					A	B	C	D	E
2789035	LBP250KG	250 (kg)	0.1 (kg)	0.9	81	81	113	90	104
2789037	LBP500KG	500 (kg)	0.2 (kg)	0.9	81	81	113	90	104
2789034	LBP1T	1	0.0005	0.9	81	81	113	90	104
2789036	LBP2T	2	0.001	1.5	92	117	112	104	–
2789038	LBP5T	5	0.001	3.1	92	136	112	115	–

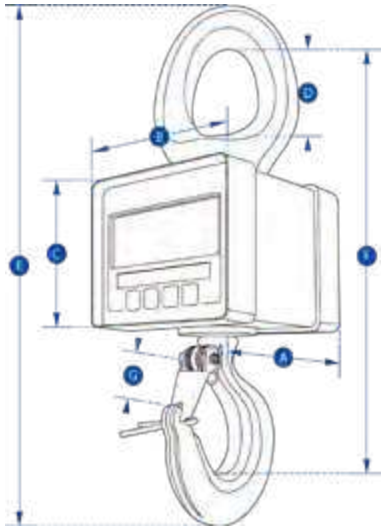
© 2025 Kito Crosby. All Rights Reserved.

Miniweigher Plus



Optional connection to the Crosby SP Handheld Plus – Crosby SP Part Nos. HHP 2789459.

- Compact size and lightweight.
- Capacities from 100 kg to 5 t.
- Large 25mm LCD display.
- High accuracy.
- Selectable Units te, lbs, kN, kg.
- Highest resolution of any compact digital crane scale on the market.
- Peak hold.
- Preset tare.
- Overload counter.
- 90dB audible set point alarm.
- RS-485 serial output.
- Corrosion-resistant finish.
- Battery Type: 9v PP3.
- Battery Life: 80 hours continuous.
- Display Type: 6 digit 25mm LCD.
- Operating Temperature: -10°C to +50°C.
- Accuracy: ±0.1% of full scale.
- Protection: IP65 / NEMA4X.



Straightpoint Miniweigher Plus (MWP)

Stock No.	Model	Capacity	Resolution	Weight (kg)	Design Factor	Dimensions (mm) A	B	C	D	E	F	G
2789055	MWP100KG	100 (kg)	0.05 (kg)	1.5	10:1	81	112	81	33	222	183	22
2789057	MWP250KG	250 (kg)	0.1 (kg)	1.5	5:1	81	112	81	33	222	183	22
2789059	MWP500KG	500 (kg)	0.2 (kg)	1.5	5:1	81	112	81	33	222	183	22
2789056	MWP1T	1,000 (kg)	0.5 (kg)	1.5	5:1	81	112	81	33	222	183	22
2789058	MWP2T	2 (t)	0.001 (t)	3.1	5:1	117	112	92	43	283	238	28
2789060	MWP5T	5 (t)	0.001 (t)	8.7	5:1	136	112	92	62	349	286	42

© 2025 Kito Crosby. All Rights Reserved.

Setting the standard in cell tower securement

Kito Crosby offers a wide range of solutions for the cell tower industry. Our products go through rigorous testing to ensure optimal functionality and safety ratings.

Blocks & overhaul balls
Turnbuckles
Shackles
Wire rope clips
Tension meters
Load monitoring technologies



Clamp On Line Tension Meter (COLT)



Bolt On Line Tension Meter (BOLT)



BlueLink

kitocrosby.com



CAMERA SYSTEMS

Visual and audio crane block alert technology that improves safety, communication, and productivity

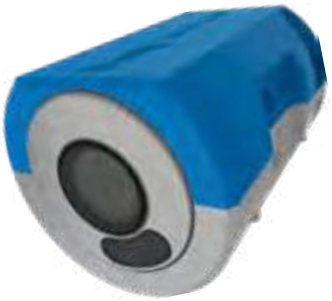
kitocrosby.com

Crosby

Innovative wireless camera & audio alert systems for cranes

BlokCam is a wireless system that can be quickly and easily deployed to the hook block or boom tip of a crane. The sound and view from below the camera is then transmitted and received wirelessly via the antenna systems to a screen in the cab.

This allows the operator to see and hear the load and surroundings, giving an unobstructed, live, audio/visual feed of the critical areas that working in the blind would never allow.



How BlokCam works

1. On the hook block and/or boom tip

The sensor captures the audio/visual feed and sends it to the transmitter. The signal is then transmitted to a repeater on the jib, boom, or cab.

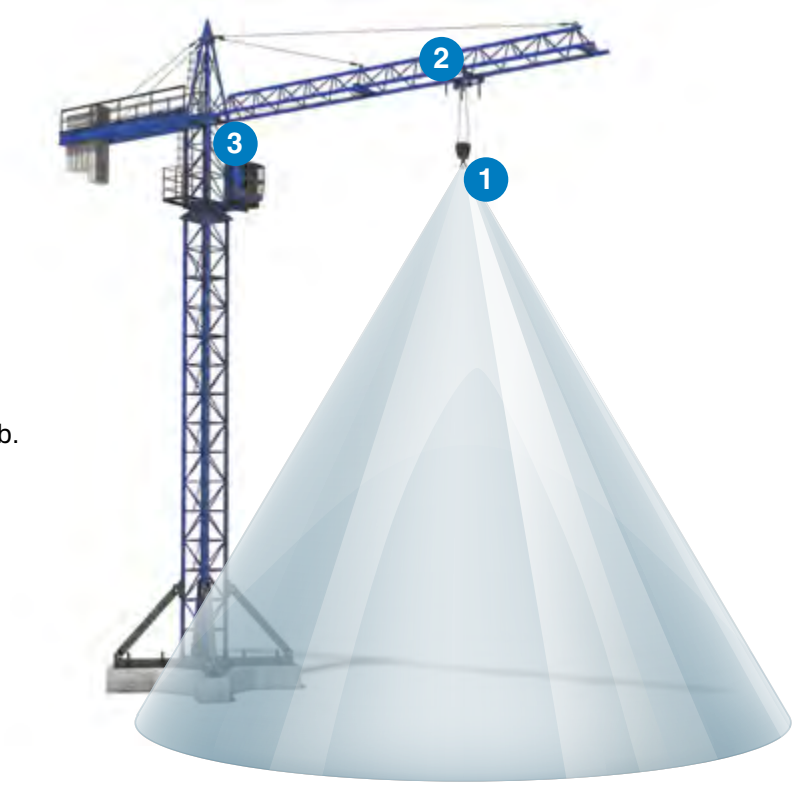
The battery powers both the transmitter and the sensor. Each component attaches magnetically and can be mounted on the block, including between the cheek plates and on the boom tip.

2. Repeater on the jib/boom and/or cab

The repeater receives the wireless signal from the transmitter and is relayed back to a monitor in the cab. The repeater position and configuration is dependent on the type of crane, type of jib/boom and length of jib/boom.

3. In the operator's cab

The live audio-visual feed is then processed and displayed on the screen positioned inside the cab, allowing the operator to see and hear live footage of everything below the camera.



Testimonials

"Baker | DC and our crane operators have been using BlokCam cameras for more than 3 years. Our crane operators now are requesting BlokCams on cranes whenever their new projects start-up. On our Wharf project in Washington DC we had 5 tower cranes, each equipped with a BlokCam and Office Link. While the cameras allow our operators to safely and confidently make picks when in the blind, the Office Link and its ability to record the camera footage has proven to be invaluable at improving job-site efficiency and providing historical information for safety training and job-site documentation."

Jason Rhine
Project Executive
Baker | DC

"HTC started working with Crosby BlokCam in 2015 - on first impressions we were very impressed by the level of expertise and professionalism of this company. We are proud to work in partnership with Crosby BlokCam and are delighted with the service which we are able to provide to our customers. It is great to work with such a forward-thinking and proactive company. Crosby BlokCam's experience and knowledge of the crane industry has allowed them to develop and offer the highest quality system on the market. Therefore, we are looking forward to many more years of working together."

Elliott Simpson
Accessories Manager
WOLFF Onsite

"BlokCam is one of the best investments London Tower Cranes has made. The quality, ability, and value of their camera system is second to none. We have found the BlokCam to be an invaluable asset for the crane operators, lifting teams and business as a whole."

Martin Harvey
Managing Director
London Tower Cranes

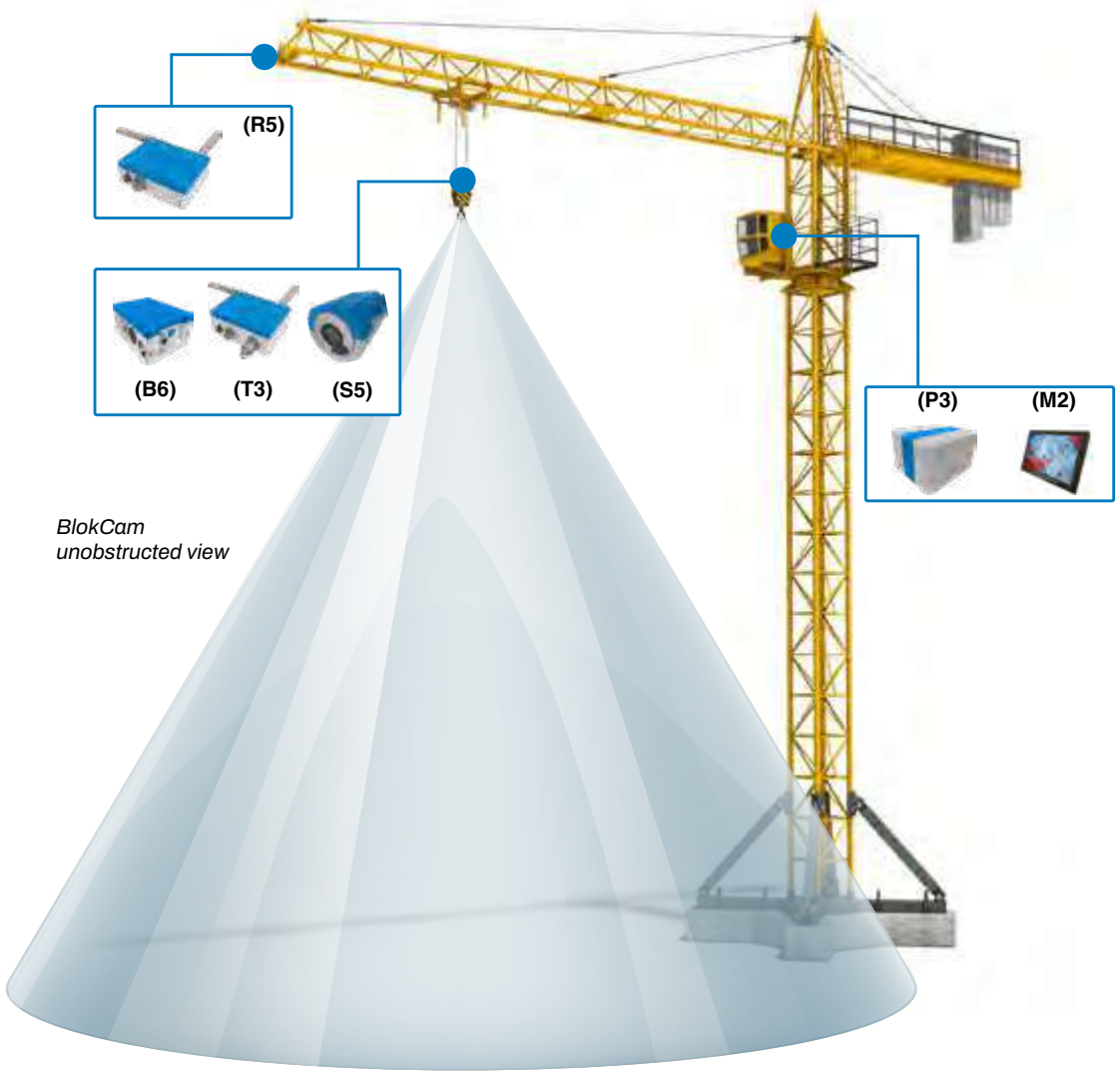
© 2025 Kito Crosby. All Rights Reserved.

BlokCam X3L Camera System

for tower cranes | Part # 7380008

Design Overview

- Easy and quick to install; can be fitted within an hour.
- Uses high powered neodymium magnets.
- The lens is auto-focus and always gives clear views of the load and surrounding area below the hook.
- HD 1080p resolution.
- Audio from sensor to cab.
- Optional single and split screen mode with additional cameras.
- Long range transmission.
- Record on loop for up to 30 days.
- Purpose built aluminum housing.
- Multiple built in lanyard anchors.
- Safety lanyard provides secondary security tethering.
- Hands-free operation.
- Multi positional sensor for variable views.
- LED indicators.
- Two batteries per system.
- 12 hour battery life.
- Multi-voltage AC and DC inputs.
- Durable all-weather design, manufactured to IP67 rating.
- -20°C to 55°C operating temperature.
- Optional mobile app and 4G live streaming.
- CE and FCC approved.
- High-quality industrial connectors.
- Color-coded connectors.



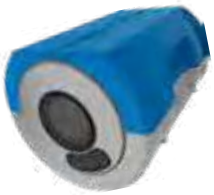
Hook-mounted safety system and accessories available at kitocrosby.com/blokcam.

© 2025 Kito Crosby. All Rights Reserved.

Modular design, compatible across a wide variety of cranes[1]



What's included with the BlokCam X3L system



Sensor (S5)

Part # 7370022

The S5 is a 113° wide angle lens. The low profile design, tool-free operation, and rotatable lens allow for easy installation on any side of the hook block, including between the cheek plates.



Transmitter (T3)

Part # 7370023

T3 dramatically improves the most important aspects of the BlokCam. The combination of performance, specification, aesthetics, and 71mm low profile design make this a must for all crane operations. Connect up to two sensors.



Battery (B6)

Part # 7370032

B6 is a non hazardous lithium 14.54v batterypPack. The clever tool-free design and easy grip finger slots makes it easy to install, remove, and charge. IP67.



Charger (B6-CH3)

Part # 7360033

Our li-ion charger is designed to improve the efficiency of your BlokCam batteries and the performance of the camera system.



Repeater (R5)

Part # 7370020

The Repeater is mounted on the jib, boom tip, or cab, depending on the crane type and required installation. It has been specifically designed for fast, wireless, telescopic deployment.



Monitor (M2)

Part # 7360019

Our HD Monitor is a 10.1-inch 16:9 LCD display with built in speakers and HDMI input. It has a 1280 x 800 pixel panel with automatic brightness control.



Processor (P3)

Part # 7370029

Our purpose-built Processor can project multiple high definition images and audios through a single HDMI lead with less than 0.2 seconds of latency. The design of the Processor accomodates multivoltage AC and DC inputs, making the BlokCam system compatible across all types of cranes. The Processor also provides power to the monitor, eliminating the need for a secondary socket or power supply.

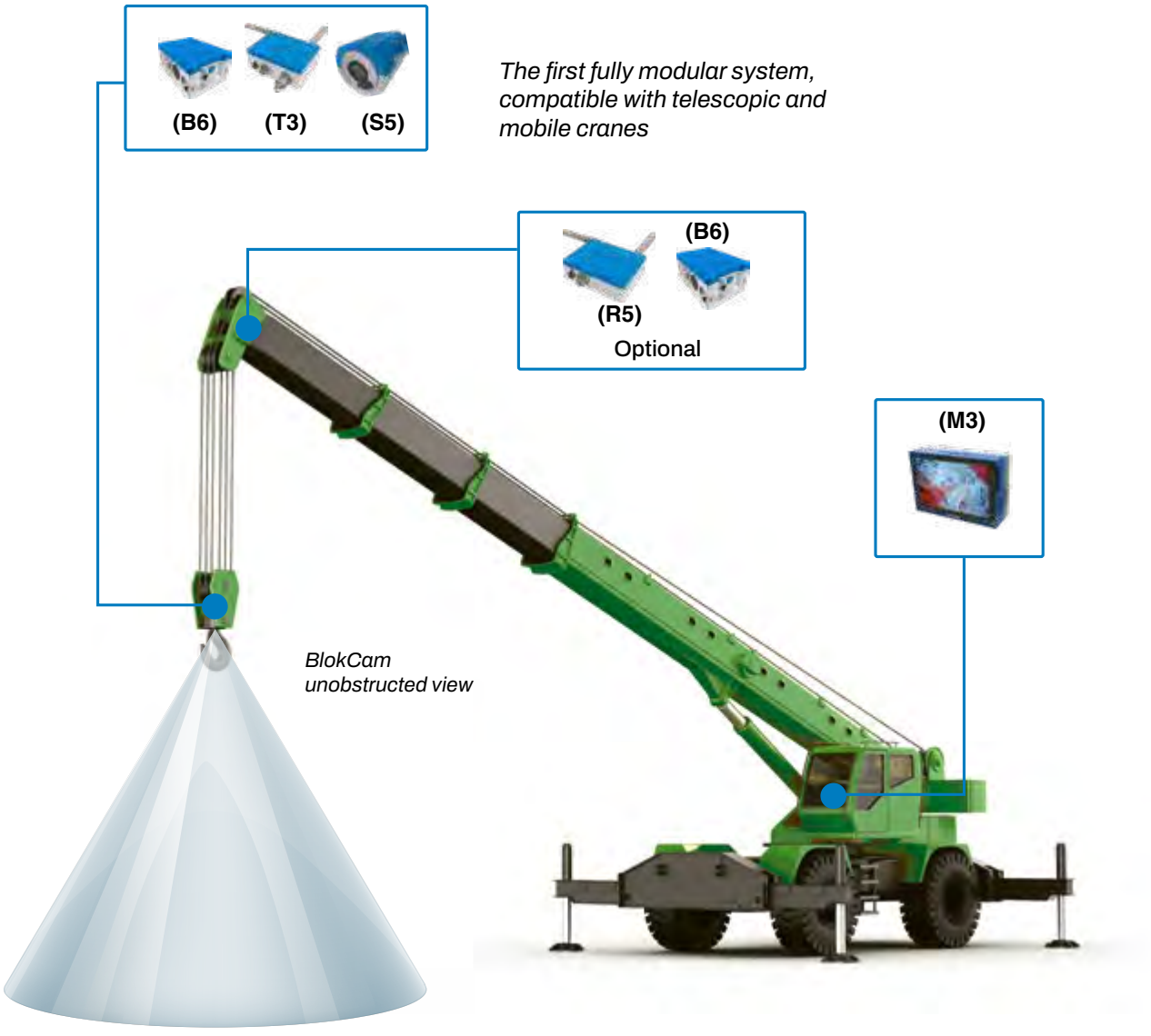
© 2025 Kito Crosby. All Rights Reserved.

BlokCam M3L Camera System

for mobile & telescopic cranes | Part # 7380009

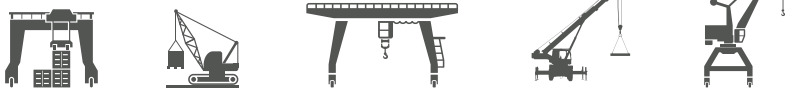
Design Overview

- Specifically designed for the mobile and crawler market.
- Can be installed and removed within five minutes.
- Uses high powered neodymium magnets.
- The lens is auto-focus and always gives clear views of the load and surrounding area below the hook.
- HD 1080p resolution.
- Audio from sensor to cab.
- Long range transmission.
- Record on loop for up to 30 days.
- Purpose built aluminum housing.
- Multiple built in lanyard anchors.
- Safety lanyard provides secondary security tethering.
- Hands-free operation.
- Multi positional sensor for variable views.
- LED indicators.
- Two batteries per system.
- Non hazardous battery.
- 12-hr battery life.
- Multi-voltage AC and DC inputs.
- Durable all-weather design, manufactured to IP67 rating.
- -20°C to 55°C operating temperature.
- Optional mobile app and 4G live streaming.
- CE and FCC approved.
- High quality industrial connectors.
- Color coded connectors.

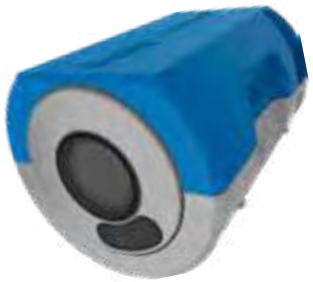


© 2025 Kito Crosby. All Rights Reserved.

Modular design, compatible across a wide variety of cranes[1]



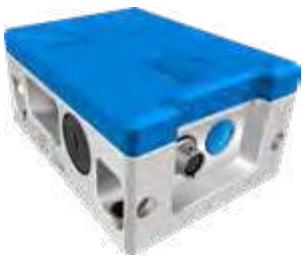
What's included with the BlokCam M3L system



Sensor (S5)
Part # 7370022
The S5 is a 113° wide angle lens. The low profile design, tool-free operatio,n and rotatable lens allows for easy installation on any side of the hook block, including between the cheek plates.



Transmitter (T3)
Part # 7370023
T3 dramatically improves the most important aspects of the BlokCam. The combination of performance, specification, aesthetics, and 71mm low-profile design make this a must for all crane operations. Connect up to two sensors.



Battery (B6)
Part # 7370032
B6 is a non-hazardous lithium 14.54v battery pack. The clever tool-free design and easy grip finger slots makes it easy to install, remove, and charge. IP67.



Monitor (M3)
Part # 7370014
The M3 is an all in one display that combines a monitor, repeater and processor in to a purpose built fast fit system. The M3 has a HD display with built in speakers, automatic brightness control, less than 0.2 seconds of latency and multi-voltage AC and DC inputs.



Charger (B6-CH3)
Part # 7360033
Our li-ion charger is designed to improve the efficiency of your BlokCam batteries and the performance of the camera system.

Hook-mounted safety system and accessories available at kitocrosby.com/blokcam.

© 2025 Kito Crosby. All Rights Reserved.

BlokCam Accessories



BlokCam Office Link (OL1)

Part # 7370015

BlokCam Office Link allows the data from your BlokCam to be captured in a jobsite office for site and crane monitoring and surveillance. Your host computer can monitor and download data from multiple systems.



4G Router (30184)

Part # 7350026

With a 4G router connected to your BlokCam system you can live stream crane footage and extract recordings from anywhere in the world [2].



V-Cam (VC4)

Part # 7370025

The Versatile-Cam is our hardwired option, which gives you the ability to expand your BlokCam system to include additional sensors. The build quality of the VC4, coupled with its non-intrusive size and mounting versatility, means it can be deployed in seconds and used in a multitude of scenarios. Ideal for visual monitoring and data logging of the hoist drum, luffing drum, slew ring, tail swing, and the operator's cab.



V-Cam (VC4a)

Part # 7370026

The VC4a is our hardwired camera with a built in microphone, which is most commonly used for audio-visual monitoring and data logging of the operator's cab.



BlokMag (BM1)

Part # 7370009

Attach your crane camera system to a hook block with a curved surface. Flat, spherical, cylindrical, narrow, short, or tall, our modular BlokMag system allows flat surfaces to magnetically mate with curved surfaces flawlessly.





BlokLink

Part # 7370031

Complete with hook and bow, attach your crane camera system to a crane where you cannot if the block has a curved surface. Flat, spherical, cylindrical, narrow, short, or tall, our BlokLink is the solution to provide a flat surface for your BlokCam or BlokAlert.

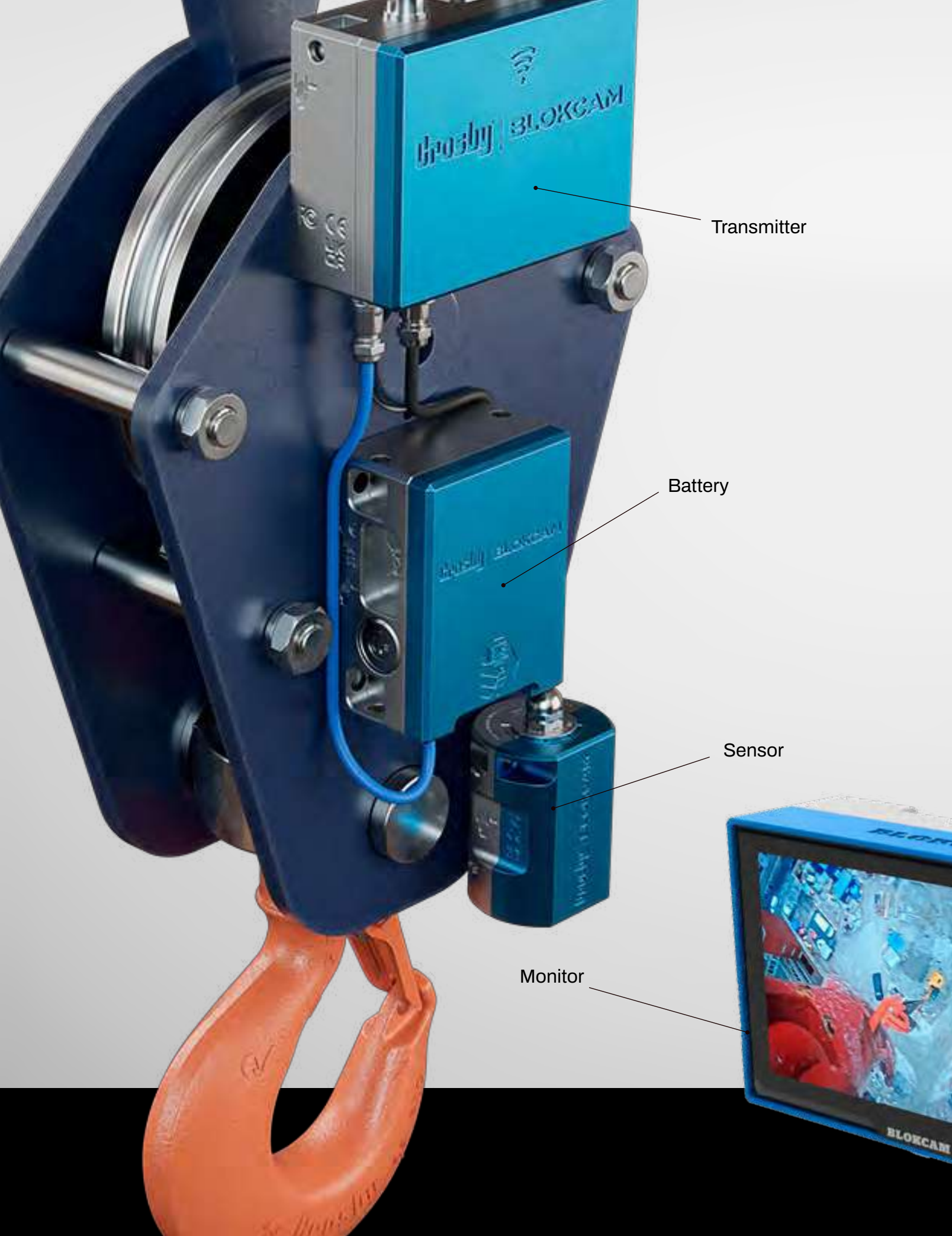
Hook-mounted safety system and accessories available at kitocrosby.com/blokcam.

References

1. Subject to crane make/model.
2. Subject to availability of a suitable mobile network (data charges apply).
3. Battery life varies by use and configuration.
4. IP67 rating excludes IP65 audio sensor and sounder.
5. Transmission distance may vary depending on the environment.

*Actual product may differ from rendered image

© 2025 Kito Crosby. All Rights Reserved.


Transmitter
Battery
Sensor
Monitor

Improve safety, communication & productivity on your job site

Innovative wireless camera & audio alert systems for mobile, telescopic, or tower cranes

Crosby BlokCam is a wireless system that can be quickly and easily deployed to the hook block or boom tip of a crane.

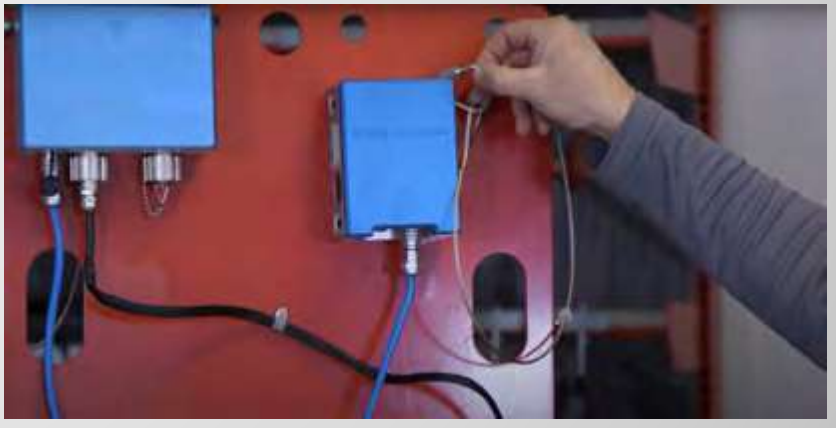
The sound and view from below the camera is then transmitted and received wirelessly via the antenna systems to a screen in the cab.

This allows the operator to see and hear the load and surroundings, giving an unobstructed, live, audio/visual feed of the critical areas that working in the blind would never allow.

Watch this demo video on how fast and easy it is to install the Crosby BlokCam system

kitocrosby.com/blokcam-install









Crosby®

Innovative wireless audio/visual alert system for cranes



BlokAlert is a wireless audio/visual warning system that can be quickly and easily deployed to the hook block of a crane. When activated by the lifting crew, the BlokAlert receiver gives out a recognizable signal that can be seen and heard by site personnel in proximity to the hook block or load.

This forewarns the workers to the position and movements of the hook block, increases awareness, and reduces the risk of people and assets being struck by the crane's hook block, lifting accessories, or load.



Traditionally, the distance between the horn, often located near the operator's cab, and the load is inconsistent and does not efficiently warn site personnel to the position of the hook block or load.

The same can be said for air horns or whistles when used by riggers. In both scenarios, the attention of the workers is diverted to *where the sound is coming from*, as opposed to the hazard itself.

Solution: A warning system fitted directly to the hook block. When activated, the consistent proximity between the hook block and the load enhances the efficiency of the warning system and draws attention *to the hazard*, not away from it.

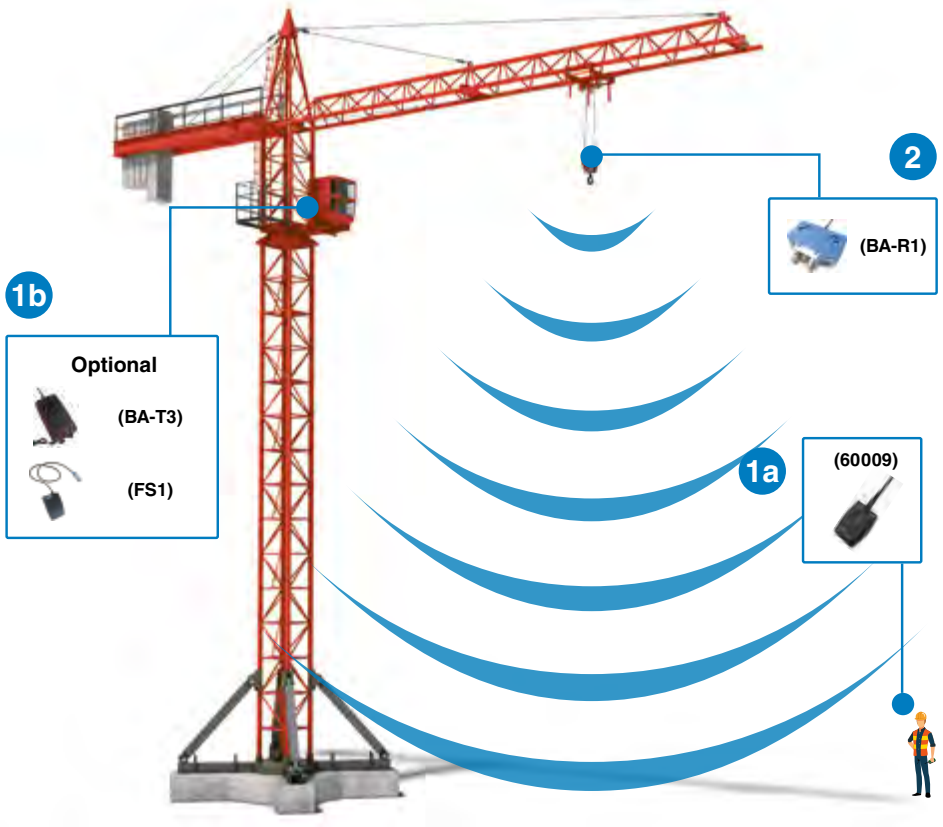
How BlokAlert works

1a The lifting crew/rigger
The handheld fob is activated by the riggers or lifting crew. When operated, the signal is transmitted to the receiver on the hook block of the crane.

and/or

1b In the operator's cab
The transmitter is activated by a footswitch in the crane cab. When operated, the signal is transmitted to the receiver on the hook block of the crane.

2 On the hook block
On receipt of a signal from a transmitter, the Receiver is activated, alerting the workforce to the proximity of the hook block.



© 2025 Kito Crosby. All Rights Reserved.

BlokAlert System

Part #7380016

Design Overview

- Uses high powered neodymium magnets.
- Easy to install, remove, and charge.
- Two handheld transmitters per system.
- Easy to use, multifunction operation.
- 2 x 78db – 107db electronic sounders.
- 180° LED beacon.
- Choice of four beacon colors:
- Pair transceivers with the push of a button.
- Built in Lithium Ion battery with 124-hr battery life.
- Built in, fold away carry handles.
- Long range transmitter and receiver.
- Purpose built aluminum housing.
- Built in lanyard anchors.
- Safety lanyard provides secondary security tethering.
- LED power indicator.
- 3.39 inch low profile design.
- Durable all-weather design, manufactured to IP67 rating.
- -10°C to 50°C operating temperature.
- Easy access fuse.
- High quality industrial charge connector.
- Optional cab transmitter.
- CE and FCC approved.

Modular design, compatible across a wide variety of cranes



What's included with BlokAlert



BlokAlert Receiver (BA-R2) Part #7370040

Along with the LED Beacon, the BlokAlert Receiver is capable of up to 528 different audible warnings. This audio-visual warning system, combined with great functionality, performance, and design makes this a must for all lifting operations.

Size & Weight (excluding antenna)

Height:	173mm
Width:	210mm
Depth:	86mm
Weight:	3,400g



BlokAlert Fob – 4-Button (60009) Part #7360040

The BlokAlert Fob allows the riggers to operate multiple BlokAlert systems across your job site.

- Two four-button fobs per system
- Rugged design complete with neck lanyard
- Eight- and 16-button fobs available on request

BlokAlert Accessories



BlokAlert Transmitter (BA-T3)

Part #7370042

Through the use of the Footswitch, the BlokAlert Transmitter gives the crane operator hand-free operation of the BlokAlert system.



BlokAlert Footswitch (FS1)

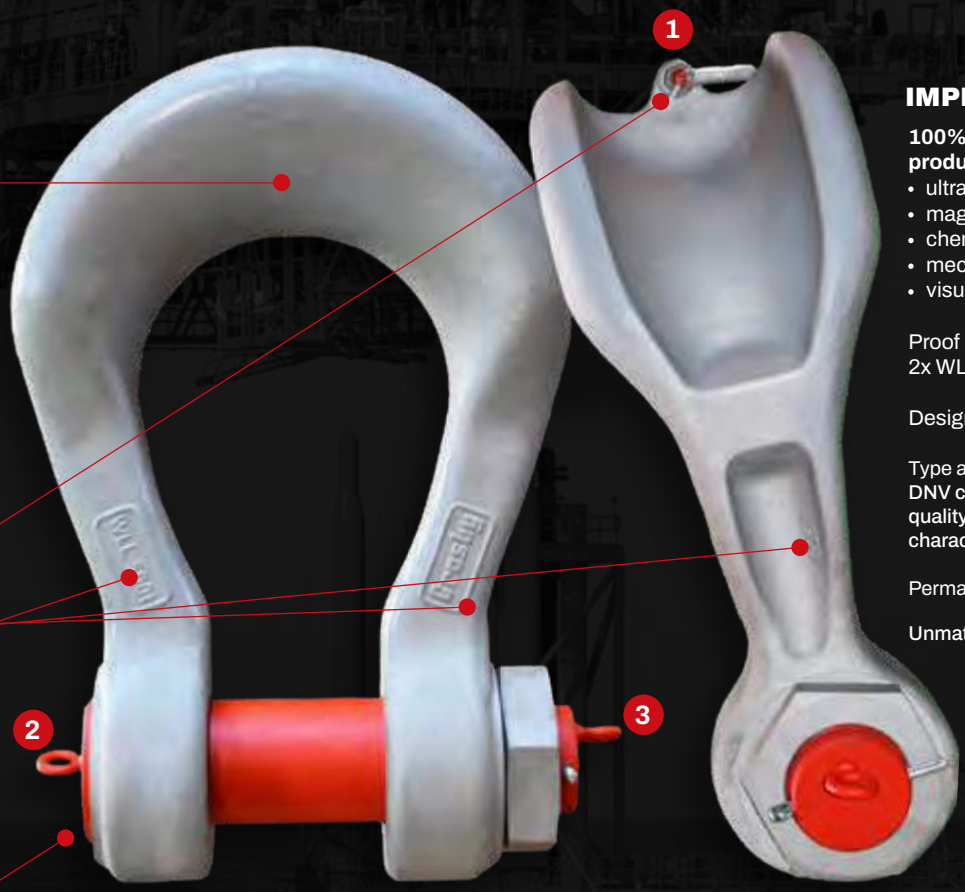
Part #7360017

The Footswitch provides hands-free operation of the BlokAlert Transmitter and is easy to install.

© 2025 Kito Crosby. All Rights Reserved.

HEAVY LIFTING REDEFINED

The new G-2160, from the manufacturer that brought you the original wide body shackle



SAVE ON SLING COST

Widest bow on the market, allows higher efficiency of sling and smaller sling size

SAVE TIME

Enhanced handling with three lift points: center rib bow and both sides of pin [1,2,3]

Removeable recessed lift point reduces snags and simplifies assembly

Permanent raised markings for easy field identif cation

Bow-to-bow assembly suitable for all sizes, unlike other brands

Easy-Loc™ available for 400t, 500t, and 600t

Anti-rotation bolt head prevents turning during installation

IMPROVE SAFETY

100% comprehensive production testing

- ultrasonic inspection
- magnetic particle inspection
- chemical analysis
- mechanical material testing
- visual inspection

Proof load tested up to 2x WLL

Design factor 5:1

Type approved and DNV certified, which validates quality, safety, and performance characteristics

Permanent raised markings

Unmatched transparency

Engineered to the highest standards. New design available from 400t to 2,000t.
Seamless Crosby SP Loadpin integration available, shipped from factory.
Download the free white paper to learn more.

Crosby®

KITO CROSBY™

kitocrosby.com/widebody



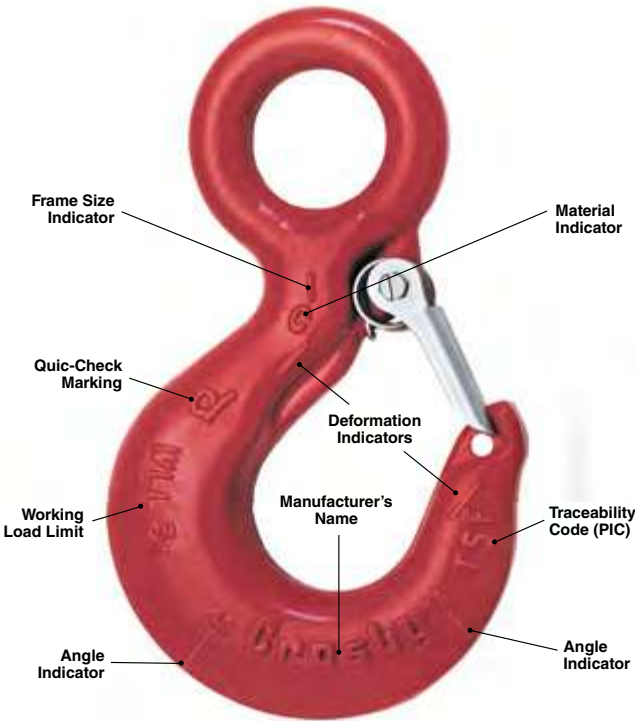
HOOKS & SWIVELS

The most extensive range of innovative solutions with the latest safety features – a hook for every lift

kitocrosby.com

- **Application information:** Application and warning information is available for Crosby hooks. The Crosby Warning System is designed to attract the attention of the user, clearly inform the user of the factors involved in the task, and provide the user with proper application procedures. Each Crosby hook is tagged with appropriate application and warning information, thus ensuring that the information is available at the point of application.
- **Charpy impact properties:** Crosby's Quenched & Tempered® hooks have enhanced impact properties for greater toughness at all temperatures. Crosby can provide typical Charpy impact properties on selected sizes upon special request at the time of order.
- **Fatigue properties:** Typical fatigue properties are available for selected sizes. In addition, these properties will be provided upon special request for other sizes.
- **Ductility properties:** Crosby provides results of actual test values for ductility of the material. These results are measured by reduction of area and elongation. This is done for each production lot and is traceable by the Product Identification Code (PIC).
- **Tensile strengths:** Crosby provides hardness, tensile, and yield strength for each production lot of hooks, traceable by the PIC.
- **Material analysis:** Crosby can provide certified material (mill) analysis for each production lot, traceable by the PIC. Crosby, through its own laboratory, verifies the analysis of each heat of steel. Crosby purchases only special bar forging quality steel with specific cleanliness requirements and guaranteed hardenability.
- **Field inspection:** Written instructions for visual, magnaflux, and dye penetrant inspection of hooks are available from Crosby. In addition, acceptance criteria and repair procedures for hooks are available.
- **Proof testing:** If requested at the time of order, hooks can be furnished proof tested with certification. All SHUR-LOC® hooks (clevis and eye styles) are 100% proof tested with certificates.
- **Magnetic particle certification:** If requested at the time of order, hooks can be magnetic particle inspected with certification.
- **World-class certification:** Certification to world standards can be furnished upon request at the time of order. Specific standards include American Bureau of Shipping, Lloyds Register of Shipping, Det Norske Veritas, American Petroleum Institute, RINA, Nuclear Regulatory Commission, and other worldwide standards.
- **Bronze hooks:** Crosby provides bronze shank hooks for non-sparking applications.
- **QUIC-CHECK®:** Hooks incorporate markings forged into the product which address two QUIC-CHECK features:
  Deformation Indicators: Two strategically placed marks, one just below the shank or eye and the other on the hook tip, which allows for a QUIC-CHECK measurement to determine if the throat opening has changed, thus indicating abuse or overload.
  Angle Indicators: Indicates the maximum included angle which is allowed between two sling legs in the hook. These indicators also provide the opportunity to approximate other included angles between two sling legs.
- **McKissick® Split-Nut® Hook Retention System:** Shank hooks on crane blocks must be inspected in accordance with applicable ASME B30, CSA Z150, and other crane standards. These standards mandate the crane hook to be inspected for surface indications, damage and corrosion which could compromise the integrity of the crane block. Because of the type of environment in which these hooks are required to perform, the removal of corroded nuts from the threads can become a problem during inspections. The innovative, patented system is available on Crosby shank hooks. With four easy steps, the hook can be disassembled, inspected and put back into service in a fraction of the time of a conventional threaded nut.

Hook Identification

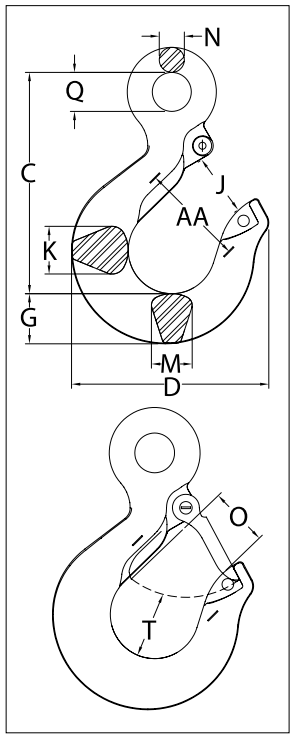


© 2025 Kito Crosby. All Rights Reserved.

L-1327



- For use with wire rope. Suitable for use with Grade 100 and Grade 80 chain. Working load limit needs to be de-rated to achieve a 5:1 design factor.
- Forged alloy steel, Quenched & Tempered.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- 25% stronger than Grade 80.
- Eye Sling Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)
- When secured with the proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) for personnel lifting.
- Individually Proof Tested to 2.5 times the Working Load Limit with certification.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.



Crosby 8/10™ Filligree Field QUIC-CHECK® Q&T

APPLICATION AND WARNING INFORMATION
SECTION 17

L-1327 Eye Sling Hook

Grade 10 Alloy Chain Size		Working Load Limit (t)	Hook ID Code	Stock No.	Weight Each (kg)	Dimensions (mm)											Replacement Latch Stock No.
(in)	(mm)					C	D	G	J	K	M	N	O	Q	T	AA*	
-	6	1.45	DA	1025860	.23	84.8	72.9	18.5	22.9	16.0	16.0	9.1	22.6	19.1	22.1	38.1	1096325
1/4-5/16	7 - 8	2.6	HA	1025869	.59	107	99.1	26.2	30.0	19.1	19.1	12.7	29.2	19.1	29.5	50.8	1096468
3/8	10	4.0	IA	1025878	1.04	127	110	30.2	38.9	30.2	25.4	14.2	35.6	23.9	31.2	63.5	1096515
1/2	13	6.8	JA	1025887	2.04	161	144	36.6	45.2	34.8	29.7	18.3	42.4	28.4	47.8	76.2	1096562
5/8	16	10.3	KA	1025896	3.81	189	172	47.8	60.5	42.2	36.6	22.4	56.1	33.3	51.6	102	1096609
3/4	18-20	16.0	KA	1025915	6.80	230	189	57.2	58.2	47.8	41.4	28.2	52.8	62.0	62.7	102	1096609
7/8	22-23	20.0	LA	1025924	9.39	256	211	65.8	63.5	55.6	49.3	32.3	57.7	72.1	66.5	102	1096657
1	26	27.1	NA	1025933	17.9	326	262	76.2	83.8	68.3	60.5	39.6	76.7	88.9	71.9	127	1096704
1 1/4	32	41.0	PA	1025942	47.6	462	357	116	108	95.3	81.0	50.8	76.2	114	98.6	178	1093717

4:1 Design Factor. *Deformation indicators.



Hook Ductility: Compare an 'as forged' hook to the superior quality of a Crosby® Quenched & Tempered® hook. Watch video at **kitocrosby.com/QT**

© 2025 Kito Crosby. All Rights Reserved.

S-319/S-319N



- The most complete line of shank marked hooks. Available 3/4 to 300 metric tons.
- Hook Identification code marked into each hook.
- All carbon and alloy hooks are quenched and tempered.
- Quenched & Tempered.
- Available in carbon steel, alloy steel, and bronze.
- Proper design, careful forging, and precision controlled quench and tempering give maximum strength without excessive weight and bulk.
- Every Crosby Shank Hook has a pre-drilled cam which can be equipped with a latch. Simply purchase the Crosby latch assemblies. Even years after the purchase of the original hook, latch assemblies can be added.
- Type Approval Certification in accordance with ABS 2016 Steel Vessels and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.
- Patented McKissick Split-Nut retention system available.
- Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)
- Chemical analysis and tensile tests performed on each PIC to verify chemistry and mechanical properties.
- See Section 17 for guidance on minimum thread size after machining.

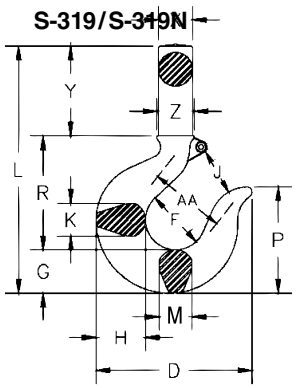
S-319 / S-319N Shank Hook

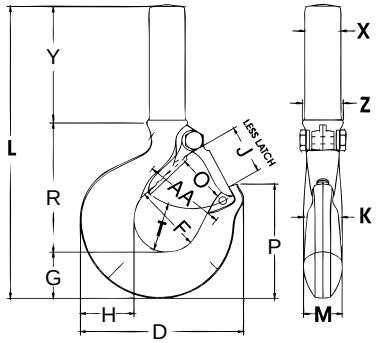
APPLICATION AND WARNING INFORMATION SECTION 17

Working Load Limit (t)			Hook ID Code	Shank Hooks Stock No.			Shank Length ‡	Weight Each (kg)	Optional Latch Kits		
Carbon	Alloy	Bronze		Carbon S-319C S-319CN	Alloy S-319A S-319AN	Bronze S-319BN			S-4320 Stock No.	PL Stock No.	SS-4055 Stock No.
0.75	1.25	.5	†D	1028505	1028701	1028900	Std.	.23	1096325	-	-
1	1.6	.6	†F	1028514	1028710	1028909	Std.	.34	1096374	-	-
1.6	2.5	1	†G	1028523	1028723	1028918	Std.	.45	1096421	-	-
2	3.2	1.4	†H	1028532	1028732	1028927	Std.	.83	1096468	-	-
3.2	5.4	2	†I	1028541	1028741	1028936	Std.	1.67	1096515	1092000	-
5	8.0	3.5	†J	1028550	1028750	1028945	Std.	3.29	1096562	1092001	-
7.5	11.5	5	†K	1028563	1028765	1028954	Std.	6.12	1096609	1092002	-
10	16	6.5	†L	1028590	1028792	1028981	Std.	9.9	1096657	1092003	-
15	22	10	†N	1028599	1028801	1028990	Std.	17.4	1096704	1092004	-
20	30	-	O	1024386	1024803	-	Std.	32.7	-	1093716	1090161
20	30	-	O	1024402	1024821	-	Long	38.8	-	1093716	1090161
25	37	-	P	1024420	1024849	-	Std.	61	-	1093717	1090189
25	37	-	P	1024448	1024867	-	Long	78	-	1093717	1090189
30	45	-	S	1024466	1024885	-	Std.	83	-	1093718	1090189
30	45	-	S	1024484	1024901	-	Long	97	-	1093718	1090189
40	60	-	T	1024509	1024929	-	Std.	122	-	1093719	1090205
40	60	-	T	1024545	1024965	-	Long	142	-	1093719	1090205
50	75	-	U	1024563	1024983	-	Std.	177	-	1093720	-
50	75	-	U	1024581	1025009	-	Long	193	-	1093720	-
-	100	-	W	-	1025027	-	Std.	277	-	1093721	-
-	100	-	W	-	1025045	-	Long	306	-	1093721	-
-	150	-	X	-	1025063	-	Std.	333	-	1093721	-
-	200	-	Y	-	1025081	-	Std.	463	-	1093723	-

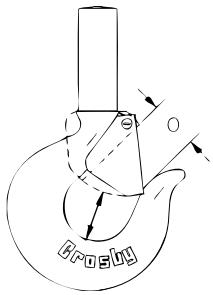
Maximum allowable Proof Load is 2 Times Working Load Limit. All carbon hooks designed with a 5:1 design factor. All alloy hooks 1 through 22t designed with a 4.5:1 design factor. All alloy hooks 30t and larger designed with a 4:1 design factor. All bronze hooks designed with a 4:1 design factor. †New 319N style hook. ‡See column "Y" on following page for actual length.

© 2025 Kito Crosby. All Rights Reserved.









4

S-319 / S-319N Shank Hook

Hook ID Code	Dimensions (mm)																	
	D	F	G	H	J	K	L	M	O	O2 ††	P	R	T	T2 ††	X	Y	Z	AA*
†D	72.5	31.8	18.5	20.6	23.6	16.0	131	16.0	†23.6	-	49.8	59.5	24.6	-	15.0	52.5	17.5	38.1
†F	80.5	35.1	21.3	23.9	24.6	18.0	144	18.0	†24.6	-	56.5	66.0	24.6	-	19.3	57.0	19.8	50.8
†G	91.0	38.1	25.4	29.5	26.9	22.4	161	22.4	†26.9	-	62.0	70.0	26.2	-	18.3	66.0	22.4	50.8
†H	102	41.1	29.0	33.3	30.2	23.9	181	23.9	†29.5	-	70.5	80.5	29.5	-	22.4	72.0	25.4	50.8
†I	123	51.0	36.6	41.4	38.1	33.3	219	28.7	†34.5	25.4	88.0	98.0	38.9	38.1	29.5	87.5	31.8	63.5
†J	160	63.5	46.2	52.5	45.2	42.2	265	36.6	40.9	33.3	117	121	49.3	47.8	35.8	97.5	39.6	76.2
†K	192	76.0	57.5	67.0	61.0	47.8	318	41.4	53.0	46.0	133	149	62.5	57.2	46.0	111	49.3	101
†L	212	82.5	66.0	74.5	66.5	55.5	409	49.3	57.5	51.0	151	162	66.0	58.7	51.0	178	55.5	101
†N	263	108	76.5	89.0	86.5	68.5	461	60.5	76.5	69.9	175	207	71.5	65.0	65.0	178	67.0	127
O	346	127	92.0	117	102	76.0	586	76.0	82.5	-	223	240	87.5	-	79.0	254	79.0	165
O	346	127	92.0	117	102	76.0	790	76.0	82.5	-	223	240	87.5	-	79.0	457	79.0	165
P	357	137	116	127	108	92.0	816	76.0	76.0	-	287	318	98.5	-	102	381	102	177
P	357	137	116	127	108	92.0	1044	76.0	76.0	-	287	318	98.5	-	102	610	102	177
S	392	152	129	140	121	94.5	867	82.5	86.0	-	319	356	121	-	106	381	106	203
S	392	152	129	140	121	94.5	1095	82.5	86.0	-	319	356	121	-	106	610	106	203
T	470	178	152	165	146	113	916	99.5	105	-	375	395	145	-	114	368	114	254
T	470	178	152	165	146	113	1208	99.5	105	-	375	395	145	-	114	660	114	254
U	524	197	170	184	165	133	1045	108	124	-	420	492	152	-	127	381	127	292
U	524	197	170	184	165	133	1249	108	124	-	420	492	152	-	127	584	127	292
W	584	173	218	251	149	140	1070	140	114	-	438	468	178	-	178	381	178	305
W	584	173	218	251	149	140	1222	140	114	-	438	468	178	-	178	533	178	305
X	619	171	232	278	152	152	1162	152	114	-	457	467	178	-	184	457	184	330
Y	678	191	248	300	168	178	1283	178	127	-	502	521	203	-	203	508	203	330

Rough as-forged dimension. Shank will not machine to this dimension. Please refer to the warnings & applications section for recommended shank diameter when machining.
*Deformation indicators. †3/4t carbon through 22t alloy dimensions shown are for S-4320 Latch Kits. Dimensions for "O" frame size and larger are for PL Latch Kits. ††Dimensions are for PL-N latch kits. For the purpose of calculating D/d ratio, utilize dimension M.

© 2025 Kito Crosby. All Rights Reserved.

L-320CN
Frame Size D-N



- Available in carbon steel and alloy steel.
- Eye hooks are load rated (marked with the Working Load Limit).
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Chemical analysis and tensile tests performed on each PIC to verify chemistry and mechanical properties.
- Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)

L-320C
Frame Size O-T



APPLICATION AND WARNING INFORMATION
SECTION 17

L-320N / L-320 Eye Hooks

Working Load Limit (t)		Hook ID Code	Eye Hook Stock No.			Weight Each (kg)	Replacement Latch Kits Stock No.		Open Latch Kit Stock No.
Carbon	Alloy		Carbon L-320C L-320CN S.C.	Carbon GL-320CN Galv.	Alloy L-320A L-320AN S.C.		S-4320	SS-4055	PL
0.75	1.25	†D	1022205	1022208	1022380	.28	1096325	-	-
1	1.6	†F	1022216	1022219	1022391	.40	1096374	-	-
1.6	2.5	†G	1022227	1022230	1022402	.65	1096421	-	-
2	3.2	†H	1022238	1022241	1022413	.94	1096468	-	-
3.2	5.4	†I	1022246	1022249	1022424	1.95	1096515	-	1092000
5	8.0	†J	1022260	1022262	1022435	3.76	1096562	-	1092001
7.5	11.5	†K	1022271	1022274	1022446	6.80	1096609	-	1092002
10	16	†L	1022282	-	1022457	9.42	1096657	-	1092003
15	22	†N	1022293	-	1022468	17.9	1096704	-	1092004
20	31.5	O	1022302	-	1022477	27.2	-	1090161	1093716
25	37	P	1023306	-	1023565	47.6	-	1090189	1093717
30	45	S	1023324	-	1023583	67	-	1090189	1093718
40	60	T	1023342	-	1023609	103	-	1090205	1093719

All carbon hooks have a 5:1 Design Factor. Alloy eye hooks 1t through 22t have a 5:1 Design Factor. Alloy eye hooks 30t through 60t have a 4.5:1 Design Factor. For 3/4t carbon through 22t alloy eye hooks, Proof Load is 2.5 times Working Load Limit. For 20t carbon through 60t alloy eye hooks, Proof Load is 2 times Working Load Limit.

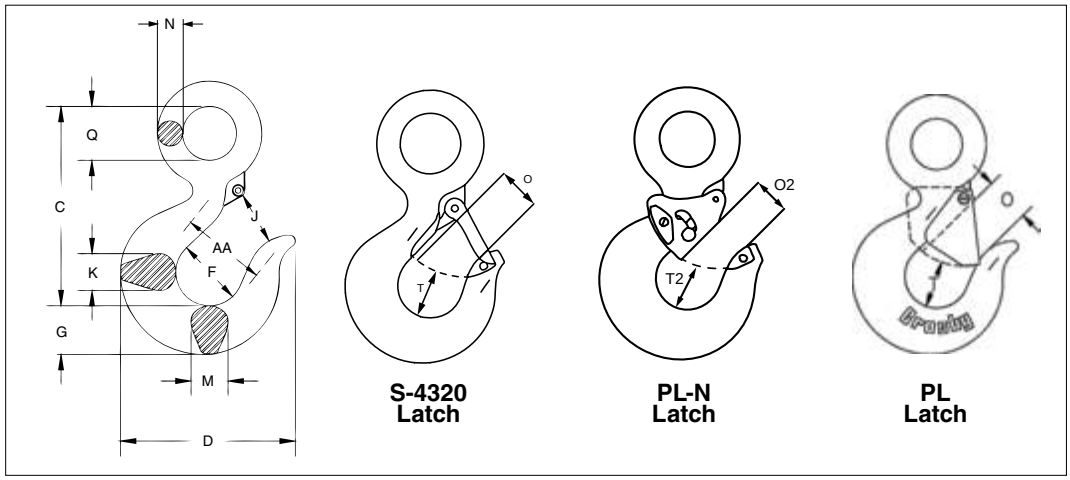
© 2025 Kito Crosby. All Rights Reserved.

L-320AN
Frame Size D-N



L-320AN
Frame Size O-T





APPLICATION AND WARNING INFORMATION
SECTION 17

L-320N / L-320 Eye Hooks

Hook ID Code*	Dimensions (mm)													
	C	D	F	G	J	K	M	N	O †	O2 ††	Q	T †	T2 ††	AA**
†D	85	72.0	31.8	18.5	22.9	16.0	16.0	9.14	22.6	-	19.1	22.1	-	38.1
†F	97	79.0	35.1	21.3	23.6	18.0	18.0	10.7	23.1	-	23.1	24.9	-	50.8
†G	105	89.5	38.1	25.4	25.4	22.4	22.4	14.0	25.4	-	28.7	26.2	-	50.8
†H	119	101	41.4	28.7	28.7	23.9	23.8	14.7	27.7	-	31.8	29.5	-	50.8
†I	147	122	51.0	36.6	37.3	33.3	33.3	18.3	34.5	25.4	39.6	38.9	38.1	63.5
†J	187	159	63.5	46.0	44.5	42.2	42.2	22.9	40.9	33.3	51.0	49.8	47.7	76.2
†K	230	189	76.0	57.0	58.0	47.8	41.4	28.2	53.0	46.0	62.0	62.5	57.2	102
†L	256	211	82.5	66.0	63.5	55.5	49.3	32.3	57.5	51.0	72.0	66.5	58.7	102
†N	318	262	108	76.0	84.0	68.5	60.5	39.6	76.5	69.8	89.0	72.0	65.0	127
O	357	346	127	92.0	102	76.0	76.2	44.5	82.5	-	89.0	87.5	-	165
P	462	357	137	116	108	95.2	81.0	51.0	76.0	-	114	98.5	-	178
S	511	392	152	129	121	114	82.6	55.4	86.0	-	125	121	-	203
T	602	470	178	152	146	140	99.3	64.3	105	-	145	145	-	254

*Deformation indicators. †3/4t carbon though 22t alloy dimensions shown are for S-4320 Latch Kits. Dimensions for "O" frame size and larger are for PL Latch Kits.
††Dimensions are for PL-N latch kits.

© 2025 Kito Crosby. All Rights Reserved.

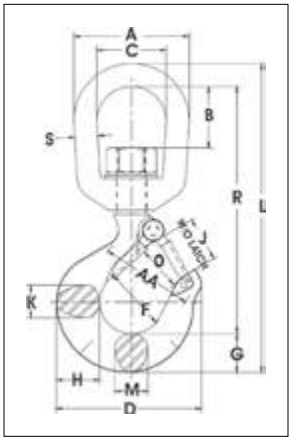
Crosby

L-322CN / L-322AN



- Forged, Quenched & Tempered.
- Suitable for positioning of the hook before the load is lifted.
- Swivel hooks are load rated.
- Proper design, careful forging, and precision controlled quench and tempering gives maximum strength without excessive weight and bulk.
- Low profile hook tip designed to utilize Crosby S-4320 or PL-N latch kit.
- Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)

Use in corrosive environment requires shank and nut inspection in accordance with ASME B30.10-1.10.4(b)(5)(c).



Lead Plated Fatigue Rated TA QUIC-CHECK Q&T

APPLICATION AND WARNING INFORMATION
SECTION 17

L-322CN / L-322AN Swivel Hooks with Latch

Working Load Limit (t)		Hook ID Code*	L-322CN Stock No.	L-322AN Stock No.	Weight Each (kg)	Dimensions (mm)															Rep. Latch Stock No.
Carbon	Alloy					A	B	C	D	F	G	H	J	K	L	M	O †	R	S	AA*	
0.75	1.25	D	1048603	1048807	.34	51.0	20.8	31.8	72.5	31.8	18.5	20.6	23.6	16.0	144	16.0	23.6	116	9.65	38.1	1096325
1	1.6	F	1048612	1048816	.57	63.5	33.3	38.1	80.0	35.1	21.3	23.9	24.6	18.0	170	18.0	24.6	136	12.7	50.8	1096374
1.6	2.5	G	1048621	1048825	1.02	76.0	38.1	44.5	91.0	38.1	25.4	29.5	26.9	22.4	197	22.4	26.9	155	16.0	50.8	1096421
2	3.2	H	1048630	1048834	1.04	76.0	38.1	44.5	102	41.1	28.7	33.3	30.2	23.9	210	23.9	29.5	165	16.0	50.8	1096468
3.2	5.4	I	1048639	1048840	2.25	89.0	41.7	50.8	123	51.0	36.6	41.4	38.1	33.3	246	28.7	35.8	191	19.1	63.5	1096515
5	8.0	J	1048648	1048859	4.67	116	58.0	63.5	160	63.5	46.0	52.5	45.2	42.2	317	36.6	42.9	245	25.4	76.2	1096562
7.5	11.5	K	1048657	1048868	8.80	127	62.0	70.0	192	76.0	57.0	67.0	51.0	47.8	375	41.4	56.5	289	28.7	101	1096609
10	16	L	1048666	1048880	10.5	143	63.0	79.0	212	82.5	66.0	74.5	66.5	55.5	417	49.3	61.0	311	31.8	101	1096657
15	22	N	1048675	1048889	21.3	180	95.5	104	263	108	76.0	89.0	86.5	68.5	542	60.5	81.0	424	38.1	127	1096704
-	31.5	O	-	1048898	32.0	180	95.5	104	346	127	93.0	118	102	72.5	590	76.2	82.6	459	38.1	165	1090161

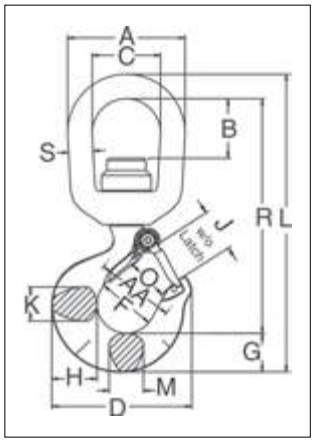
All carbon swivel hooks have a 5:1 Design Factor and Proof Load is 2 times the Working Load Limit. Alloy swivel hooks 1t through 22t have a 4.5:1 Design Factor and Proof Load is 2.5 times the Working Load Limit. Alloy swivel hooks of 30t capacity have a 4:1 Design Factor and Proof Load is 2 times the Working Load Limit. *Deformation indicators †Dimensions for hooks 3/4t carbon through 22t alloy are for S-4320 latch kits. Dimensions for hooks 30t alloy are for 4055 latch kit.

© 2025 Kito Crosby. All Rights Reserved.

L-3322B



- Bearing design allows hook to rotate freely under load.
- Capacities ranging from 2 through 15 metric tons.
- Forged, Quenched & Tempered.
- Low profile hook tip designed to utilize Crosby S-4320 or PL-N latch kit.
- L-3322 hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



QUIC-CHECK® Q&T

APPLICATION AND WARNING INFORMATION
SECTION 17

L-3322B Swivel Hooks with Bearing

Working Load Limit (t)	Hook ID Code*	Stock No.	Weight Each (kg)	Dimensions (mm)															Rep. Latch Stock No.
				A	B	C	D	F	G	H	J	K	L	M	O	R	S	AA*	
2	GA	1028609	1.13	76.2	38.1	44.5	91.2	38.1	25.4	29.5	26.9	22.4	194	22.4	25.4	152	16.0	50.8	1096421
3	HA	1028618	1.72	88.9	39.6	50.8	101	41.1	28.7	33.3	30.2	23.9	218	23.9	27.7	170	19.1	50.8	1096468
5	IA	1028627	3.17	101	39.6	57.2	122	50.8	36.6	41.4	38.1	33.3	262	28.7	34.5	203	22.4	63.5	1096515
7	JA	1028636	6.35	127	49.3	69.9	159	63.5	46.0	52.3	45.2	42.2	326	36.6	40.9	251	28.7	76.2	1096562
11	KA	1028645	10.1	142	52.1	79.2	191	76.2	57.2	66.8	61.2	47.8	387	41.4	52.8	298	31.8	101	1096609
15	LA	1028654	16.3	180	91.9	104	211	82.6	65.8	74.7	66.5	55.6	473	49.3	57.7	366	38.1	101	1096657

4.5:1 Design Factor. Maximum allowable proof load is 2.5 times Working Load Limit. *Deformation indicators.


Grinding and wear allowance on rigging hardware


Crosby Shurloc® Hook inspection requirements


Hooks: Why the tips must point outward on multiple bridles

Hooks & Swivels Training Videos

Our experts answer some of your most common questions about hooks and swivels.

Watch these and all of our training videos at kitocrosby.com/crosby-yt

Crosby® GUNNEBO® Industries

© 2025 Kito Crosby. All Rights Reserved.

Crosby®

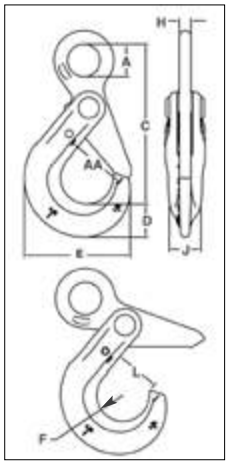
S-1316



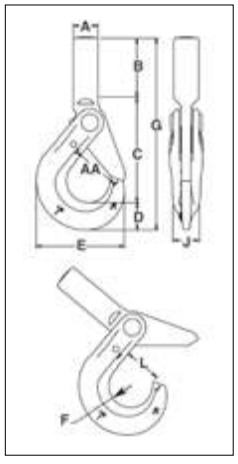
S-1318A



- All SHUR-LOC® hooks have the following features:
  - Forged alloy steel, Quenched & Tempered.
  - Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
  - Easy to operate with enlarged thumb access.
  - Positive lock latch is self-locking when the hook is loaded.
  - The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
  - Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
  - Contact Engineered Solutions for additional threading or Split-Nut options at thecrosbygroup.com/engineeredsolutions.



- Eye Style incorporates these added features:
  - Individually Proof Tested to 2-1/2 times the chain Working Load Limit with certification.
  - S-1316 meets the performance requirements of EN1677-3.
  - Suitable for use with Grade 100 and Grade 80 chain.
  - Designed with 'engineered flat' to connect to S-1325 chain coupler.



Crosby 8/10™ Tiger Tested QT CE

APPLICATION AND WARNING INFORMATION SECTION 17

S-1316 SHUR-LOC® Eye Hook with Positive Locking Latch

Chain Size (in)	Chain Size (mm)	Stock No.	Frame code	Grade 10 Alloy Chain Working Load Limit (t) 4:1	Working Load Limit (t) 5:1	Weight Each (kg)	Dimensions (mm) A	C	D	E	F	H	J	L	AA*	Replacement Trigger Kit Stock No.
-	6	1022896	D	1.45	1.00	.39	19.8	100	20.1	66.0	17.0	7.87	16.0	29.5	38.1	6603010
1/4-5/16	7-8	1022914	G	2.60	1.90	.82	27.4	135	27.9	88.9	22.1	9.91	20.6	37.6	51.0	6603011
3/8	10	1022923	H	4.00	2.50	1.54	33.0	167	29.7	112	27.9	12.9	23.9	46.5	63.5	6603012
1/2	13	1022932	I	6.80	5.62	2.72	41.9	209	42.4	139	32.0	17.0	29.5	56.4	76.2	6603013
5/8	16	1022941	J	10.30	7.53	6.83	55.9	256	51.8	167	38.1	22.1	38.1	67.3	89.0	6603014
3/4	18-20	1022952	-	16.00	9.98	8.61	64.0	274	56.4	197	51.1	22.1	51.6	89.4	-	6603015
7/8	22	1022943	-	20.00	12.0	12.7	72.9	317	62.2	222	57.7	24.9	55.9	97.3	-	6603008
1	26	1022944	-	27.10	-	22.45	80.0	371	81.5	251	62.5	32.0	68.1	104	-	6603017

*Deformation indicators.

S-1318A SHUR-LOC® Shank Hook

Chain Size (in)	Chain Size (mm)	Stock No.	Frame code	Grade 10 Alloy Chain Working Load Limit (t)	Weight Each (kg)	Dimensions (mm) A†	B	C	D	E	F	G	J	L	AA*	Replacement Trigger Kit Stock No.
-	6	1098200	D	1.45	.45	20.1	55.0	84.0	20.1	66.0	17.0	159	16.0	28.7	38.1	6603010
1/4-5/16	7-8	1098209	G	2.60	.90	25.4	61.0	106	27.9	89.0	22.1	195	20.6	35.1	51.0	6603011
3/8	10	1098218	H	4.00	1.61	29.0	75.0	131	29.7	112	27.9	235	23.9	46.5	63.5	6603012
1/2	13	1098227	I	7	3.18	34.0	85.0	160	42.4	138	32.0	288	29.5	53.5	76.2	6603013

4:1 Design Factor based on Grade 100 chain. *Deformation indicators. †Dimension before machining (as forged).

© 2025 Kito Crosby. All Rights Reserved.

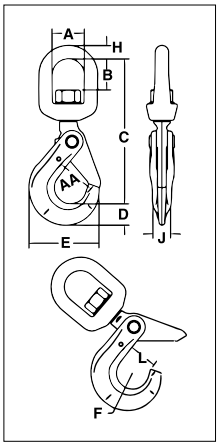
S-1326

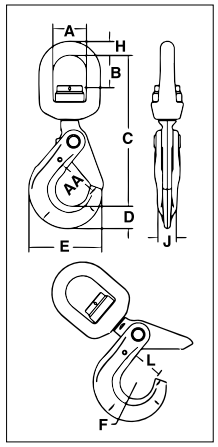


S-13326



- The S-1326 hook is a positioning device and is not intended to rotate under load. For swivel hook designed to rotate under load, use the S-13326.
- S-13326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Rated for both wire rope and for use with Grade 80/100 chain.
- Forged alloy steel, Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the chain Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- Easy to operate with enlarged thumb access.
- Positive lock latch is self-locking when hook is loaded.
- Trigger repair kit available (S-4316). Consists of spring, roll pin, and trigger.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- The SHUR-LOC® Hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).





Crosby 8/10™ Fatigue Rated QT CE

APPLICATION AND WARNING INFORMATION SECTION 17

S-1326 SHUR-LOC® Swivel Hooks Suitable for positioning before lifting.

Chain Size		Frame code	Grade 10 Alloy Chain Working Load Limit (t) 4:1 Design Factor	Working Load Limit (t) 5:1 Design Factor	Stock No.	Weight Each (kg)	Dimensions (mm)										Replacement Trigger Kit Stock No.
(in)	(mm)						A	B	C	D	E	F	H	J	L	AA*	
-	6	D	1.45	1.16	1004304	.57	38.1	33.5	156	20.1	66.0	17.0	12.7	16.0	28.7	38.1	6603010
1/4 - 5/16	7-8	G	2.60	2.1	1004313	1.18	44.5	40.4	193	27.9	88.9	22.1	16.0	20.6	35.1	51.0	6603011
3/8	10	H	4.00	3.2	1004322	2.13	50.8	43.9	224	29.7	112	27.9	19.1	23.9	44.5	63.5	6603012
1/2	13	I	6.80	5.4	1004331	3.92	63.5	60.5	284	42.4	139	32.0	25.4	29.5	53.6	76.2	6603013
5/8	16	-	10.3	8.2	1004340	7.71	69.9	64.3	328	51.8	167	38.1	28.7	38.1	63.2	89.0	6603014
3/4	18 - 20	-	16.0	12.8	1004349	10.9	71.9	64.0	358	56.4	197	51.1	27.9	51.6	89.4	127	6603015
7/8	22	-	20.0	16.0	1004358	13.2	87.4	81.0	417	62.2	222	57.4	33.0	55.9	97.3	152	6603008

*Deformation indicators.

S-13326 SHUR-LOC® Swivel Hooks with Bearing Suitable for frequent rotation under load.

Chain Size		Frame code	Grade 10 Alloy Chain Working Load Limit (t) 4:1 Design Factor	Working Load Limit (t) 5:1 Design Factor	Stock No.	Weight Each (kg)	Dimensions (mm)										Replacement Trigger Kit Stock No.
(in)	(mm)						A	B	C	D	E	F	H	J	L	AA*	
-	6	D	1.45	1.16	1004404	.57	38.1	29.0	157	20.1	66.0	17.0	12.7	16.0	28.7	38.1	6603010
1/4 - 5/16	7-8	G	2.60	2.1	1004413	1.18	44.5	38.6	192	27.9	89.0	22.1	16.0	20.6	35.1	51.0	6603011
3/8	10	H	4.00	3.2	1004422	2.13	51.0	40.9	226	29.7	112	27.9	19.1	23.9	46.5	63.5	6603012
1/2	13	I	6.80	5.4	1004431	3.92	63.5	51.6	282	42.4	138	32.0	25.4	29.5	53.5	76.2	6603013
5/8	16	-	10.3	8.2	1004440	7.71	70.0	50.3	328	52.0	167	38.1	28.7	38.1	63.0	89.0	6603014

*Deformation indicators.

© 2025 Kito Crosby. All Rights Reserved.

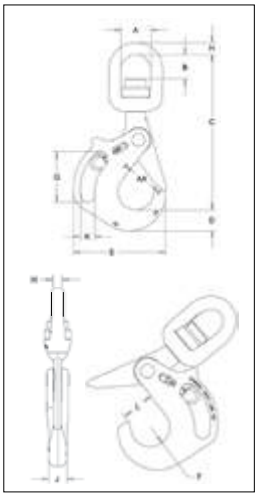
S-13326H

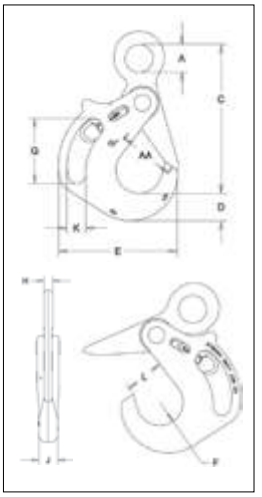


- The SHUR-LOC® Handle Hook allows the user to get a confident grip on a load with ease and comfort.
- Designed with a handle opening big enough to comfortably fit a gloved hand.
- Positive lock latch is self-locking when hook is loaded.
- Rated for both wire rope and use with Grade 80/100 chain.
- S-13326H Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Individually Proof Tested at 2-1/2 times the chain Working Load Limit with certification.
- The replaceable pull-trigger allows the user to easily open the SHUR-LOC's positive self-locking latch.
  - Ergonomically designed for easy use and precise control.
  - Secondary side trigger is recessed to avoid inadvertent release.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Forged alloy steel, Quenched & Tempered.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).

S-1316AH







Crosby 8/10™ Fatigue Rated QUIC-CHECK® QT CE

APPLICATION AND WARNING INFORMATION SECTION 17

S-13326H SHUR-LOC® Handle Swivel Hooks with Bearings

Chain Size		Grade 10 Alloy Chain Working Load Limit (t) 4:1*	Working Load Limit (t) 5:1*	Frame Code	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Trigger Kit Stock No.
(in)	(mm)						A	B	C	D	E	F	G	H	J	K	L	AA*	
5/8	16	10.3	8.2	JA	1005014	11.8	69.9	57.2	272	50	217	42.5	119	28.7	44	33.5	71	102	6603032
3/4	18/20	16.0	12.8	KA	1005023	16.8	79.2	51.9	393	66	255	50.5	120	31.8	52	32	84	127	6603033
7/8	22	19.4	15.5	LA	1005041	25.9	104	92.7	482	69	292	57	136	41.4	62	40	93	152	6603034
1	26	27.1	21.7	NA	1005050	38.1	127	102	547	79	324	64	164	41.4	70	40	104	165	6603035

4:1 Design Factor. *Deformation indicators.

S-1316AH SHUR-LOC® Handle Eye Hook

Chain Size		Grade 10 Alloy Chain Working Load Limit (t) 4:1*	Working Load Limit (t) 5:1*	Frame Code	Stock No.	Weight Each (kg)	Dimensions (mm)										Replacement Trigger Kit Stock No.
(in)	(mm)						A	C	D	E	F	G	H	J	K	L	AA*	
5/8	16	10.3	8.2	JA	1023579	8.2	51	272	50	217	42.5	119	20	44	33.5	71	102	6603032
3/4	18/20	16.0	12.8	KA	1023599	12.7	70	306	66	255	50.5	120	22	52	32	84	127	6603033
7/8	22	19.4	15.5	LA	1023607	17.7	80	342	69	292	57	136	91	62	40	93	152	6603034
1	26	27.1	21.7	NA	1023625	27.2	90	395	79	324	64	164	30	70	40	104	165	6603035

4:1 Design Factor. *Deformation indicators.

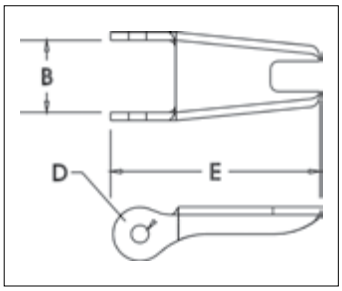
© 2025 Kito Crosby. All Rights Reserved.

S-4320
Replacement Latch Kit



- Heavy duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- Can be made into a "Positive Locking" Hook when proper cotter pin is utilized.
- Latch kits shipped unassembled and individually packaged with instructions.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g)(when secured with the bolt, nut and pin) for lifting personnel.

IMPORTANT: The new S-4320 Latch Kit will not fit the old style 319, 320 and 322 hooks.

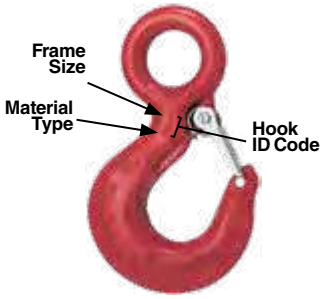


APPLICATION AND WARNING INFORMATION
SECTION 17

S-4320 Replacement Latch Kit for 319N, 320N, 322N, 339N, 1327 and 1339 Hooks

Hook Size (t)			Hook ID Code	Stock No.	Weight Each (kg)	Dimensions (mm)		
Carbon	Alloy	Bronze				B	D	E
3/4	1	.5	D	1096325	.01	12.7	3.80	36.6
1	1-1/2	.6	F	1096374	.02	13.7	4.30	39.6
1-1/2	2	1	G	1096421	.02	16.0	4.30	42.2
2	3	1.4	H	1096468	.03	16.8	4.30	48.5
3	5	2	I	1096515	.05	21.1	5.10	58.5
5	7	3.5	J	1096562	.07	26.4	5.10	73.2
7-1/2	11	5	K	1096609	.13	31.8	6.85	90.5
10	15	6.5	L	1096657	.15	34.3	6.85	97.0
15	22	10	N	1096704	.38	42.2	9.90	132

Example of Hook ID Placement Location





© 2025 Kito Crosby. All Rights Reserved.

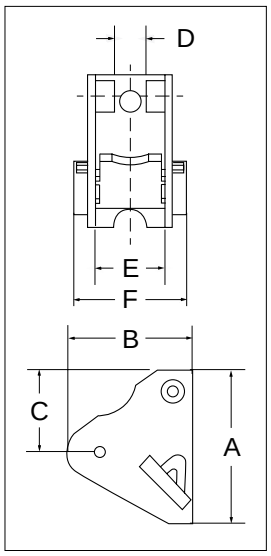
PL
Latch Kits



LATCH ORDERING INSTRUCTIONS

Specify PL, PL-N or PL-O latch kit stock number from charts below.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- Hot-dip galvanized.
- Heavy duty latch with easy operating features.
- Flapper lever indicates locked or unlocked position.
- Assembly instructions included with each latch.
- For additional dimensional data on eye, shank or swivel hooks, see Warnings & Applications.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) (when secured with the bolt, nut and pin) for lifting personnel.



APPLICATION AND WARNING INFORMATION
SECTION 17

PL LATCH KITS

Hook Size (t)		Hook ID	Stock	Weight Each	Dimensions (mm)						Replacement
Carbon	Alloy	Code	No.	(kg)	A	B	C	D	E	F	Spring Stock No.
3	4-1/2	I	1093711	.24	68.3	60.7	52.6	16.0	28.7	49.5	-
5	7	J	1093712	.30	76.0	63.2	51.0	16.0	35.1	55.9	-
7-1/2	11	K	1093713	.45	92.0	62.5	60.5	16.0	41.4	63.2	-
10	15	L	1093714	.57	102	83.1	68.5	16.0	47.8	82.6	-
15	22	N	1093715	1.34	135	106	74.0	21.3	60.5	88.6	-
20	30	O	1093716	1.84	152	115	83.3	26.9	84.1	119	-
25	37	P	1093717	3.91	178	174	126	57.0	60.5	155	-
30	45	S	1093718	4.54	171	183	100	57.0	121	162	-
40	60	T	1093719	6.49	203	202	108	88.0	151	196	-
50	75	U	1093720	12.2	251	213	149	86.0	165	226	32468
-	100-150	W - X	1093721	15.1	276	276	165	86.0	200	254	32468
-	200	Y	1093723	20.4	302	284	162	86.0	222	286	32468
-	300	Z	1093724	24.9	318	315	201	86.0	254	311	32468

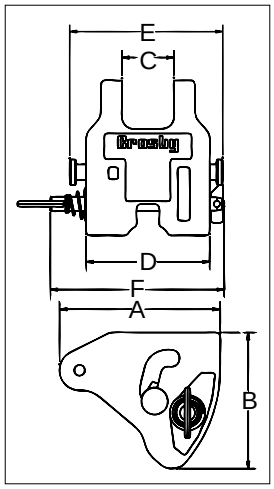
PL-N/O
Latch Kits



LATCH ORDERING INSTRUCTIONS

Specify PL, PL-N or PL-O latch kit stock number from charts below.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- Heavy duty latch with easy operating features.
- PL-N designed for Crosby 319N & 320N style hooks, PL-O designed for Crosby 319 & 320 old style hooks.
- Flapper lever indicates locked or unlocked position.
- Assembly instructions included with each latch.
- For additional dimensional data on eye, shank or swivel hooks refer to the specific product page in this section.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) (when secured with the supplied toggle pin) for lifting personnel.



APPLICATION AND WARNING INFORMATION
SECTION 17

PL-N/O LATCH KITS

Hook Size (t)		Hook ID	PL-N Latch Kit	PL-O Latch Kit	Weight Each	Dimensions (mm)					
Carbon	Alloy	Code	Stock No.	Stock No.	(kg)	A	B	C	D	E	F
3	4.5 / 5 *	I	1092000	1091900	.36	60.9	51.0	21.1	54.1	68.8	87.4
5	7	J	1092001	1091901	.58	74.7	63.5	25.4	64.0	81.0	97.3
7-1/2	11	K	1092002	1091902	.90	92.2	76.7	30.2	69.9	87.4	111
10	15	L	1092003	1091903	1.27	102	86.1	34.0	81.0	102	114
15	22	N	1092004	1091904	2.22	132	110	40.9	98.0	122	130

*"N" style hooks are rated at 5 metric tons.

© 2025 Kito Crosby. All Rights Reserved.

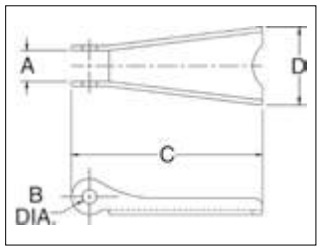
SS-4055
Latch Kits



LATCH ORDERING INSTRUCTIONS

Specify latch kit stock number.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- Stainless steel construction with cadmium plated steel nuts.
- Shipped packaged and unassembled.
- Instructions included for easy field assembly.



SS-4055 LATCH KITS

Hook Size (t)			Hook ID Code	Stock No.	Weight Each (kg)	Dimensions (mm)			
Carbon	Alloy	Bronze				A	B	C	D
3/4	1	.5	D	1090027	.01	9.65	4.05	36.6	15.0
1	1-1/2	.6	F	1090045	.01	9.65	4.05	40.6	15.0
1-1/2 - 2	2 - 3	1.0 - 1.4	G / H	1090063	.01	11.9	4.85	46.7	20.8
3	4-1/2	2.0	I	1090081	.05	14.2	4.30	61.0	25.4
5	7	3.5	J	1090107	.05	14.7	5.10	75.5	30.7
7-1/2 - 10	11 - 15	5.0 - 6.5	K / L	1090125	.08	15.0	6.86	93.0	38.1
15	22	10.0	N	1090143	.18	21.1	9.90	125	48.3
20	30	-	O	1090161	.29	23.9	13.2	149	65.0
25 - 30	37 - 45	-	P / S	1090189	.51	55.5	9.90	165	97.5
40	60	-	T	1090205	.80	84.0	13.2	200	105

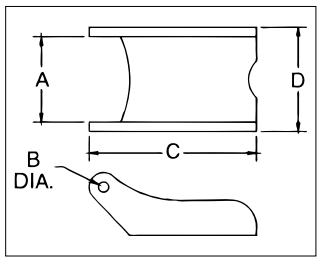
S-4088
Alloy Hook Latch Kits



LATCH ORDERING INSTRUCTIONS

Specify latch kit stock number.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- To be used on A-327 and A-339 Grade 8 sling hooks.
- Latch kits shipped unassembled and individually packaged with instructions.



S-4088 Alloy Hook Latch Kits

Hook Chain (mm)	Stock No.	Weight Each (kg)	Dimensions (mm)			
			A	B	C	D
6-7	1090250	.03	19.8	4.05	51.5	23.9
8-10	1090251	.06	26.2	4.85	68.5	31.8
13	1090252	.07	26.2	4.85	76.0	31.8
16	1090253	.07	26.2	4.85	82.5	31.8
19	1090254	.07	38.9	6.60	105	47.8
22	1090255	.07	38.9	6.60	118	51.0

© 2025 Kito Crosby. All Rights Reserved.

HOOK CONNECTORS

The 4 connector styles shown below make it possible for Crosby to furnish a Golden Gate Hook to fit almost any make or model of hoisting equipment including, American Engineering Lo-Hed, ARO, Coffing, Electro Lift, Ingersoll-Rand, P & H, Robbins and Myers, Shepard Niles, CM, Shaw-Box, Wright, Yale & Towne.

CLOSED SWIVEL BAIL

For use where hoisting line or shackle can be inserted into the bail. Suitable for positioning before lifting.
Hook sizes:
1 through 14.



Style C — with self-closing gate.

SHANK-TYPE HOOK

(Standard Length)

For use on existing load blocks, with standard shank length.
Hook sizes:
2 through 14.



Style D — with self-closing gate.

SHANK-TYPE HOOK

(Long Length)

For use on existing load blocks requiring extra shank length.
Hook sizes:
4 through 17.



Style K — with self-closing gate.

LINK CHAIN NEST

With ball-bearing swivel; attaches to chain by an alloy pin. Suitable for frequent rotation under load.
Hook sizes:
4, 5, and 7.



Style O — with self-closing gate.

Letter designations shown beneath each illustration above indicate connector style and gate type (e.g. a size 4 hook with a closed swivel bail connector and self-closing gate is 4-C).

© 2025 Kito Crosby. All Rights Reserved.

GATE TYPES

Brass alloy Golden Gates® are engineered for quality, easy handling and dependability. The heavy duty, corrosion resistant locking mechanism will stay locked until an operator releases it; yet, can easily be shut with one hand. Cost effective, these gates reduce down time, providing the alternative to conventional latches.

LIF-LOK® GATE - SIZE 1



To lock: Close the gate; the built-in spring locks the gate against the hook tip.

To Unlock: Lift the gate upward on the hook shank and swing open.

ROLLOX® GATE - SIZE 5 through 9



To Lock: Close the gate; a stainless steel pin is mounted in a horizontal bore which passes through the gate and engages a notch milled in the hook shank.

To Unlock: Move the lever downward a quarter-turn or until it stops, the gate can now swing open 160 ° (approx.)

PIN-LOK® GATE - SIZE 2 through 4



To Lock: Close the gate; a stainless steel pin is carried in a horizontal bore and engages a milled slot in the hook shank.

To Unlock: Simply depress the stainless steel pin which causes the pin to disengage from the milled slot.

TIP-LOK® GATE - SIZE 10 through 17



To Lock: Press the arm down until the lock trips; two arms of the gate now enclose the tip of the hook.

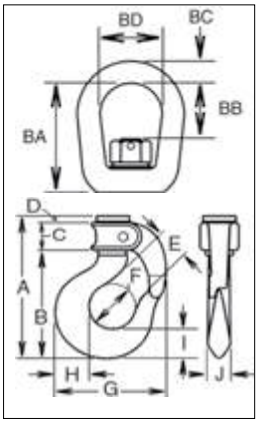
To Unlock: Manually depressing the locking trigger automatically raises the movable arm, allowing the gate to be rotated open.

© 2025 Kito Crosby. All Rights Reserved.

Closed Swivel Bail



- For use where hoisting line or shackle can be inserted into the bail.
  - BL-C with self-closing gate
- Suitable for positioning before lifting.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



APPLICATION AND WARNING INFORMATION
SECTION 17

Closed Swivel Bail

Hook Size	BL-C Stock No.	Gate Type	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)													
					A	B	C	D	E	F	G	H	I	J	BA	BB	BC	BD
1	1050210	LIF-LOK	.45	.36	82.0	58.7	16.0	6.60	17.5	22.4	57.0	17.5	16.0	11.2	44.5	16.0	7.85	25.4
2	1050221	PIN-LOK	.90	.59	105	76.2	23.6	4.06	24.6	31.8	73.0	20.6	19.1	11.2	47.2	24.1	9.65	31.8
3	1050232	PIN-LOK	1.3	.86	114	84.0	23.9	5.58	26.9	35.1	84.0	23.9	21.3	16.0	62.0	33.3	12.7	38.1
4	1050243	PIN-LOK	1.5	1.00	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	67.5	34.3	12.7	38.1
5	1050254	ROLLOX	2.1	1.72	143	105	31.2	6.35	31.8	41.7	104	33.3	28.4	21.3	74.0	40.6	16.0	44.5
6	1050265	ROLLOX	3.6	2.09	158	119	31.8	6.35	35.3	41.7	116	39.9	34.0	24.6	78.5	35.8	16.0	44.5
7	1050276	ROLLOX	3.8	3.13	168	132	28.4	6.35	38.1	51.0	125	41.4	36.6	28.7	88.5	42.4	19.1	51.0
8	1050287	ROLLOX	5.0	4.35	182	147	26.9	7.11	44.5	57.0	148	51.0	41.9	31.2	103	51.0	22.4	57.0
9	1050298	ROLLOX	6.5	6.12	199	164	26.9	7.87	47.8	63.5	165	52.5	46.0	35.1	118	56.0	26.2	63.5
11	1050309	TIP-LOK	8.3	9.30	244	203	31.8	7.87	57.0	76.0	192	67.0	57.0	41.1	124	66.5	28.7	70.0
12	1050320	TIP-LOK	11.1	12.3	267	225	31.8	9.65	63.5	82.5	221	74.5	65.5	49.3	130	57.0	31.8	79.5
14	1050342	TIP-LOK	16.7	25.0	320	273	35.8	9.65	86.0	108	279	89.0	75.5	60.5	203	108	41.4	104

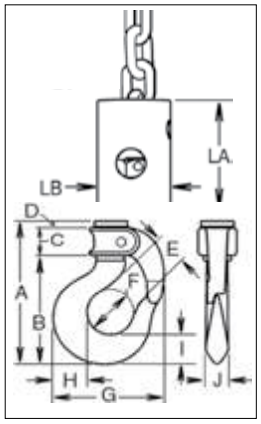
4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

Link Chain Nest



- With ball bearing swivel; attaches to chain by an alloy pin.
  - BL-O with self-closing gate
- Suitable for frequent rotation under load.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



APPLICATION AND WARNING INFORMATION
SECTION 17

Link Chain Nest

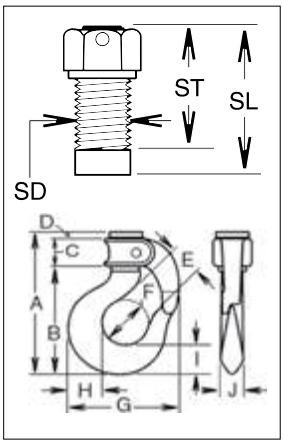
Chain Size	BL-O Stock No.	Gate Type	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)											
					A	B	C	D	E	F	G	H	I	J	LA	LB
4:1/4-9/32	1051409	PIN-LOK	1.5	1.13	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	67.0	44.5
5:5/16-3/8	1051442	ROLLOX	2.1	2.04	143	105	31.2	6.35	31.8	41.7	104	33.3	28.4	21.3	76.0	57.0
7:3/8-7/16	1051464	ROLLOX	3.8	5.0	168	132	28.4	6.35	38.1	51.0	125	41.4	36.6	28.7	111	76.0
7:1/2-9/16	1051486	ROLLOX	3.8	5.0	168	132	28.4	6.35	38.1	51.0	125	41.4	36.6	28.7	111	76.0

4:1 Design Factor.

Standard Length



- For use on existing load blocks, with standard shank length.
  - BL-D with self-closing gate
- Numbers 2 through 12 style hooks are threaded approximately 80% of shank length.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



APPLICATION AND WARNING INFORMATION
SECTION 17

Standard Length Shank Hooks

Hook Size	BL-D Stock No.	Gate Type	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)												
					A	B	C	D	E	F	G	H	I	J	SD	SL	ST
2	1050606	PIN-LOK	.91	.50	105	76.2	23.6	4.06	24.6	31.8	73.0	20.6	19.1	14.2	12.7	23.1	15
3	1050617	PIN-LOK	1.3	.59	114	84.1	23.9	5.58	26.9	35.1	81.0	23.9	21.3	16.0	14.2	31.8	19.1
4	1050628	PIN-LOK	1.5	.77	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	16	33.3	30.2
5	1050639	ROLLOX	2.1	1.13	143	105	31.2	6.35	31.8	41.7	104	33.3	28.4	21.3	19.1	33.3	25.4
6	1050650	ROLLOX	3.6	1.59	158	119	31.8	6.35	35.3	41.7	116	39.9	34.0	24.6	22.4	43	29.5
7	1050661	ROLLOX	3.8	2.36	168	132	28.4	6.35	38.1	51.0	125	41.4	36.6	28.7	25.4	46	35.1
8	1050672	ROLLOX	5.0	3.22	182	147	26.9	7.11	44.5	57.0	148	51.0	41.9	31.2	28.7	52.5	38.1
9	1050683	ROLLOX	6.5	4.31	199	164	26.9	7.87	47.8	63.5	165	52.5	46.0	35.1	31.8	62	46
11	1050694	TIP-LOK	8.3	7.08	244	203	31.8	7.87	57.0	76.0	192	67.0	57.0	41.1	38.1	68.5	47.8
12	1050705	TIP-LOK	11.2	9.53	267	225	31.8	9.65	63.5	82.5	221	74.5	65.5	49.3	41.4	73	54
13	1050716	TIP-LOK	13.6	13.6	285	242	31.8	9.65	76.0	95.0	245	83.5	70.0	49.3	44.5	89	56
14	1050727	TIP-LOK	16.8	18.1	320	273	35.8	9.65	86.0	108	279	89.0	75.5	60.5	51	92.5	60.5

4:1 Design Factor.

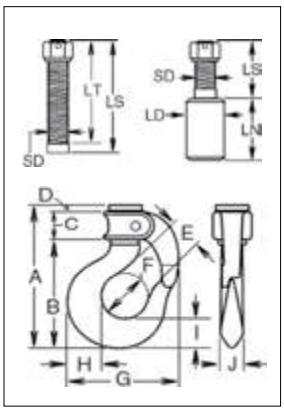
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

Long Length



- For use on existing load blocks requiring extra shank length.
  - BL-K with self-closing gate
- Numbers 4 through 9 style hooks are threaded approximately 80% of shank length.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators.



APPLICATION AND WARNING INFORMATION
SECTION 17

Long Length Shank Hooks

Hook Size	BL-K Stock No.	Gate Type	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)													
					A	B	C	D	E	F	G	H	I	J	SD	LN	LS	LT
4 :1/2	1051002	PIN-LOK	1.45	.86	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	12.7	11.2	81.0	81.0
4 :9/16	1051013	PIN-LOK	1.5	.86	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	14.2	12.2	81.0	81.0
4 :5/8	1051024	PIN-LOK	1.5	.86	124	92.2	25.4	5.58	28.7	38.1	92.0	29.5	25.4	19.1	16.0	14.0	84.0	81.0
5	1051035	ROLLOX	2.1	1.36	143	105	31.2	6.35	31.8	41.7	104	33.3	28.4	21.3	19.1	16.0	90.5	82.5
6	1051046	ROLLOX	3.6	1.72	158	119	31.8	6.35	35.3	41.7	116	39.9	34.0	24.6	22.4	19.1	103	90.0
7	1051057	ROLLOX	3.8	2.68	168	132	28.4	6.35	38.1	51.0	125	41.4	36.6	28.7	25.4	22.4	116	105
8	1051068	ROLLOX	5.0	3.54	182	147	26.9	7.11	44.5	57.0	148	51.0	41.9	31.2	28.4	23.9	129	114
9	1051079	ROLLOX	6.5	4.90	199	164	26.9	7.87	47.8	63.5	165	52.5	46.0	35.1	31.8	26.9	141	125
12 ‡	1051101	TIP-LOK	11.2	12.7	267	225	31.8	9.65	63.5	82.5	221	74.5	65.5	49.3	41.4	39.6	137	118
13 ‡	1051112	TIP-LOK	13.6	15.9	285	242	31.8	9.65	76.0	95.5	245	83.5	70.0	49.3	44.5	38.1	187	146
14 ‡	1051123	TIP-LOK	16.8	20.4	320	273	35.8	9.65	86.0	108	279	89.0	75.5	60.5	51.0	50.8	137	102
16	1051134	TIP-LOK	30.0	46.7	388	332	38.1	16.0	102	127	346	118	92.0	76.0	70.0	70.0	406	178
17	1051156	TIP-LOK	60.0	168	615	522	66.8	23.9	146	178	470	165	152	113	102	100	578	356

4:1 Design Factor. ‡Hook will have the shank extended by use of a Coupling Nut. Customer is required to complete and approve side 2 of a Crosby Bullard® hook data form.

Crosby® / Bullard Golden Gate Hooks Service Parts

Hook Size	Gate Type	BL-GA Gate Assemblies	BL-RK Gate Repair Kit
		Self Close Stock No.	Stock No.
2	PIN-LOK	1100309	1100101
3	PIN-LOK	1100331	1100102
4	PIN-LOK	1100353	1100103
5	ROLLOX	1100375	1100112
6	ROLLOX	1100397	1100113
7	ROLLOX	1100419	1100123
8	ROLLOX	1100441	1100124
9	ROLLOX	1100463	1100125
10	TIP-LOK	1100485	1100133
11	TIP-LOK	1100507	1100144
12	TIP-LOK	1100529	1100155
13	TIP-LOK	1100551	1100166
14	TIP-LOK	1100573	1100177
15	TIP-LOK	1100595	1100188
16	TIP-LOK	1100617	1100199
17	TIP-LOK	1100628	1100210

Bullard® QUIC-CHECK® Deformation Indicator Table

Hook Size	Hook ID Code	AA (mm)
1	1	38.1
2	D	38.1
3	F	38.1
4	G	50.8
5	H	50.8
6	6	63.5
7	I	63.5
8	8	76.2
9	J	101.6
11	K	101.6
12	L	101.6
13	13	127.0
14	N	127.0
16	O	165.1
17	T	254.0

© 2025 Kito Crosby. All Rights Reserved.

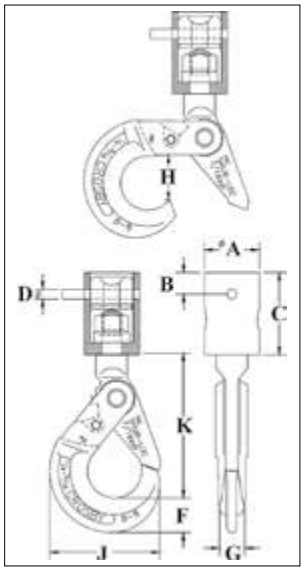
O-318

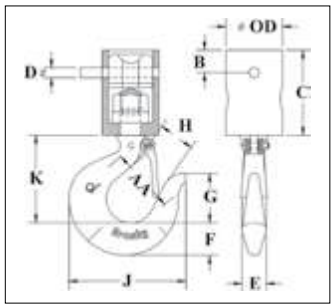


- With ball bearing swivel; attaches to chain by an alloy pin.
- Suitable for frequent rotation under load.
- O-318 Hooks utilize Crosby SHUR-LOC® positive locking hooks. Latch is self-locking when hook is loaded.
- O-319 Hooks utilize Crosby® standard 319 Shank Hooks which incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)
- Entire assembly is zinc plated.
- Repair kit available consisting of bearing and spring pin.

O-319







QUIC-CHECK®

APPLICATION AND WARNING INFORMATION
SECTION 17

O-318 Chain Nest Hooks

Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)									Replacement Trigger Kit Stock No.
				A	B	C	D	F	G	H	J	K	
6 - 7	1098409	1.5	1.59	44.5	17.8	66.5	7.87	27.9	20.6	37.1	89.0	117	6603011
8 - 10	1098427	2.1	2.72	54.0	17.8	81.0	9.65	29.2	23.9	46.5	110	144	6603012
10 - 11	1098445	3.8	6.24	76.0	25.4	111	12.7	42.2	29.5	53.5	138	179	6603013
13 - 14	1098463	3.8	6.24	76.0	25.4	111	16.0	42.2	29.5	53.5	138	179	6603013

4:1 Design Factor.

O-319 Chain Nest Hooks

Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)											Replacement Latch Kit Stock No.
				OD	AA	B	C	D	E	F	G	H	J	K	
6 - 7	1098312	1.5	1.16	44.5	51.0	17.8	66.5	7.87	19.1	25.4	38.9	25.4	92.0	68.5	1096421
8 - 10	1098334	2.1	1.81	54.0	51.0	17.8	81.0	9.65	21.3	28.4	43.7	28.4	104	77.5	1096468
10 - 11	1098356	3.8	4.54	76.0	63.5	25.4	111	12.7	28.4	36.6	54.0	34.0	123	96.0	1096515
13 - 14	1098378	3.8	4.54	76.0	63.5	25.4	111	16.0	28.4	36.6	54.0	34.0	123	96.0	1096515

4:1 Design Factor. *Deformation indicators.

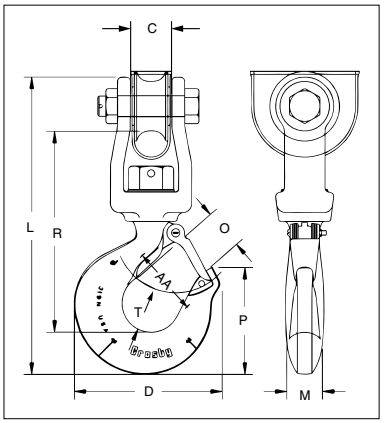
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

S-3319



- Designed for utility applications using synthetic rope.
- Suitable for positioning before lifting.
- Hook is forged alloy steel, Quenched & Tempered.
- Design of hook provides needed overhaul weight.
- Utilizes spool & shield designed to protect rope and keep rope positioned correctly on spool.
- Spool provides wider rope bearing surface resulting in an increased area for load distribution and reduces rope abrasion.



CE Q&T QUIC-CHECK®

APPLICATION AND WARNING INFORMATION
SECTION 17

S-3319 Utility Swivel Hook

Working Load Limit (t)	Stock No.	Weight Each (kg)	Hook ID Code	Synthetic Rope Size (mm)	Dimensions (mm)									Replacement Latch Kit Stock No.
					C	D	L	M	O	P	R	T	AA*	
1.63	1002054	1.90	HA	14 - 16	27.7	101	222	23.9	29.5	70.6	151	29.5	2.00	1096468
2.50	1002063	3.62	IA	19 - 21	33.2	123	268	30.2	35.8	88.1	179	38.9	2.50	1096515
4.50	1002072	6.80	JA	22 - 27	45.2	160	324	36.6	45.2	117	221	49.3	3.00	1096562

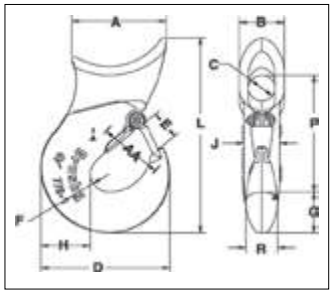
5:1 Design Factor. Maximum allowable proof load is 2 times the Working Load Limit. *Deformation indicators.

© 2025 Kito Crosby. All Rights Reserved.

A-350L



- New style incorporates throat opening equal to or larger than old style hooks.
- Each product has a Product Identification Code (PIC) for material traceability, along with a Working Load Limit, and the name Crosby or "CG" forged into it.
- All hooks incorporate Crosby's patented QUIC-CHECK® deformation indicators to help in determining if throat opening dimension has changed.
- Each hook is equipped with a Crosby S-4320 heavy duty stamped latch with the high cycle, long life spring.
- Forged alloy steel, Quenched & Tempered.



A-350L Sliding Choker Hook

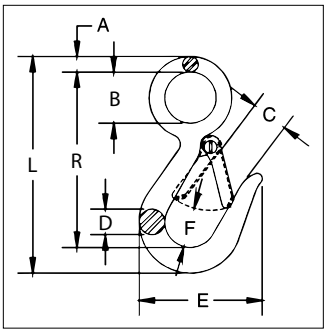
Single Part Rope Size (in. - mm)	Eight Part Rope Size (mm)	Stock No.	WLL (t)	Weight Each (kg)	Dimensions (mm)												Hook Frame Code	Replacement Latch Kit Stock No.
					A	B	C	D	E	F	G	H	L	P	R	AA*		
3/8 - 10	-	1011802	1.13	.35	52.5	28.7	16.0	61.0	16.0	9.65	21.3	23.1	109	66.0	16.0	38.1	DA	1096325
1/2 - 13	3	1011811	1.50	.54	57.0	33.3	19.1	75.5	19.8	12.7	24.6	26.9	126	78.5	19.1	38.1	FA	1096374
† 5/8 - 16	-	1011820	2.27	1.31	77.5	41.4	19.1	90.5	23.9	14.2	28.7	33.3	162	98.5	25.4	50.8	GA	1096421
† 5/8 - 16	4	1011839	2.27	1.22	77.5	41.4	25.4	90.5	23.9	14.2	28.7	33.3	162	102	28.7	50.8	GA	1096421
† 3/4 - 20	-	1011848	3.63	2.35	86.0	54.0	25.4	108	29.5	16.0	36.6	41.4	195	116	28.7	63.5	HA	1096468
† 3/4 - 20	6-7	1011857	3.63	2.27	86.0	54.0	36.6	108	29.5	16.0	36.6	41.4	195	121	28.7	63.5	HA	1096468
†† 7/8-1 - 22-25	-	1028177	6.75	4.40	112	53.8	31.8	154	35.8	22.4	51.0	59.2	243	145	38.1	76.2	IA	1096515

*Deformation indicators. †Determine eye diameter "C" before ordering. ††22-25mm is cast steel.

G-3315



- Forged carbon steel, Quenched & Tempered.
- Pressed steel latches and stainless steel springs, bolts and nuts.
- For replacement latch kit, order Stock No. 9900299.
- Hook body - galvanized.
- Suitable for overhead lifting if provisions are made for meeting applicable standards and the specific lifting requirements.



G-3315 Snap Hook

Hook Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)								Replacement Trigger Kit Stock No.
				A	B	C	D	E	F	L	R	
12	1023056	.34	.11	6.35	19.1	19.1	11.2	57.0	19.1	100	82.5	9900299
14	1023074	.45	.22	8.65	28.4	20.6	14.2	68.5	22.4	120	97.5	9900299

4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.



S-377

- Forged carbon steel, Quenched & Tempered.
- The resultant load on each hook cannot exceed 0.5t.
- Meets the performance requirements of Federal Specification RR-C-271G, Type V, Class 6, except for those provisions required of the contractor.

S-377 Barrel Hooks

Working Load Limit Per Pair (t)	Stock No. Per Pair	Weight Each Per Pair (kg)	Dimensions (mm)			
			I.D. of Eye	O.D. of Eye	Overall Length	Width of Lip
1.0	1028248	1.61	39.6	71.4	127	73.2

4:1 Design Factor.



A-378N Sorting Hook

- Forged alloy steel, Quenched & Tempered.
- Deep straight throat permits efficient handling of flat plates or large cylindrical shapes.

A-378N Sorting Hook

Working Load Limit at tip of Hook (T)	Working Load Limit at bottom of Hook (T)	Stock No	Weight Each (kg)	Dimensions (mm)			
				I.D. of Eye	Overall Length	Opening at top of Hook	Radius at bottom of Hook
2	7.5	1028033	2.91	35.0	246	71.4	15.9

4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

Crosby® Forged Swivels

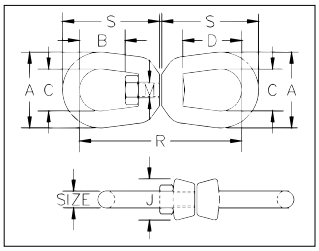
- 402 and 403 forged swivels are positioning devices and are not intended to rotate under load.
- Hot-dip galvanized.
- Quenched & Tempered.
- Crosby products meet or exceed all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements, including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- G-402 swivels meet the performance requirements of Federal Specification RR-C-271G, Type VII, Class 2, except for those provisions required of the contractor.
- G-403 swivels meet the performance requirements of Federal Specification RR-C-271G, Type VII, Class 3, except for those provisions required of the contractor.



13 - 32mm size



38mm size

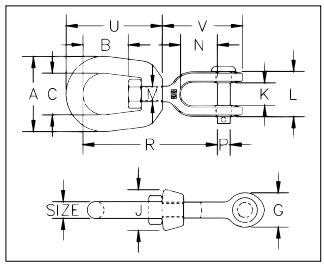


G-402 Regular Swivels

Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)							
				A	B	C	D	J	M	R	S
8	1016037	.57	.18	41.4	20.6	25.4	31.8	20.6	9.65	90.4	52.3
10	1016055	1.02	.32	51.0	23.9	31.8	38.1	25.4	12.7	109	63.5
13	1016073	1.63	.60	63.5	33.3	38.1	51.0	33.3	16.0	138	81.0
16	1016091	2.36	1.13	76.0	39.5	44.5	60.5	38.1	19.1	167	98.5
19	1016117	3.27	1.82	89.0	44.5	51.0	67.0	47.8	22.4	183	109
22	1016135	4.54	2.83	102	52.0	57.0	77.5	54.0	25.4	213	127
25	1016153	5.67	4.06	114	58.5	63.5	89.0	60.5	28.7	245	146
32	1016199	8.16	7.42	143	68.5	79.5	93.5	76.0	38.1	291	172
38	1016215	20.5	20.8	180	98.5	104	98.5	95.2	57.0	424	252

5:1 Design Factor.





G-403 Jaw End Swivels

Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)												
				A	B	C	G	J	K	L	M	N	P	R	U	V
8	1016411	.57	.15	41.4	20.6	25.4	20.6	20.6	12.7	28.7	9.7	22.4	7.9	74.5	52.0	46.0
10	1016439	1.02	.30	51.0	23.9	31.8	25.4	25.4	16.0	35.8	12.7	26.9	9.7	92.0	63.5	57.0
13	1016457	1.63	.61	63.5	33.3	38.1	33.3	33.3	19.1	44.5	16.0	33.3	12.7	114	81.0	73.0
16	1016475	2.36	1.12	76.0	39.5	44.5	41.4	38.1	23.9	52.0	19.1	38.1	16.0	135	98.5	87.5
19	1016493	3.27	1.76	89.0	44.5	51.0	47.8	47.8	28.7	64.5	22.4	44.5	19.1	154	109	102
22	1016518	4.54	2.66	102	52.0	57.0	54.0	54.0	34.0	70.9	25.4	52.0	22.4	178	127	115
25	1016536	5.67	4.46	114	58.5	63.5	67.0	60.5	44.5	94.5	28.7	71.5	28.7	217	146	151
32	1016572	8.16	7.14	145	68.5	79.5	79.5	76.0	52.0	109	41.4	71.5	35.1	248	179	162
38+	1016590	20.5	24.8	178	98.5	102	143	102	73.0	152	57.0	113	57.0	362	254	275

5:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

Crosby

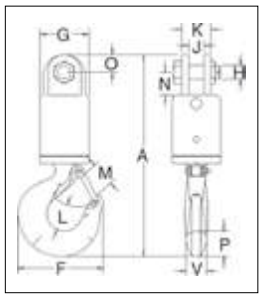


Crosby® Tapered Roller Bearing Swivels

- Equipped with tapered roller thrust bearing.
- Suitable for frequent rotation under load.
- All swivels individually proof tested to 2 times the Working Load Limit with labeled documentation.
- All hooks furnished with latches assembled.
- All jaws complete with bolts, nuts, and cotter pins.
- Pressure lube fitting provided.
- NOT TO BE USED ON DEMOLITION (WRECKING) BALLS.
- Other types and capacities up to 1,250t available to meet your requirements. Visit thecrosbygroup.com/engineeredsolutions for more information.
- IMPORTANT - Crosby swivels should only be used with the recommended wire rope. Contact the wire rope manufacturer for the proper wire rope to be used with Crosby swivels.



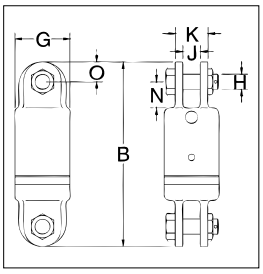
S-1 Jaw & Hook



Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)											
					A	F	G	H	J	K	L	M	N	O	P	V
3-S-1	297011	3	13	4.45	291	123	70.0	19.1	22.4	41.1	38.9	35.8	33.3	25.4	36.6	28.4
5-S-1	297217	5	16	7.04	339	160	76.0	22.4	25.4	57.0	49.3	42.9	41.1	28.4	46.0	36.6
8-S-1	297413	8.5	19	13.3	418	192	102	25.4	39.5	71.5	62.5	56.5	54.0	35.1	57.0	41.1
10-S-1	297618	10	22	21.2	502	212	114	38.1	44.5	86.0	66.0	61.0	89.0	44.5	66.0	49.3
15-S-1	297814	15	26	33.5	565	263	127	38.1	44.5	86.0	71.5	81.0	89.0	44.5	76.0	60.5
25-S-1	298118	25	-	64	680	346	152	51.0	51.0	117	87.5	92.0	93.5	60.5	93.0	76.0
35-S-1	298216	35	-	100	760	357	165	51.0	51.0	117	98.5	95.5	93.5	60.5	116	81.0
45-S-1	298314	45	-	114	891	392	178	57.0	63.5	127	121	108	102	76.0	129	82.5

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

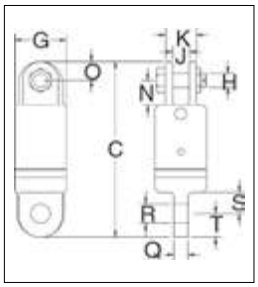
S-2 Jaw & Jaw



Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)						
					B	G	H	J	K	N	O
3-S-2	297020	3	13	4.37	236	70.0	19.1	22.4	41.1	33.3	25.4
5-S-2	297226	5	16	6.21	262	76.0	22.4	25.4	57.0	41.1	28.4
8-S-2	297422	8.5	19	11.9	321	102	25.4	39.5	71.5	54.0	35.1
10-S-2	297627	10	22	20.8	426	114	38.1	44.5	86.0	89.0	44.5
15-S-2	297823	15	26	28.5	435	127	38.1	44.5	86.0	89.0	44.5
25-S-2	298127	25	-	64	527	152	51.0	51.0	117	93.5	60.5
35-S-2	298225	35	-	70	527	165	51.0	51.0	117	93.5	60.5
45-S-2	298323	45	-	107	641	178	57.0	63.5	127	102	76.0

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-3 Jaw & Eye

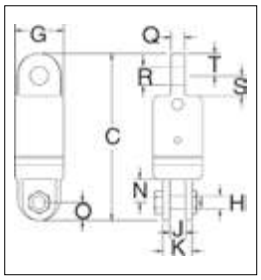


Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)										
					C	G	H	J	K	N	O	Q	R	S	T
3-S-3	297039	3	13	4.14	237	70.0	19.1	22.4	41.1	33.3	25.4	19.1	26.2	28.4	31.8
5-S-3	297235	5	16	6.12	256	76.0	22.4	25.4	57.0	41.1	28.4	25.4	32.5	31.8	31.8
8-S-3	297431	8.5	19	11.3	311	102	25.4	39.5	71.5	54.0	35.1	31.8	35.8	41.1	38.1
10-S-3	297636	10	22	19.7	409	114	38.1	44.5	86.0	89.0	44.5	42.9	42.9	70.0	47.8
15-S-3	297832	15	26	27.7	425	127	38.1	44.5	86.0	89.0	44.5	49.3	51.5	70.0	54.0
25-S-3	298136	25	-	61	546	152	51.0	51.0	117	93.5	60.5	57.0	58.5	98.5	60.5
35-S-3	298234	35	-	68	546	165	51.0	51.0	117	93.5	60.5	57.0	58.5	98.5	60.5
45-S-3	298332	45	-	102	657	178	57.0	63.5	127	102	76.0	63.5	64.5	102	76.0

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

S-4 Eye & Jaw

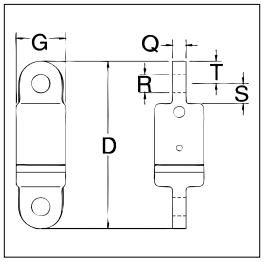


Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)										
					C	G	H	J	K	N	O	Q	R	S	T
3-S-4	297048	3	13	4.08	237	70.0	19.1	22.4	41.1	33.3	25.4	19.1	26.2	28.4	31.8
5-S-4	297244	5	16	5.60	256	76.0	22.4	25.4	57.0	41.1	28.4	25.4	32.5	31.8	31.8
8-S-4	297440	8.5	19	13.2	311	102	25.4	39.5	71.5	54.0	35.1	31.8	35.8	41.1	38.1
10-S-4	297645	10	22	20.0	409	114	38.1	44.5	86.0	89.0	44.5	42.9	42.9	70.0	47.8
15-S-4	297841	15	26	27.7	425	127	38.1	44.5	86.0	89.0	44.5	49.3	51.5	70.0	54.0
25-S-4	298145	25	-	61	546	152	51.0	51.0	117	93.5	60.5	57.0	58.5	98.5	60.5
35-S-4	298243	35	-	68	546	165	51.0	51.0	117	93.5	60.5	57.0	58.5	98.5	60.5
45-S-4	298341	45	-	102	657	178	57.0	63.5	127	102	76.0	63.5	64.5	102	76.0

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

4

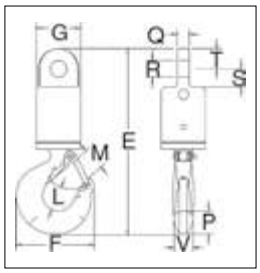
S-5 Eye & Eye



Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)					
					D	G	Q	R	S	T
3-S-5	297057	3	13	3.86	239	70.0	19.1	26.2	28.4	31.8
5-S-5	297253	5	16	5.13	249	76.0	25.4	32.5	31.8	31.8
8-S-5	297459	8.5	19	13.3	302	102	31.8	35.8	41.1	38.1
10-S-5	297654	10	22	19.1	394	114	42.9	42.9	70.0	47.8
15-S-5	297850	15	26	22.2	416	127	49.3	51.5	70.0	54.0
25-S-5	298154	25	-	59	565	152	57.0	58.5	98.5	60.5
35-S-5	298252	35	-	66	565	165	57.0	58.5	98.5	60.5
45-S-5	298350	45	-	98	673	178	63.5	64.5	102	76.0

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-6 Eye & Hook



Swivel No.	Stock No.	Working Load Limit (t)	Wire Rope Size (mm)	Weight Each (kg)	Dimensions (mm)										
					E	F	G	L	M	P	Q	R	S	T	V
3-S-6	297066	3	13	4.23	292	123	70.0	38.9	35.8	36.6	19.1	26.2	28.4	31.8	28.4
5-S-6	297262	5	16	6.46	332	160	76.0	49.3	42.9	46.0	25.4	32.5	31.8	31.8	36.6
8-S-6	297468	8.5	19	14.5	408	192	102	62.5	56.5	57.0	31.8	35.8	41.1	38.1	41.1
10-S-6	297663	10	22	20.6	486	212	114	66.0	61.0	66.0	42.9	42.9	70.0	47.8	49.3
15-S-6	297869	15	26	28.6	540	263	127	71.5	81.0	76.0	49.3	51.5	70.0	54.0	60.5
25-S-6	298163	25	-	61	699	346	152	87.5	92.0	93.0	57.0	58.5	98.5	60.5	76.0
35-S-6	298261	35	-	98	780	357	165	98.5	95.5	116	57.0	58.5	98.5	60.5	81.0
45-S-6	298369	45	-	122	907	392	178	121	108	129	63.5	64.5	102	76.0	82.5

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

Crosby Tapered Roller Bearing Swivels Service Parts

Working Load Limit (t)	Replacement Bolt Kit Stock No.	Replacement Latch Kit Stock No.
3	1411118	1096515
5	1411127	1096562
8.5	1411136	1096609
10	1411145	1096657
15	1411145	1096704
25	134893	1090161
35	134893	1090189
45	134900	1090189

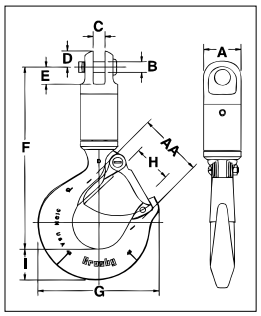
© 2025 Kito Crosby. All Rights Reserved.

Crosby® Angular Contact Bearing Swivels

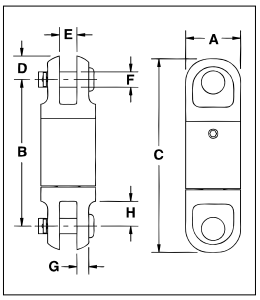


- Designed for high rotation speed, lower torque required to initiate rotation.
- Angular contact bearings maximize efficiency, reliability, and service life of swivel and extend the life of the wire rope.
- Entire swivel is zinc plated to resist corrosion.
- Individually Proof Tested to 2 times the Working Load Limit with certification.
- Hook models utilize genuine Crosby hooks which are forged alloy steel, quenched and tempered, and contain patented QUIC-CHECK® markings.
- Each swivel 7.65 metric tons and larger is furnished with a pressure lubrication fitting.
- For swivels larger than those listed, visit thecrosbygroup.com/engineeredsolutions for more information.

AS-1 Jaw & Hook



AS-2 Jaw & Jaw



AS-1 Jaw & Hook

AS-1 JAW & HOOK				Dimensions (mm)									Deformation Indicator AA	Replacement Latch Kit Stock No.	Replacement Bolt Kit Stock No.
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	H	I			
.40	3	1016001	.32	22.4	6.35	6.35	9.65	10.4	110	72.5	23.6	18.5	38.1	1096325	2018360
.68	6	1016010	.68	33.3	9.65	7.85	11.2	14.2	138	80.0	24.6	21.3	38.1	1096374	2018361
1.35	10	1016025	1.04	41.4	12.7	12.7	17.5	19.8	161	102	29.5	29.0	38.1	1096374	2018362
2.70	13	1016026	2.95	51.0	19.1	19.1	23.9	30.2	221	123	35.8	36.6	63.5	1096374	2018363
4.50	16	1016040	5.85	63.5	22.4	25.4	28.7	38.9	272	160	42.9	46.2	76.0	1096562	2018364
7.65	19	1016045	12.0	76.0	30.2	39.5	34.0	53.0	347	212	61.0	66.0	102	1096657	2018365
9.00	22	1016056	24.0	102	38.1	44.5	44.5	89.0	456	263	81.0	76.0	127	1096704	2018367
13.5	25	1016064	24.0	102	38.1	44.5	44.5	89.0	456	263	81.0	76.0	127	1096704	2018367
22.5	32	1016075	44.0	127	51.0	51.0	60.5	93.5	530	346	82.5	92.0	165	1090161	2018368
31.5	38	1016082	63.5	127	51.0	51.0	60.5	93.5	610	357	76.0	116	178	1090189	2018368

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-2 Jaw & Jaw

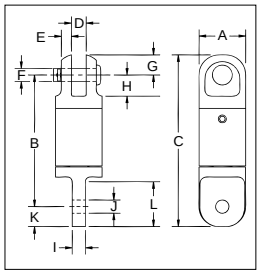
AS-2 JAW & JAW				Dimensions (mm)								Replacement Bolt Kit Stock No.
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	H	
.40	3	1016103	.18	22.4	60.5	79.5	9.65	6.35	6.35	4.80	10.4	2018360
.68	6	1016114	.41	33.3	90.0	113	11.2	7.85	9.65	5.60	14.2	2018361
1.35	10	1016122	.91	41.4	103	138	17.5	12.7	12.7	7.10	19.8	2018362
2.70	13	1016131	2.22	51.0	159	207	23.9	19.1	19.1	9.65	30.2	2018363
4.50	16	1016139	4.35	63.5	197	270	28.7	25.4	22.4	13.5	38.9	2018364
7.65	19	1016148	7.17	76.0	245	313	34.0	39.5	30.2	14.2	53.0	2018365
9.00	22	1016157	18.1	102	356	445	44.5	44.5	38.1	20.6	89.0	2018367
13.5	25	1016166	18.1	102	356	445	44.5	44.5	38.1	20.6	89.0	2018367
22.5	32	1016175	35.4	127	405	526	60.5	51.0	51.0	28.7	93.5	2018368
31.5	38	1016184	35.4	127	405	526	60.5	51.0	51.0	28.7	93.5	2018368

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

AS-3 Jaw & Eye





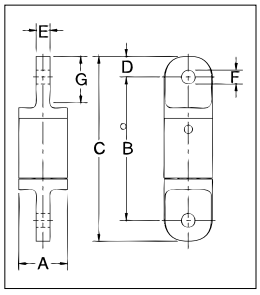
AS-5 Eye & Eye

AS-3 Jaw & Eye

AS-3 JAW & EYE				Dimensions (mm)												
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	H	I	J	K	L	Replacement Bolt Kit Stock No.
.40	3	1016205	.14	22.4	63.5	82.5	6.35	4.80	6.35	9.65	10.4	6.35	6.35	9.65	21.3	2018360
.68	6	1016216	.41	33.3	93.5	116	7.85	5.60	9.65	11.2	14.2	7.85	9.65	11.0	22.4	2018361
1.35	10	1016224	.86	41.4	106	138	12.7	7.10	12.7	17.5	19.8	12.7	16.8	16.0	35.1	2018362
2.70	13	1016232	2.09	51.0	157	207	19.1	9.65	19.1	23.9	30.2	19.1	23.1	25.0	51.0	2018363
4.50	16	1016243	4.13	63.5	200	259	25.4	13.5	22.4	28.7	38.1	25.4	31.8	30.0	67.0	2018364
7.65	19	1016250	7.08	76.0	241	311	39.5	14.2	31.8	34.0	53.0	31.8	35.8	38.0	79.5	2018365
9.00	22	1016259	17.7	102	349	440	44.5	20.6	38.1	44.5	89.0	43.7	41.4	46.0	119	2018367
13.5	25	1016268	18.1	102	341	440	44.5	20.6	38.1	44.5	89.0	51.0	51.0	54.0	119	2018367
22.5	32	1016277	35.4	127	406	527	51.0	28.7	51.0	60.5	93.5	57.0	58.5	61.0	133	2018368
31.5	38	1016286	35.4	127	406	527	51.0	28.7	51.0	60.5	93.5	57.0	58.5	61.0	133	2018368

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.





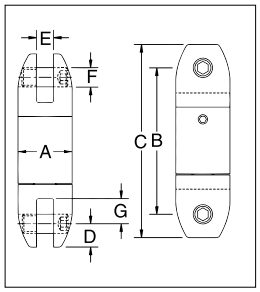
AS-5 Eye & Eye

AS-5 EYE & EYE				Dimensions (mm)						
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G
.40	3	1016409	.14	22.4	67.0	86.0	9.65	6.35	6.35	20.6
.68	6	1016418	.41	33.3	95.0	118	11.2	7.85	9.65	22.4
1.35	10	1016427	.82	41.4	110	141	16.0	12.7	16.8	34.0
2.70	13	1016436	1.95	51.0	156	207	25.4	19.1	23.1	51.0
4.50	16	1016445	3.90	63.5	197	270	30.2	25.4	31.8	67.0
7.65	19	1016454	7.00	76.0	237	313	38.1	31.8	35.8	79.5
9.00	22	1016463	16.8	102	353	445	46.0	43.7	41.4	119
13.5	25	1016472	17.7	102	337	445	54.0	51.0	54.0	119
22.5	32	1016481	32.7	127	406	527	60.5	57.0	58.5	133
31.5	38	1016490	32.7	127	406	527	60.5	57.0	58.5	133

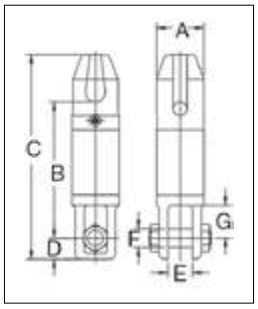
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

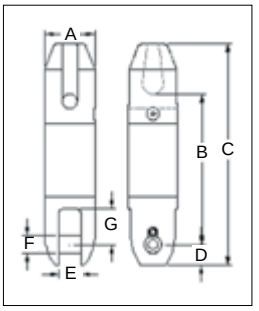
AS-7 Bullet Style Jaw & Jaw



AS-11 Thimble & Jaw



AS-14 Thimble & Bullet



AS-7 Bullet Style Jaw & Jaw

AS-7 BULLET STYLE JAW & JAW				Dimensions (mm)							Replacement Bolt Kit Stock No.
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	
.40	3	1016604	.18	22.4	60.5	79.5	9.65	6.35	7.85	10.2	2003936
.68	6	1016611	.50	33.3	90.0	113	11.2	7.85	9.65	14.2	2003904
1.35	10	1016622	.82	41.4	103	132	14.2	12.7	11.2	20.6	2003905
2.70	13	1016631	1.72	51.0	138	179	20.6	19.1	16.0	23.9	2003906
4.50	16	1016640	3.63	63.5	197	256	28.7	25.4	22.4	39.5	2003907
7.65	19	1016649	6.58	76.0	251	314	31.8	33.3	25.4	54.0	2003943
9.00	22	1016652	18.1	102	334	425	44.5	44.5	38.1	82.5	2003959
13.5	25	1016658	18.1	102	334	425	44.5	44.5	38.1	82.5	2003959
22.5	32	1016662	38.1	127	405	527	60.5	51.0	51.0	93.5	2003935
31.5	38	1016667	38.1	127	405	527	60.5	51.0	51.0	93.5	2003935

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-11 Thimble & Jaw

AS-11 THIMBLE & JAW				Dimensions (mm)							Replacement Bolt Kit Stock No.
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	
7.65	19	1017020	8.2	76.2	220	330	34.0	39.6	30.2	53.1	2018365
13.5	25	1017029	19.1	102	296	445	44.5	45.0	38.1	89.0	2018367

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-14 Thimble & Bullet

AS-14 THIMBLE & BULLET				Dimensions (mm)							Replacement Bolt Kit Stock No.
Working Load Limit (t)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	A	B	C	D	E	F	G	
7.7	20	1017255	9.0	76.2	229	337	31.8	33.3	25.4	54.1	2003943
13.6	26	1017258	18.0	102	292	441	44.5	44.5	38.1	82.6	2003959

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

BK Safety Hook

The Original

In 1965, the innovative Gunnebo Industries BK Safety Hook increased job site safety in the construction industry. Today the BK Safety Hook is the foundation of the renowned BK product family.

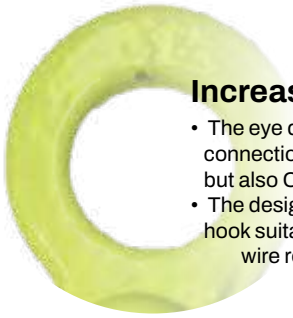


Watch a BK Safety Hook with Double Latch BKD demo at **kitocrosby.com/BKBKDdemo**



Clear markings

- Country of origin.
- Traceability codes.
- Model, size, and grade.



Increased flexibility

- The eye design enables connection to not only G-links, but also C-links and Berglok.
- The design makes the BK hook suitable for steel wire ropes.



Flat section

- For attachment to other GrabiQ or wire components.



Heavy duty rivet

- Recessed rivet for a slim design.
- Decreases the risk of snagging.
- Ideal in narrow spaces.



Latch rotation stop

- Protects the trigger mechanism from damage.



Quality is top priority

- Fatigue tested.
- Forged alloy steel.
- Hardened and tempered.
- Every hook is individually proof-loaded at 2.5 x WLL.
- Full traceability back to the raw material.

Replaceable trigger set

- Quick and easy assembly.
- Available as a complete spare part kit.



Precision manufacturing

- Perfect fit between the parts.
- Increases safety during operation.

Recessed trigger

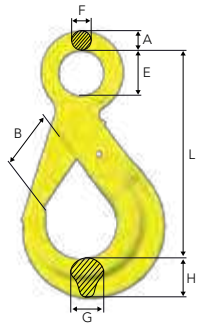
- To avoid the trigger from snagging or being damaged, it has been recessed into the body of the hook.
- Helps to prevent the latch from accidentally opening.

Fluorescent color

- For high visibility in the field.

© 2025 Kito Crosby. All Rights Reserved.

Safety Hook BK

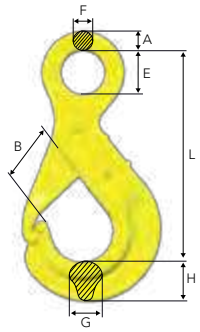


The "original" safety hook with eye connector

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			A	L	B	E	F	G	H	
Z101108	BK-6-10	1.5	12	109	29	22	10	15	21	0.5
Z101097	BK-7/8-10	2.6	14	138	37	28	11	17	26	0.9
Z101024	BK-10-10	4.0	16	168	45	34	13	21	31	1.5
Z101032	BK-13-10	6.8	20	207	55	44	16	30	40	3.0
Z101040	BK-16-10	10.3	26	254	62	56	20	37	50	5.5
Z101089	BK-18/20-10	16.0	30	289	68	60	22	44	64	9.0
Z101325	BK-22-10	20.0	32	320	80	70	24	50	64	11.3
Z101326	BK-26-10	27.3	35	342	100	80	25	54	68	16.5

4:1 Design Factor Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M. For larger sizes, see Classic Grade 8.

Safety Hook OBK

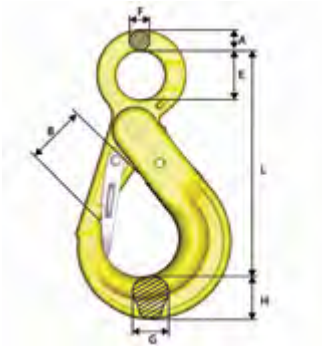


Safety hook with eye connector and grip latch.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			A	L	B	E	F	G	H	
Z101048	OBK-6-10	1.5	12	103	26	22	9	15	17	0.4
Z101143	OBK-7/8-10	2.6	14	139	37	28	10	20	22	0.8
Z101145	OBK-10-10	4.0	16	170	47	34	13	22	29	1.3
Z101147	OBK-13-10	6.8	21	206	53	44	15	29	38	2.6
Z101141	OBK-16-10	10.3	26	251	68	56	19	29	45	4.4
Z101240	OBK-18/20-10	16.0	28	293	74	60	22	44	56	8.3

For larger sizes see Classic Grade 8(OBK-22-8). Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor. For larger sizes see Classic Grade 8 (OBK-22-8).

Safety Hook BKD

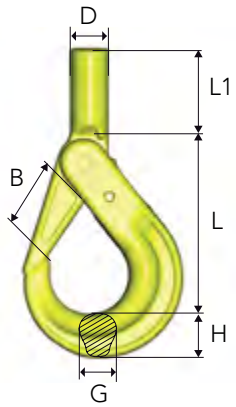


Double latch BK-hook with recessed trigger. Should the first hook latch accidentally open, either through direct impact or excessive wear on the trigger, the extra latch is there to retain the load safely. The secondary latch is designed to be easily operated and will not cause inconvenience for the operator.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			A	L	B	E	F	G	H	
Z101154	BKD-13-10	6.8	20	207	44	44	16	30	40	3.2
Z101155	BKD-16-10	10.3	26	254	48	56	20	37	50	5.8
Z101156	BKD-18/20-10	16.0	30	289	52	60	22	46	62	9.1

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

Shank Safety Hook BKT

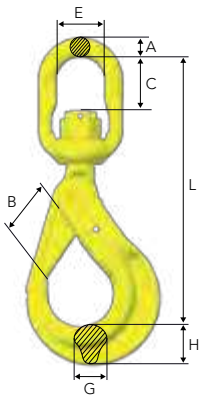


Safety hook with shank ready for customized machines.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	L1	D	d min	G	H	
Z1011120	BKT-6-10	1.5	89	29	39	20	11	15	21	0.5
Z1011020	BKT-7/8-10	2.6	111	37	47	24	13	17	26	0.9
Z1010690	BKT-10-10	4.0	133	45	51	29	16	21	30	1.6
Z1010710	BKT-13-10	6.8	169	55	68	34	20	30	39	3.2

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
d min = the smallest permitted shank dimension after machining.
Note! After machining of the shank, proof loading must be carried out.
4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.

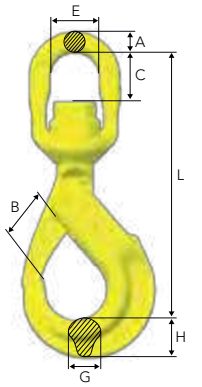


Swivel Safety Hook BKL

Safety hook with swivel for improved positioning of the hook before the load is lifted (360º rotation).

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z101114	BKL-6-10	1.5	149	29	23	33	11	15	21	0.7
Z101104	BKL-7/8-10	2.6	183	37	27	38	12	17	26	1.2
Z101028	BKL-10-10	4.0	218	45	37	44	15	21	31	2.0
Z101036	BKL-13-10	6.8	282	55	49	48	19	30	40	4.0
Z101044	BKL-16-10	10.3	341	62	65	61	25	37	50	7.2
Z101093	BKL-18/20-10	16.0	368	68	70	72	31	44	62	11.4

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor



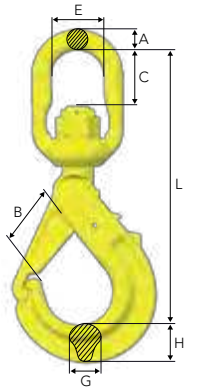
Swivel Safety Hook BKLK

Safety hook with ball-bearing for 360º rotation under full WLL.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z101116	BKLK-6-10	1.5	149	29	24	33	11	15	21	0.7
Z101106	BKLK-7/8-10	2.6	183	37	27	38	12	17	26	1.2
Z101030	BKLK-10-10	4.0	218	45	35	44	15	21	31	2.0
Z101038	BKLK-13-10	6.8	280	55	45	48	19	30	40	4.0
Z101046	BKLK-16-10	10.3	339	62	62	61	25	37	50	7.3
Z101095	BKLK-18/20-10	16.0	368	68	60	72	31	44	62	11.5
Z101294	BKLK-22-10 OS	20.0	436	79	80	80	35	50	62	16.8
Z101295	BKLK-26-10 OS	27.3	486	100	110	102	45	54	68	26.0

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
For larger sizes, see Classic Grade 8.

4:1 Design Factor

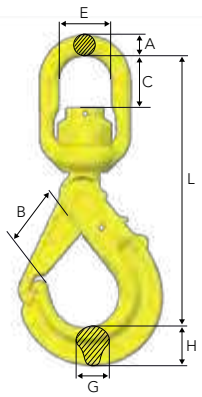


Swivel Safety Hook with Griplatch LBK

Safety hook with griplatch and swivel for improved positioning of the hook before the load is lifted (360º rotation).

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z100978	LBK-7/8-10	2.6	177	37	27	38	12	20	22	1.1
Z100960	LBK-10-10	4.0	214	47	37	44	15	22	29	1.8
Z100993	LBK-13-10	6.8	262	53	45	48	19	29	38	3.5
Z100995	LBK-16-10	10.3	324	68	66	61	25	30	45	5.9

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor



Swivel Safety Hook with Griplatch LKBK

Safety hook with griplatch and ball-bearing for 360º rotation under full WLL.

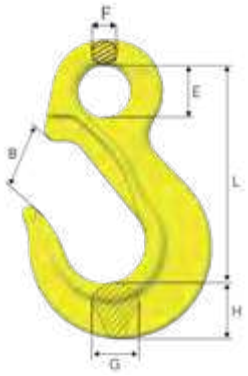
Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z100980	LKBK-7/8-10	2.6	176	37	27	38	12	20	22	1.1
Z100962	LKBK-10-10	4.0	213	47	35	44	15	22	29	1.9
Z100997	LKBK-13-10	6.8	261	53	43	48	19	29	38	3.6
Z100999	LKBK-16-10	10.3	323	68	61	61	25	30	45	6.2

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.

Sling Hook EK

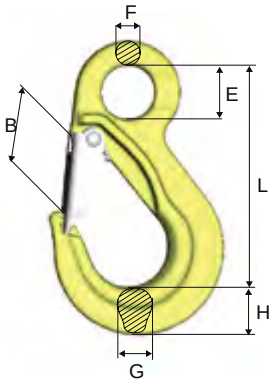
Sling hook with eye connector.



Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z101162	EK- 6-10	1.5	93	29	23	10	17	20	0.4
Z101164	EK- 7/8-10	2.6	108	32	28	12	17	23	0.5
Z101166	EK-10-10	4.0	134	41	34	14	23	30	0.9
Z101168	EK-13-10	6.8	166	49	44	18	28	38	2.0
Z101170	EK-16-10	10.3	203	61	56	22	36	47	3.3
Z101306	EK-20-10	16.0	229	71	61	26	42	60	6.2
Z101307	EK-22-10	20.0	267	82	64	31	43	67	8.5
Z101308	EK-26-10	27.3	301	95	66	32	51	75	12.1
Z101309	EK-32-10	40.0	353	105	90	38	61	98	24.6

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02.

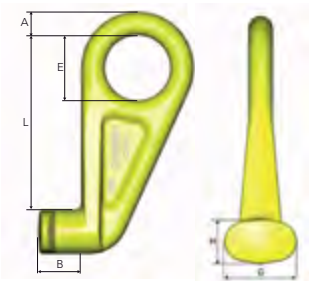
Sling Hook EKN (with latch)



Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z101128	EKN- 6-10	1.5	93	25	23	10	17	20	0.4
Z101130	EKN- 7/8-10	2.6	108	26	28	12	17	23	0.6
Z101132	EKN-10-10	4.0	134	37	34	14	23	30	1.0
Z101134	EKN-13-10	6.8	166	42	44	18	28	38	2.1
Z101136	EKN-16-10	10.3	203	53	56	22	36	47	4.0
Z101327	EKN-20-10	16.0	229	60	61	26	42	60	6.4
Z101328	EKN-22-10	20.0	267	73	64	31	43	67	8.9
Z101329	EKN-26-10	27.3	301	82	66	32	51	75	13.0
Z101330	EKN-32-10	40.0	353	96	90	38	61	98	25.0

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor

Container Hook CH

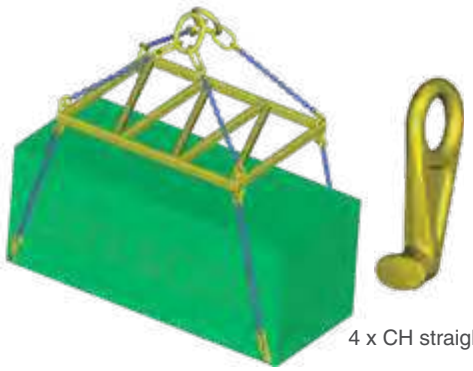


Made for lifting containers in their lower fittings.

Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			A	L	E	B	H	G	
Z101220	CH-3	12.5	25	187	70	46	47	75	3.8
Z101221	CH-3. 45° left	12.5	25	187	70	46	47	75	3.8
Z101219	CH-3. 45° right	12.5	25	187	70	46	47	75	3.8

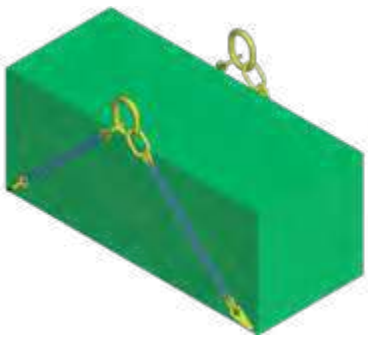
4:1 Design Factor

Alt. 1 - Straight lift



4 x CH straight

Alt. 2 - Angular lift

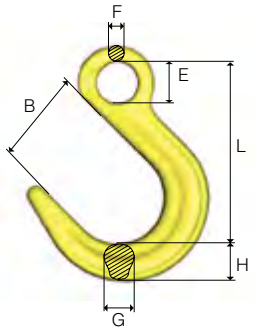




2 x CH turned 45° right

2 x CH turned 45° left

© 2025 Kito Crosby. All Rights Reserved.



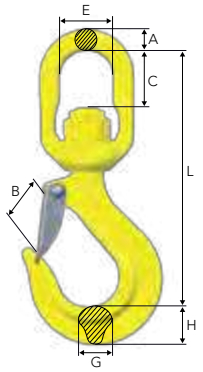
Foundry Hook OKE

Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z100853	OKE-7/8-10	2.6	124	63	28	12	21	26	0.8
Z100854	OKE-10-10	4.0	151	76	34	15	26	30	1.4
Z100855	OKE-13-10	6.8	184	90	44	19	33	39	2.8
Z100898	OKE-16-10	10.3	218	102	56	23	40	46	4.9
Z101340	OKE-20-10	16.0	247	114	60	27	46	60	7.2
Z101341	OKE-22-10	20.0	275	120	64	31	60	70	11.3
Z101342	OKE-26-10	27.3	300	113	70	35	64	77	16.0

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

For larger sizes, see Classic Grade 8.

4:1 Design Factor



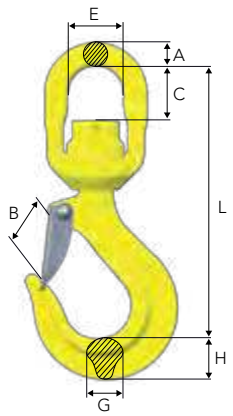
Swivel Latch Hook LKN

Sling hook with swivel for improved positioning of the hook before the load is lifted (360º rotation).

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z101345	LKN-7/8-10	2.6	155	28	28	38	12	18	24	0.8
Z101346	LKN-10-10	4.0	192	35	37	44	15	23	31	1.5
Z101347	LKN-13-10	6.8	238	40	47	48	19	28	38	3.1
Z101348	LKN-16-10	10.3	295	53	65	61	25	34	43	5.3

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor



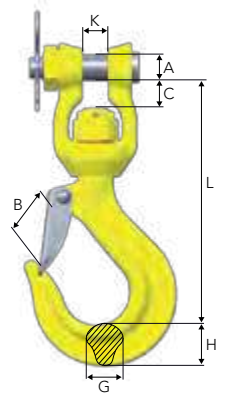
Swivel Latch Hook LKNK

Swivel latch hook with ball bearing for 360º rotation under full WLL.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z101349	LKNK-7/8-10	2.6	154	28	28	38	12	18	24	0.9
Z101350	LKNK-10-10	4.0	191	35	35	44	15	23	31	1.6
Z101351	LKNK-13-10	6.8	236	40	45	48	19	28	38	3.3
Z101352	LKNK-16-10	10.3	293	53	62	61	25	34	43	5.6
Z101354	LKNK-22-10	20.0	400	74	80	80	35	43	67	15.1

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor



Clevis Swivel Hook LKNG

For direct connection to small cranes or similar applications that require positioning of hook.

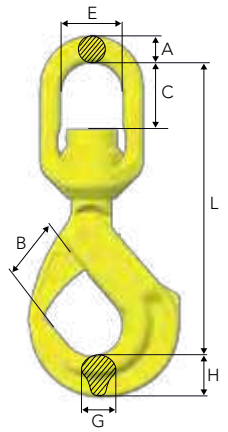
Swivel for improved positioning (360°).

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	A	G	H	K	
Z101353	LKNG-16-10	10.3	258	53	30	28	34	43	27	5.7

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

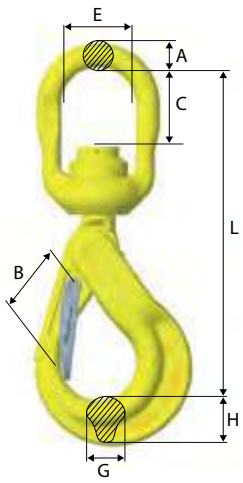
© 2025 Kito Crosby. All Rights Reserved.



Swivel Safety Hook BKLK Offshore HDG

Stock No.	Code	WLL (t) 4:1	WLL (t) 5:1	Dimensions (mm)							Weight (kg)
				L	B	C	E	A	G	H	
ZG101370	BKLK-13-8 OS W HDG	6.7	5.4	307	55	72	61	25	30	40	4.9
ZG101371	BKLK-16-8 OS W HDG	10.3	8.2	365	62	88	82	26	37	50	8.4
ZG1013561	BKLK-18/20-8 OS W HDG	16.0	12.8	395	68	88	80	35	46	64	13.9
ZG101294	BKLK-22-8 OS HDG	20.0	16.0	436	79	80	80	35	50	62	16.8
ZG101295	BKLK-26-8 OS HDG	27.3	21.6	486	100	110	102	45	54	68	26.5
ZG101344	BKLK-32-8 OS HDG	32.8	26.2	533	120	110	102	45	62	86	32.3

Manufactured according to requirements in: DNV 2.7-1:2013, DNVGL-ST-0377:2016, DNVGL-ST-0388:2016 and NORSOK R-002:2017.



Safety Hook BKLKD Offshore with Double Latch HDG

With recessed trigger

Due to the motion of the sea when loading and unloading offshore, direct impact on the hook could cause the latch to unintentionally open when not being under load, risking the load to unhitch. The double latch safety hook has an extra latch retaining the load in this case.

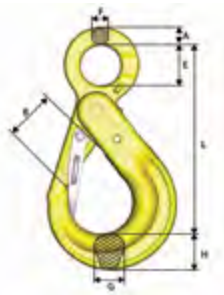
Stock No.	Code	WLL (t) 4:1	WLL (t) 5:1	Dimensions (mm)							Weight (kg)
				L	B	C	E	A	G	H	
ZGS1167	BKLKD-13-8 OS W HDG	6.7	5.4	307	43	72	61	25	30	40	5.0
ZGS1168	BKLKD-16-8 OS W HDG	10.3	8.2	365	48	88	82	26	37	50	8.8
ZGS1169	BKLKD-18/20-8 OS W HDG	16.0	12.8	395	52	88	80	35	46	64	14.3

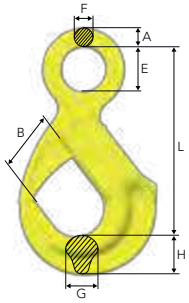
Manufactured according to requirements in: DNV 2.7-1:2013, DNVGL-ST-0377:2016, DNVGL-ST-0388:2016 and NORSOK R-002:2017

Double Latch
Should the hook latch accidentally open, either through direct impact or excessive wear on the trigger, the extra latch is there to retain the load safely. The extra latch is designed to be easily operatad.



Recessed Trigger
To avoid the trigger from being hit or damaged it has been recessed into the hook. This prevents the latch further from accidentally opening.





Safety Hook BK Offshore HDG

Stock No.	Code	WLL (t) 4:1	WLL (t) 5:1	Dimensions (mm)							Weight (kg)
				A	L	B	E	F	G	H	
ZG101355	BK-26-8 OS HDG	27.3	21.6	–	342	100	80	25	54	68	16.5
ZG101364	BK-32-8 OS HDG	32.8	26.2	–	400	120	90	30	62	86	23.3
	With double latch										
Z101373	BKD-26-10	27.3	35	342	72	80	25	54	68	16.8	37.04

Offshore material, impact toughness > 20 ft-lb (27 J) at -4ºF.

Manufactured according to requirements in: DNV 2.7-1:2013, DNVGL-ST-0377:2016, DNVGL-ST-0388:2016 and NORSOK R-002:2017

© 2025 Kito Crosby. All Rights Reserved.

Increased safety in heavy lifting operations

The WRIN STR Handle provides additional safety to the Gunnebo Industries BK Safety Hook family.



Improved workplace safety

- With the WRIN STR Handle, the operator opens and closes the safety hook without placing their hands inside the hook, resulting in a reduced risk of personal injury on job sites. The handle is easily mounted to the safety hook, without compromising the integrity of design and capabilities of the hook.



Suitable to any safety hook within the BK family

- The WRIN STR Handle is easily mounted to any safety hook within the BK family.
- For sling shops the WRIN STR Handle is the perfect complement to the BK safety hooks, reducing the need for stocking a large assortment of different safety hooks.
- If the handle is fully operable, it can be mounted and reused on a new hook if the existing hook is worn out.



Unique design

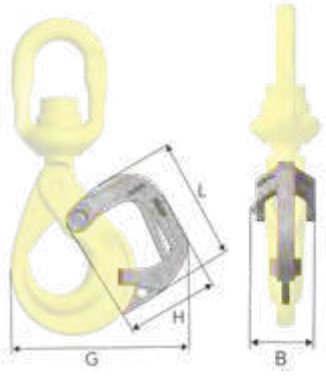
- The handle will keep the integrity of the hook's design and capabilities uncompromised.
- The handle is clamped to the hook and fixed by the hook's trigger pin.
- Hole for attaching a lead line for easy retrieval.
- Made of stainless steel according to AISI 316.

WRIN STR Handle

Suitable to any safety hook within the Gunnebo Industries BK family.

Stock No.	Code	Hook size (mm)	Dimensions (mm)				Suits the following safety hooks:	Weight (kg)
			L	H	B	G		
Z101411	STRG10	10	125	95	40	155	BK, BKG, BKL, BKLK	0.55
Z101413	STRG13	13	145	103	60	184	BK, BKG, BKL, BKLK	0.80
Z101414	STRG16	16	182	140	80	255	BK, BKG, BKL, BKLK	1.85
Z101415	STRG20	18/20	194	155	90	280	BK, BKG, BKL, BKLK	2.50
Z101416	STRG22	22	203	164	90	300	BK, BKLK	2.55
Z101417	STRG26	26	215	192	103	348	BK, BKLK	3.40
Z101418	STRG32	32	263	179	103	380	BK, BKLK	3.95

Material: Stainless steel according to AISI 316.



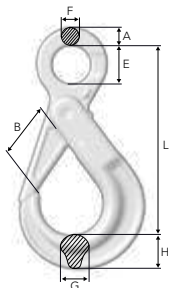


Hot-dip galvanized (HDG) hooks for offshore harsh environments. Watch video at **kitocrosby.com/HDGhooks**



Understanding the importance of high ductility in lifting equipment. Watch video at **kitocrosby.com/ductility**

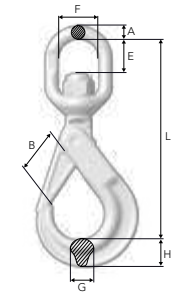
© 2025 Kito Crosby. All Rights Reserved.



Safety Hook BK HDG

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			A	L	B	E	F	G	H	
ZG101108	BK-6-8 HDG	1.12	12	109	29	22	10	15	21	0.5
ZG101097	BK-7/8-8 HDG	2.0	14	138	37	28	11	17	26	0.9
ZG101024	BK-10-8 HDG	3.2	16	168	45	34	13	21	31	1.5
ZG101032	BK-13-8 HDG	5.4	20	207	55	44	16	30	40	3.0

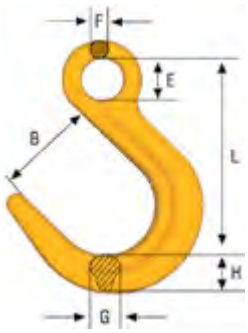
4:1 Design Factor



Swivel Safety Hook BKL HDG

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
ZG101028	BKL-10-8 HDG	3.2	218	45	37	44	15	21	31	2.0
ZG101036	BKL-13-8 HDG	5.4	282	55	49	48	19	30	40	4.0
ZG101044	BKL-16-8 HDG	8.2	344	62	68	61	25	37	50	7.3

4:1 Design Factor



Foundry Hook OKE

Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z645564	OKE-32-8	32.8	384	145	90	42	77	94	30

Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
4:1 Design Factor



Surface Treatment Production I Växjö, Sweden



Collaborative Robot I Växjö, Sweden



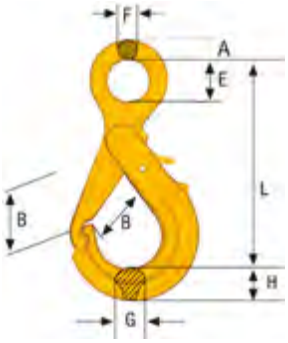
Testing & Inspection I Växjö, Sweden

Behind the Scenes

Get a behind-the-scenes look at the innovative processes to manufacture the world's leading rigging, lifting, and load securement hardware.

Watch all videos at kitocrosby.com/facilities

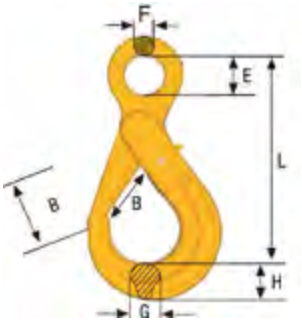
© 2025 Kito Crosby. All Rights Reserved.



Safety Hook with Griplatch OBK

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			A	L	B	E	F	G	H	
Z100218	OBK-22-8	15.5	30	335	87	70	24	40	58	10.2

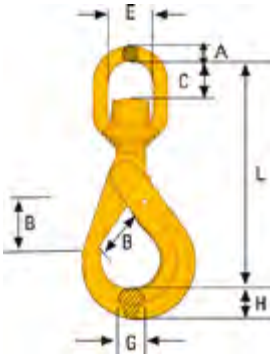
Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
4:1 Design Factor



Safety Hook BK

Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z101357	BK-32-8	32.8	400	120	90	30	62	86	23.8

Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
4:1 Design Factor

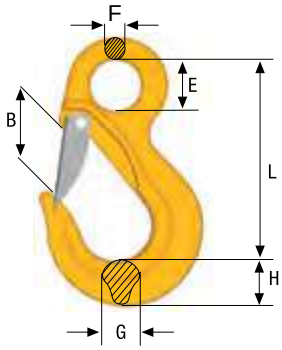


Swivel Safety Hook BKLK

Safety hook with ball-bearing for 360° rotation under full load.

Stock No.	Code	WLL (t)	Dimensions (mm)							Weight (kg)
			L	B	C	E	A	G	H	
Z101344	BKLK-32-8	32.8	533	120	110	102	45	62	86	32.3

Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
4:1 Design Factor



Sling Hook EK (without latch) and EKN (with latch)

Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			L	B	E	F	G	H	
Z100720	EK-32-8	32.8	333	105	76	38	61	80	17.7
Z100725	EKN-32-8	32.8	333	93	76	38	61	80	17.9

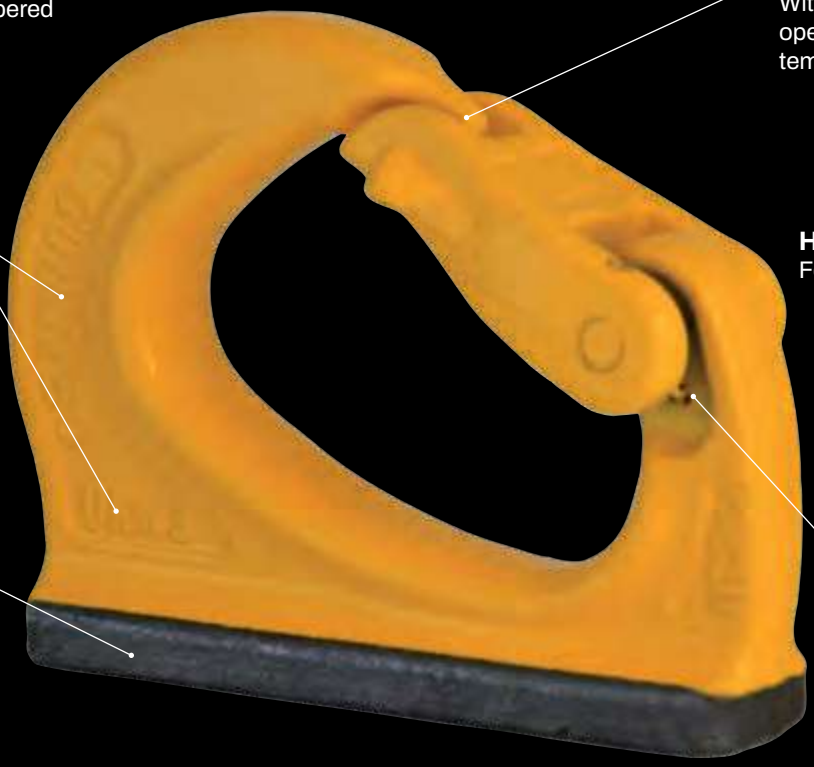
Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.

100% proof-loaded
Every hook is individually proof-loaded at 3 x WLL

Quality design
Forged alloy steel; hardened and tempered

Heavy-duty latch
With handles for easy opening; hardened and tempered



Clear markings
Country of origin; traceability code; model and size

High durability
Forged, 5:1 Design Factor

Prepared for welding
Base plate prepared for welding

Pin & spring
Spring protection; hardened and tempered hinge pin; stainless steel pin

Universal Weld-On Hook (UKN)

THE ORIGINAL EXCAVATOR HOOK

Rigging gear is often incorrectly attached to excavators, either to the teeth of the bucket or directly on the arm. This dangerous practice can lead to serious accidents. Since 1975, the Gunnebo Industries UKN Hook has transformed excavators into lifting cranes, increasing safety on job sites worldwide.

See the UKN Hook product page in Section 11 for more information.

GUNNEBO® Industries

KITO CROSBY™

kitocrosby.com

Spare Part RD BK

(with assembly kit)

Set for BK/BKG Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Recessed trigger

Stock No.	Code	Weight (kg)
Z100282	RDBK-6	0.02
Z100283	RDBK-8	0.03
Z100284	RDBK-10	0.03
Z100285	RDBK-13	0.05
Z100286	RDBK-16	0.10
Z100297	RDBK-18/20	0.21
Z100287	RDBK-22	0.20
Z100280	RDBK-26	0.50
Z100294	RDBK-32	0.70

Standard trigger (long trigger)

Stock No.	Code	Weight (kg)
Z1002820	RDBK-6	0.01
Z1002830	RDBK-7/8	0.03
Z1002840	RDBK-10	0.03
Z1002850	RDBK-13	0.05
Z1002860	RDBK-16	0.12

Spare Part RD OBK/GBK

(with assembly kit)

Set for OBK/GBK Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (kg)
Z100281	RDOBK-6	0.02
Z100288	RDOBK-7/8	0.03
Z100289	RDOBK-10	0.03
Z100290	RDOBK-13	0.05
Z100291	RDOBK-16	0.08
Z100297	RDBK-18/20	0.21
Z100323	RDBK-22	0.35

Spare Part RD BKD/BKLKD

(with assembly kit)

Set for BKD/BKLD Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (kg)
Z101157	RDBKD-13 double latch	0.22
Z101158	RDBKD-16 double latch	0.42
Z101159	RDBKD-18/20 double latch	0.47

Spare Part RD GKN/OKN

Set for GKN/OKN Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (kg)
Z622175	RDGKN/OKN-7/8-8	0.05
Z622183	RDGKN/OKN-10-8	0.09
Z622206	RDGKN/OKN-13-8	0.13
Z622214	RDGKN-16-8	0.22

© 2025 Kito Crosby. All Rights Reserved.



Spare Part RD LKNG

Stock No.	Code	Weight (kg)
Z700495	RDLKNG-16 Bolt and Nut	0.7
B60122	RDLKNG-16 Bronze Washer and Retaining pin	0.03



Spare Part LKN / LKNK / EKN / OKN / EGKN / RH / ESKN

Set consisting of latch, stainless steel spring, and rivet.

Stock No.	Code	Weight (kg)
Z100445	RDEKN- 6 / OKN / RH 1	0.03
Z100447	RDEKN- 7/8 /LKN / RH 2	0.05
Z100450	RDEKN-10 / LKN / RH 3	0.06
Z100449	RDEKN-13 / LKN / RH 5	0.13
Z100217	RDEKN-16 / LKN	0.20
Z100453	RDEKN-18/20	0.26
Z100452	RDEKN-22	0.42
Z100742	RDEKN-26	0.53
Z100743	RDEKN-32	0.60



Spare Part Set SKN, OKN and LKN (old version)

Set consisting of latch, stainless steel spring, and rivet.

Stock No.	Code	Weight (kg)
Z420581	RDSKN/LKN-7/8-8	0.05
Z420688	RDSKN/LKN-10-8	0.10
Z420785	RDSKN/LKN-13-8	0.14
Z420989	RDSKN/OKN-16-8	0.22
Z421087	RDSKN/OKN-18/20-8	0.27



Spare Part UKN

Spare part set RDUKN (msp) consisting of forged latch, pin, stainless steel spring, and retaining pin.

Stock No.	Code	Weight (kg)	UKN Part Number	UKN Code
Z100258	RDUKN-0.75	0.06	Z1002560	UKN- 0,75
Z700264	RDUKN-1	0.12	Z6511810	UKN- 1
Z700958	RDUKN-2	0.20	Z7009060	UKN- 2
Z700266	RDUKN-3/4	0.20	Z6455730, Z6521160	UKN- 3, UKN- 4
Z700268	RDUKN-5/8	0.36	Z6455800, Z6515390	UKN- 5, UKN- 8
Z700269	RDUKN-10	0.88	Z6456030	UKN-10
Z700984	RDUKN-15/20	1.20	Z1007850, Z1007851	UKN-15, UKN-20

© 2025 Kito Crosby. All Rights Reserved.



MASTER LINKS

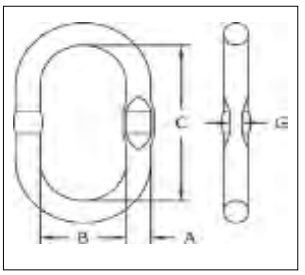
A wide range of standard and application-specific links for use in normal to highly corrosive environments

kitocrosby.com

A-1343



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference applications & warnings.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and “CG.”
- A-1343 master links are type approved to DNV Certification. Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



Grade 100 A-1343 Welded Master Link

Stock No.	Weight Each (kg)	Grade 100 Chain Sling		Grade 80 Chain Sling		WLL (t)	Proof Load (t)	Dimensions (mm)				Engineered Flat Size for S-1325A (mm)
		Single Leg Chain Size (mm)	Double Leg Chain Size (mm)	Single Leg Chain Size (mm)	Double Leg Chain Size (mm)			A	B	C	G	
1247051	0.4	6, 7	6, 7	6, 7, 8	6, 7, 8	3.2	8.0	13	60	120	6.5	6, 7, 8
1247087	0.84	8, 10	8	8, 10	8	4.1	10.2	17	90	160	8.5	10
1247096	1.1	10, 13	10	10, 13	10	6.7	16.7	19	90	160	8.5	10, 13
1247122	2.3	10, 13	10	10, 13	10	7.0	17.5	22	145	275	10.5	13
1247120	1.6	13	10	13, 16	13	8.8	22.0	22	100	180	10.5	13
1247126	3	13	-	13, 16	13	8.9	22.2	25	145	275	13.5	16
1247124	2.4	13, 16	13	16	16	11.5	28.7	25	115	210	13.5	16
1247133	3.9	13, 16	13	16	16	13.0	32.5	28	145	275	13.5	16
1247142	4.8	16	16	19, 20	19, 20	17.0	42.5	32	145	275	16.7	-
1247151	6.9	20	20	20, 22	20, 22	24.0	60.0	36	155	285	-	-
1247163	7.3	22, 23	22, 23	23, 26	23, 26	31.5	78.7	40	140	270	-	-
1247164	12.9	26	26	26	26	38.3	95.7	45	180	340	-	-
1247166	19.1	26	26	32	32	45.0	112.5	51	215	390	-	-
1247175	25.1	32	32	32	32	67.0	167.5	55	203	406	-	-
*1257591	42.80	-	-	-	-	90.0	225	70	250	450	-	-
*1257600	57.00	-	-	-	-	125.0	312.5	80	260	450	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. 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. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to Applications & Warnings to determine product’s actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm). *These master links are Grade 80 and painted gold.

Fatigue Rated Crosby 8/10™ CE QT

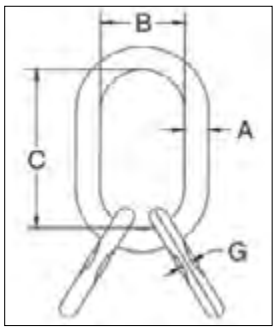
APPLICATION AND WARNING INFORMATION
SECTION 17

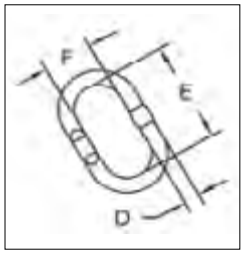
© 2025 Kito Crosby. All Rights Reserved.

A-1346



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference Applications & Warnings.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and “CG.” Each sublink is marked with traceability code.
- A-1346 master links are type approved to DNV Certification. Notes 2.7-1-Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impacted tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.





5

Grade 100 A-1346 Welded Master Link Assembly

Stock No.	Weight Each (kg)	Grade 100 Chain Sling Three / Four Legs Chain Size (mm)	Grade 80 Chain Sling Three / Four Legs Chain Size (mm)	WLL (t)	Proof Load (t)	Dimensions (mm)							Engineered Flat Size for S-1325A Chain Size (mm)
						A	B	C	D	E	F	G	
1256865	1.1	6	6	3.2	8.0	13	60	120	13	120	60	6.5	6
1256868	1.6	6	6, 7	4.1	10.2	17	90	160	13	120	60	6.5	6, 7
1256874	1.8	6, 7	7	4.2	10.6	19	90	160	13	120	60	6.5	7, 8
1256878	3.3	8	10	7.0	17.5	22	100	180	17	160	90	8.5	10
1256880	4.1	8	10	7.0	17.5	22	145	275	17	160	90	8.5	10
1256876	3.8	10	10	8.5	21.2	22	100	180	19	160	90	8.5	10
1256882	4.6	10	10	8.9	22.2	25	115	210	19	160	90	8.5	10
1256892	5.2	10	10	8.9	22.2	25	145	275	19	160	90	8.5	10
1256917	7.1	13	13	14.5	36.2	28	145	275	22	180	100	10.5	13
1256926	9.6	13	16	17.0	42.5	32	145	275	25	210	115	13.5	16
1256929	12.7	16	16	23.6	59.0	36	155	285	28	190	110	13.5	16
1256930	18.4	16	19, 20	28.1	70.2	40	140	270	32	275	145	16.7	-
1256953	26.6	19, 20	22	38.3	95.7	45	180	340	36	285	155	-	-
1256958	35.5	22, 23	26	45.0	112.5	51	215	390	40	270	140	-	-
1256973	61.1	26	32	67.0	167.5	55	203	406	51	390	215	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. 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. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm).

Fatigue Rated Crosby 8/10™ CE QT

APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

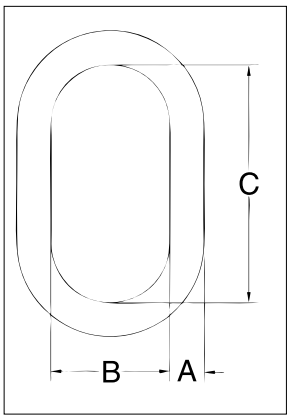
Crosby®

A-342



Ratings below are for use with chain slings fabricated in accordance with ASME B30.9. For other applications, see Applications & Warnings.

- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Proof Tested with special fixtures sized to prevent localized point loading.
- Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby and USA in raised lettering.
- Selected sizes designated with "W" in the size column have enlarged inside dimensions to allow additional room for sling hardware and crane hook.
- Crosby 7/8" to 2" A-342 master links are type approved to DNV-ST-E271-2.7-1 Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted and 3.1 test certification is available upon request. Refer to the Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting appliances - Loose Gear.
- Incorporates patented QUIC-CHECK® deformation indicators.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



A-342 Alloy Master Links

Size							Grade 100 Chain Sling		Grade 80 Chain Sling		Dimensions (mm)			
(in)	(mm)	OC	Stock No.	Weight Each (kg)	Working Load Limit (t	Proof Load (kN)	Single Leg Chain Size (mm)	Double Leg Chain Size (mm)	Single Leg Chain Size (mm)	Double Leg Chain Size (mm)	A	B	C	Deformation Indicator
1/2W	13W	No	1014266	0.59	3.40	77	6, 7, 8	6mm	6mm, 9/32, 5/16, 3/8	6mm, 9/32	13	71.1	127	89
5/8	16	No	1014280	0.69	4.00	80	8, 10	9/32	3/8	5/16	16	76.2	152	89
3/4W	19W	No	1014285	0.91	5.60	126	8, 10	5/16	1/2	3/8	19	81.3	152	102
7/8W	22W	Yes	3522213	1.50	6.90	†169	10, 13	3/8	1/2	3/8	22	95.3	162	114
1W	26W	Yes	3522214	2.77	11.8	†289	13, 16	1/2	5/8	1/2	26	109	191	140
1-1/4W	32W	Yes	3522215	5.44	17.7	†435	16, 20	5/8	3/4, 7/8	5/8	32	140	241	178
1-1/2W	38W	Yes	3522216	8.44	27.7	†680	22, 26	3/4	1	3/4, 7/8	38	150	267	191
1-3/4	44	Yes	3522217	11.4	38.5	†944	26	7/8	1-1/4	1	44	152	305	191
2	51	Yes	3522218	16.8	46.5	†1141	32	7/8	1-1/4	1	51	178	356	229
2-1/4	57	No	1014422	24.5	64.9	1287	32	1	1-1/4	1-1/4	57	203	406	254
2-1/2	63	No	1014468	31.1	72.6	1423	1-1/4	1-1/4	-	-	63	213	406	279
2-3/4	70	No	1014440	42.6	98.4	1930	-	-	-	-	70	251	457	318
3	76	No	1014486	52.0	103	2029	-	-	-	-	76	251	457	330
3-1/4	83	No	1014501	66.0	119	2332	-	-	-	-	83	254	508	343
3-1/2	89	No	1014529	91.0	126	2483	-	-	-	-	89	305	610	394
3-3/4	95	No	1015051	90.0	152	2990	-	-	-	-	95	254	508	343
4	102	No	1015060	120	169	3319	-	-	-	-	102	305	610	406

5:1 Design Factor. 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 require a design factor of 5. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. †Offshore Container Master Links Proof Tested to 2.5 times the Working Load Limit with 70 percent fixtures. Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to applications & warnings to determine products actual Ultimate Load. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs.

Fatigue Rated® Crosby® 8/10™ QUIC-CHECK®

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.



Save time on lifts

Mid-Grab Chain Shortener (MIG)

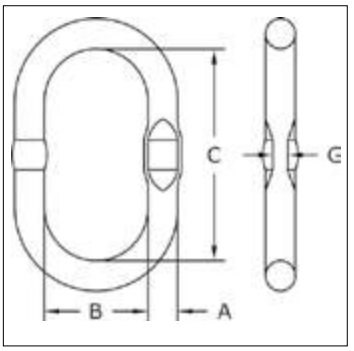
- Instant mounting and positioning on any part of the chain.
- Shortening in either chain direction, up or down.
- Designed to prevent inadvertent chain disengagement.
- Can be set idle on the chain leg when shortening is not required.
- LC version offers secure mounting with locking set on any desired part of the chain with one chain direction open for shortening.
- CC version offers close-open function in both chain directions for safe retention of the chain.

GUNNEBO® Industries

A-344



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN1677.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group).
- A-344 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- 13mm through 32mm have Engineered Flat.



11mm through 31mm have Engineered Flat.

Grade 80 A-344 Welded Master Links available with Engineered Flat

Stock No.	Weight Each (kg)	Grade 100 Chain Sling		Grade 80 Chain Sling		WLL (t)	Proof Load (t)	Dimensions (mm)				Engineered Flat Size for S-1325A (mm)
		Single Leg Chain Size (mm)	Double Leg Chain Size (mm)	Single Leg Chain Size (mm)	Double Leg Chain Size (mm)			A	B	C	G	
1256988	0.36	6, 7	6, 7	6, 7, 8	6, 7, 8	3.2	8.0	13	60	120	6.5	6, 7, 8
1257002	0.84	8, 10	8	8, 10	8	4.1	10.2	17	90	160	8.5	10
1257072	1.06	10, 13	10	10, 13	10	6.7	16.7	19	90	160	8.5	10, 13
1257268	2.34	10, 13	10	10, 13	10	7.0	17.5	22	145	275	10.5	13
1257212	1.63	13	10	13, 16	13	8.8	22.0	22	100	180	10.5	13
1257332	3.04	13		13, 16	13	8.9	22.2	25	145	275	13.5	16
1257282	2.41	13, 16	13	16	16	11.5	28.7	25	115	210	13.5	16
1257382	3.86	13, 16	13	16	16	13.0	32.5	28	145	275	13.5	16
1257422	4.82	16	16	19, 20	19, 20	17.0	42.5	32	145	275	16.7	-
1257492	6.88	20	20	20, 22	20, 22	24.0	60.0	36	155	285	-	-
1257502	7.31	22, 23	22, 23	23, 26	23, 26	31.5	78.7	40	140	270	-	-
1257562	12.89	26	26	26	26	38.3	95.7	45	180	340	-	-
1257632	19.12	26	26	32	32	45.0	112.5	51	215	390	-	-
1257573	25.10	32	32	32	32	67.0	167.5	55	203	406	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. 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. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm). Two largest sizes are available globally.

Fatigue Rated Q&T

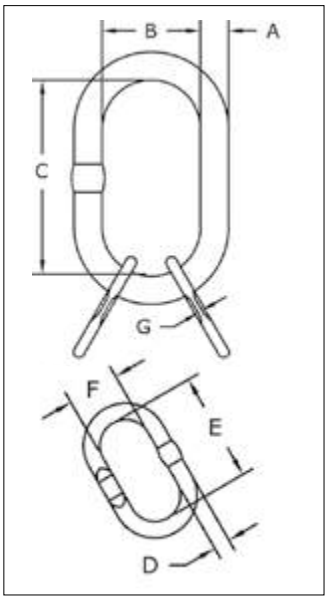
APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

A-347



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN1677.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and "CG." Each sublink is marked with traceability code.
- A-347 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Available only in EMEA (Europe, Middle East, and Africa).



Grade 80 A-347 Welded Master Link Assembly with Engineered Flat

Stock No.	Weight Each (kg)	Grade 100 Chain Sling Three / Four Legs Chain Size (mm)	Grade 80 Chain Sling Three / Four Legs Chain Size (mm)	WLL (t)	Proof Load (t)	Dimensions (mm)							Engineered Flat Size for S1325A Chain Size (mm)
						A	B	C	D	E	F	G	
1257755	1.1	6	6	3.2	8.0	13	60	120	13	120	60	6.5	6
1257762	1.6	6	6, 7	4.1	10.3	17	90	160	13	120	60	6.5	6, 7
1257832	1.8	6, 7	7	4.2	10.6	19	90	160	13	120	60	6.5	7, 8
1258058	3.3	8	10	7.0	17.5	22	100	180	17	160	90	8.5	10
1258067	4.1	8	10	7.0	17.5	22	145	275	17	160	90	8.5	10
1258049	3.8	10	10	8.5	21.2	22	100	180	19	160	90	8.5	10
1258076	4.6	10	10	8.9	22.2	25	115	210	19	160	90	8.5	10
1258102	5.3	10	10	8.9	22.2	25	145	275	19	160	90	8.5	10
1258142	7.2	13	13	14.5	36.2	28	145	275	22	180	100	10.5	13
1258182	9.9	13	16	17.0	42.5	32	145	275	25	210	115	13.5	16
1258185	12.7	16	16	23.6	59.0	36	155	285	28	190	110	13.5	16
1258187	18.4	16	19, 20	28.1	70.2	40	140	270	32	275	145	16.7	-
1258402	26.7	19, 20	22	38.3	95.7	45	180	340	36	285	155	-	-
1258471	35.5	22, 23	26	45.0	112.5	51	215	390	40	270	140	-	-
1258491	61.1	26	32	67.0	167.5	55	203	406	51	390	215	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. 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. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm).

Fatigue Rated Q&T

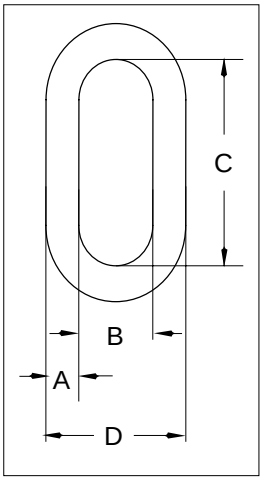
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

G-340 / S-340



- Forged carbon steel - Quenched & Tempered
- Self colored (S) or hot-dip galvanized (G).



G-340/S-340 Weldless End Links

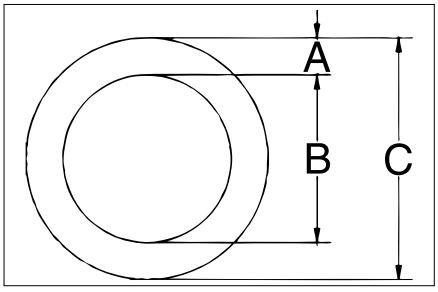
Size (A) (mm)	Stock No.		Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)			
	G-340 Galv.	S-340 S.C.			A	B	C	D
8	1014057	1014066	1.13	.07	8	12.7	44.5	30.0
10	1014075	1014084	1.72	.10	10	14.2	47.8	35.1
13	1014093	1014100	2.95	.22	13	19.1	60.5	46.0
16	1014119	1014128	4.22	.44	16	25.4	82.5	59.0
19	1014137	1014146	6.35	.68	19	28.7	89.0	68.0
22	1014155	1014164	5.44	1.17	22	51.0	130	95.5
25	1014173	1014182	6.89	1.79	25	57.0	146	108
32	1014191	1014208	11.97	3.31	32	63.5	178	127
35	1014217	1014226	13.61	4.71	35	70.0	197	140

5:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°.

S-643



- Forged carbon steel - Quenched & Tempered.



S-643 Weldless Rings

Size (mm)	Stock No	Working Load Limit Single Pull (t)	Weight Each (kg)	Dimensions (mm)		
				A	B	C
22.2 x 102	1013780	3.27	1.23	22.2	102	146
22.2 x 140	1013806	2.54	1.57	22.2	140	184
25.4 x 102	1013824	4.90	1.67	25.4	102	152
28.6 x 152	1013842	4.72	2.99	28.6	152	210
31.8 x 127	1013860	7.71	3.09	31.8	127	191
34.9 x 152	1013888	8.62	4.59	34.9	152	222

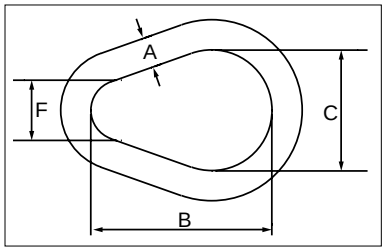
6:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

A-341



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested at 2 times Working Load Limit with certification.



A-341 Alloy Pear Shaped Links

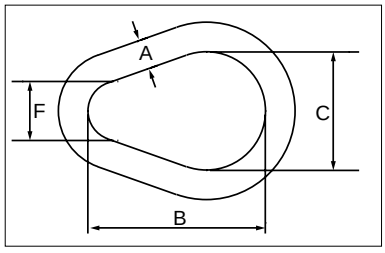
Size (A) (mm)	Stock No	Working Load Limit (t)	Working Load Limit (lb)	Weight Each (kg)	Dimensions (mm) B	C	F
13	1013575	3.15	7,000	.25	76.2	50.8	25.4
16	1013584	4.09	9,000	.50	95.3	63.5	31.8
19	1013595	5.59	12,300	.80	114	76.2	38.1
22	1013604	6.81	15,000	1.28	133	88.9	44.5
25	1013613	11.0	24,360	1.91	152	102	51.0
28	1013622	13.9	30,600	2.83	171	114	57.0
32	1013631	16.4	36,000	3.74	191	127	63.5
35	1013640	19.5	43,000	5.10	210	140	70.0
38	1013654	24.7	54,300	6.46	229	152	76.0
44	1013672	38.6	84,900	10.2	267	178	89.0
51	1013690	46.6	102,600	15.4	305	203	102

5:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°.

G-341 / S-341



- Forged carbon steel - Quenched & Tempered.
- Self colored (S) or hot-dip galvanized (G).



G-341 / S-341 Weldless Sling Links

Size (A) (mm)	Stock No. G-341 Galv.	Stock No. S-341 S.C.	Working Load Limit Single Pull (t)	Weight Each (kg)	Dimensions (mm) B	C	F
10	1013897	1013904	.82	0.10	57.2	38.1	19.1
13	1013913	1013922	1.32	.25	76.2	50.8	25.4
16	1013931	1013940	1.91	.48	95.5	63.5	31.8
19	1013959	1013968	2.72	.85	114	76.2	38.1
22	1013977	1013986	3.76	1.25	133	88.9	44.5
25	1013995	1014002	4.90	1.97	152	102	51.0
32	1014011	1014020	7.60	3.45	197	127	63.5
35	1014039	1014048	9.30	5.13	210	140	70.0

6:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°.

© 2025 Kito Crosby. All Rights Reserved.

Identification of our Master Links

To provide good readability and traceability our master links have the following marking:

Product type

- M - represents single type master link.
- MT - represents master link assembly.
- MF - represents single type master link with engineered flat.
- MFH - represents master link with enginieered flat and DIN style crane hooks.
- MFX - represents enlarged single type master link with engineered flat.

Size designation

- The size is linked to the WLL as well as to compatible products, like attachment couplers and other components.
- Trade size.
- The size expressed in inch.

Approved by BG/DGUV

- H32 – represents Gunnebo Industries' manufacturing ID. The ID also represents a 3rd part audit by BG in Germany.

Traceability code

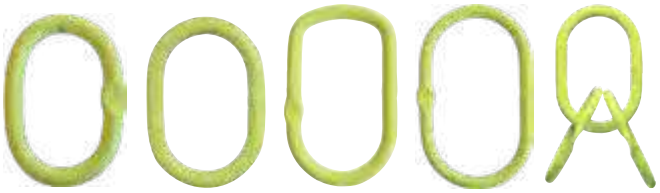
- The traceability code is unique for the production batch and consists of 3 letters representing the year of manufacture, the factory, and the production run, for example BVB. The traceability code makes it possible to trace and track the product through the whole production process back to the raw material used for the actual product.

Gunnebo Sweden

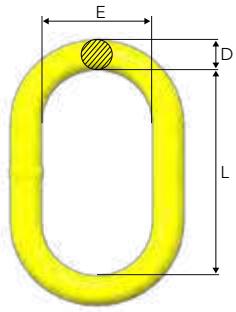
- To clearly highlight the Gunnebo Industries brand, our master links are marked with Gunnebo, Sweden.

Meets the standards

- The markings fulfills the requirements of EN 1677-4, ASTM A952 and AS 3775.2.



MF M MFH MFX MT



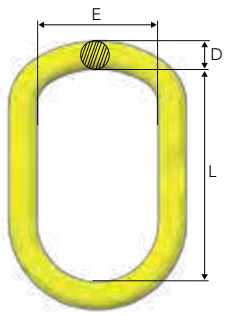
- Made from Quenched & Tempered, Fine Grain Alloy Steel from European Steel Mills.
- Links are individually Proof Tested to values shown, with certification.
- Proof Test with max 60% inside width fixture to prevent localized point loading per ASTM A952.
- Each link is marked with Product Identification Code (PIC) for traceability, Grade, chain size, SWE, GUNNEBO and BG/DGUV manufacturing ID (H32).
- Fatigue rated to at least 20,000 cycles at 1.5 times the Working Load Limit.
- Designed for use with chain, wire or synthetic rope. Applications with wire and synthetic rope generally require a 5:1 Design Factor.
- 3/4-leg requires Gunnebo Industries CG, CGD, CL or CLD components. Engineered Flat compatible with Crosby S-1325 and Gunnebo Industries BL Omega Link.
- Fulfills or exceeds requirements in EN1677:2008, ASTM A952/A952M-02, AS 3775:2014 and AS 3776:2015.

Grade 100 Welded Master Link M and Welded Master Link MF with Engineered Flat

Stock No.	Code	WLL (t)	Proof Load (t)	For Grade 100 Chain Size (mm)			Dimensions (mm)				Weight (kg)
				1-leg	2-leg	3/4-leg	L	E	D	Flat Thickness	
Z200060	MF-6-10	2.0	5.0	6	-	-	100	60	11	6	0.20
Z200086	MF-86-10	3.2	8.0	8	6	-	120	60	13	6	0.36
Z200108	MF-108-10	5.4	13.5	10	8	6	140	80	17	8	0.76
Z2111310	MF-1310-10	8.2	20.5	13	10	8	160	95	22	10	1.5
Z211613	MF-1613-10	13.6	34.0	16	13	10	275	145	28	13	3.9
Z202016	MF-2016-10	20.6	51.5	20	16	13	275	145	32	16	5.1
Z202220	MF-2220-10	32.0	80.0	22	20	16	270	140	40	20	8.1
Z202622	M-2622-10	41.0	102.5	26	22	-	340	180	45	-	12.9
Z203226	M-3226-10	57.0	142.5	32	26	-	350	200	55	-	20.7
Z203632	M-3632-10	72.0	180.0	-	32	-	375	210	60	-	26.3
Z200100	M-100T-10	100.0	250.1	-	-	-	450	250	70	-	42.7
Z200125	M-125T-10*	125.0	312.5	-	-	-	450	260	80	-	57.5

5:1 Design Factor. *Dimension L and E not according to EN 1677-4.

© 2025 Kito Crosby. All Rights Reserved.



- Made from Quenched & Tempered, Fine Grain Alloy Steel from European Steel Mills.
- Links are individually Proof Tested to values shown, with certification.
- Proof Test with max 60% inside width fixture to prevent localized point loading per ASTM A952.
- Each link is marked with Product Identification Code (PIC) for traceability, Grade, chain size, SWE, GUNNEBO and BG/DGUV manufacturing ID (H32).
- Fatigue rated to at least 20,000 cycles at 1.5 times the Working Load Limit.
- Designed for use with chain, wire or synthetic rope. Applications with wire and synthetic rope generally require a 5:1 Design Factor.
- 3/4-leg requires Gunnebo Industries CG, CGD, CL or CLD components. Engineered Flat compatible with Crosby S-1325 Omega Link.
- Fulfills or exceeds requirements in EN1677:2008, ASTM A952/A952M-02, AS 3775:2014 and AS 3776:2015.

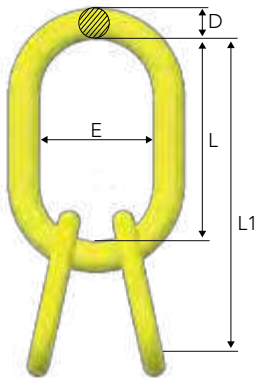
Master Link MFH with engineered flat

Designed for crane hooks, DIN 15401 and 15402. Designed for use with CL, CLD, CG and CGD.
3- and 4-leg chain slings require CLD / CGD.

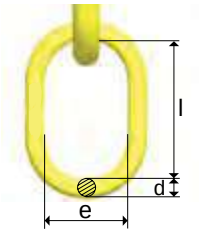
5

Stock No.	Code	WLL (t) 5:1		For chain size (mm)			Dimensions (mm)			DIN15401	DIN15402	Weight (kg)
		EN 1677-4	A-952/A952M AS 3775.2-2014	1-leg	2-leg	3-4 leg	L	E	D			
Z101262	MFH-1310-10	7.5	8.0	13	10	8	230	125	22	≤ 12	≤ 16	2.1
Z101263	MFH-1613-10	10.0	13.6	16	13	10	250	135	28	≤ 12	≤ 16	3.7
Z101264	MFH-2016-10	17.0	20.6	20	16	13	280	135	32	≤ 16	≤ 20	5.3
Z101265	MFH-2220-10	28.0	30.9	26	20	16	320	175	40	≤ 25	≤ 32	9.7
Z101266	MFHW-2220-10	28.0	28.0	26	20	16	355	225	40	≤ 50	≤ 63	11.1

Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M, AS 3775:2014.
5:1 Design Factor



- Made from Quenched & Tempered, Fine Grain Alloy Steel from European Steel Mills.
- Links are individually Proof Tested to values shown, with certification.
- Proof Test with max 60% inside width fixture to prevent localized point loading per ASTM A952.
- Each link is marked with Product Identification Code (PIC) for traceability, Grade, chain size, SWE, GUNNEBO and BG/DGUV manufacturing ID (H32).
- Fatigue rated to at least 20,000 cycles at 1.5 times the Working Load Limit.
- Designed for use with chain, wire or synthetic rope. Applications with wire and synthetic rope generally require a 5:1 Design Factor.
- Engineered Flat on sub links up to MT-16-10.
- Fulfills or exceeds requirements in EN1677:2008, ASTM A952/A952M-02, AS 3775:2014 and AS 3776:2015.



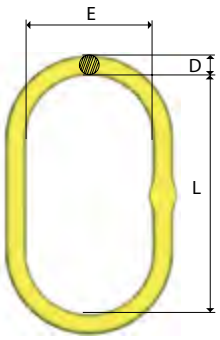
Grade 100 Welded Master Link Assembly MT

Designed for use with chain or wire rope. For 3 and 4-leg slings

Stock No.	Code	WLL (t)	Proof Load (t)	Grade 100 Chain Size 3/4-leg (mm)	Grade 80 Chain Size 3/4-leg (mm)	Dimensions (mm)								Weight (kg)
						L1	L	E	D	l	e	d	G*	
Z200600	MT-6-10	4.3	10.7	6, 7	6, 7	260	140	80	17	120	60	13	6	1.5
Z200800	MT-8-10	7.8	19.5	8	8, 10	300	160	95	22	140	80	17	8	3.0
Z201000	MT-10-10	12	30.0	10	13	435	275	145	28	160	95	22	10	6.8
Z201300	MT-13-10	21	52.5	13	16	465	275	145	32	190	110	28	13	10.9
Z201600	MT-16-10	31	77.5	16	19, 20	545	270	140	40	275	145	32	16	18.4
Z202000	MT-20-10	48	120.0	20	22	610	340	180	45	270	140	40	20	29.1
Z202200	MT-22-10	60	150.1	22	26	690	350	200	55	340	180	45	-	46.4
Z202600	MT-26-10	85	212.5	26	32	725	375	210	60	350	200	55	-	67.6
Z203200	MT-32-10	125	312.5	32	-	825	450	260	80	375	210	60	-	110.1

5:1 Design Factor. *Thickness of flat on sub link

© 2025 Kito Crosby. All Rights Reserved.



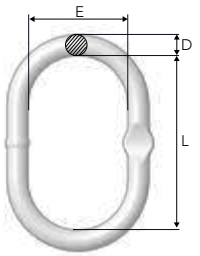
- Engineered flat is an oversized master link designed for use in 1- and 2-leg sling configurations.
- Compatible with CL, CLD, CG, and CGD components for flexible application in lifting assemblies.
- Clearly marked with the product type (M for single-type master link), size designation, and H32 (Gunnebo Industries manufacturing ID) verified by third-party audit from BG in Germany.
- Additional markings include a traceability code and the country of origin to ensure full traceability and identification.
- Meets EN 1677:2008 (WLL +25%), ASTM A952/A952M-02, AS 3775:2014, and AS 3776:2015 standards.
- 5:1 Design Factor

Grade 100 Welded Oversized Master Link MFX

Oversized, for 1- and 2-leg slings. Designed for use with CL, CLD, CG and CGD.

Stock No.	Code	WLL (t)	Proof Load (t)	For Grade 100 Chain Size (mm)		Dimensions (mm)				Weight (kg)
				For chain 1-leg	For chain 2-leg	L	E	D	Flat Thickness	
Z100923	MFX-108-10	5.4	5.4	10	8	340	180	22	8	3.7
Z100921	MFX-1310-10	8.2	8.2	13	10	340	180	28	10	4.6
Z100924	MFX-1613-10	13.6	13.6	16	13	340	180	32	13	7.0
Z100922	MFX-2016-10	20.6	20.6	20	16	340	180	40	16	9.7

5:1 Design Factor.



Master Link MF HDG with Engineered Flat

Stock No.	Code	WLL (t)		Dimensions (mm)				Weight (kg)
		EN1677-4	A-952/A952M	L	E	D	Flat Thickness	
BG14489	MF-86-8 HDG	2.0	2.5	120	60	13	6	0.36
BG14482	MF-108-8 HDG	3.2	4.0	140	80	17	8	0.76
BG14483	MF-1310-8 HDG	5.4	6.8	160	95	22	10	1.5
BG14484	MF-1613-8 HDG	8.2	10.3	275	145	28	13	3.9

5:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.



CHAIN & ACCESSORIES

Innovative solutions for quicker, safer, and easier lifting operations

kitocrosby.com

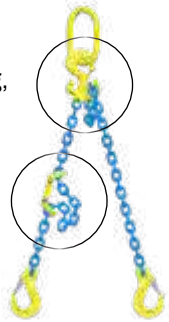
GrabiQ: Components with multiple functions

Innovative designs that combine several clever functions in one component



Midgrab, MIG

Instant mounting, positioning, shortening on any part of the chain.



C-grab Duo, CGD

Built in shortening function.



Master Grab, MG

- All-in-one compact top link.
- Every chain leg can instantly be altered.
- Using the built in shortening function, you can alter between a straight lift to a looped sling in a matter of seconds.

Fewer components & lighter assembly

GrabiQ™ 4-leg sling with shortening function



(1) Master link
(2) C-grab Duos

Total: 3 components
with GrabiQ system



(1) Master link
(2) Sub links
(8) Berglok chain couplers
(4) Grab hooks

Total: 15 components
with traditional system

GrabiQ™ 2-leg sling with shortening function



(1) Master Grab Duo

Total: 1 component
with GrabiQ



(1) Master link
(4) Berglok chain couplers
(2) Grab hooks

Total: 7 components
with traditional system

© 2025 Kito Crosby. All Rights Reserved.

Less is more with FlexiLeg

Thanks to the unique features of the Gunnebo Industries GrabiQ product range, we offer advanced solutions that increase the flexibility in lifting operations. The FlexiLeg solution allows you to quickly change a chain sling leg on site.

With one single master link in combination with five FlexiLegs, we offer a solution that replaces four complete traditional slings, a total of ten legs. In addition, FlexiLeg also gives you the opportunity to modify the chain sling to different lifting operations, whenever and wherever it is needed.

The benefits of instant leg-change

- Enables the user to change slings, leg by leg.
- Makes the sling lighter and easier to work with.
- Sling legs that are not being used can easily be removed, thereby increasing safety at the work site.
- The quantity of sling material is greatly reduced, providing cost savings.
- The chain sling can be reconfigured on site, thus increasing efficiency.



GrabiQ FlexiLeg – a total of 5 legs replaces the total of 10 legs with the old traditional system.

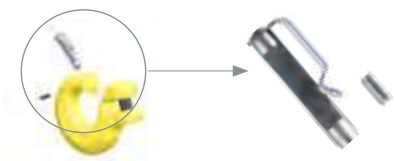




Related Products

QuickPin – For safe exchange of sling legs

- Fits all C-components (CL, CLD, CG, CGD)
- Instant close/open function, no tools needed
- Easy to retrofit
- Made of stainless steel for long product life span



FlexiTag – For every GrabiQ sling

- Specially designed for FlexiLeg
- Fits all other GrabiQ slings
- WLL and chain size pre-stamped for 1 – 4 legs
- Leg angle 30/45 degree shown in contour
- Made of stainless steel for use in all weather conditions



© 2025 Kito Crosby. All Rights Reserved.

GrabiQ – solutions for every need

1-leg chain slings



MG1-GBK
Consist of: Master Link MG,
Chain KLA, Safety Hook GBK

Chain Size		WLL (t)	Total Components Length (mm)
(mm)	(in)		
6	-	1.5	171
8	5/16”	2.6	296
10	3/8”	4.0	361
13	1/2”	6.8	453
16	5/8”	10.3	527

4:1 Design Factor



MG1-EGKN
Type: Master Link MG, Chain KLA,
Hook with Latch EGKN

Chain Size		WLL (t)	Total Components Length (mm)
(mm)	(in)		
6	-	1.5	231
8	5/16”	2.6	261
10	3/8”	4.0	331
13	1/2”	6.8	408
16	5/8”	10.3	481

4:1 Design Factor



TG1-GBK
Master Link MF, C-grab CG,
Chain KLA, Safety Hook GBK

Chain Size		WLL (t)	Total Components Length (mm)
(mm)	(in)		
6	-	1.5	200
8	5/16”	2.6	346
10	3/8”	4.0	424
13	1/2”	6.8	504
16	5/8”	10.3	621

4:1 Design Factor

2-leg chain slings



TG1-EGKN
Consists of: Master Link MF, C-grab CG,
Chain KLA, Hook with Latch EGKN

Chain Size		WLL (t)	Total Components Length (mm)
(mm)	(in)		
6	-	1.5	286
8	5/16”	2.6	342
10	3/8”	4.0	415
13	1/2”	6.8	507
16	5/8”	10.3	624

4:1 Design Factor



MGD2-EGKN
Consists of: Master Link MGD,
Chain KLA, Latch Hook EGKN

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	2.1	1.5	230
8	5/16”	3.5	2.6	261
10	3/8”	5.6	4.0	331
13	1/2”	9.5	6.8	408
16	5/8”	14.0	10.3	481

4:1 Design Factor



MGD2-GBK
Consists of: Master Link MGD,
Chain KLA, Safety Hook GBK

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	2.1	1.5	235
8	5/16”	3.5	2.6	296
10	3/8”	5.6	4.0	361
13	1/2”	9.5	6.8	453
16	5/8”	14.0	10.3	527

4:1 Design Factor



TG2-GBK
Consists of: Master Link MF, C-grab Duo CGD,
Chain KLA, Safety Hook GBK

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	2.1	1.5	291
8	5/16”	3.5	2.6	366
10	3/8”	5.6	4.0	444
13	1/2”	9.5	6.8	534
16	5/8”	14.0	10.3	671

4:1 Design Factor



TG2-EGKN
Consists of: Master Link MF, C-grab Duo CGD,
Chain KLA, Latch Hook EGKN

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	2.1	1.5	286
8	5/16”	3.5	2.6	342
10	3/8”	5.6	4.0	415
13	1/2”	9.5	6.8	507
16	5/8”	14.0	10.3	625

4:1 Design Factor



MGD2-CL
Consists of: Master Link MGD,
Chain KLA, C-lok CL

Chain Size		WLL (t)		WLL choked (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	2.1	1.5	1.6	1.2	187
8	5/16”	3.5	2.6	2.7	2.0	230
10	3/8”	5.6	4.0	4.4	3.2	285
13	1/2”	9.5	6.8	7.4	5.4	359
16	5/8”	14.0	10.3	11.0	8.0	429

4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.

3-leg chain sling



TG3-GBK
Consists of: Master Link MF, C-grab CG, C-grab Duo CGD, Chain KLA, Safety Hook GBK

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° a 0-90°	β 45°-60° a 90°-120°	
6	-	3.1	2.2	311
8	5/16”	5.2	3.7	392
10	3/8”	8.4	6.0	474
13	1/2”	14.0	10.0	604
16	5/8”	21.0	15.0	680

4:1 Design Factor



TG3-EGKN
Consists of: Master link MF, C-grab CG, C-grab Duo CGD, Chain KLA, Latch Hook EGKN

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° a 90°-120°	
6	-	3.1	2.2	306
8	5/16”	5.2	3.7	357
10	3/8”	8.4	6.0	444
13	1/2”	14.0	10.0	559
16	5/8”	21.0	15.0	634

4:1 Design Factor

4-leg chain sling



TG4-GBK
Consists of: Master Link MF, C-grab Duo CGD, Chain KLA, Safety Hook GBK

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	3.1	2.2	311
8	5/16”	5.2	3.7	392
10	3/8”	8.4	6.0	474
13	1/2”	14.0	10.0	604
16	5/8”	21.0	15.0	680

4:1 Design Factor



TG4-EGKN
Consists of: Master link MF, C-grab Duo CGD, Chain KLA, Latch Hook EGKN

Chain Size		WLL (t)		Total Components Length (mm)
(mm)	(in)	β 0-45° α 0-90°	β 45°-60° α 90°-120°	
6	-	3.1	2.2	306
8	5/16”	5.2	3.7	357
10	3/8”	8.4	6.0	444
13	1/2”	14.0	10.0	559
16	5/8”	21.0	15.0	634

4:1 Design Factor

Grade 10 chain slings

Working Load Limits in tonnes for chain slings grade 10

Based on EN 818-4:2008 WLL +25%



Sling type	1-leg	2-leg		3- and 4-leg		Choke Hitch	
Condition of use	**Straight**	**ß 0-45° α 0-90°**	**ß 45-60° α 90-120°**	**ß 0-45° α 0-90°**	**ß 45-60° α 90-120°**	**Choke ß 0-45° α 0-90°**	**Choke ß 45-60° α 90-120°**
Load factor	1	1.4	1	2.1	1.5	1.1	0.8
Chain size							
6	1.50	2.10	1.50	3.10	2.20	1.60	1.20
7	1.95	2.70	1.95	4.00	2.90	2.10	1.50
8	2.60	3.70	2.60	5.50	3.90	2.80	2.10
10	4.00	5.60	4.00	8.40	6.00	4.40	3.20
13	6.80	9.60	6.80	14.40	10.20	7.40	5.40
16	10.00	14.10	10.00	21.00	15.00	11.00	8.00
20	16.00	22.50	16.00	33.60	24.00	17.60	12.80
22	20.00	28.20	20.00	42.00	30.00	22.00	16.00
26	27.00	38.20	27.00	57.20	40.90	29.70	21.60
32	40.00	56.40	40.00	84.00	60.00	44.00	32.00

4:1 Design Factor. Working Load Limits are based on equally loaded and disposed sling legs.

APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

Chain Tensioner GT – for lifting

One of the main advantages of using chain slings instead of other types of slings is the ability to shorten the chain to balance the load in asymmetrical lifts.

Kito Crosby offers a wide range of fittings for shortening, but most of these options only shorten in increments of one chain link. Certain applications require more precise shortening, and for those the Gunnebo Industries Chain Tensioner GT, which has been approved for lifting, is an excellent choice.

The Chain Tensioner GT is integral in one set. It is made of high-strength Grade 10 material, and the ratchet handle contributes to fast and ergonomic shortening. It is designed to be compatible with the GrabiQ product range, enabling a wide range of fittings to be used for any type of application.



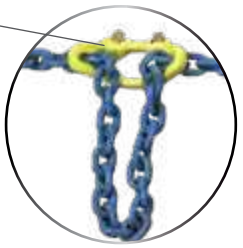


Precise positioning

The GT tensioner offers stepless adjustment, allowing for precise positioning of the load.



Midgrab Shorterner MIG



Precision shortening

The GT tensioner offers 7.8 in of precision shortening. For shortening of longer increments, our unique Midgrab Shortener MIG is the ideal choice.

Full capacity

As with all Gunnebo Industries' shorteners, there is no reduction in the capacity of the system when shortening.

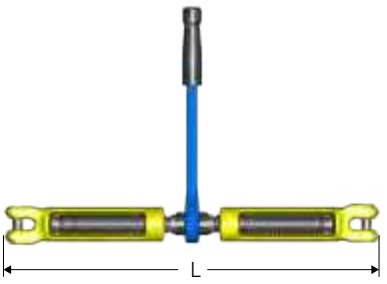
100% proof loaded

Every unit is individually proof loaded to 2.5 x WLL.

Chain Tensioner GT

Stock No.	Model	WLL (t)*	L = Min. Length (mm)	L = Max. Length (mm)	Weight (kg)
Z101367	GT-8-10	2.6	400	600	3.3
Z101368	GT-10-10	4.0	400	600	3.3

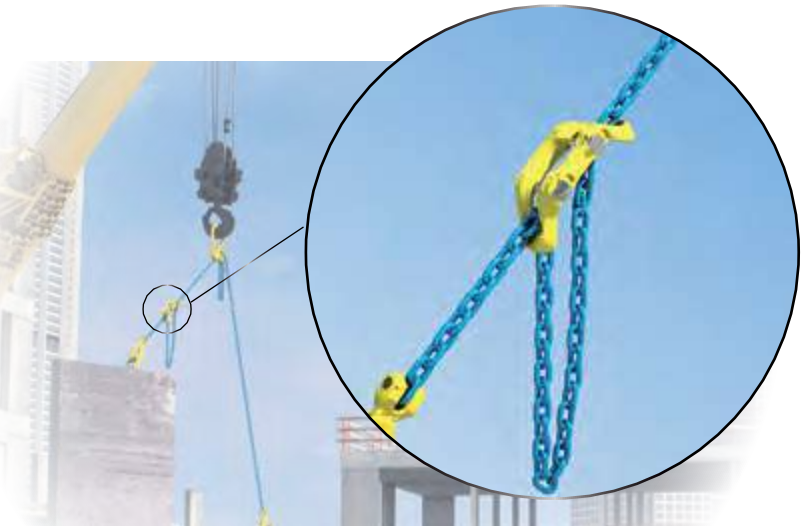
4:1 Design Factor



© 2025 Kito Crosby. All Rights Reserved.

Midgrab Chain Shortener, MIG

- Instant mounting and positioning on any part of the chain.
- Shortening in either chain direction; up-down.
- Designed to prevent inadvertent chain disengagement.
- Can be set idle on the chain leg when shortening is not required.
- LC version offers secure mounting with locking set on any desired part of the chain with one chain direction open for shortening.
- CC version offers close-open function in both chain directions for safe retention of the chain.



Locking devices for Midgrab MIG

Note: The MIG should be used with at least one locking devices.

L - fixed locking set

For fixed mounting

Code:
L-8: B14905
L-10: B14915
L-13: B14917

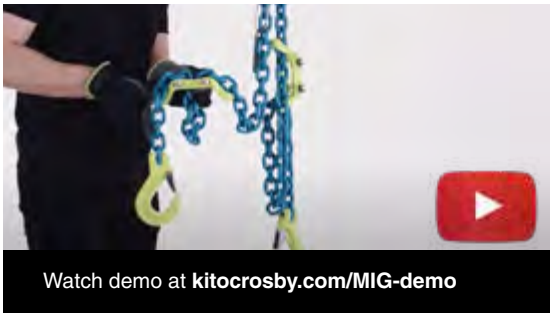


C - close/open locking set

Spring operated locking device. Can be placed either in open or closed position.

Code:
C-8: B14904
C-10: B14914
C-13: B14916





Product code guide – locking options



MIG with C pins

For use with Grade 100 or Grade 80 chain.

Stock No.	Code	WLL (t)	Dimensions (mm)			Weight (kg)
			L	X	Y	
B14303	MIG CC-8-10	2.6	95	50	60	0.7
B14313	MIG CC-10-10	4.0	125	70	77	1.1
B14323	MIG CC-13-10	6.8	150	90	80	2.6

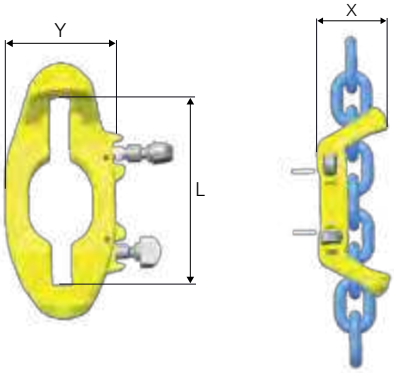
4:1 Design Factor

MIG without pins

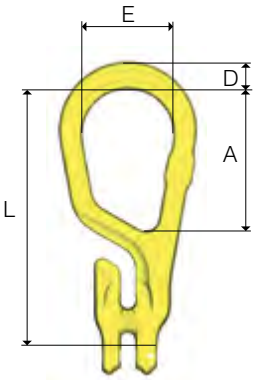
For use with Grade 100 or Grade 80 chain.

Stock No.	Code	WLL (t)	Dimensions (mm)			Weight (kg)
			L	X	Y	
B14300	MIG-8-10	2.6	95	50	60	0.6
B14310	MIG-10-10	4.0	125	70	77	1.0
B14320	MIG-13-10	6.8	150	90	80	2.5

4:1 Design Factor



© 2025 Kito Crosby. All Rights Reserved.

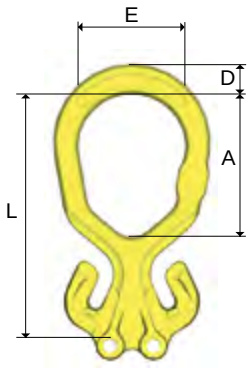


Master Grab MG

For use with Grade 100 or Grade 80 chain. ”All-in-one” compact top link.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	A	E	D	
B14710	MG-6-10	1.5	145	88	60	15	0.5
B14711	MG-8-10	2.6	171	92	60	18	0.9
B14712	MG-10-10	4.0	211	113	75	22	1.8
B14713	MG-13-10	6.8	261	138	90	26	3.5
B14714	MG-16-10	10.3	311	157	105	31	6.1

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

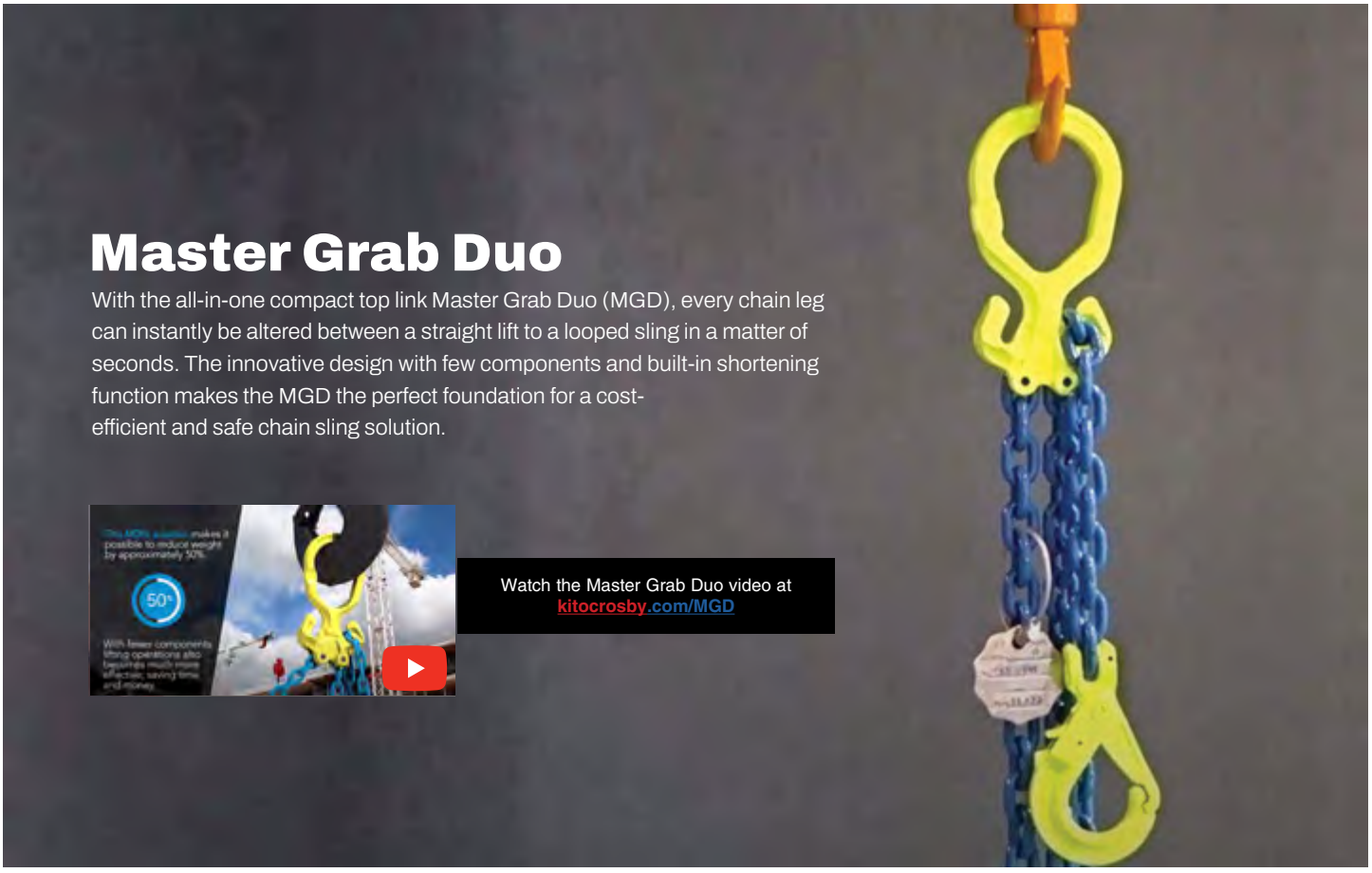


Master Grab Duo MGD

For use with Grade 100 or Grade 80 chain. ”All-in-one” compact top link for 2-leg slings.

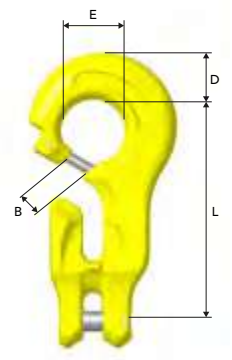
Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	A	E	D	
B14700	MGD-6-10	2.1	144	90	60	17	0.7
B14701	MGD-8-10	3.5	171	100	75	21	1.3
B14702	MGD-10-10	5.6	211	124	90	24	2.3
B14703	MGD-13-10	9.5	262	149	105	31	5.2
B14704	MGD-16-10	14.0	310	175	120	35	7.9

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



© 2025 Kito Crosby. All Rights Reserved.

C-Grab CG

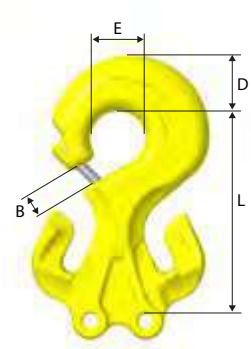


For use with Grade 100 or Grade 80 chain. For use with MF master and BK type hooks.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	D	
B14730	CG-6-10	1.5	80	11	24	19	0.3
B14731	CG-8-10	2.6	107	12	32	24	0.7
B14732	CG-10-10	4.0	134	15	40	29	1.5
B14733	CG-13-10	6.8	172	18	52	38	3.2
B14734	CG-16-10	10.3	215	22	64	47	6.1

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

C-Grab Duo CGD

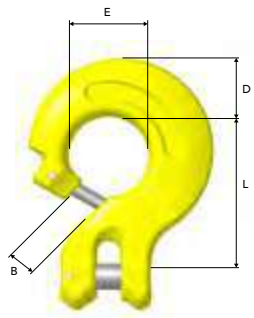


For use with Grade 100 or Grade 80 chain. For use with master links.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	D	
B14720	CGD-6-10	2.1	79	11	24	20	0.6
B14721	CGD-8-10	3.5	107	12	32	29	1.1
B14722	CGD-10-10	5.6	134	15	40	37	2.2
B14723	CGD-13-10	9.5	173	19	48	48	5.4
B14724	CGD-16-10	14.0	215	22	64	57	9.1

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

C-Lok CL

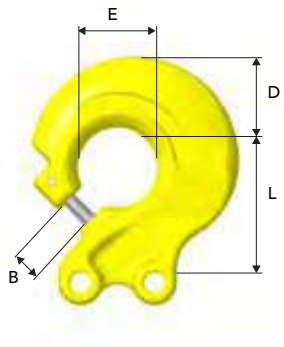


For use with Grade 100 or Grade 80 chain. For use with master links, eye hooks and choke.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	D	
B14750	CL-6-10	1.5	43	11	24	18	0.2
B14751	CL-8-10	2.6	58	12	32	24	0.5
B14752	CL-10-10	4.0	74	15	40	29	1.0
B14753	CL-13-10	6.8	94	18	52	38	2.0
B14754	CL-16-10	10.3	119	22	64	48	3.8

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

C-Lok Duo CLD



For use with Grade 100 or Grade 80 chain. For use with master links.

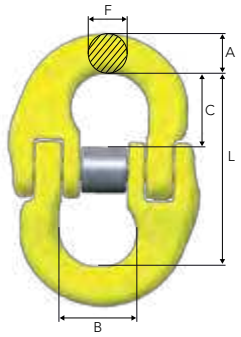
Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	D	
B14740	CLD-6-10	2.1	43	11	24	22	0.4
B14741	CLD-8-10	3.5	58	12	32	29	0.6
B14742	CLD-10-10	5.6	74	15	40	37	1.2
B14743	CLD-13-10	9.5	94	18	52	46	3.1
B14744	CLD-16-10	14.0	119	25	64	57	5.5

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

© 2025 Kito Crosby. All Rights Reserved.

Coupling Link G

For use with Grade 100 or Grade 80 chain. For use with master link and eye hook.

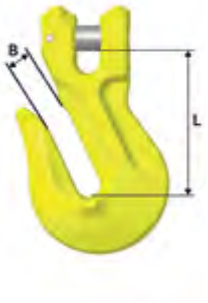


Stock No.	Code	WLL (t)	Dimensions (mm)					Weight (kg)
			L	B	F	A	C	
Z100821	G-6-10	1.5	45	15	7	8	16	0.1
Z101358	G-7-10	2.0	56	18	9	11	22	0.2
Z100822	G-8-10	2.6	56	18	9	11	22	0.2
Z100823	G-10-10	4.0	68	25	12	13	26	0.3
Z100824	G-13-10	6.8	89	29	15	17	33	0.7
Z100825	G-16-10	10.3	106	36	19	20	40	1.4
Z101119	G-20-10	16.0	125	43	23	26	44	2.2
Z101339	G-22-10	20.0	152	50	26	28	59	3.6
Z101365	G-26-10	27.3	161	58	32	34	61	5.7
Z101666	G-32-10	40.0	200	70	38	40	77	9.5

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02 and AS 3776:2015.

Grab Hook GG

Clevis shortening hook. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting cradle lugs on either side of hook to prevent chain link deformation.

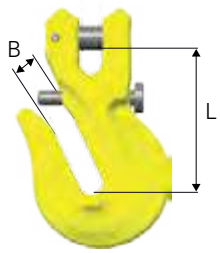


Stock No.	Code	WLL (t)	Dimensions (mm)		Weight (kg)
			L	B	
Z101844	GG-6-10	1.5	54	8	0.2
Z100845	GG-7-10	2.0	57	10	0.3
B14771	GG-8-10	2.6	57	10	0.4
B14772	GG-10-10	4.0	76	12	0.9
B14773	GG-13-10	6.8	97	16	1.8
B14774	GG-16-10	10.3	114	20	3.1
Z101152	GG-20-10	16.0	147	26	7.0

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Grab Hook GG with Locking Pin

Clevis shortening hook with locking pin for extra safety. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting cradle lugs on either side of hook to prevent chain link deformation.

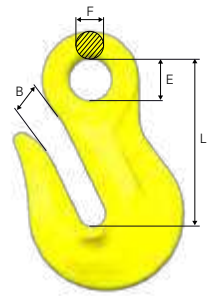


Stock No.	Code	WLL (t)	Dimensions (mm)		Weight (kg)
			L	B	
B14970	GG-6-10 LP	1.5	54	8	0.25
B14971	GG-8-10 LP	2.6	57	10	0.40
B14972	GG-10-10 LP	4.0	77	12	0.84
B14973	GG-13-10 LP	6.8	97	16	1.81
B14974	GG-16-10 LP	10.3	114	20	3.14
B14975	GG-20-10 LP	16.0	147	26	7.30

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Grab Hook OG

Eye shortening hook. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation.

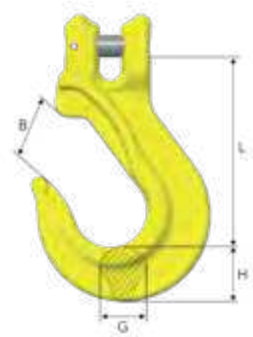


Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	F	
Z101296	OG-7/8-10	2.6	65	10	17	10	0.3
Z101297	OG-10-10	4.0	85	12	20	12	0.7
Z101298	OG-13-10	6.8	104	16	26	16	1.6
Z101299	OG-16-10	10.3	131	20	32	19	2.8
Z101300	OG-20-10	16.0	167	26	41	23	6.1
Z101301	OG-22-10	20.0	187	26	46	26	7.75
Z101302	OG-26-10	27.3	228	32	55	38	14
Z101303	OG-32-10	40.0	229	40	50	27	20.7

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

© 2025 Kito Crosby. All Rights Reserved.

Sling Hook EGK



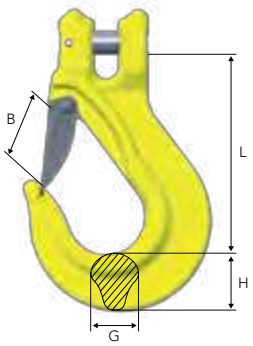
For use with Grade 100 or Grade 80 chain. Sling hook with clevis connector.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z100915	EGK-6-10	1.5	86	29	17	20	0.4
Z100918	EGK-7-10	2.0	95	32	17	22	0.5
Z100938	EGK-8-10	2.6	95	32	17	23	0.5
Z100942	EGK-10-10	4.0	121	41	23	31	1.0
Z100946	EGK-13-10	6.8	145	49	28	38	2.0
Z100950	EGK-16-10	10.3	170	61	36	46	3.8
Z101138	EGK-20-10	16.0	209	71	42	60	7.3

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

6

Sling Hook EGKN

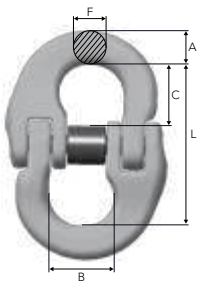


For use with Grade 100 or Grade 80 chain. Sling hook with latch.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
B14460	EGKN-6-10	1.5	86	25	17	20	0.4
Z100843	EGKN-7-10	2.0	95	27	17	23	0.5
B14461	EGKN-8-10	2.6	95	28	17	23	0.5
B14462	EGKN-10-10	4.0	121	35	23	31	1.1
B14463	EGKN-13-10	6.8	145	42	28	38	2.2
B14464	EGKN-16-10	10.3	170	53	36	46	4.0
Z101127	EGKN-20-10	16.0	209	65	42	60	7.6

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Coupling Link GF – stain proof

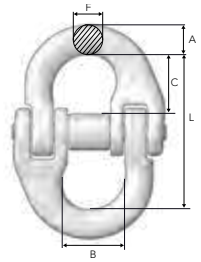


High strength stainless steel.

Stock No.	Code	WLL (t)	For chain dim. (mm)	Dimensions (mm)					Weight (kg)
				L	B	F	A	C	
B80202	GF-10-8 SP	3.2	10	68	25	11	13	26	0.3
B80203	GF-13-8 SP	5.4	13	89	30	15	16	33	0.7
B80204	GF-16-8 SP	8.2	16	105	36	19	20	40	1.2

4:1 Design Factor

Coupling Link G HDG

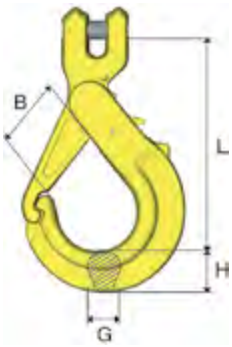


Hot-dip galvanized for marine environments.

Stock No.	Code	WLL (t)	Dimensions (mm)					Weight (kg)
			L	B	F	A	C	
ZG100821	G-6-8 HDG	1.12	45	15	7	8	17	0.1
ZG100822	G-8-8 HDG	2.0	56	18	9	11	22	0.2
ZG100823	G-10-8 HDG	3.2	68	25	11	13	26	0.3
ZG100824	G-13-8 HDG	5.4	89	30	15	16	33	0.7
ZG100825	G-16-8 HDG	8.2	102	36	19	20	40	1.2

4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.

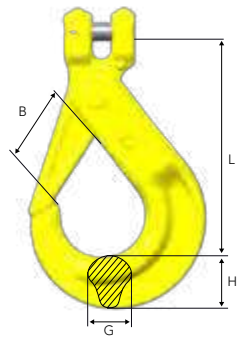


Safety Hook GBK

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector and grab latch.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z100758	GBK-6-10	1.5	87	26	15	17	0.4
Z100849	GBK-7-10	2.0	114	36	20	22	0.5
Z100759	GBK-8-10	2.6	119	36	20	22	0.8
Z100760	GBK-10-10	4.0	150	47	22	29	1.4
Z100761	GBK-13-10	6.8	172	53	29	38	2.7
Z100762	GBK-16-10	10.3	208	68	30	45	4.4

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

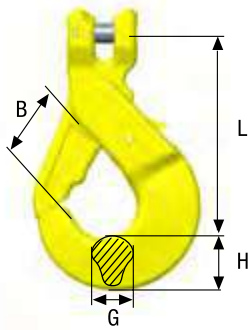


Safety Hook BKG

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector and standard latch.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z101110	BKG-6-10	1.5	91	29	15	21	0.5
Z101098	BKG-7-10	2.0	120	37	17	22	0.5
Z101100	BKG-8-10	2.6	121	37	17	26	0.9
Z101026	BKG-10-10	4.0	144	45	21	31	1.5
Z101034	BKG-13-10	6.8	180	55	30	40	3.0
Z101042	BKG-16-10	10.3	219	62	37	50	5.5
Z101091	BKG-20-10	16.0	240	68	44	62	9.6
Z101338	BKG-22-10	20.0	276	80	58	62	11.6
Z101343	BKG-26-10	27.3	290	100	67	68	17.8

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

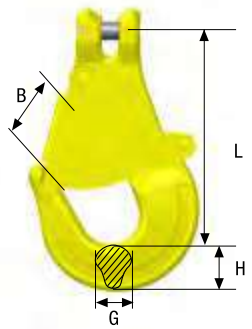


Safety Hook BKG

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector and standard latch.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z1002401	BKGC-13-10	6.8	164	55	27	43	3.2

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Sling Hook GKC

For use with Grade 100 or Grade 80 chain. Sling hook with clevis connector for skip loaders.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z7006461	GKC-13-10	6.8	188	60	27	43	2.5

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



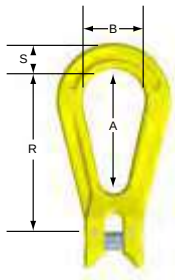
Clevis Egglink CEL

Stock No.	Code	WLL (t)	C	E	G	H	L	Weight (kg)
Z701968	CEL-8-10	2.6	80	40	14	15	100	0.4
Z701969	CEL-10-10	4	100	50	18	19	126	0.7
Z701970	CEL-13-10	6.8	130	65	23	25	162	1.5

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

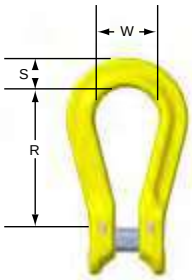
© 2025 Kito Crosby. All Rights Reserved.

Egg Link KSS



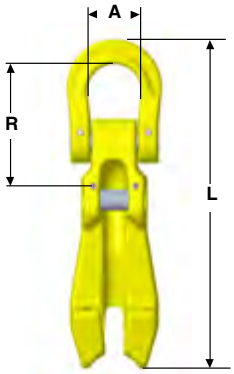
Stock No.	Model	Chain Diameter (mm)	WLL 8+10	Dimensions (mm)				Weight (kg)
				A	B	R	S	
Z2780422	KSS7N	7	2.0	70	35	92	13	.27
Z2780431	KSS10N	10	4.0	102	51	132	18.5	.74
Z2780440	KSS13N	13	6.7	137	67	177	26	1.92
Z2780459	KSS16N	16	10.0	172	83	220	31	3.17
Z2780468	KSS19N	19	14.0	203	98	261	37	5.58
Z2780477	KSS23N	23	21.0	238	114	305	40	8.42
Z2780486	KSS26N	26	27.0	273	133	351	46	14.51

Kupler K



Stock No.	Model	Chain Diameter (mm)	WLL 8+10	Dimensions (mm)			Weight (kg)
				R	W	S	
Z2780495	K7N	7	2.0	60	26	12.5	.15
Z2780501	K10N	10	4.0	73	35	19	.47
Z2780510	K13N	13	6.7	95	45	25	1.01
Z2780529	K16N	16	10.0	118	54	29	1.66
Z2780538	K19N	19	14.0	134	64	34	2.78
Z2780547	K23N	23	21.0	121	64	45	4.26
Z2780556	K26N	26	27.0	140	82	48	6.30
Z2780574	K32N	32	40.0	178	96	64	11.48

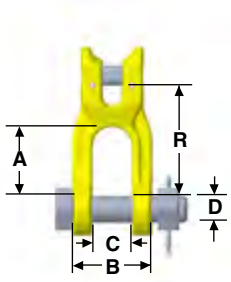
Shortening Clutch KSC N



Unique component for leg length adjustment. It accommodates loads of irregular shape or with a general lack of headroom and allows safe leg length adjustment of any number of legs with the load remaining fully in line.

Stock No.	Model	WLL 8+10	Dimensions (mm)			Weight (kg)
			L	R	A	
Z2780716	KSC7N	2.0	161	60	26	.53
Z2780725	KSC10N	4.0	211	73	36	1.28
Z2780734	KSC13N	6.7	272	95	46	2.7
Z2780743	KSC16N	10.0	360	118	56	5.26
Z2780752	KSC19N	14.0	427	134	68	9.87

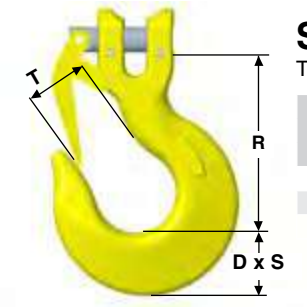
Narrow Jaw Shackle KDN



Narrow jaw shackle for connection from pad eye or similar directly to chain.

Stock No.	Model	WLL 8+10	Dimensions (mm)					Weight (kg)
			A	B	C	R	D	
Z2781369	KDN7N	2.0	36	42	20	57	14	.26
Z2781378	KDN10N	4.0	53	58	28	83	20	.85
Z2781387	KDN13N	6.7	72	74	35	106	24	1.68
Z2781396	KDN16N	10.0	83	90	44	127	30	3.14

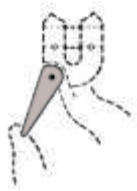
© 2025 Kito Crosby. All Rights Reserved.



Sling Hook KHN L

This hook is most widely used in general purpose slinging.

Stock No.	Reference	WLL (t) 8	WLL (t) 8+10	Dimensions (mm) R	D	S	T No Latch	T With Latch	Weight (kg) No Latch	Weight (kg) With Latch
Z2780887	*KH23	16	21	222	79	51	76	60	11.39	13.14
Z2780896	*KH26	21.2	27	251	89	60	85	72	16.06	18.94
Z2780903	KHN32L	31.5	40	334	118	85	113	106	32.66	34.61



Safety Latch KHL N

A robust latch to prevent accidental detachment of the load.

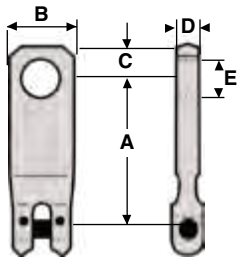
Stock No.	Reference	Part Number	Hook Reference
2780967	KHL32N	2781939	KHN32



Hook Latch Assembly KHL

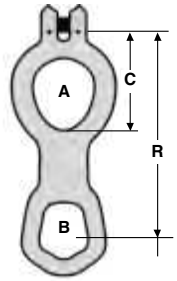
This assembly is for use with KH23 and KH26 and comprises a load pin to which the latch is attached.

Stock No.	Reference	Part Number	Hook Reference
2780976	KHL23	2780887	KH23
2780985	KHL26	2780896	KH26



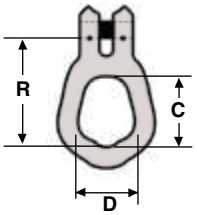
Top Suspension Plates

Stock No.	Type Size/ Reference	WLL (t) 8	WLL (t) 8+10	A	Dimensions (mm) B	C	D	E	Weight (kg)
Z2781555	C151401	5.3	6.7	153	62	32	20	36	1.59
Z2781564	C151402	5.3	6.7	140	62	32	20	36	1.52



Keep Plate C2247

Stock No.	Type Size/ Reference	WLL (t) 8	WLL (t) 8+10	A	Dimensions (mm) B	C	R	Weight (kg)
Z2781617	C2247	5.3	6.7	95 x 76	74 x 58	133	301	3.48



Single Trunnion Plate C1513

Stock No.	Type Size/ Reference	WLL (t) 8	WLL (t) 8+10	R	Dimensions (mm) C	D	Weight (kg)
Z2781626	C1513	5.3	6.7	112	74	58	1.5

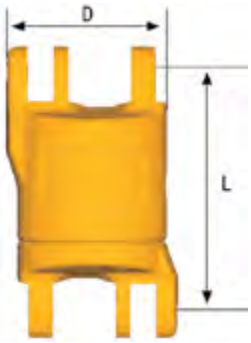
© 2025 Kito Crosby. All Rights Reserved.

Roller-Bearing Swivel, SKLI/SKLU

The Gunnebo Industries SKLI/SKLU is an electrically insulated, lubricated, and sealed roller bearing swivel. It is fully rotational, even at maximum load, tested to resist 1000 V, and suitable for protection of overhead cranes during welding operations on suspended loads.

The SKLI is equipped with a durable roller bearing, enabling high durability and safe use, even under severe load. It also has heavy-duty nylon insulation to decrease friction when in use. The SKLI is compatible with the entire Gunnebo Industries SK range for versatile use.





Roller-bearing Swivel SKLI/SKLU

For use with Grade 80 chain.

Stock No.	Code	WLL (t)	Dimensions (mm)		Weight (kg)
			L	D	
Z100316	SKLI-7/8-8	2.0	75	48	0.7
Z100414	SKLI-10-8	3.2	97	59	1.3
Z100415	SKLI-13-8	5.4	120	75	2.8
Z100416	SKLI-16-8	8.0	137	90	4.6
Z100417	SKLI-18/20-8	12.8	159	104	7.3
RS16520	SKLU-22-8*	15.5	160	109	9.2
RS16530	SKLU-26-8*	21.7	207	135	18.3

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.
* Uninsulated

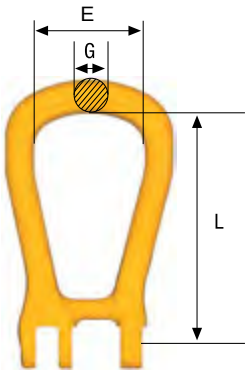


Load Pin and Locking Collar – SKA

For use with Grade 80 chain.

Stock No.	Code	Weight (kg)
Z700674	SKA-6-8	0.01
Z323624	SKA-7/8-8	0.02
Z318024	SKA-10-8	0.04
Z303822	SKA-13-8	0.08
Z303725	SKA-16-8	0.14
Z145048	SKA-18/20-8	0.26
Z133530	SKA-22-8	0.35
Z605407	SKA-26-8	0.63
Z650554	SKA-32-8	1.05

4:1 Design Factor.



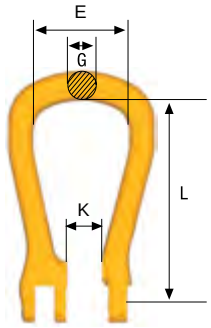
Master Link SKG (closed)

For use with Grade 80 chain. F or use with SK system.

Stock No.	Code	WLL (t)	Dimensions (mm)			Weight (kg)
			L	E	G	
Z419684	SKG-7/8-8	2.0	99	50	14	0.3
Z419781	SKG-10-8	3.2	127	66	18	0.6
Z419888	SKG-13-8	5.4	145	72	22	1.1
Z419985	SKG-16-8	8.2	175	82	25	1.5
Z420086	SKG-18/20-8	12.8	204	105	30	3.0

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

© 2025 Kito Crosby. All Rights Reserved.



Master Link SKO (open)

For use with Grade 80 chain. For use with SK system.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	E	G	K	
Z418683	SKO-7/8-8	2.0	99	50	14	15	0.3
Z418780	SKO-10-8	3.2	127	66	18	20	0.6
Z419383	SKO-13-8	5.4	145	72	22	25	1
Z419480	SKO-16-8	8.2	175	82	25	30	1.5
Z419587	SKO-18/20-8	12.8	204	105	30	36	2.9

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

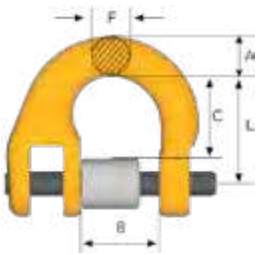


Roundsling Coupling SKR

Special shape for full WLL of the roundsling. For use with SK system.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	K	
Z127840	SKR-7/8-8	2.0	35	40	13	18	0.2
Z143143	SKR-10-8	3.2	42	47	16	24	0.4
Z302538	SKR-13-8	5.4	50	53	19	29	0.7
Z143240	SKR-16-8	8.2	62	67	23	35	1.3
Z143347	SKR-18/20-8	12.8	71	80	28	43	1.9
Z100057	SKR-22-8	15.5	111	125	40	50	5.3
Z100055	SKR-26-8	21.7	129	150	48	58	8.9

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

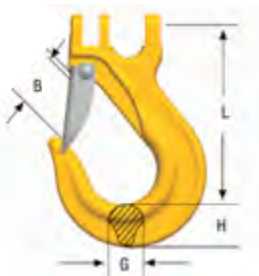


Half-link SKT (includes locking set)

For use with SK system.

Stock No.	Code	WLL (t)	Dimensions (mm)					Weight (kg)
			L	B	F	A	C	
Z426286	SKT-7/8-8	2.0	28	18	9	11	22	0.1
Z426383	SKT-10-8	3.2	34	25	11	13	26	0.2
Z426480	SKT-13-8	5.4	44	30	15	16	33	0.4
Z426587	SKT-16-8	8.2	52	36	19	20	40	0.6
Z426684	SKT-18/20-8	12.8	63	43	22	23	47	1.1
Z100225	SKT-22-8	15.5	76	50	24	26	59	1.7
Z100226	SKT-26-8	21.7	80	58	30	33	61	2.6
Z100227	SKT-32-8	32.8	100	70	38	40	78	4.9

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.



Sling Hook ESKN/SKN with Latch

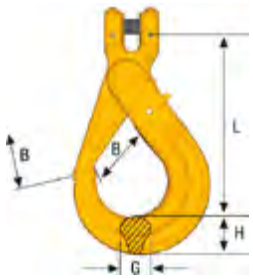
For use with SK system.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z424682	SKN-7/8-8	2.0	90	27	18	21	0.4
Z424789	SKN-10-8	3.2	115	34	23	29	0.8
Z101214	ESKN-13-8	5.4	145	42	28	36	1.8
Z100786	ESKN-16-8	8.2	178	52	36	43	3.4
Z100781	ESKN-18/20-8	12.8	197	54	42	51	5.0

4:1 Deisgn Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

© 2025 Kito Crosby. All Rights Reserved.

Safety Hook BKG

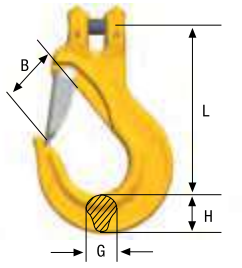


For use with Grade 80 chain.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z297222	BKG-7/8-8	2.0	120	37	17	26	0.9
Z295929	BKG-10-8	3.2	143	45	21	30	1.5
Z291527	BKG-13-8	5.4	179	55	30	39	2.8
Z291624	BKG-16-8	8.2	217	62	37	48	5.1

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Sling Hook EGKN with Latch

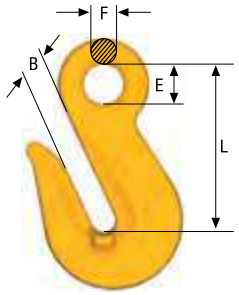


For use with Grade 80 chain.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z100744	EGKN-7/8-8	2.0	95	29	17	22	0.5
Z100772	EGKN-10-8	3.2	121	37	20	29	0.9
Z100773	EGKN-13-8	5.4	147	42	27	36	2.0
Z100774	EGKN-16-8	8.2	170	52	34	44	3.6

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Grab Hook OG

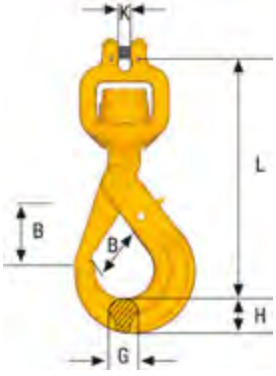


For use with Grade 80 chain. Not for use with Berglok. No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation.

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	E	F	
Z100811	OG-7/8-8	2.0	65	10	16	10	0.3
Z291022	OG-10-8	3.2	85	12	20	12	0.6
Z295220	OG-13-8	5.4	104	15	25	16	1.2
Z296221	OG-16-8	8.2	130	19	30	19	2.4

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Clevis Swivel Safety Hook BKH

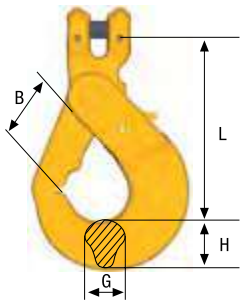


For use with Grade 80 chain. Safety hook with swivel for improved positioning of the hook before the load is lifted (360° rotation).

Stock No.	Code	WLL (t)	Dimensions (mm)					Weight (kg)
			L	B	K	G	H	
Z336222	BKH-6-8	1.1	145	29	6.8	15	21	0.7
Z700809	BKH-7/8-8	2.0	181	37	8.8	17	26	1.2

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Container Hook BKGC



For use with Grade 80 chain.

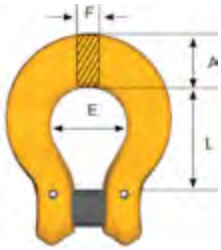
Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	B	G	H	
Z100242	BKGC-16-8	8.2	160	55	27	43	3.4

4:1 Design Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Spare part: RDOBK

© 2025 Kito Crosby. All Rights Reserved.

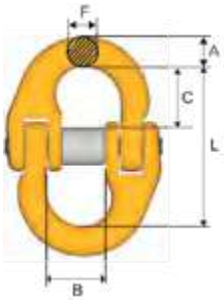
Berglok Chain Coupler BL



Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			L	E	F	A	
Z622036	BL-6-8	1.1	27	20	9	14	0.1
Z195823	BL-7/8-8	2.0	35	25	11	18	0.2
Z208022	BL-10-8	3.2	45	32	14	22	0.4
Z217820	BL-13-8	5.4	56	40	17	28	0.8
Z208226	BL-16-8	8.2	68	50	22	35	1.4

4:1 Deisgn Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Coupling Link G



Stock No.	Code	WLL (t)	Dimensions (mm)					Weight (kg)
			L	B	F	A	C	
Z622882	G-6-8	1.1	45	15	7	8	17	0.1
Z279333	G-7/8-8	2.0	56	18	9	11	22	0.2
Z279430	G-10-8	3.2	68	25	11	13	26	0.3
Z279537	G-13-8	5.4	89	30	15	16	33	0.7
Z279634	G-16-8	8.2	105	36	19	20	40	1.2
Z279731	G-18/20-8	12.8	125	43	22	23	47	1.9
Z279838	G-22-8	15.5	152	50	24	26	59	3.0
Z349171	G-26-8	21.7	161	58	30	33	61	5.2
Z349189	G-32-8	32.8	200	70	38	40	77	9.5

4:1 Deisgn Factor. Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.



Chain production plant in Gunnebo, Sweden

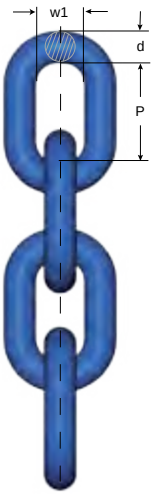
Behind the Scenes

Get a behind-the-scenes look at some of our world-class manufacturing facilities across the globe.

Watch all videos at kitocrosby.com/facilities

© 2025 Kito Crosby. All Rights Reserved.

Chain, GrabiQ Grade 10 (200) Short link, KL



Heat treatment:
Quenched & Tempered
Note: For chain Grade 10 (200) the maximum in service temperature is 200°C.

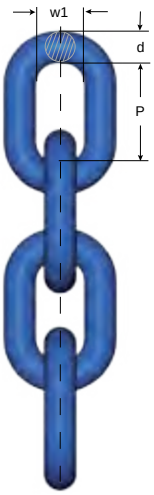
Surface treatment:
Painted blue

Fulfills the requirements in:
ASTM A973/A973M-07(2012)
EN 818+2:2008 (WLL +25%, reduced temperature range)

Stock No. Box	Code	WLL (t)	Dimensions (mm)			Weight kg / m	MPF kN	Breaking Force (kN)
			d nom.	P	w1			
Z802300 - 1 x 200 m	KLA 6-10 (200)	1.5	6	18	8.5	0.8	36.8	58.9
Z802337 - 1 x 200 m	KLA 7-10 (200)	1.95	7	21	10.0	1.1	48	77
Z802301 - 1 x 200 m	KLA 8-10 (200)	2.6	8	24	11.0	1.4	63	102
Z802302 - 1 x 100 m	KLA 10-10 (200)	4.0	10	30	14.0	2.3	98	158
Z802303 - 1 x 100 m	KLA 13-10 (200)	6.8	13	39	18.8	4.0	166	268
Z802304 - 1 x 100 m	KLA 16-10 (200)	10.3	16	48	21.9	5.6	251	402
Z802305 - 1 x 50 m	KLA 20-10 (200)	16.0	20	60	27.0	9.4	393	630
Z802246 - 1 x 50 m	KLA 22-10 (200)	20.0	22	66	29.0	11.9	491	785
Z802248 - 1 x 50 m	KLA 26-10 (200)	27.0	26	78	35.0	16.4	664	1062
Z802440 - 1 x 25 m	KLA 32-10 (200)	40.0	32	96	41.6	25.8	981	1610

4:1 Design Factor

Chain, GrabiQ Grade 10 (400) Short link, KL



Heat treatment:
Quenched & Tempered
Note: For chain Grade 10 (400) the maximum in service temperature is 400°C.

Surface treatment:
Painted blue

Fulfills the requirements in:
EN 818-2:2008 (WLL+25%, material dimension Ø +10%)

Note: This chain is marked with ”8+” in addition to the marking required by the machine directive.

Stock No. Box	Code	WLL (t)	Dimensions (mm)			Weight kg / m	MPF kN	Breaking Force (kN)
			d nom.	P	w1			
Z802306 - 1 x 200 m	KLA 6-10 (400)	1.5	6.6	18	8.9	1.0	36.8	58.9
Z802307 - 1 x 200 m	KLA 8-10 (400)	2.5	8.8	24	11.2	1.7	63	102
Z802308 - 1 x 100 m	KLA 10-10 (400)	4.0	11.0	30	14.4	2.6	98	158
Z802309 - 1 x 100 m	KLA 13-10 (400)	6.7	14.3	39	19.2	4.5	166	268
Z802310 - 1 x 100 m	KLA 16-10 (400)	10.0	17.3	48	23.0	6.7	251	402

4:1 Design Factor

Chain, Classic Grade 8 Short link, KL



Heat treatment:
Quenched & Tempered

Surface treatment:
Painted black (KLB)
Painted yellow (KLU)

Fulfills the requirements in:
EN 818-2:2008, AS 2321:2014, ASTM A391/A 391M-07 (2012)

Stock No. Box	Code	WLL (t)	Dimensions (mm)			Weight kg/m	Manufacturing Proof Force (kN)	Breaking Force (kN)
			d nom.	P	w1			
Z802174 - 1 x 200 m	KLB 6-8E	1.1	6	18	8.5	0.8	28.3	45.2
Z802175 - 1 x 200 m	KLB 7-8E	1.5	7	21	10.0	1.1	38.5	62
Z802176 - 1 x 200 m	KLB 8-8E	2.0	8	24	11.0	1.4	50.3	80.6
Z802156 - 1 x 100 m	KLB 10-8E	3.2	10	30	14.0	2.3	79	130
Z802157 - 1 x 100 m	KLB 13-8E	5.4	13	39	17.7	3.8	133	214
Z802177 - 1 x 100 m	KLB 16-8E	8.2	16	48	21.9	5.6	201	322
Z801203 - 1 x 100 m	KLB 19-8E	11.6	19	57	27.0	7.8	284	457
Z801228 - 1 x 50 m	KLB 22-8E	15.5	22	66	29.5	10.6	380	610
Z801231 - 1 x 50 m	KLB 26-8E	21.6	26	78	35.0	14.8	531	850
Z801232 - 1 x 25 m	KLB 32-8E	32.8	32	96	41.6	21.6	804	1300

4:1 Design Factor

© 2025 Kito Crosby. All Rights Reserved.



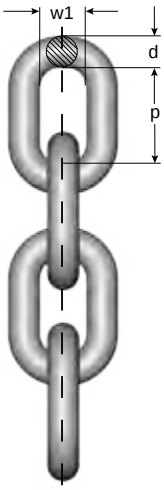
Chain KLZ HDG

Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

Fulfills the requirements in:
EN 818-2:2008 (material dim. Ø +10%)
ISO 1461:2009
ASTM A391/A391M-07 2012 (material dim. Ø +10%)

Stock No.	Code	WLL (t)	Link Dimensions (mm)			Weight kg/ m	Manufacturing Proof Force (kN)	WLL (kN)	Delivery Length
			d	P	w1				
ZG802306	KLZ-6-8 HDG	1.1	6.6	18	8.9	1.0	36.8	45.2	1 x 100 m
ZG802307	KLZ-8-8 HDG	2.0	8.8	24	11.2	1.7	63.0	80.6	1 x 100 m
ZG802308	KLZ-10-8 HDG	3.2	11.0	30	14.4	2.6	98.0	130	1 x 100 m
ZG802309	KLZ-13-8 HDG	5.4	14.3	39	19.2	4.5	166	214	1 x 100 m
ZG802310	KLZ-16-8 HDG	8.2	17.3	48	23.0	6.7	251	322	1 x 100 m



Short Link Chain KLFZ, Grade 7

Heat treatment:
Quenched & Tempered

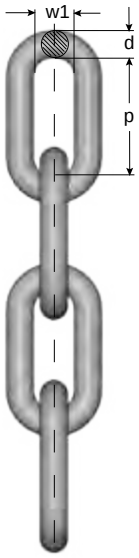
Surface treatment:
Hot-dip galvanized

Not for lifting purposes

Stock No.	Code	Link Dimensions (mm)			Weight kg / m	Min. Breaking Load (t)	Delivery Length
		d nom.	P	w1			
Z800666	KLFZ-10-7	10	30	14.0	2.2	11.0	1 x 100
Z800667	KLFZ-11-7	11	33	15.0	2.7	12.0	1 x 100
Z802329	KLFZ-13-7	13	39	17.2	3.8	18.0	1 x 100
Z803329	KLFZ-14-7	14	42	21.5	4.5	19.2	1 x 100
Z802901	KLFZ-16-7	16	48	47.0	5.6	26.7	1 x 100
Z801409	KLFZ-17-7	17	48	23.2	6.4	30.0	1 x 100
Z801407	KLFZ-19-7	19	57	27.0	8.1	40.0	1 x 100

Fulfills requirements in: EN 1461:2009 (Average surface thickness 85 µm)

© 2025 Kito Crosby. All Rights Reserved.



Mid-Link Chain MLFZ, Grade 7

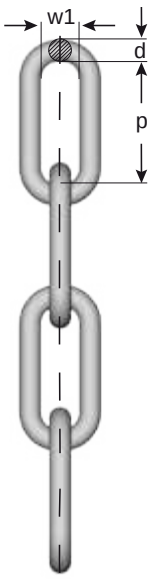
Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

Not for lifting purposes

Stock No.	Code	Link Dimensions (mm)			Min. Breaking Load (ton)	Weight kg / m	Delivery Length
		d nom.	P	w1			
Z802455	MLFZ 10-6*	10	40	14.4	10	2.0	1 x 100 m
Z802335	MLFZ-13-7	13	55	20.2	18	3.3	1 x 100 m
Z801645	MLFZ-16-7	16	65	20.5	26.2	5.0	1 x 100 m
Z801477	MLFZ-19-7	19	75	29	37	7.1	1 x 100 m

Fulfills requirements in: EN 1461:2009 (Average surface thickness 85µm)
* Average surface thickness 70µm.



Long Link Chain LLZ, Grade 6

Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

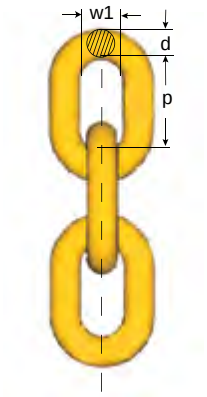
Not for lifting purposes

Stock No.	Code	Link Dimensions (mm)			Min. Breaking Load (ton)	Weight kg / m	Delivery Length
		d nom.	P	w1 min			
Z802453	LLZ-9-6*	9	53	14.3	7.8	1.4	1 x 100 m
Z802454	LLZ-11-6*	11	64	18.5	11.6	2.1	4 x 100 m
Z800682	LLZ-13-6	13	80	21.1	16.3	2.9	3 x 100 m
Z802207	LLZ-13-6	13	80	21.1	16.3	2.9	1 x 229,5 m
Z801567	LLZ-16-6	16	100	27	24.7	4.6	1 x 100 m
GS1073	LLZ-16-6	16	100	27	24.7	4.6	1 x 200 m
Z801458	LLZ-19-6	19	100	28.5	34.8	6.5	1 x 120 m
Z801887	LLZ-22-6	22	120	36	46.6	8.7	1 x 50 m
Z802447	LLZ-25-6	25	140	37	60.0	12.0	1 x 50 m
Z802449	LLZ-28-6	28	150	39	75.3	14.9	1 x 50 m
Z802451	LLZ-32-6	32	170	44	98.3	19.0	1 x 50 m

Fulfills requirements in: EN 1461:2009 (Average surface thickness 85µm)
* Average surface thickness 70µm.

© 2025 Kito Crosby. All Rights Reserved.

Short Link Chain KLFU, Grade 8



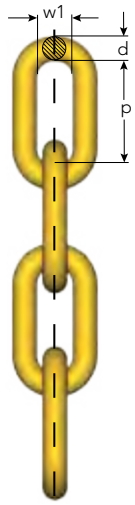
Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

Stock No.	Code	Link Dimensions (mm)			Weight kg / m	Min. Breaking Load (t)	Delivery Length
		d nom.	P	w1			
Z802330	KLFU-10-8	10	30	14.0	2.2	12.6	1 x 100 m
Z802331	KLFU-13-8	13	39	17.6	3.7	21.4	1 x 100 m
Z801146	KLFU-16-8	16	48	21.5	5.8	32.2	1 x 100 m
Z327377	KLFU-19-8	19	57	27.0	8.0	45.4	1 x 100 m
Z327385	KLFU-22-8	22	66	30.0	11.0	61	1 x 50 m
Z801505	KLFU-26-8	26	78	35.0	14.8	86	1 x 50 m

Mid-Link Chain MLFU, Grade 8



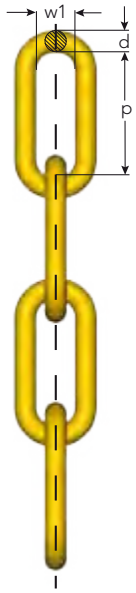
Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

Stock No.	Code	Link Dimensions (mm)			Weight kg / m	Min. Breaking Load (t)	Delivery Length
		d nom.	P	w1			
Z802332	MLFU-10-8	10	40	14.4	2.0	12.6	1 x 100 m
Z802333	MLFU-13-8	13	55	20.2	3.3	21.4	1 x 100 m
Z800564	MLFU-16-8	16	65	20.5	5.0	32.2	1 x 100 m
Z800476	MLFU-19-8	19	75	29.0	7.1	45.4	1 x 100 m
Z800661	MLFU-22-8	22	88	30.0	9.4	61	1 x 50 m
Z801770	MFLU-26-8	26	91	34.0	13.9	86	1 x 50 m

Long-Link Chain LLU, Grade 8



Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

Stock No.	Code	Link Dimensions (m)			Weight kg / m	Min. Breaking Load (t)	Delivery Length
		d	P	w1 min			
Z801934	LLU-9-8	9	53	14.3	1.4	10.2	4 x 100 m
Z801935	LLU-11-8	11	64	18.5	2.1	15.4	4 x 100 m
Z801936	LLU-13-8	13	80	21.1	2.9	21.4	3 x 100 m
Z802160	LLU-16-8	16	100	27.0	4.6	32.2	1 x 100 m
Z601983	LLU-19-8	19	100	27.0	6.5	45.4	1 x 100 m
Z700526	LLU-22-8	22	120	36.0	8.7	61	1 x 50 m

© 2025 Kito Crosby. All Rights Reserved.

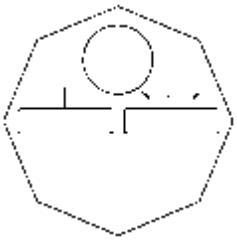
Spare Part RDGG



Spare part set consisting of pin, spring, and locking ring.

Stock No.	Code	Weight (kg)
B17930	RDGG-8-10 locking pin	0.03
B17931	RDGG-10-10 locking pin	0.04
B17932	RDGG-13-10 locking pin	0.05
B17933	RDGG-16-10 locking pin	0.06

Id-tag Grade 8



Stainless steel.

Stock No.	Code
Z100004	Id-tag

Sling Id-tag Grade 10



Stainless steel. Sling Id-tag Grade 10 according to EN 818.

Stock No.	Code
B14841	Flexitag 6 mm with ferrule and wire
B14842	Flexitag 8 mm with ferrule and wire
B14843	Flexitag 10 mm with ferrule and wire
B14844	Flexitag 13 mm with ferrule and wire
B14845	Flexitag 16 mm with ferrule and wire
Z100971	Flexitag 6 mm
Z100972	Flexitag 8 mm
Z100973	Flexitag 10 mm
Z100974	Flexitag 13 mm
Z100975	Flexitag 16 mm
Z101077	Flexitag 20 mm
Z100899	Flexitag Neutral

© 2025 Kito Crosby. All Rights Reserved.



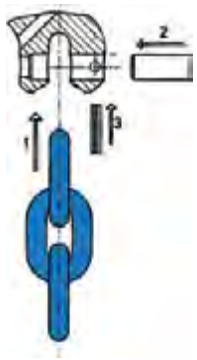
Stainless steel. Sling Id-tag Grade 10 acc. to ASME.

Stock No.	Code
697053	US/CANADA FLEXI LEG TAG KIT (6MM)
697054	US/CANADA FLEXI LEG TAG KIT (8MM)
697055	US/CANADA FLEXI LEG TAG KIT (10MM)
697056	US/CANADA FLEXI LEG TAG KIT (13MM)
697057	US/CANADA FLEXI LEG TAG KIT (16MM)



Load Pin Set CLS

Clevis connection set consisting of one load pin and one spring retaining pin.



Stock No.	Code	Weight (kg)
B14930	CLS- 6	0.01
B14931	CLS- 8	0.02
B14932	CLS-10	0.04
B14933R	CLS-13	0.09
B14934	CLS-16	0.16
B14935	CLS-20	0.26



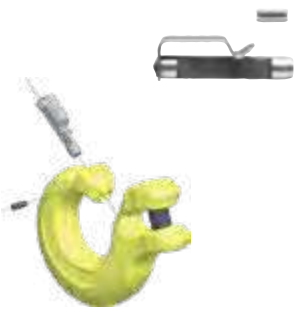
Spare Part CS

C-connection set for CG, CGD, CL, CLD, and RH hook, consisting of one blocking pin and one spring retaining pin, for locking.



Assembly: C-coupling - C-grab/C-lok with MF

Stock No.	Code	Weight (kg)
B14920	CS- 6-10	0.01
B14921	CS- 8-10 / RH-1& -2	0.01
B14922	CS-10-10 / RH-3	0.01
B14923	CS-13-10	0.03
B14924	CS-16-10 / RH-5	0.05

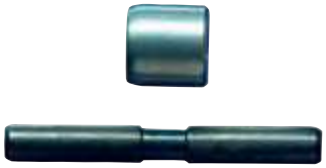


Close/Open Locking Set FlexiLeg Quick Pin

Stock No.	Code	Weight (kg)
Z101010	QP-6-10	0.01
Z101011	QP-8-10	0.01
Z101012	QP-10-10	0.01
Z101013	QP-13-10	0.03
Z101014	QP-16-10	0.06

© 2025 Kito Crosby. All Rights Reserved.

Locking Set SKA

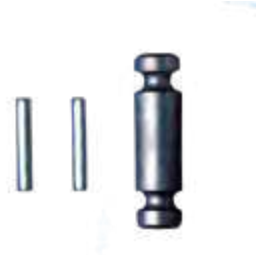


SKA locking set for G-link, consists of a load pin and locking collar.

Stock No.	Code	Weight (kg)
Z100989	SKA- 6-10	0.01
Z100933	SKA- 7/8-10	0.02
Z100934	SKA-10-10	0.04
Z100990	SKA-13-10	0.08
Z100991	SKA-16-10	0.14
Z101176	SKA-20-10	0.26
Z650555	SKA-22-10	0.35
Z650556	SKA-26-10	0.63
Z650557	SKA-32-10	1.09

Stock No.	Code	Weight (kg)
Z700674	SKA-6-8	0.01
Z323624	SKA-7/8-8	0.02
Z318024	SKA-10-8	0.04
Z303822	SKA-13-8	0.08
Z303725	SKA-16-8	0.14
Z145048	SKA-18/20-8	0.26
Z133530	SKA-22-8	0.35
Z605407	SKA-26-8	0.63
Z650554	SKA-32-8	1.05

Load Pin Set Berglok BLA



Set for Berglok and clevis type connections. Consists of one load pin and two retaining pins.

Stock No.	Code	Weight (kg)
Z275649	BLA-6-8*	0.01
Z275347	BLA-7/8-8*	0.02
Z275444	BLA-10-8	0.04
Z275648	BLA-13-8	0.08
Z276047	BLA-16-8	0.15
Z276241	BLA-19-8	0.26

* Also for Safety hook BKH

Locking Set Midgrab MIG



C - Close/open function



L - Permanent locking function

Stock No.	Code	Weight (kg)
B14904	C-8	0.02
B14905	L-8	0.02
B14914	C-10	0.02
B14915	L-10	0.02
B14916	C-13	0.08
B14917	L-13	0.05

© 2025 Kito Crosby. All Rights Reserved.

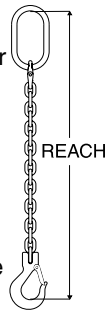
TO MAKE YOUR CROSBY® GRADE 100 ALLOY CHAIN SLING

Follow these simple steps in making a sling assembly:

1. Determine the maximum load to be lifted by the sling assembly.
2. Choose the type of sling assembly suited for the shape of the load and the size of the sling assembly for the load to be lifted. The decision must take into account the angle of the sling legs in multileg slings.
3. Determine the overall reach from bearing point of master link to bearing point on hook (see Fig. 1).
4. Select components, assemble chain and components.
5. Affix sling identification tag to sling. The tag is available from your authorized Crosby distributor.

Each sling shall be marked to show: name or trademark of manufacturer, grade, nominal chainsize, number of legs, rated load for the type(s) of hitch(es) used and angle upon which it is based (reach).

If measurement comes in the link, cut the following link. For two leg type slings, count the links and use an even number for clevis hooks and an odd number for eye hooks. This will position hooks in the same plane. In multileg slings always use the same number of links in each leg.





When using chain slings in choker applications, the Working Load Limit must be reduced by 20%. Crosby recommends a minimum angle of choke of 120 degrees. Consult Crosby when planning to use an angle of choke of less than 120 degrees. If Crosby A-1338 cradle grab hooks are used at a minimum angle of choke of 120 degrees, the full sling rated WLL can be utilized.

In shortening applications, a 20% reduction of the Working Load Limit is required except when using the Crosby A-1338 Cradle Grab Hooks, S-1311 Chain Shortener Link, the A-1355 Chain Choker Hook in conjunction with the S-1325 Chain Coupler Link, or the Crosby Eliminator® shortener link. They can be used without any reduction to the Working Load Limit.

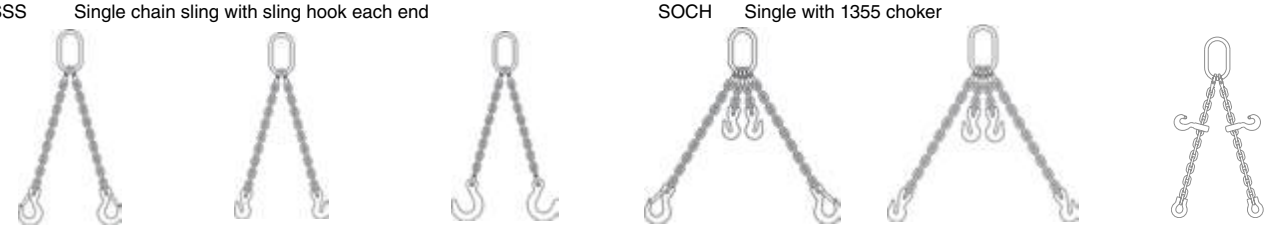
The Slings shown below are standard assemblies that can be made from proof tested Crosby components and alloy chain supplied by your authorized Crosby distributor. Assemblies must include a chain sling identification tag.

APPLICATION AND WARNING INFORMATION
SECTION 17



TYPE CO | TYPE SOS | TYPE SOG | TYPE SOF | TYPE SSS | TYPE SGS | TYPE ASOS | TYPE ASOF | TYPE ASOG | TYPE SOCH

Type	Description	Type	Description
CO	Single chain sling with master link each end	SGS	Single chain sling with grab hook and sling hook
SOS	Single chain sling with master link and sling hook	ASOS	Adjustable single chain with master link and sling hook
SOG	Single chain sling with master link and grab hook	ASOF	Adjustable single chain sling with master link and foundry hook
SOF	Single chain sling with master link and foundry hook	ASOG	Adjustable single chain sling with master link and grab hook
SSS	Single chain sling with sling hook each end	SOCH	Single with 1355 choker



TYPE DOS | TYPE DOG | TYPE DOF | TYPE ADOS | TYPE ADOG | TYPE DOCH

Type	Description	Type	Description
DOS	Double chain sling with master link and sling hook	ADOS	Adjustable double chain sling with master link and sling hook
DOG	Double chain sling with master link and grab hook	ADOG	Adjustable double chain sling with master link and grab hook
DOF	Double chain sling with master link and foundry hook	DOCH	Double with 1355 choker



TYPE TOS | TYPE TOG | TYPE TOF | TYPE TOCH | TYPE QOS | TYPE QOG | TYPE QOF

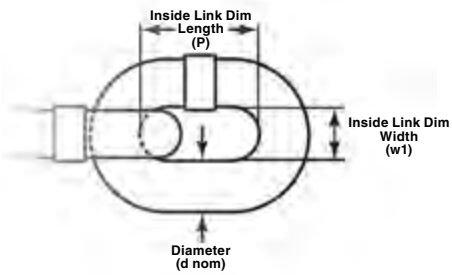
Type	Description	Type	Description
TOS	Triple chain sling with master link and sling hook	QOS	Quadruple chain sling with master link and sling hook
TOG	Triple chain sling with master link and grab hook	QOG	Quadruple chain sling with master link and grab hook
TOF	Triple chain sling with master link and foundry hook	QOF	Quadruple chain sling with master link and foundry hook
TOCH	Triple with 1355 choker		

© 2025 Kito Crosby. All Rights Reserved.

Peerless 10®
Alloy Chain



- 25% stronger than Grade 80 alloy chain.
- Permanently embossed with CG (Crosby Group) and 10 (Grade).
- Finish - red paint for 6-16mm and black paint for 20-32mm.
- Meets ASTM A973 for Grade 10 chain.
- Proof Tested at 2.5 times the Working Load Limit with certification.



Grade 100 Alloy Chain Recommended for overhead lifting applications

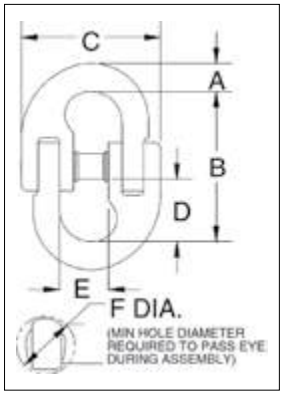
Chain Size (mm)	Stock No.	Meters Per Drum / Crate	Working Load Limit (t)	Dimensions (mm)			Breaking Force (kN)	Manufacturing Proof Force (kN)	Weight Per meter (kg/m)
				d nom.	P	w1			
6	1224693	200	1.5	6	18	8.5	58.9	36.8	0.9
7	1210055	200	1.95	7	21	10	77	48	1.2
8	1210076	200	2.6	8	24	11	102	63	1.6
10	1210097	200	4.0	10	30	14	158	98	2.5
13	1210118	150	6.8	13	39	18.8	268	166	4.1
16	1210139	100	10.3	16	48	21.9	402	251	6.2
20	1210060	50	16.0	20	60	27	630	393	9.4
23	1210065	50	21.0	23	69	27.5	831	515	13.0
26	1210070	50	27.1	26	78	35	1062	664	16.4
32	1210075	25	41.0	32	96	41.6	1610	1005	25.8

4:1 Design Factor.

A-1337



- Suitable for use with both Grade 80 and Grade 100 chain.
- Individually Proof Tested at 2-1/2 times Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly - no special tools needed.
- Meets ASTM A-952 standards for Grade 100 chain fittings.
- Forged alloy steel — Quenched & Tempered.
- Sizes 7mm through 26mm are fatigue rated.



Crosby 8/10™ Fatigue Rated QT

A-1337 LOK-A-LOY® 10 Alloy Connecting Link

Chain Size		Stock No.	Pkg. Qty.	Weight Each (kg)	Working Load Limit (t)	Dimensions (mm)					
(in)	(mm)					A	B	C	D	E	F
9/32 (1/4)	7	1015104	60	.13	2.0	9.7	49.3	50.8	20.3	17.3	13.5
5/16	8	1015113	50	.19	2.6	9.4	59.9	54.1	25.1	18.3	15.0
3/8	10	1015122	40	.35	4.0	13.0	67.3	64.8	27.7	23.1	18.5
1/2	13	1015136	12	.73	6.8	17.3	87.9	86.1	36.8	28.7	22.6
5/8	16	1015145	10	1.41	10.3	19.8	108.0	101.6	45.0	34.0	30.5
3/4	20	1015154	1	2.90	16.0	25.7	130.6	134.6	54.6	41.7	39.6
7/8	22	1015163	1	3.56	19.4	27.7	138.7	146.8	57.7	50.0	39.4
1	26	1015172	1	5.01	27.1	31.5	150.9	165.1	61.2	56.1	47.8
1-1/4	32	1015181	1	9.53	41.0	39.6	188.7	193.0	78.0	65.3	56.4

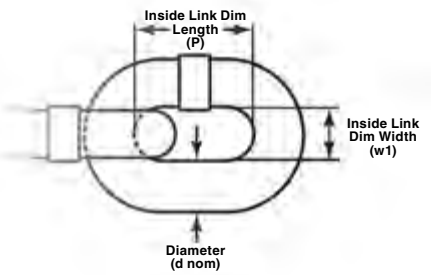
4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

Peerless 8®
Alloy Chain



- Finish – black paint.
- Permanently embossed with CG (Crosby Group) and 8 (Grade).
- Proof Tested at 2.5 times the Working Load Limit with certification.
- Meets EN 818-2 for Grade 8 chain.



Grade 80 Alloy Chain Recommended for overhead lifting applications

Chain Size (mm)	Stock No.	Meters Per Drum / Crate	Working Load Limit (t)	Dimensions (mm)			Breaking Force (kN)	Manufacturing Proof Force (kN)	Weight Per meter (kg/m)
				d nom.	P	w1			
6	1244915	200	1.1	6	18	8.5	45.2	28.3	0.8
7	1244985	200	1.5	7	21	10	62	38.5	1.1
8	1245055	200	2.0	8	24	11	80.6	50.3	1.4
10	1245125	200	3.2	10	30	14	130	79	2.3
13	1245195	150	5.4	13	39	18.8	214	133	3.8
16	1245265	100	8.2	16	48	21.9	322	201	5.6
19	1245360	50	11.6	19	57	27	457	284	7.8
20	1245364	50	12.8	20	60	25	504	315	9.9
22	1245368	50	15.5	22	66	29.5	610	380	10.6
23	1245372	50	16.0	23	69	32	665	415	11.8
26	1245376	50	21.6	26	78	35	850	531	14.8
32	1245380	50	32.8	32	96	41.6	1300	804	21.6

4:1 Design Factor.

Crosby provides two methods of attaching Spectrum 8® chain to Crosby fittings:

CONNECTING AND COUPLER CHAIN LINKS



A-1337
LOK-A- LOY®
Connecting Link



S-1325
Grade 100
Coupler Link

© 2025 Kito Crosby. All Rights Reserved.

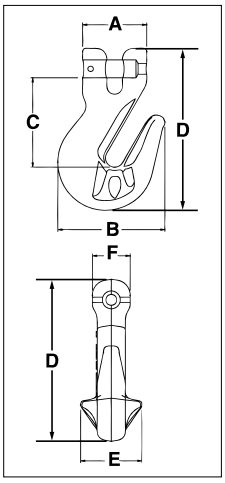
A -1338

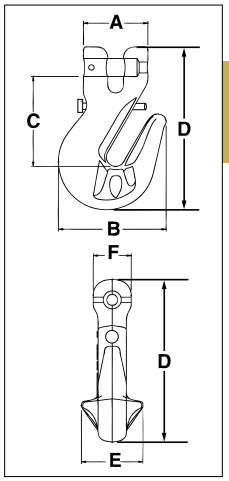


L-1338



- Forged alloy steel — Quenched & Tempered.
- Innovative cradle design allows for 100% efficiency of Grade 100 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- The use of A-1338 Cradle Grab Hook will allow 100 percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.





Crosby 8/10™ Fillpac Folded QUIC-CHECK® Q&T

A/L-1338 Cradle Grab Hook

Chain Size		Working Load Limit	A-1338 Stock No.	L-1338 Stock No.	Weight Each	Dimensions (mm)						S-4338 Replacement Latch Kit Stock No.
(in)	(mm)	(t)			(kg)	A	B	C	D	E	F	
1/4	7	2.0	1049417	1049480	.20	43.7	64.5	55.9	98.5	38.1	22.4	1048426
5/16	8	2.6	1049426	1049489	.45	43.7	64.5	55.4	98.5	38.1	22.4	1048426
3/8	10	4.0	1049435	1049498	.82	47.0	78.5	65.5	119	46.5	27.7	1048435
1/2	13	6.8	1049444	1049507	1.78	60.7	97.3	83.3	149	57.2	36.1	1048444
5/8	16	10.3	1049453	1049516	3.18	67.8	115	97.8	179	74.5	44.5	1048453

4:1 Design Factor.

APPLICATION AND WARNING INFORMATION
SECTION 17

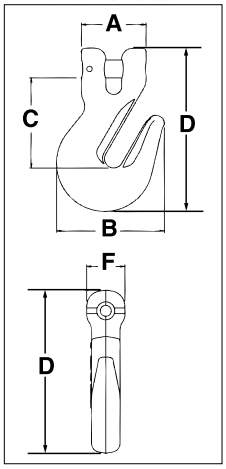
A -1358

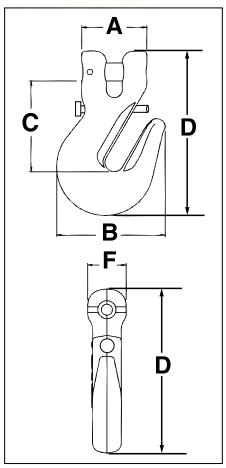


L -1358



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.





Crosby 8/10™ Fillpac Folded QUIC-CHECK® Q&T

A/L-1358 Grab Hook

Chain Size		Working Load Limit	A-1358 Stock No.	L-1358 Stock No.	Weight Each	Dimensions (mm)					S-4338 Replacement Latch Kit Stock No.
(in)	(mm)	(t)			(kg)	A	B	C	D	F	
1/4	7	2.0	1049610	1049605	.20	43.7	64.5	55.9	98.5	22.4	1048426
5/16	8	2.6	1049629	1049614	.45	43.7	64.5	55.4	98.5	22.4	1048426
3/8	10	4.0	1049638	1049623	.82	47.0	78.5	65.5	119	27.7	1048435
1/2	13	6.8	1049647	1049634	1.78	60.7	97.3	83.3	149	36.1	1048444
5/8	16	10.3	1049656	1049643	3.18	67.8	115	97.8	179	44.5	1048453

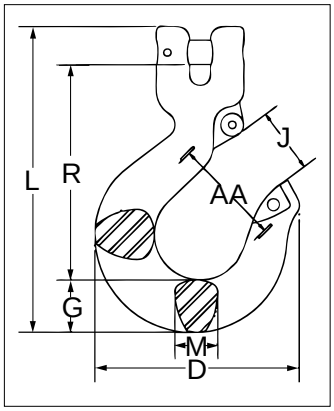
4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

L-1339



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Hoist hooks incorporate QUIC-CHECK® deformation and angle indicators.
- Low profile hook tip.
- New integrated latch (S-4320/S-4339) meets the world standard for lifting.
  - Heavy duty stamped latch interlocks with the hook tip.
  - High cycle, long life spring.
  - When secured with the proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) for personnel lifting.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.



L-1339 Clevis Sling Hook

Chain Size		Working Load Limit (t)	Hook ID Code	Stock No.	Weight Each (kg)	Dimensions (mm)							Replacement Latch Kit Stock No.
(in)	(mm)					D	G	J	L	M	R	AA	
-	6	1.5	DA	1049103	0.29	72.6	18.5	23.6	107	16.0	74.9	38.1	1096325
1/4	7	2.0	HA	1049112	0.72	98.0	26.4	30.2	144	19.1	101	50.8	1096468
5/16	8	2.6	HA	1049121	0.71	98.0	26.4	30.2	144	19.1	100	50.8	1096468
3/8	10	4.0	IA	1049130	1.17	111	30.2	38.9	171	25.4	120	63.5	1096515
1/2	13	6.8	JA	1049149	2.39	142	36.6	45.2	213	29.7	150	76.2	1096562
5/8	16	10.3	KA	1049158	4.45	172	48.0	61.2	259	36.6	177	102	1096609
3/4	18-20	16.0	KHX19	1049167	8.30	211	71.9	68.3	332	50.0	203	114	1048714
7/8*	22-23*	21.0	KHX23	1049176	11.2	233	78.0	77.5	355	50.0	223	127	1048732

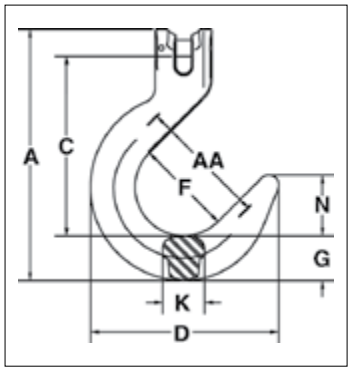
4:1 Design Factor.
*7/8 in (22-23 mm) size does not have cam, latch attaches to unique pin.

© 2025 Kito Crosby. All Rights Reserved.

A-1359



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Hook can be tip loaded at the reduced Working Load Limit, see section 17.
- Operator must ensure the load is retained properly in the hook.



A-1359 Clevis Foundry Hook

Chain Size		Stock No.	Working Load Limit at Saddle of Hook (t)	Working Load Limit at Tip of Hook (t)	Weight Each (kg)	Dimensions (mm)							
(in)	(mm)					A	C	D	F	G	K	N	Deformation Indicators AA
1/4	7	1049907	2.0	1.0	0.98	159.0	111.3	122.4	63.5	28.7	22.4	39.9	88.9
5/16	8	1049911	2.6	1.3	0.93	159.0	111.0	122.4	63.5	28.7	22.4	39.9	88.9
3/8	10	1049916	4.0	2.0	1.95	197.1	140.7	147.8	76.2	35.1	33.0	47.8	101.6
1/2	13	1049925	6.8	3.4	3.62	238.3	169.4	178.8	88.9	41.4	38.1	57.2	114.3
5/8	16	1049934	10.3	5.1	6.44	285.8	195.1	207.5	101.6	55.6	44.5	64.3	127.0
3/4	18-20	1049943	16.0	8.0	11.2	366.5	248.7	245.1	127.0	61.0	55.9	86.1	152.4
7/8	22-23	1049952	21.0	10.0	19.9	412.8	279.9	280.2	139.7	78.0	69.1	95.0	165.1

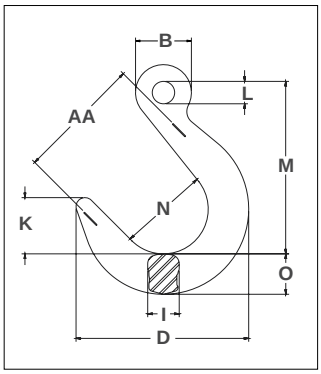
4:1 Design Factor.

Crosby 8/10™ Fatigue Rated QUIC-CHECK® Q&T

A-1329



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Hook can be tip loaded at the reduced Working Load Limit, see section 17.
- Operator must ensure the load is retained properly in the hook.



A-1329 Eye Foundry Hook

Chain Size		Stock No.	Working Load Limit at Saddle of Hook (t)	Working Load Limit at Tip of Hook (t)	Weight Each (kg)	Dimensions (mm)								
(in)	(mm)					B	D	I	K	L	M	N	O	Deformation Indicators AA
1/4 - 5/16	7-8	1026280	2.6	1.3	.91	39.6	122.4	22.4	39.9	16.0	122.2	63.5	28.7	89
3/8	10	1026289	4.0	2.0	1.72	52.6	147.8	33.0	47.8	20.6	139.7	76.2	35.1	102
1/2	13	1026297	6.8	3.4	3.27	64.3	178.8	38.1	57.2	26.2	180.6	88.9	41.4	114
5/8	16	1026306	10.3	5.1	5.58	76.2	207.5	44.5	64.3	31.8	202.2	101.6	55.6	127
3/4	18-20	1026315	16.0	8.0	10.4	104.9	245.1	55.9	86.1	50.0	273.1	127.0	61.0	165
7/8	22-23	1026324	21.0	10.0	18.4	121.2	280.2	69.1	95.0	57.9	311.2	139.7	78.0	178
1	26	1026333	27.1	13.5	23.5	135.4	302.3	71.9	99.8	65.0	339.6	152.4	84.1	191
1 1/4	32	1026342	41.0	20.5	38.3	167.9	336.6	88.9	110.0	80.0	387.4	165.1	97.5	203

4:1 Design Factor.

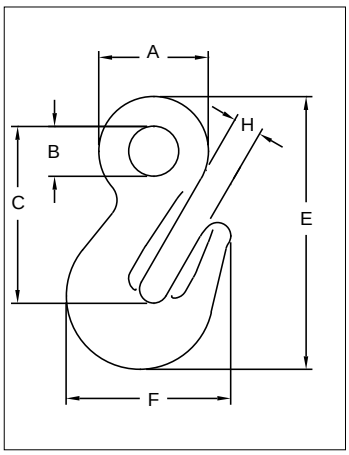
© 2025 Kito Crosby. All Rights Reserved.

Crosby

A-1328



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.



Crosby 8/10™ Fully Rated QUIC-CHECK® Q&T

A-1328 Eye Grab Hook

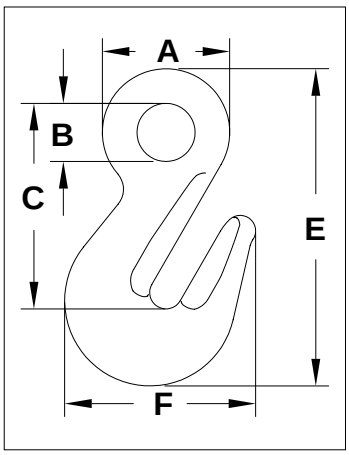
Chain Size (in)	Chain Size (mm)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm) A	B	C	E	F	H
1/4 - 5/16	7 - 8	2.6	1026169	.44	44.5	19.1	70.9	109	66.3	11.2
3/8	10	4	1026187	.73	52.3	23.9	84.6	130	78.5	13.5
1/2	13	6.8	1026196	1.50	65.0	28.4	104	162	97.3	16.8
5/8	16	10.3	1026205	2.72	78.0	33.3	125	194	115	20.0
3/4	19-20	16	1026214	4.54	82.6	38.1	137	223	152	23.9
7/8	22-23	20	1026223	5.94	100	46.0	165	257	166	27.7
1	26	27.1	1026232	8.57	113	50.8	183	291	197	30.2
1 1/4	32	41	1026241	17.9	143	60.5	231	371	241	38.1

4:1 Design Factor.

A-1348



- Forged alloy steel — Quenched & Tempered.
- The use of A-1348 Cradle Grab Hook will allow 100% percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.
- Innovative cradle design allows for 100% efficiency of Grade 100 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby in raised letters.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™ Q&T

A-1348 Eye Cradle Grab Hook

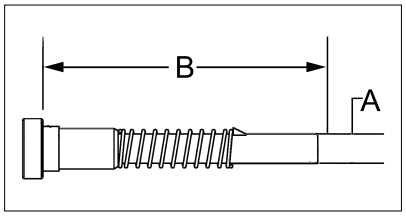
Chain Size (in)	Chain Size (mm)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm) A	B	C	E	F
1/4-5/16	7-8	2.5	1026200	0.35	36.3	16.5	64.0	98.2	58.2
3/8	10	4.0	1026209	0.64	49.5	26.0	78.0	120	68.8
1/2	13	6.8	1026218	0.87	62.0	29.0	97.0	146	82.4
5/8	16	10.3	1026227	2.83	79.0	36.0	126.5	196	111.8

4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.



- Latch Kits shipped unassembled and individually packaged with instructions.
- For use only with Crosby L-1338 and L-1358 Grab Hooks.



S-4338 Grab Hook Latch Kits

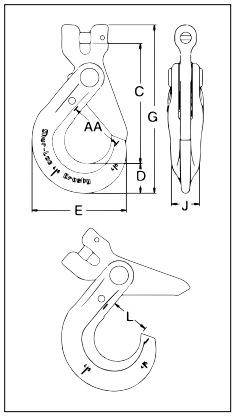
Hook Size (in)	Hook Size (mm)	Stock No.	Weight Each (kg)	Dimensions (mm) A	Dimensions (mm) B
1/4 5/16	7 8	1048426	.01	4.7	40.4
3/8	10	1048435	.01	4.7	45.2
1/2	13	1048444	.02	6.3	57.2
5/8	16	1048453	.03	7.9	65.2

APPLICATION AND WARNING INFORMATION
SECTION 17

S-1317



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
  - Easy to operate with enlarged thumb access.
- Positive Lock Latch is self-locking when hook is loaded.
- Eye style is designed with engineered flat to connect to S-1325 chain coupler.
- Suitable for use with Grade 100 and Grade 80 chain.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™ Fatigue Rated QUIC-CHECK® Q&T

APPLICATION AND WARNING INFORMATION
SECTION 17

S-1317 Clevis Hook

Chain Size (in)	Chain Size (mm)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm) C	D	E	G	J	L	AA	Replacement Trigger Kit Stock No.
-	6	1.5	1028991	.35	87.4	20.1	66.0	121	16.0	29.0	38.1	6603010
1/4	7	2.0	1029000	.82	114	27.9	89.0	159	20.6	35.1	51.0	6603011
5/16	8	2.6	1029009	.82	114	27.9	89.0	159	20.6	35.1	51.0	6603011
3/8	10	4.0	1029018	1.66	140	29.7	112	192	24.1	46.5	63.5	6603012
1/2	13	6.8	1029027	3.08	173	42.4	139	242	29.5	56.4	76.2	6603013
5/8	16	10.3	1029036	5.40	209	51.8	167	295	38.1	67.3	89.0	6603014
3/4	18-20	16.0	1029071	6.80	239	56.4	197	336	51.6	89.4	-	6603015
7/8	22	20.0	1029080	12.7	283	62.2	222	392	55.9	97.3	-	6603008
1	26	27.1	1029089	22.5	319	81.5	251	468	68.1	104	-	6603017

4:1 Design Factor.

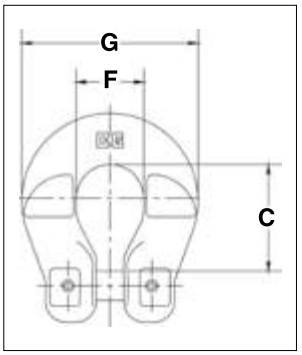
© 2025 Kito Crosby. All Rights Reserved.

Crosby

S-1325A



- Forged alloy steel — Quenched & Tempered.
- Designed to connect Grade 100 chain fittings produced with engineered flat to Grade 100 chain.
- Suitable for use with Grade 100 and Grade 80 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly – no special tools required.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™ Fatigue Rated Q&T

S-1325A Grade 100 Chain Coupler

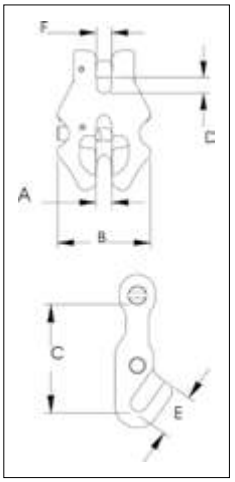
Chain Size (in)	Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm) C	F	G
-	6	1098496	1.5	.11	26.2	19.3	44.7
1/4	7	1098500	2	.23	35.8	22.4	59.0
5/16	8	1098504	2.5	.23	35.6	22.4	59.0
3/8	10	1098508	4	.34	46.7	30.0	69.0
1/2	13	1098512	6.8	.75	55.6	38.1	94.5
5/8	16	1098516	10.3	.86	71.4	49.8	112

4:1 Design Factor.

S-1311N



- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Suitable for use with Grade 100 and Grade 80 chain.
- Spring loaded chain locking system keeps chain in place under slack conditions.
- The use of S-1311N Chain Shortener will allow 100 percent of the chain sling capacity.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™ Fatigue Rated Q&T

S-1311N Grade 100 Chain Shortener Link

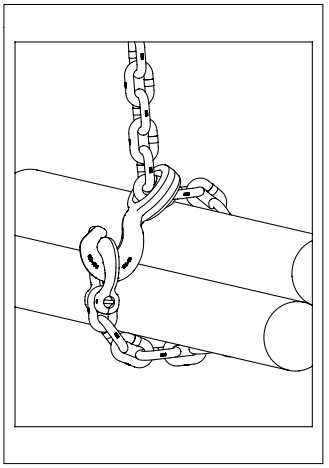
Chain Size (in)	Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm) A	B	C	D	E	F
-	6	1017860	1.5	.34	7.61	44.7	46.5	7.37	19.3	7.37
1/4	7	1017869	2.0	.45	8.64	51.8	55.1	8.64	22.4	8.38
5/16	8	1017878	2.6	.45	10.2	59.9	64.3	9.91	25.7	9.65
3/8	10	1017897	4.0	.68	12.2	72.1	78.0	12.2	31.2	11.7
1/2	13	1017906	6.8	1.47	15.7	90.4	95.8	15.5	39.9	15.0
5/8	16	1017915	10.3	2.54	18.5	108	118	18.5	48.5	17.8

4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

A-1355



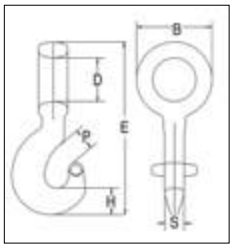


- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested with certification.
- Rated for Grade 100 chain in choker applications.
- Each hook has a Product Identification Code (PIC) for material traceability,
- along with the size and the name Crosby.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- For use with S-1325 Chain Coupler Link.

Crosby 8/10™ Fatigue Rated Q&T

6

A-1355 Chain Choker Hook



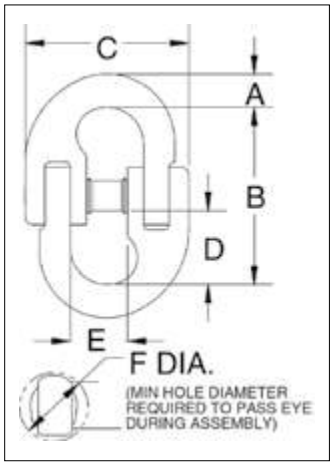
Grade 10 Alloy Chain Size (in)	Grade 10 Alloy Chain Size (mm)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm) B	D	E	H	P	S
1/4-5/16	7-8	2.6	1015204	.34	52.1	30.0	123	20.1	17.5	16.5
3/8	10	4.0	1015213	.74	67.6	39.9	154	23.6	23.6	17.5
1/2	13	6.8	1015222	1.42	85.1	51.6	193	30.0	32.0	23.8
5/8	16	10.3	1015231	3.16	107	64.0	246	39.1	28.4	30.0

4:1 Design Factor.

A-336



- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- The Working Load Limit of the A-336 is less than Grade 80 chain ratings. When using in Grade 80 chain slings, ASME B30.9c requires that the Working Load Limit of a sling must not exceed the lowest Working Load Limit of the components in the system.



Q&T

APPLICATION AND WARNING INFORMATION SECTION 17

A-336 LOK-A-LOY® 6 Connecting Link

Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm) A	B	C	D	E	Diameter of Hole to Accept Link (mm)
6-7	1014397	1.47	.11	7.85	52.5	42.9	19.8	19.8	12.7
8-10	1014413	3.00	.27	11.4	69.0	58.5	26.9	27.7	16.8
13	1014431	5.10	.54	14.7	85.0	80.5	32.5	35.8	22.4
16	1014459	7.48	1.10	19.8	99.5	100	39.6	42.9	26.9
19	1014477	10.45	1.76	22.6	123	113	50.0	51.0	30.2
22	1014495	13.04	2.75	25.4	148	135	60.5	64.0	35.1
26	1014510	17.58	3.19	27.4	165	154	72.0	65.0	37.3
32	1014538	26.00	6.00	35.1	215	194	96.0	96.0	44.0

4:1 Design Factor.

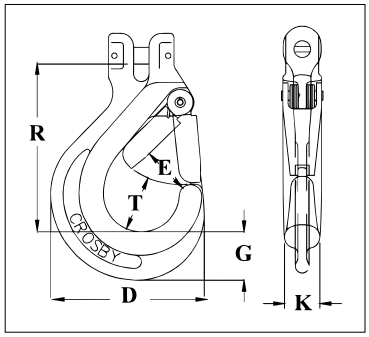
© 2025 Kito Crosby. All Rights Reserved.

Crosby

S-314A



- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Integrated heavy duty latch.
- Meets ASTM A-952 for Grade 80 chain fittings.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



S-314A Clevis Chain Hook with Integrated Latch

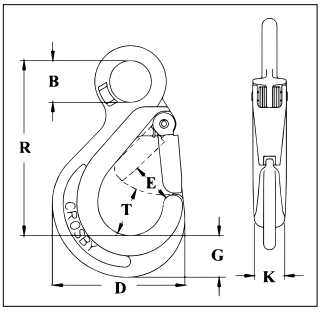
Chain Size (in)	Chain Size (mm)	Stock No.	Grade 8 Alloy Chain Working Load Limit (t)	Weight Each (kg)	Dimensions (mm) D	E	G	K	R	T	Replacement Latch Stock No.
–	6	1225020	1.12	.32	66.0	20.6	20.0	16.0	72.3	26.0	1291332
1/4 - 5/16	7 - 8	1225021	2	.70	89.0	27.4	28.0	20.5	98.0	32.6	1291402
3/8	10	1225091	3.15	1.29	110.5	36.1	29.3	24.0	125.3	42.2	1291472
1/2	13	1225161	5.3	2.34	138.5	38.6	42.1	29.5	144.5	49.2	1291542
5/8	16	1225162	8	3.67	166.5	48.5	52.0	38.0	172.6	58.9	1291612

4:1 Design Factor.

S-315A



- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Crosby recommends grinding the WLL (which is 5:1 Design Factor) off the hook when using with Grade 80 chain.
- Integrated heavy duty latch.
- Engineered flat for use with S-1325A Coupler Link.
- Meets ASTM A-952 for Grade 80 chain fittings.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



S-315A Eye Chain Hook with Integrated Latch

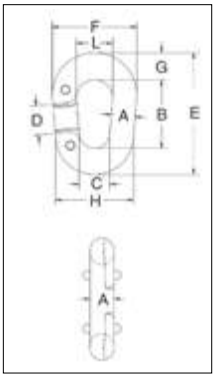
Chain Size (in)	Chain Size (mm)	Stock No.	Grade 8 Alloy Chain Working Load Limit (t)	Working Load Limit for Wire Rope (short Tons)	Weight Each (kg)	Dimensions (mm) B	D	E	G	K	R	T	Replacement Latch Stock No.
-	6	1029820	1.12	1	.25	20.1	66.0	20.6	20.1	16.0	84.5	25.9	1291332
1/4 - 5/16	7 - 8	1029825	2	2	.59	27.9	89.0	27.4	27.9	20.6	117	32.5	1291402
3/8	10	1029830	3.15	3	1.18	36.1	110	36.1	29.5	23.9	157	42.2	1291472
1/2	13	1029835	5.3	5	2.13	46.0	138	38.6	42.4	29.5	186	49.3	1291542
5/8	16	1029840	8	7	3.88	56.0	167	48.5	52.0	38.1	227	59.0	1291612

4:1 Design Factor for Grade 80 Alloy Chain, 5:1 Design Factor for wire rope.

G-334



- Forged steel - Quenched & Tempered.
- Has larger inside dimensions making it easier to attach hooks or other fittings to the chain.
- An exclusive Crosby product.
- After making connections, rivets must be peened.
- Not suitable for use with Grade 80 or Grade 100 chain and chain slings used in overhead lifting.



G-334 Pear Shape "Missing Link"® Replacement Links

Chain Size (mm)	Stock No.	Working Load Limit (t)	Weight Per 100 (kg)	Dimensions (mm) A	B	C	D	E	F	G	H	L
10	1013432	.84	11.3	10.4	51.0	14.2	20.6	74.5	41.4	11.9	35.1	20.6
13	1013450	1.50	22.7	12.7	63.5	17.5	25.4	92.0	51.0	14.2	42.9	25.4
16	1013478	2.27	34.0	16.0	70.0	20.6	26.9	102	60.5	16.0	52.5	28.7
19	1013496	3.22	56.7	19.1	79.5	25.4	28.7	121	70.0	20.6	63.5	31.8
22	1013511	4.35	90.7	22.4	93.5	31.8	35.1	141	82.5	23.9	76.0	38.1

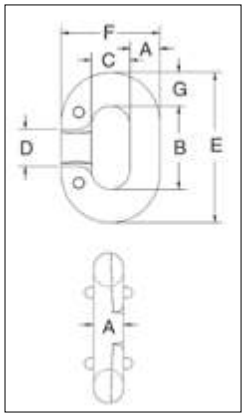
4:1 Design Factor.

© 2025 Kito Crosby. All Rights Reserved.

G-335



- Forged steel - Quenched & Tempered.
- Integral rivets join the two halves.
- After making connections, rivets must be peened.
- All sizes have countersunk rivet holes.
- Meets or exceeds the performance requirements of Federal Specifications RR-C-27IG, Type II, except for those provisions required of the contractor.
- Not suitable for use with Grade 80 or Grade 100 chain and chain slings used in overhead lifting.



Q&T

G-335 "Missing Link"® Replacement Links

Chain Size (in)	Stock No.	Working Load Limit (t)	Links Per Box	Weight Per 100 (kg)	Dimensions (mm)						
					A	B	C	D	E	F	G
*7	1013110	.60	10	2.83	7.10	22.4	11.2	11.2	38.1	25.4	7.85
10	1013156	1.25	10	9.07	10.4	28.7	14.2	14.2	52.5	35.1	11.9
11	1013174	1.65	10	12.5	11.9	32.5	15.0	15.0	59.5	38.9	13.5
13	1013192	2.15	10	17.0	13.5	37.3	16.8	16.8	67.5	43.7	15.0
16	1013236	3.30	10	32.9	16.8	46.0	19.8	20.6	84.0	53.0	19.1
19	1013254	4.65	10	55.5	19.8	54.0	23.9	26.9	98.5	63.5	22.4
22	1013272	5.45	Bulk	79.5	23.1	63.5	28.7	28.7	114	74.5	25.4
† 26	1013290	7.00	Bulk	113	26.2	70.0	31.8	31.8	127	84.0	28.7

4:1 Design Factor. *Rivets Only - No interlocking lugs. †Has reinforced rivet holes.

6

SLING IDENTIFICATION TAG KITS



Stamped ID Tags

- Stamped ID Tags
- Octagonal metal sling tag.
- Pre-stamped - easy to add sling length, Working Load
- Limit, name, etc.
- Front side is shown - reverse is blank.
- Available with or without welded attached ring.
- Attaching ring size is 5mm x 50mm.
- Available completely blank for wire rope sling applications.
- Gold painted.

ID Tag Stock No.	Carton Qty.	Weight Per Carton (kg)
115244	50	10.55

ID Tags

- Heavy Duty tags.
- 33 mm diameter ring opening (will fit 6mm - 16mm A-1337).
- Chain tags meet requirements of ASME B30.9 for Sling Identification.
- Raised edge and recessed pads to protect lettering.
- Raised lettering for quick reference.

Operating Frequency: 13.5MHz

Stock No.	Style	Material Type	RFID Equipped	Tag Size (mm)	Weight Each (kg)
115369	Chain	Cast Stainless Steel	Yes	160 x 42	.21
115350	Wire Rope	Cast Stainless Steel	Yes	43 x 33.3	.03
115217	Chain	Forged Steel	No	146 x 48	.18
115353	Chain	Stamped Zinc Plated Steel	Yes	5-3/4 x 1-5/8	.29
115355	Wire Rope	Stamped Zinc Plated Steel	Yes	1-11/16 x 1-5/16	.04
1224692	Zip Tie	High Crystalline Polyamide	Yes	193.675	1.4

© 2025 Kito Crosby. All Rights Reserved.

GUNNEBO® Industries

HOW IT'S MADE: GUNNEBO INDUSTRIES HOOKS

Take an exclusive behind-the-scenes look at how our innovative line of hooks are manufactured at the Kito Crosby factory in Växjö, Sweden.



WATCH VIDEO

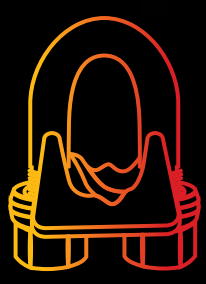
KITO CROSBY™

kitocrosby.com/hookfactory



WIRE ROPE END FITTINGS

A full line of quality, time-tested forged fittings and accessories for wire rope applications



kitocrosby.com

WIRE ROPE END FITTINGS

FORGED FOR CRITICAL APPLICATIONS

The proper performance of forged clips depends on proper manufacturing practices that include good forging techniques and accurate machining. Forged clips provide a greater rope bearing surface and more consistent strength than malleable cast iron clips. Fist Grip clips provide a saddle for both the “live” and the “dead” end. Fewer forged clips are required for each termination than with malleable cast iron clips. Forged clips reduce the possibility of hidden defects that are sometimes present in malleable cast iron clips. Malleable cast iron clips should only be used in non-critical applications. ASME, OSHA, and ASTM recommend only forged clips for critical applications.

Questions to ask your rigging provider

Is the clip forged?

Is an adequate cradle provided in the clip base for the wire rope?

Malleable cast iron clips are sometimes improperly used as replacements for forged clips.

Why choose Crosby

Crosby forged Red U-Bolt® Clips and forged Fist Grip clips meet or exceed Federal Specification Number FF-C-450E and are considered the industry standard.

FULL LINE

The proper application of forged clips requires that the correct type, size, number, and installation instructions be used (See APPLICATION INFORMATION below for more information). Availability of a full range of sizes of forged U-bolt clips and forged Fist Grip clips are essential for design flexibility.

Questions to ask your rigging provider

Do they have both Fist Grip and U-bolt clips available?

Do they have a full range of forged wire rope clip sizes?

Malleable No competitor has the full line of forged U-Bolt clips and Fist Grip clips that Crosby has.

Why choose Crosby

Only Kito Crosby provides forged Red U-Bolt® Clips from 3mm to 65mm and forged Fist Grip clips from 5mm to 140mm.

* The 68mm to 72mm, 85mm to 90mm base is a steel casting.

IDENTIFICATION

The clip’s size, manufacturer’s logo, and a traceability code should be clearly embossed in the forging of the clip. These three elements are essential in developing total confidence in the product.

Questions to ask your rigging provider

Is the manufacturer’s name and size of clip clearly marked?

Do Do they have a traceability system that is actively used in the manufacturing process?

Most do not have a traceability system.

Why choose Crosby

Kito Crosby clearly embosses the Crosby logo, the size, and the Product Identification Code (PIC) into all Crosby Red U-bolt® Clip bases and Fist Grip clips. Our traceability system is actively used throughout the manufacturing of forged clips. The material analysis for each heat of steel is verified within our own laboratory.

APPLICATION INFORMATION

Detailed application information will assist you in the proper installation of wire rope clips. This information is most effective when provided at the point of application, as well as in supporting brochures and engineering information. The manufacturer must provide this specific information. Generic information will not provide all the needed application instructions. A formal application and warning system that attracts the attention of the user, clearly informs the user of the factors involved in the task, and informs the user with the proper application procedures as needed.

Questions to ask your rigging provider

Does each clip have the application and warning information?

Most competitors do not have application and warnings information with each clip.

Why choose Crosby

Kito Crosby provides detailed application and warning information for all forged clips. Each clip is individually bagged or tagged with the application and warning information. Testing and evaluation of special applications can be performed upon special request.

© 2025 Kito Crosby. All Rights Reserved.

CROSBY VALUE ADDED

- **Full line:** Kito Crosby provides both forged Crosby Red U-Bolt Clips and forged Fist Grip Clips.
- **Forged:** Crosby Red U-Bolt Clips have forged bases on all sizes, except 70mm and 89mm base is a steel casting. The entire clip is galvanized to resist corrosive and rusting action. Clip sizes 3mm through 40mm have U-Bolts with rolled threads which enhance the strength of the material and fatigue properties.
- **Forged:** Fist Grip Clips are forged, and the entire clip is galvanized. The double saddle design eliminates the possibility of incorrect installation. Designed as an integral part of the clip, the bolts are opposite one another (see G-429 example below). As result, the nuts can be installed in such a way as to enable the operator to swing the wrench in a full arc for ease of installation.
- **Application information:** Application and warning information is available for both Crosby Red U-Bolt Clips and Fist Grip Clips. The Crosby Warning System is designed to attract the attention of the user, clearly inform the user of the factors involved in the task, and provide the user with proper application procedures. Each Crosby Red U-Bolt Clip and Fist Grip Clip is either bagged or tagged with appropriate application and warning information, thus ensuring that the information is available at the point of application for each and every clip during installation.
- **Material analysis:** Kito Crosby can provide certified material (mill) analysis for each production lot, traceable by the Product Identification Code (PIC). Kito Crosby, through its own laboratory, verifies the analysis of each heat of steel.
- **Testing:** Kito Crosby periodically audits the termination efficiencies of the Red U-Bolt Clips and Fist Grip Clips. Upon special request, Kito Crosby will determine the efficiencies of clip assemblies when applied to special rope constructions and special applications.

G-450



G-429



S-421T



S-423T



G-416



G-417



S-409



S-505



S-501



S-502



G-411



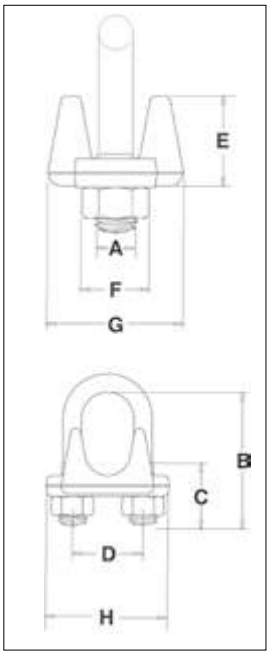
© 2025 Kito Crosby. All Rights Reserved.

G-450
Red U-Bolt® Clip



- Each base has a Product Identification Code (PIC) for material traceability, the name Crosby or "CG," and a size forged into it.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 3mm through 22mm sizes, and 90% for sizes 24mm through 90mm.
- Entire clip is galvanized to resist corrosive and rusting action.
- Sizes 3mm through 62mm and 75mm have forged bases.
- All clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 38mm have rolled threads.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Look for the Red U-Bolt®, your assurance of genuine Crosby Clips.

APPLICATION AND WARNING INFORMATION
SECTION 17



G-450 Crosby Clips

Rope Size (in)	Rope Size (mm)	Stock No.	Std. Package Qty.	Weight Per 100 (kg)	Dimensions (mm) A	B	C	D	E	F	G	H
1/8	3-4*	1010015	100	2.72	5.60	18.3	11.2	11.9	10.4	9.65	20.6	23.9
3/16*	5*	1010033	100	4.54	6.35	24.6	14.2	15.0	12.7	11.2	23.9	29.5
1/4	6-7	1010051	100	8.62	7.85	26.2	12.7	19.1	16.8	14.2	30.2	36.6
5/16	8	1010079	100	12.7	9.65	35.1	19.1	22.4	18.3	17.5	33.3	42.9
3/8	9-10	1010097	100	21.8	11.2	38.1	19.1	25.4	23.1	19.1	41.4	49.3
7/16 - 1/2	11-13	1010131	50	80	12.7	47.8	25.4	30.2	28.7	22.4	48.5	57.9
9/16 - 5/8	14-16	1010177	50	110	14.2	57.2	31.8	33.3	34.0	23.9	52.3	63.5
3/4	18-20	1010195	25	64	15.7	70.0	36.6	38.1	35.8	26.9	57.0	72.0
7/8	22	1010211	25	96	19.1	79.0	41.1	44.5	40.4	31.8	62.0	80.5
1	24-26	1010239	10	114	19.1	89.0	46.0	47.8	45.2	31.8	67.0	88.0
1-1/8	28-30	1010257	10	128	19.1	98.5	51.0	51.0	48.5	31.8	71.5	91.0
1-1/4	32-34	1010275	10	199	22.4	108	54.0	59.4	55.5	36.6	79.5	105
1-3/8	36	1010293	10	200	22.4	118	58.5	59.4	58.5	36.6	79.5	106
1-1/2	38	1010319	10	247	22.4	125	60.5	66.5	62.0	36.6	86.5	113
1-5/8	41-42	1010337	Bulk	319	25.4	135	66.5	70.0	67.5	41.4	92.0	121
1-3/4	44-46	1010355	Bulk	424	28.7	146	70.0	77.5	74.5	46.0	97.0	134
2	48-52	1010373	Bulk	590	31.8	164	76.0	86.0	77.0	51.0	113	149
2-1/4	56-58	1010391	Bulk	726	31.8	181	81.0	98.5	81.0	51.0	114	162
2-1/2	62-65	1010417	Bulk	862	31.8	195	87.5	105	93.5	51.0	119	168
** 2-3/4	** 68-72	1010435	Bulk	1043	31.8	211	90.5	111	124	51.0	127	175
3	75-78	1010453	Bulk	1406	38.1	233	98.5	121	119	60.5	149	194
** 3-1/2	** 85-90	1010426	Bulk	1814	38.1	273	114	140	152	60.5	157	213

*Electro-plated U-Bolt and Nuts. ** 70mm and 89mm base is made of cast steel.

© 2025 Kito Crosby. All Rights Reserved.

G-429
Fist Grip® Clip
5mm - 16mm

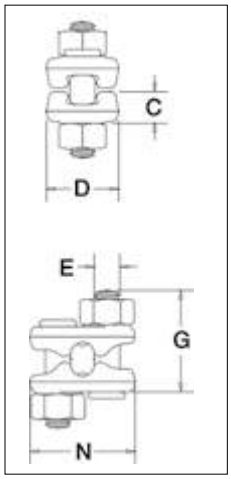


- Entire clip is galvanized to resist corrosive and rusting action.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 5mm through 22mm sizes, and 90% for sizes 24mm through 40mm.
- Bolts are an integral part of the saddle. Nuts can be installed in such a way as to enable the operator to swing the wrench in a full arc for fast installation.
- All sizes have forged steel saddles.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Assembled with standard heavy hex nuts.

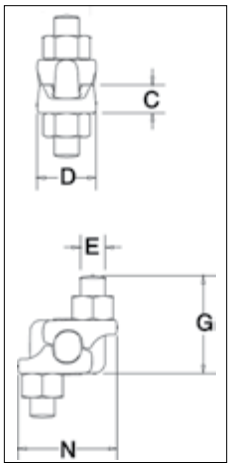
G-429
Fist Grip®,Clip
19mm - 38mm



5mm - 16mm



19mm - 38mm



G-429 Fist Grip® Clips

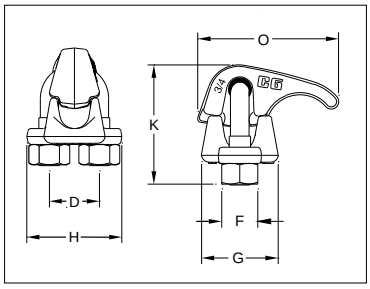
Rope Size (in)*	Rope Size (mm)	Stock No.	Std. Package Qty.	Weight Per 100 (kg)	Dimensions (mm) C	D	E	G	N
3/16 - 1/4	5-7	1010471	100	10.4	10.2	23.9	9.65	32.5	36.6
5/16	8	1010499	100	12.7	11.9	26.9	9.65	37.3	39.1
3/8	10	1010514	50	18.1	13.0	26.9	11.2	46.0	45.2
7/16 - 1/2	11-13	1010532	50	28.1	15.0	31.8	12.7	55.5	54.6
9/16 - 5/8	14-16	1010550	50	46.7	18.3	38.1	16.0	68.5	65.3
3/4	18-20	1010578	25	79.0	21.8	46.0	19.1	74.5	67.8
7/8	22	1010596	25	102	24.6	53.8	19.1	84.0	72.6
1	24-26	1010612	10	136	28.7	57.0	19.1	94.5	77.7
1-1/8	28-30	1010630	10	181	32.5	60.5	22.4	107	87.4
1-1/4	32-34	1010658	10	181	34.0	63.5	22.4	108	90.4
1-3/8 - 1-1/2	36-40	1010676	Bulk	318	39.6	76.0	25.4	141	105

* Sizes through 16mm incorporate new style design.

APPLICATION AND WARNING INFORMATION
SECTION 17

G-460
Soft Eye
Bundle Clip
(For use without Thimble)

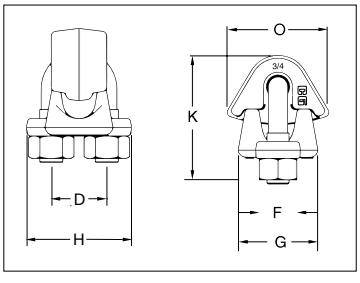




- Forged bases and bundle clip adapters.
- All bundle clips are individually bagged or tagged with proper application instructions and warning information.
- Bundle Clip Adapter for Soft Eye (G4460) and for Thimble Eye (G4461) kits available.
- Meets or exceeds all requirements of ASME B30.26 including manufacturing ID and size requirements. Importantly, these wire rope bundle clips meet material traceability not addressed by ASME B30.26.

G-461
Thimble
Eye Bundle Clip





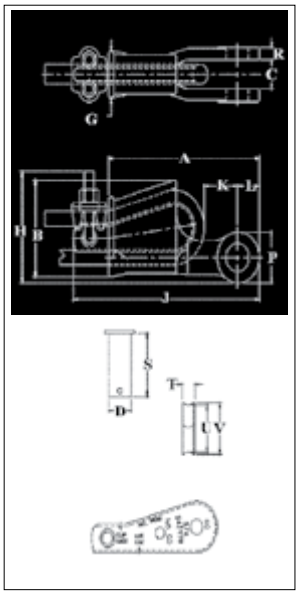
G-460 Soft Eye / G-461 Thimble Eye Bundle Clip

Rope Size (in)	Rope Size (mm)	Bundle Clip Style	Stock No.	Dimensions (mm) D	F	G	H	K	O	Weight each (kg)
3/4	18-20	G460	1010509	38.1	26.9	57.2	72.1	88.9	105	1.1
3/4	18-20	G461	1010619	38.1	26.9	57.2	72.1	88.9	72.4	1.1

© 2025 Kito Crosby. All Rights Reserved.

S-421T





- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS rules for conditions of classification, Part 1 2017 Steel Vessels and ABS guide for certification of lifting appliances 2017 available. Certificates available when requested at time of order and may include additional charges.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or dead end of the wire rope to the wedge, thus eliminates loss or punch out of the wedge.
- Eliminates the need for an extra piece of rope and is easily installed.
- The Terminator wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the wedge, is left undeformed.
- Incorporates Crosby's patented QUIC-CHECK® 'Go' and 'No-Go' feature cast into the wedge. The proper size rope is determined when the following criteria are met:
  - 1) The wire rope should pass through the 'Go' hole in the wedge.
  - 2) The wire rope should NOT pass through the 'No-Go' hole in the wedge.
- Utilizes standard Crosby Red U-Bolt® wire rope clip.
- Available with bolt, nut, and cotter pin: S-421TB.
- US patent 5,553,360, Canada patent 2,217,004, and foreign equivalents.
- Meets the performance requirements of EN 13411-6.
- Available with API-2C certification upon request.
- Wedge sockets meet the performance requirements of Federal specification RR-S-550F, Type C, except those provisions required of the contractor.
- The S-423T Super Terminator wedge is designed to be assembled only into the Crosby S-421T Terminator socket body. Important: The S-423TW for sizes 14mm through 28mm (5/8" through 1-1/8") will fit respective size standard Crosby S-421T basket. The 30-32mm (1-1/4") S-423TW will only fit the Crosby S-421T 1-1/4" basket marked with Terminator.

APPLICATION AND WARNING INFORMATION
SECTION 17

S-421T WEDGE SOCKETS (Assembly includes socket, wedge, pin and wire rope clip)

Wire Rope Dia. (in)	Wire Rope Dia. (mm)	Assembly w/ Round Pin Stock No.	Assembly w/ Bolt/Nut/Cotter Stock No.	Weight Each (kg)	Replacement Wedge Stock No.	Replacement Round Pin Kit Stock No.	Replacement Bolt/Nut/cotter Kit Stock No.
3/8	9-10	1035000	1035203	1.50	1035555	1085723	2038971
1/2	11-13	1035009	1035212	2.77	1035564	1085724	2038972
5/8	14-16	1035018	1035221	4.76	1035573	1085725	2038974
3/4	18-19	1035027	1035230	7.44	1035582	1085726	2038976
7/8	20-22	1035036	1035249	11.2	1035591	1085727	2038978
1	24-26	1035045	1035258	16.1	1035600	1085728	2038980
1-1/8	28	1035054	1035267	22.1	1035609	1085729	2038982
1-1/4	30-32	1035063	1035276	32.4	1035618	1085730	2038984

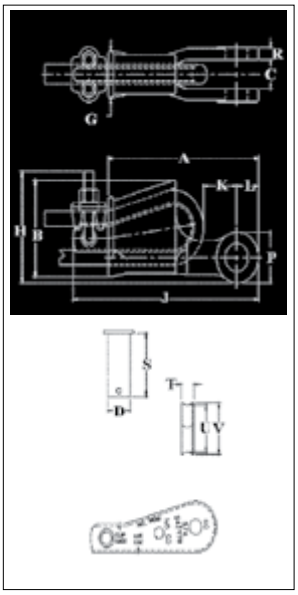
Wire Rope Dia. (in)	Wire Rope Dia. (mm)	Assembly w/ Round Pin Stock No.	Assembly w/ Bolt/Nut/Cotter Stock No.	Dimensions (mm)													
				A	B	C +/- 2.29	D	G	H	J*	K*	L	P	R	S	T	U	V
3/8	9-10	1035000	1035203	145	69.1	20.6	20.6	35.1	77.7	198	47.8	22.4	39.6	11.2	54.1	11.2	31.8	35.1
1/2	11-13	1035009	1035212	175	88.1	25.4	25.4	41.1	95.5	226	32.0	26.9	49.3	12.7	65.0	13.5	44.5	47.8
5/8	14-16	1035018	1035221	210	109	31.8	30.2	53.8	114	273	50.5	31.0	57.2	14.2	82.6	17.5	51.0	55.5
3/4	18-19	1035027	1035230	251	130	38.1	35.1	62.0	134	314	61.2	35.6	66.8	16.8	92.2	19.8	59.5	65.0
7/8	20-22	1035036	1035249	286	149	44.5	41.4	68.5	156	365	63.0	42.4	79.5	19.1	109	22.4	68.5	74.5
1	24-26	1035045	1035258	325	161	51.0	51.0	74.7	177	414	77.2	51.0	95.5	22.4	119	26.2	73.0	83.5
1-1/8	28	1035054	1035267	365	176	57.0	57.0	84.0	194	466	65.0	57.0	108	25.4	138	27.9	82.6	90.5
1-1/4	30-32	1035063	1035276	415	222	66.5	63.5	90.5	239	520	74.7	59.5	114	26.9	156	30.2	117	125

* Nominal **note:** For intermediate wire rope sizes, use next larger size socket.

© 2025 Kito Crosby. All Rights Reserved.

US-422T





- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Basket is cast steel and individually magnetic particle inspected.
- Wedges are color coded for easy identification.
  - Blue - largest wire line size for socket.
  - Black - mid size wire line for socket.
  - 11mm on US4
  - 14mm on US5
  - Orange - smallest wire line size for socket.
- By simply changing out the wedge, each socket can be utilized for various wire line sizes (ensure correct wedge is used for wire rope size).
- Cast into each wedge is the model number of the socket and the wire line size for which the wedge is to be used.
- Load pin is forged and headed on one end.
- US-422T wedge sockets contain a hammer pad (lip) to assist in proper securement of termination.
- Incorporates Crosby's patented QUIC-CHECK® 'Go' and 'No-Go' feature cast into the wedge. The proper size rope is determined when the following criteria are met:
- 1) The wire rope should pass through the 'Go' hole in the wedge.
- 2) The wire rope should NOT pass through the 'No-Go' hole in the wedge.
- Available with API-2C certification upon request.
- UWO-422T Wedges are to be used only with the US-422T Wedge Socket Assemblies.

7

QUIC-CHECK®

APPLICATION AND WARNING INFORMATION
SECTION 17

US-422T Utility Wedge Sockets

Model No.	Wire Rope Size (in)	Wire Rope Size (mm)	Stock No.	Weight Each (kg)	Replacement Wedge Stock No. UWO-422T	Replacement Round Pin Kit Stock No. G-4080	Dimensions (mm) A	B	C +/- 2.29	D	G	H	J	K	L	P	R	S	T	U	V
US4T	3/8	10	1044300	2.09	1047310	1085724	173	90.2	25.4	25.4	41.4	71.4	214	35.1	26.9	49.3	12.7	64.3	11.2	48.5	54.4
US4T	7/16	11	1044309	2.09	1047301	1085724	173	90.2	25.4	25.4	41.4	71.4	222	27.4	26.9	49.3	12.7	64.3	13.5	44.7	47.8
US4T	1/2	13	1044318	2.09	1047329	1085724	173	90.2	25.4	25.4	41.4	71.4	222	25.9	26.9	49.3	12.7	64.3	13.5	44.7	47.8
US5T	1/2	13	1044327	3.86	1047338	2022513	233	107	35.8	31.8	54.1	84.1	284	46.7	38.1	76.2	16.0	82.6	19.1	48.8	54.9
US5T	9/16	14	1044336	3.86	1047347	2022513	233	107	35.8	31.8	54.1	84.1	291	61.0	38.1	76.2	16.0	82.6	17.5	50.8	55.4
US5T	5/8	16	1044345	3.86	1047356	2022513	233	107	35.8	31.8	54.1	84.1	291	59.4	38.1	76.2	16.0	82.6	17.5	50.8	55.4
US6T	5/8	16	1044354	4.26	1047365	2022513	240	119	38.1	31.8	56.9	92.2	303	63.0	38.1	76.2	14.2	82.6	22.4	60.5	69.9
US6T	3/4	19	1044363	4.26	1047374	2022513	240	119	38.1	31.8	56.9	92.2	300	51.6	38.1	76.2	14.2	82.6	22.4	54.1	66.8
US8AT	5/8	16	1044372	7.94	1047383	2022513	269	144	46.0	41.4	60.5	140	335	48.5	38.9	73.2	19.1	105	17.5	82.8	88.9
US8AT	3/4	19	1044381	7.94	1047392	2022513	269	144	46.0	41.4	60.5	148	344	60.5	38.9	73.2	19.1	105	19.8	79.2	85.9
US7*	7/8	22	1038580	7.48	1046674	1085727	286	130	33.3	31.8	68.3	—	—	65.0	41.4	82.8	16.8	82.6	26.9	53.8	65.0
US7*	1	25	1038589	7.48	1046683	1085727	286	130	33.3	31.8	68.3	—	—	65.0	41.4	82.8	16.8	82.6	26.9	47.8	60.5
US8T	7/8	22	1044404	9.44	1047425	1085727	324	177	46.0	41.4	77.7	183	407	72.9	41.9	79.2	19.1	105	22.4	98.6	106
US8T	1	25	1044417	9.44	1047431	1085727	324	177	46.0	41.4	77.7	186	417	58.9	41.9	79.2	19.1	105	26.2	95.5	103
US10T	1-1/8	28	1044426	21.1	1047440	1085727	405	219	46.0	41.4	90.7	232	501	82.8	55.6	111	19.1	105	27.7	121	129
US10T	1-1/4	32	1044435	21.1	1047459	1085727	405	219	46.0	41.4	90.7	239	514	71.9	55.6	111	19.1	105	30.2	117	125
US11T	1-1/8	28	1044444	27.5	1047468	1085730	415	222	66.5	63.5	90.4	232	507	85.6	59.4	114	26.9	156	27.7	121	129
US11T	1-1/4	32	1044453	29.4	1047477	1085730	415	222	66.5	63.5	90.4	239	520	74.7	59.4	114	26.9	156	30.2	117	125

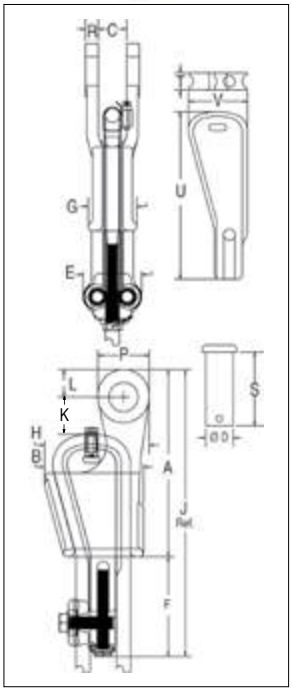
* Non-Terminator Style.

© 2025 Kito Crosby. All Rights Reserved.

Crosby®

S-423T





- The 423T wedge socket terminations have a minimum efficiency rating on most high-performance, high-strength, compacted-strand, rotation-resistant wire ropes of 80% based on the catalog breaking strength of the various ropes.
- Design eliminates the difficulty of properly seating the wedge with high performance wire rope into a wedge socket termination.
- Proper application of the Super Terminator eliminates the 'first load' requirement of conventional wedge socket terminations.
- S-423TW Wedge Kit can be retrofitted onto existing Crosby S-421T Terminator Wedge Sockets.
- Wedge and accessories provided with a zinc finish.
- Meets the performance requirements of EN13411-6.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or dead end of the wire rope to the wedge, thus eliminates loss or punch out of the wedge.
- Eliminates the need for an extra piece of rope, and is easily installed.
- The Terminator wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the tension device, is left undeformed.
- Available with bolt, nut, and cotter pin: S-423TB.
- Available with API-2C certification upon request.
- Wedge sockets meet the performance requirements of Federal Specification RR-S-550F, Type C, except those provisions required of the contractor.
- The S-423T Super Terminator wedge is designed to be assembled only into the Crosby S-421T Terminator socket body. Important: The S-423TW for sizes 14mm through 28mm will fit respective size standard Crosby S-421T basket. The 30-32mm S-423TW will only fit the Crosby S-421T 30-32mm basket marked with Terminator.

Assembly includes socket, wedge, pin, wire rope clip, tensioner, bolts and secondary retention wire.

APPLICATION AND WARNING INFORMATION
SECTION 17

S-423T WEDGE SOCKETS

Wire Rope Dia.		Assembly w/Round Pin Stock No.	Assembly w/Bolt/Nut/Cotter Stock No.	Weight Each (kg)	Replacement Wedge Kit Stock No.	Replacement Round Pin Kit Stock No.	Replacement Bolt/Nut/cotter Kit Stock No.
(in)	(mm)	S-423T	S-423TB		S-423TW	G-4080	G-4082
5/8	14- 16	1035123	1034018	5.8	1034018	1085725	2038974
3/4	18-19	1035132	1034027	8.8	1034027	1085726	2038976
7/8	20-22	1035141	1034036	13.1	1034036	1085727	2038978
1	24-26	1035150	1034045	17.8	1034045	1085728	2038980
1-1/8	28	1035169	1034054	25.9	1034054	1085729	2038982
1-1/4	30-32	1035178	1034063	40.2	1034063	1085730	2038984

**Kit contains wedge, wire rope clip and bolts, tensioner bolt, and secondary retention wire.

Wire Rope Dia.		S-423T Stock No.	Dimensions (mm)																
(in)	(mm)		A	B	C	D	E	F	G	H	J*	K	L	P	R	S	T	U	V
5/8	14- 16	1035123	210	114	31.8	30.2	76.2	103	54.1	117	313	28.0	31.0	57.2	14.2	82.6	19.1	175	66.0
3/4	18-19	1035132	251	132	38.1	35.1	82.6	122	62.0	136	373	38.0	35.6	66.5	16.8	92.2	22.4	194	76.7
7/8	20-22	1035141	286	149	44.5	41.4	96.8	146	68.3	156	431	40.5	42.4	79.5	19.1	109	25.4	241	88.1
1	24-26	1035150	325	167	50.8	50.8	96.8	146	74.7	179	471	36.5	51.1	95.3	22.4	119	28.7	264	97.0
1-1/8	28	1035169	365	176	57.2	57.2	102	174	85.9	198	539	28.5	57.4	108	25.4	138	31.8	300	107
1-1/4	30-32	1035178	415	219	66.5	63.5	114	197	90.7	238	612	38.0	59.4	114	26.9	168	35.1	352	148

* Nominal note: For intermediate wire rope sizes, use next larger size socket.

© 2025 Kito Crosby. All Rights Reserved.

Wire Rope Lubricant

Vitalife® products are the preferred wire rope lubricants in the industry because of their ability to penetrate into wire rope and displace water and contaminants, thus reducing wear and corrosion throughout the rope.

- Available in a variety of container sizes.
- Provides inner strand preservation and lubricity.
- Allows for easy visual inspection of the ropes.
- Reduces the friction between the strands of the wire rope, thus extending rope life.
- Adheres to surface of strands, forming an outer film which provides excellent corrosive protection.
- Non-tacky (will not attract dust)
- Vitalife® in aerosol form is a regulated dangerous good. See MSDS sheet for shipping instructions.
- Vitalife® Bio-Lube has been developed especially for environmentally friendly applications.
- Vitalife® 500 has been developed exclusively for ski lifts and tramways.

VITALIFE® 400
12 OZ.



VITALIFE® 410 BIO-LUBE
12 OZ.



VITALIFE® 400
5 GALLON



VITALIFE® 400
55 GALLON



Vitalife® Type	Container Size	Stock No.	Weight Each (kg)
Vitalife® 400 (Standard)	12 Ounce	1038946	1.00
	5 Gallon	1038955	41.0
	55 Gallon	1038964	420
Vitalife® 410 BIO-LUBE (Environmentally Friendly)	12 Ounce	1039004	1.00
	5 Gallon	1039013	41.0
	55 Gallon	1039022	420
Vitalife® 500 (Ski Lifts and Tramways)	5 Gallon	1038973	41.0
	55 Gallon	1038982	420

SPRAY APPLICATORS BACKPACK SPRAYER
4 GALLON



VSP Vitalife® Spray Applicators

- Designed and manufactured to work in the rugged field conditions of the construction industry.
- All applicator seals are specially designed to work with Vitalife® 400 and BIO-LUBE products.

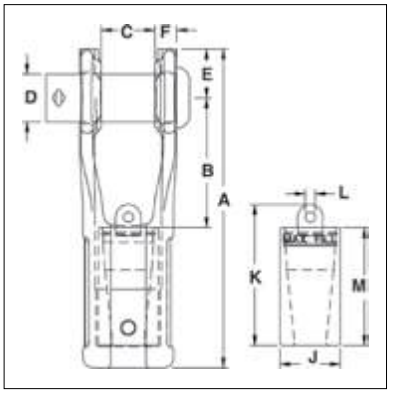
Description	VSP Stock No.	Weight Each (kg)
15 Liter Backpack Sprayer	1039092	5.3

© 2025 Kito Crosby. All Rights Reserved.

SB-427



- Available in six sizes from 13mm - 38mm.
- Button Spelter terminations have a 100% efficiency rating, based on the catalog strength of the wire rope.
- Designed for use with mobile cranes. Can be used to terminate high performance, rotation resistant ropes, and standard 6 strand ropes.
- Easy to install assembly utilizes Crosby WIRELOCK® socketing compound.
- Sockets and buttons are re-usable.
- Replacement buttons and sockets are available.
- Locking feature available to prevent rotation of rope.
- Button contains cap with eye that can be attached to, and used to pull, rope during reeving process.
- Manufactured to the requirements of API-2C.



APPLICATION AND WARNING INFORMATION
SECTION 17

SB-427 Button Spelter Sockets & SB-427TB (Bolt, Nut and Cotter Pin)

Wire Rope Dia.		Assembly w/Round Pin Stock No.	Assembly w/Bolt/Nut/ Cotter Stock No.	Weight Each	Replacement Button Kit Stock No.	Replacement Round Pin Kit Stock No.	Replacement Bolt/Nut/cot-ter Kit Stock No.	WIRELOCK Stock No.	WIRELOCK Kit Size (cc)	WIRELOCK Required (cc)
(in)	(mm)	SB-427	SB-427TB	(kg)	427B	G-4080	G-4082			
1/2 - 5/8	13-16	1052005	1052406	2.76	1052309	1083188	2036572	1039602	100	35
5/8 - 3/4	16-19	1052014	1052415	4.67	1052212	48276	2038976	1039602	100	60
3/4 - 7/8	19-22	1052023	1052424	7.75	1052221	1083222	2038978	1039602	100	100
7/8 - 1	22-26	1052032	1052433	13.24	1052230	1083240	2037295	1039602	100	140
1-1/8 - 1-1/4	28-32	1052041	1052442	20.86	1052249	1083268	2038983	1039604	250	250
1-3/8 - 1-1/2	35-38	1052050	1052451	35.38	1052258	1083287	2038987	1039606	500	420

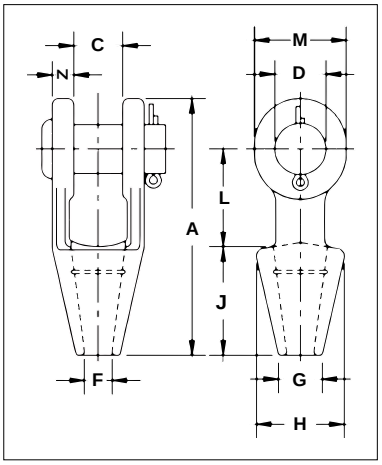
Wire Rope Size		Assembly w/Round Pin Stock No.	Assembly w/Bolt/Nut/ Cotter Stock No.	Dimensions (mm)									
(in)	(mm)	SB-427	SB-427TB	A	B	C ± 2.29	D	E	F	J	K	L	M
1/2 - 5/8	13-16	1052005	1052406	202	82	33	30	31	14	38	89	6	74
5/8 - 3/4	16-19	1052014	1052415	240	99	39	35	37	17	44	109	10	87
3/4 - 7/8	19-22	1052023	1052424	275	112	45	41	43	19	52	121	10	101
7/8 - 1	22-26	1052032	1052433	327	139	52	51	51	23	62	143	16	115
1-1/8 - 1-1/4	28-32	1052041	1052442	378	144	64	57	64	28	75	180	19	145
1-3/8 - 1-1/2	35-38	1052050	1052451	459	182	77	70	70	31	92	205	19	172

© 2025 Kito Crosby. All Rights Reserved.

G-416 / S-416



- Forged steel sockets through 38mm, cast alloy steel 40mm through 102mm.
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.
- All cast steel sockets 40mm and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Available with bolt nut and cotter: G-416B.
- Open Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type A, except for those provisions required of the contractor.



G-416 / S-416 Open Spelter Sockets

Rope Diameter		Structural Strand Dia. (mm)	Ultimate Load (t)	Assembly w/Round Pin Stock No.		Assembly w/Bolt/Nut/ Cotter Stock No.		Weight Each (kg)	Replacement Round Pin Kit Stock No.		Replacement Bolt/Nut/cotter Kit Stock No.
(in)	(mm)			G-416 Galv.	S-416 S.C.	G-416B Galv.	S-416B S.C.		G-4080	S-4080	G-4082
5/16-3/8	8-10	—	12	1039637	1039646	1044818	1042009	.59	1085723	1083142	2038971
7/16-1/2	11-13	—	20	1039655	1039664	1044827	1042018	1.02	1085724	1083160	2038972
9/16-5/8	14-16	12-13	27	1039673	1039682	1044836	1042027	1.63	1085725	1083188	2038975
3/4	18	14-16	43	1039691	1039708	1044845	1042036	2.64	1085726	1083204	2038976
7/8	20-22	18-19	55	1039717	1039726	1044854	1042045	4.38	1085727	1083222	2039086
1	24-26	20-22	78	1039735	1039744	1044863	1042054	7.03	1085728	1083240	2038980
1-1/8	28-30	24-26	92	1039753	1039762	1044872	1042063	9.75	1085729	1083268	2038982
1-1/4 - 1-3/8	32-35	28	136	1039771	1039780	1044881	1042065	14.1	1085730	1083286	2038984
1-1/2	38	30-32	170	1039799	1039806	1044890	1042074	21.4	1085731	1083302	2038987
* 1-5/8	* 40-42	33-35	188	1039815	1039824	1044906	1042083	24.9	1085756	1085765	2039087
* 1-3/4 - 1-7/8	* 44-48	36-40	268	1039833	1039842	1044915	1042092	37.2	1085774	1085783	2038989
* 2 - 2-1/8	* 50-54	42-45	291	1039851	1039860	1044924	1042101	59	1085792	1085809	2038990
* 2-1/4 - 2-3/8	* 56-60	46-48	360	1039879	1039888	1044933	1042110	76	1085818	1085827	2038992
* 2-1/2 - 2-5/8	* 64-67	50-54	424	1041633	1041642	1044942	1042120	114	1085736	1085845	2038993
* 2-3/4 - 2-7/8	* 70-73	56-62	511	1041651	1041660	1044951	1042129	143	1085854	1085863	2038994
* 3 - 3-1/8	* 75-80	64-67	563	1041679	1041688	1044960	1042138	172	1085872	1085881	2038995
* 3-1/4 - 3-3/8	* 82-86	70-73	722	1041697	1041704	1044969	1042147	197	1085890	1085907	2038996
* 3-1/2 - 3-5/8	* 88-92	76-80	779	1041713	1041722	1044978	1042156	255	1085916	1085925	2038997
* 3-3/4 - 4	* 94-102	—	875	1041731	1041740	1044997	1042165	355	1085934	1085943	2038998

Rope Diameter		Stock No.	Dimensions (mm)										
(in)	(mm)	G-416	A	C	Tolerance C ±	D	F	G	H	J	L	M	N
5/16-3/8	8-10	1039637	123	20.6	1.52	20.6	12.7	20.6	42.9	57.0	44.5	38.1	11.2
7/16-1/2	11-13	1039655	141	25.4	1.52	25.4	14.2	23.9	47.8	63.5	51.0	47.8	12.7
9/16-5/8	14-16	1039673	171	31.8	1.52	30.2	17.5	28.7	57.0	76.0	63.5	57.0	14.2
3/4	18	1039691	202	38.1	1.52	35.1	20.6	31.8	66.5	89.0	76.0	66.5	15.7
7/8	20-22	1039717	235	44.5	1.52	41.4	23.9	38.1	82.5	102	89.0	79.5	20.3
1	24-26	1039735	268	51.0	1.52	51.0	28.7	44.5	95.5	114	102	95.5	22.4
1-1/8	28-30	1039753	300	57.0	3.05	57.0	31.8	51.0	105	127	117	105	25.4
1-1/4 - 1-3/8	32-35	1039771	335	63.5	3.05	63.5	38.1	57.0	121	140	127	121	28.7
1-1/2	38	1039799	384	76.0	3.05	70.0	41.4	70.0	133	152	152	137	30.2
* 1-5/8	* 40-42	1039815	413	76.0	3.05	76.0	44.5	76.0	140	165	165	146	33.3
* 1-3/4 - 1-7/8	* 44-48	1039833	464	89.0	3.05	89.0	51.0	79.5	162	191	178	165	39.6
* 2 - 2-1/8	* 50-54	1039851	546	102	3.05	95.5	57.0	95.5	187	216	229	178	46.0
* 2-1/4 - 2-3/8	* 56-60	1039879	597	114	3.05	108	63.5	102	210	229	254	197	54.0
* 2-1/2 - 2-5/8	* 64-67	1041633	648	127	3.05	121	73.0	114	235	248	274	216	60.5
* 2-3/4 - 2-7/8	* 70-73	1041651	692	133	6.35	127	79.0	124	267	279	279	229	73.0
* 3 - 3-1/8	* 75-80	1041679	737	146	6.35	133	86.0	133	282	305	287	241	76.0
* 3-1/4 - 3-3/8	* 82-86	1041697	784	159	6.35	140	92.0	146	302	330	300	254	79.0
* 3-1/2 - 3-5/8	* 88-92	1041713	845	171	6.35	152	98.5	165	314	356	318	274	82.5
* 3-3/4 - 4	* 94-102	1041731	921	191	6.35	178	108	184	346	381	343	318	89.0

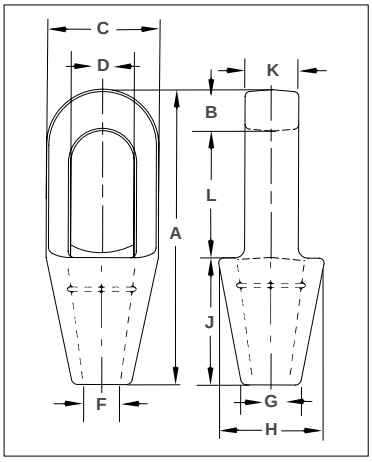
*Cast alloy steel.

© 2025 Kito Crosby. All Rights Reserved.

G-417 / S-417



- Forged steel sockets through 38mm, cast alloy steel 40mm through 102mm.
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.
- All cast steel sockets 40mm and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Closed Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type B, except for those provisions required of the contractor.



G-417 / S-417 Closed Spelter Sockets

Rope Dia.		Structural Strand Dia.	Ultimate Load	Stock No.		Weight Each	Dimensions (mm)									
(in)	(mm)	(mm)	(t)	G-417 Galv.	S-417 S.C.	(kg)	A	B	C	D*	F	G	H	J	K	L
5/16 - 3/8	8-10	—	12.0	1039913	1039922	.34	125	15.8	42.9	24.6	12.7	20.6	42.9	57.2	17.5	52.3
7/16 - 1/2	11-13	—	20.0	1039931	1039940	.68	140	17.5	51.0	29.5	14.2	23.9	51.0	63.5	22.4	58.7
9/16 - 5/8	14-16	12-13	30.8	1039959	1039968	1.13	162	20.6	67.0	35.8	17.5	30.2	67.0	76.2	25.4	65.0
3/4	18	14-16	43.5	1039977	1039986	1.92	194	26.9	76.2	42.2	22.4	33.3	70.0	89.0	31.8	77.7
7/8	20-22	18-19	65.3	1039995	1040000	3.28	226	33.3	92.0	49.3	25.4	38.1	82.5	102	38.1	90.5
1	24-26	20-22	81.6	1040019	1040028	4.76	254	36.6	105	58.5	28.7	44.5	95.5	114	44.5	103
1-1/8	28-30	24-26	100	1040037	1040046	6.46	283	39.6	114	65.0	31.8	51.0	105	127	51.0	116
1-1/4 -1-3/8	32-35	28	136	1040055	1040064	8.95	309	41.4	127	71.0	38.1	58.5	119	138	56.5	129
1-1/2	38	30-32	170	1040073	1040082	13.24	355	49.3	137	81.0	41.4	70.5	132	151	62.5	155
† 1-5/8	† 40-42	33-35	188	1040091	1040108	16.32	390	54.0	146	82.5	44.5	76.2	140	165	70.0	171
† 1-3/4 - 1-7/8	† 44-48	36-40	268	1040117	1040126	25.96	445	55.5	171	95.5	51.0	79.5	162	191	76.2	198
† 2 - 2-1/8	† 50-54	42-45	309	1040135	1040144	35.83	505	62.0	194	111	57.2	95.5	187	216	82.5	224
† 2-1/4 - 2-3/8	† 56-60	46-48	360	1040153	1040162	47.62	546	70.0	216	127	66.8	105	210	229	92.0	248
† 2-1/2 - 2-5/8	† 64-67	50-54	424	1041759	1041768	63.50	597	79.5	241	140	74.5	114	235	248	102	270
† 2-3/4 - 2-7/8	† 70-73	56-62	549	1041777	1041786	99.79	645	79.5	273	159	79.5	124	259	279	124	286
† 3 - 3-1/8	† 75-80	64-67	656	1041795	1041802	125	689	85.6	292	171	86.0	133	292	305	133	298
† 3-1/4 - 3-3/8	† 82-86	70-73	750	1041811	1041820	142	743	102	311	184	92.0	146	311	330	146	311
† 3-1/2 - 3-5/8	† 88-92	76-80	820	1041839	1041848	181	787	102	330	197	98.5	160	330	356	159	330
† 3-3/4 - 4	† 94 - 102	—	1005	1041857	1041866	246	845	108	362	216	108	184	362	381	178	356

* Diameter of pin must not exceed pin used on companion 416 socket. Reference adjacent page "D" dimension. † Cast alloy steel.

© 2025 Kito Crosby. All Rights Reserved.

RESIN FOR SPELTER SOCKETS

Note: For use on 416, 417, 427 and 517 spelter sockets only.



WIRELOCK®
Socketing Compound

- 100% termination efficiency.
- Temperature operating range is -54°C to +116°C (-65°F to +240°F).
- Ideal for on-site applications.
- No hazardous molten metal.
- Improved fatigue life.
- Pouring temperature without booster pack is 6.67°C to 43.3°C (48°F to 110°F).
- One booster pack if pouring temperature is 1.67°C to 8.89°C (35°F to 48°F).
- Two booster packs if pouring temperature is -2.78°C to +1.67°C (27°F to 35°F).
- Refer to Crosby® Wire Rope End Terminations Manual for more information.
- Storage temperature is 20°C (68°F) max. Store in well ventilated area away from sunlight and sources of ignition.



7

APPROVALS:

Lloyds Register of Shipping

Det Norske Veritas (DNV)

United States Coast Guard

Registro Italiano Navale

Germanischer Lloyd

United States Navy

American Bureau of Shipping

ISO 17.558

DNV-OS-E304

NATO Numbers:

100cc	8030-21-902-1823
250cc	8030-21-902-1824
500cc	8030-21-902-1825
1000cc	8030-21-902-1826

Witnessed and tested by American Bureau of Shipping. (ABS)

Approximate U.S. Measurements:
250cc's Kit 1 Cup

WIRELOCK® W416-7 Socket Compound

W416-7 Kits				Booster Pak
Kit Size	Kit Per Case	Stock No.	Weight Each (kg)	Stock No.
100	20	1039602	.28	1039603
250	12	1039604	.57	1039605
500	12	1039606	1.15	1039607
1000	12	1039608	2.08	1039609
2000	6	1039610	4.08	1039611

Guide to amount WIRELOCK® Required

Wire Rope Size		WIRELOCK Required	Wire Rope Size		WIRELOCK Required
(in)	(mm)	(cc)	(in)	(mm)	(cc)
1/4	6-7	9	1-3/4	44	700
5/16	8	17	1-7/8	48	700
3/8	9-10	17	2	51	1265
7/16	11	35	2-1/8	54	1265
1/2	13	35	2-1/4	56	1410
9/16	14	52	2-3/8	60	1410
5/8	16	52	2-1/2	64	1830
3/4	20	86	2-5/8	67	1830
7/8	22	125	2-3/4	70	2250
1	26	160	3	76	3160
1-1/8	28	210	3-1/4	82	3795
1-1/4	32	350	3-1/2	88	4920
1-3/8	36	350	3-3/4	94	5980
1-1/2	40	420	4	102	7730
1-5/8	42	495	—	—	—

Wirelock is a hazardous material regulated by US DOT, ICAO/IATA and IMO for transportation.

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

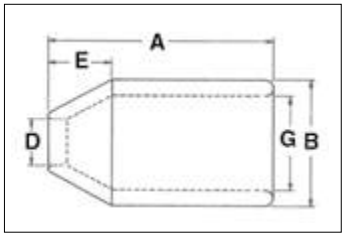
S-505
Swaging Sleeve





Cross Section of Swaged Sleeve

- For flemish eye wire rope splicing.
- Designed for low temperature toughness.
- Resists cracking when swaged (equals or exceeds stainless steel sleeves).
- Special processed low carbon steel.
- COLD TUFF® for better swageability.
- Can be stamped for identification after swaging without concern for fractures when following these directions:
  - Use round corner stamps to a maximum depth of 1.38mm.
  - The area for stamping should be on the side of the sleeve in the plane of the sling eye, and no less than 7mm from either end of the sleeve.
- Standard steel sleeve terminations have efficiency ratings as follows based on the catalog strength of wire rope.
- Do not use on wire rope size other than size shown.



S-505 Termination Efficiency		
Size (mm)	Type of Wire Rope *	
	IWRC	FC
6 - 26	96%	93%
28 - 52	92%	89%
56 and Larger	90%	87%

Intermediate Metric Die Chart

Sleeve and Swaging Die Requirements for Intermediate Sizes of Metric Wire Rope							
S-505 Stock No.	S-505 Sleeve Size	Metric Wire Rope Size (mm)	Standard Round Dies				Maximum After Swage Dimension (mm)
			1st Stage Die		2nd Stage Die		
1041143	1/2	12	1190881	5 x 7 Double Cavity	—		25.1
1041223	7/8	20	1190901	5 x 7 Double Cavity	—		41.1
1041241	1	24	1190921	5 x 7 Double Cavity	—		47.8
1041321	1-1/2	36	1192649	5 x 7	1190941	5 x 7	66.8
1041349	1-3/4	40	1192685	5 x 7	1190961	5 x 7	74.9
1041367	2	48	1192729	5 x 7	1190971	5 x 7	87.9
1041401	2-1/2	60	1192809	5 x 7	1190981	5 x 7	111
1041401	2-1/2	60	1191061	6 x 12	1190991	6 x 12	111
1041447	3	72	1193201	6 x 12	1191001	6 x 12	122
1041483	3-1/2	80	1193247	6 x 12	1191101	6 x 12	138
1041483	3-1/2	84	1193247	6 x 12	1191121	6 x 12	141

QUIC-PASS® system not available for these metric rope sizes. Note: Fittings designed only to be used on exact sizes listed.

** NOTE: S-505 Standard Sleeves are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope. Before using any National Swage fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive and documented to prove the adequacy of the assembly to be manufactured.

© 2025 Kito Crosby. All Rights Reserved.

S-505 COLD TUFF® Standard Steel Sleeves

S-505 Standard Steel Sleeve Specifications												Swager / Die Data		
	Rope Size				Before Swage Dimensions (mm)					Maximum After Swage Dimensions (mm)		Standard Round Dies		QUIC-PASS® Dies
S-505 Stock No.	(in)	(mm)	Weight Per 100 (kg)	Pkg. Qty.	A	B	D	E	G	Standard Die	QUIC-PASS Die	Die Description	Standard Die Stock No.	QUIC-PASS Die Stock No.
1041063	1/4	6-7	3.60	250	25.4	16.8	7.88	7.12	11.9	14.5	14.4	1/4 Taper	1197528	1923530
1041090	5/16	8	4.08	200	38.1	23.1	11.2	11.2	15.8	19.1	19.5	3/8 Taper	1192364	1923551
1041107	3/8	9-10	5.44	100	38.1	23.1	11.9	9.91	16.8	19.1	19.5	3/8 Taper	1192364	1923551
1041125	7/16	11	13.6	50	51.0	31.0	14.0	16.5	21.6	25.7	25.8	1/2 Taper	1192408	1923572
1041143	1/2	13	13.2	50	51.0	31.0	16.0	14.2	23.1	25.7	25.8	1/2 Taper	1192408	1923572
1041161	9/16	14	30.8	25	70.0	37.3	17.5	16.0	26.2	31.5	31.7	5/8 Taper	1192444	1923593
1041189	5/8	16	25.9	25	70.0	37.3	19.1	16.0	27.7	31.5	31.7	5/8 Taper	1192444	1923593
1041205	3/4	18-19	40.0	20	81.0	43.7	23.1	21.3	32.5	37.1	37.5	3/4 Taper	1192462	1923614
1041223	7/8	22	62	10	90.5	51.5	26.2	25.4	38.9	42.7	44.1	7/8 Taper	1192480	1923635
1041241	1	25-26	89	10	102	58.0	29.5	28.6	43.7	49.0	49.7	1 Taper	1192505	1923656
1041269	1-1/8	28-29	118	Bulk	122	63.5	32.5	31.8	49.3	54.1	55.1	1-1/8 Open 1st Stage 2nd Stage	1192523 1192541	1923677
1041287	1-1/4	31-32	154	Bulk	132	70.5	36.5	35.8	55.0	58.9	61.1	1-1/4 Open 1st Stage 2nd Stage	1192621 1192587	1923698
1041303	1-3/8	34-35	195	Bulk	148	76.0	39.7	39.7	60.5	64.0	66.3	1-3/8 Open 1st Stage 2nd Stage	1192667 1192621	1923717
1041321	1-1/2	37-38	226	Bulk	159	82.5	42.9	42.9	67.0	69.0	72.0	1-1/2 Open 1st Stage 2nd Stage	1192649 1192667	1923736

Note: Fittings designed only to be used on exact sizes listed.

S-505 COLD TUFF® Standard Steel Sleeves

S-505 Standard Steel Sleeve Specifications											Swager / Die Data					
	Rope Size				Before Swage Dimensions (mm)					Maximum After Swage Dimensions (mm)		Stock No.				
												500 Tons 1000 Tons 1500 Tons 5x7	Front Load		Side Load	
S-505 Stock No.	(in)	(mm)	Weight Per 100 (kg)	Pkg. Qty.	A	B	D	E	G		Die Description		1500 Ton 6x12	3000 Ton 6x12	1500 Ton 6x12	3000 Ton 6x12
1041349	1-3/4	44-45	367	Bulk	184	97.5	49.2	50.0	79.5	78.7	1-3/4 Open 1st Stage 2nd Stage	1192685 1192701	—	—	—	—
1041367	2	50-52	510	Bulk	216	111	57.0	57.0	92.0	90.4	2 Open 1st Stage 2nd Stage	1192729 1192747	—	—	—	—
1041385	2-1/4	56-57	862	Bulk	243	128	63.5	64.5	102	105	2-1/4 Open 1st Stage 2nd Stage	1192765 1192783	1191089 1191043	1191089 1191043	—	1195085 1195067
1041401	2-1/2	62-64	1043	Bulk	267	140	70.0	71.5	114	114	2-1/2 Open 1st Stage 2nd Stage	—	1191061 1191089	1191061 1191089	1195370 1195469	1195076 1195085
1041429	2-3/4	68-70	1270	Bulk	292	146	76.0	78.5	121	119	2-3/4 Open 1st Stage 2nd Stage	—	1191034 1191052	1191034 1191052	1195389 1195478	1195094 1195101
1041447	3	75-76	1334	Bulk	305	152	82.5	86.0	127	126	3 Open 1st Stage 2nd Stage	—	1193201 1193229	1193201 1193229	1195398 1195487	1195110 1195129
1041483	3-1/2	87-89	2105	Bulk	356	178	98.5	100	148	147	3-1/2 Open 1st Stage 2nd Stage	—	1193247 1193265	1193247 1193265	—	1195138 1195147
1041492	3-3/4	93-95	2495	Bulk	381	191	103	108	160	158	3-3/4 Open 1st Stage 2nd Stage	—	—	1191114 1191132	—	1195263 1195272
1041508	4	100-105	3130	Bulk	406	206	111	114	173	170	4 Open 1st Stage 2nd Stage	—	—	1191150 1191178	—	1195156 1195165

Note: Fittings designed only to be used on exact sizes listed.

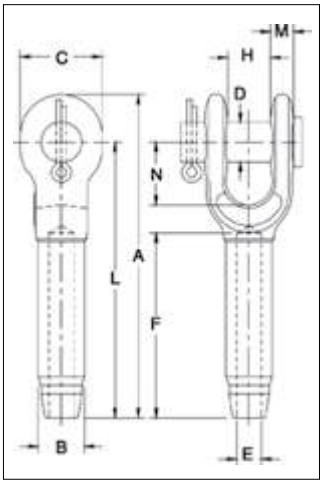
© 2025 Kito Crosby. All Rights Reserved.

Crosby

S-501



- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in Wire Rope End Terminations User's Manual).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper 'after swage' dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC-CHECK® and permanent visual inspection opportunity.
- S-501 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- In accordance with ASME B30.9, all slings terminated with swage sockets shall be proof loaded.*



QUIC-CHECK®

S-501 Open Swage Sockets

S-501 and S-501B Open Socket Specifications																		Swager / Die Stock No.			
		Rope Size				Before Swage Dimensions (mm)										Tol. +/-	Max. After Swage Dim. (mm)		Standard		
S-501 Stock No.	S-501B Stock No. †	(in)	(mm)	Wt. Each (kg)	Ultimate Load** (t)	A	B	C	D	E	F	H	L	M	N	H		Die Description	500 1000 1500 Ton 5 x 7	Replacement Round Pin Kit Stock No.	Replacement Bolt/Nut/cotter Kit Stock No.
1039021	1054001	1/4	6	0.24	5.4	122	12.7	35.1	17.5	6.85	54.0	17.5	102	9.65	38.1	1.52	11.7	1/4 Socket	1192845	1083124	1092209
1039049	1054010	5/16	8	0.51	11.8	159	19.6	41.1	20.6	8.65	81.0	20.6	135	11.9	44.5	1.52	18.0	5/16-3/8 Socket	1192863	1083142	1092227
1039067	1054029	3/8	9-10	0.59	13.6	159	19.6	41.1	20.6	10.4	81.0	20.6	135	11.9	44.5	1.52	18.0	5/16-3/8 Socket	1192863	1083142	1092227
1039085	1054038	7/16	11-12	0.94	18.1	198	24.9	51.0	25.4	12.2	108	25.4	170	14.2	51.0	1.52	23.1	7/16-1/2 Socket	1192881	1083160	1092245
1039101	1054047	1/2	13	0.94	21.3	198	24.9	51.0	25.4	14.0	108	25.4	170	14.2	51.0	1.52	23.1	7/16-1/2 Socket	1192881	1083160	1092245
1039129	1054056	9/16	14	2.12	31.8	241	31.8	60.5	30.2	15.5	135	31.8	207	17.3	57.0	1.52	29.5	9/16-5/8 Socket	1192907	1083188	1092272
1039147	1054065	5/8	16	2.05	34.9	241	31.8	60.5	30.2	17.0	135	31.8	207	17.3	57.0	1.52	29.5	9/16-5/8 Socket	1192907	1083188	1092272
1039165	1054074	3/4	18-20	3.62	43.5	294	39.4	70.0	35.1	20.3	162	38.1	254	20.3	70.0	1.52	36.1	3/4 Socket	1192925	1083204	1092290
1039183	1054083	7/8	22	5.23	51.5	341	43.2	79.5	41.1	23.9	189	44.5	295	23.9	82.5	1.78	39.4	7/8 Socket	1192943	1083222	1092316
1039209	1054092	1	24-26	8.07	71.4	393	50.5	93.5	51.0	26.9	216	51.0	340	26.9	95.5	2.03	45.7	1 Socket	1192961	1083240	1092334
1039227	1054104	1-1/8	28	11.5	83.3	440	57.0	105	57.0	30.2	245	57.0	381	30.2	108	2.54	52.0	1-1/8 Socket	1192989	1083268	1092361
1039245	1054113	1-1/4	32	16.1	109	484	64.5	117	63.5	33.8	272	63.5	419	31.0	119	2.54	58.5	1-1/4 Socket	1193005	1083286	2038985
1039263	1054122	1-3/8	34-36	19.8	136	532	71.0	127	63.5	36.8	297	63.5	461	35.1	133	2.07	65.0	1-3/8 Socket	1193023	1083286	2038986
1039281	1054131	1-1/2	38-40	26.5	181	589	78.0	140	70.0	40.1	325	76.0	502	43.2	145	2.54	71.5	1-1/2 Socket	1193041	1083302	1092414
1039307	1054140	1-3/4	44	40.3	228	676	86.0	170	89.0	47.2	378	89.0	584	53.6	171	2.54	77.5	1-3/4 Socket	1193069	1085541	1092441
1042767	1054159	2	48-52	66	272	799	100	203	95.5	53.5	432	102	683	60.0	203	2.54	90.5	2 Socket	1193087	1089985	1092450

S-501 and S-501B Open Socket Specifications				Swager / Die Stock No.				
		Rope Size			Standard		Side Load	
S-501 Stock No.	S-501B Stock No. †	(in)	(mm)	Die Description	500 Ton 1000 Ton 1500 Ton 5 x 7	1500 Ton 3000 Ton 6 x 12	1500 Ton 6 x 12	3000 Ton 6 x 12
1039281	1054131	1-1/2	38-40	1-1/2 Socket	1193041	1191267	1195355	1195192
1039307	1054140	1-3/4	44	1-3/4 Socket	1193069	1191276	1195367	1195209
1042767	1054159	2	48-52	2 Socket	1193087	1191294	1195379	1195218

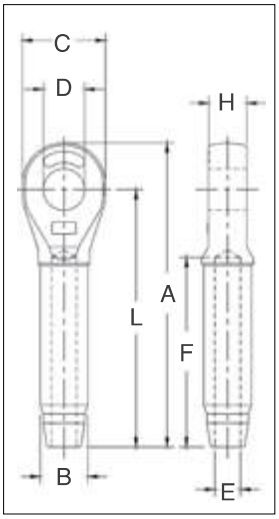
*Maximum Proof Load shall not exceed 50% of XXIP rope catalog breaking strength.** The Ultimate Loads of 3/4" through 1 1/4" sizes have been increased to meet the requirements for 8 strand 2160 Grade pendants.**† Assembly with bolt, nut and cotter pin. Note: Fittings designed only to be used on exact sizes listed.**
NOTE: Before using any Crosby fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured.

© 2025 Kito Crosby. All Rights Reserved.

S-502



- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in Wire Rope End Terminations User's Manual).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper 'after swage' dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC-CHECK® and permanent visual inspection opportunity.
- S-502 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- In accordance with ASME B30.9, all slings terminated with swage sockets shall be proof loaded.*



QUIC-CHECK®

7

S-502 Closed Swage Sockets

S-502 Closed Socket Specifications														Swager / Die Data			
	Rope Size				Before Swage Dimensions (mm)								Max. After Swage Dim. (mm)		Stock No.		Side Load	
S-502 Stock No.	(in)	(mm)	Wt. Each (kg)	Ultimate Load** (t)	A	B	C	D	E	F	H	L		Die Description	500 1000 1500 Ton 5 x 7	1500 3000 Ton 6 x 12	1500 Ton 6 x 12	3000 Ton 6 x 12
1039325	1/4	6	.15	5.4	109	13.0	35.1	19.3	6.9	55.6	12.2	88.9	11.7	1/4 Socket	1192845	-	-	-
1039343	5/16	8	.34	11.8	138	19.8	41.1	22.5	8.6	82.6	17.0	114	18.0	5/16-3/8 Socket	1192863	-	-	-
1039361	3/8	9-10	.33	13.6	138	19.8	41.1	22.5	10.3	82.6	17.0	114	18.0	5/16-3/8 Socket	1192863	-	-	-
1039389	7/16	11-12	.64	18.1	175	25.7	50.8	27.3	12.3	109	21.8	146	23.1	7/16-1/2 Socket	1192881	-	-	-
1039405	1/2	13	.64	21.3	175	25.7	50.8	27.3	13.9	109	21.8	146	23.1	7/16-1/2 Socket	1192881	-	-	-
1039423	9/16	14	1.32	31.8	218	32.3	60.5	32.5	15.5	137	28.2	184	29.5	9/16-5/8 Socket	1192907	-	-	-
1039441	5/8	16	1.29	34.9	218	32.5	60.5	32.5	17.1	137	28.2	184	29.5	9/16-5/8 Socket	1192907	-	-	-
1039469	3/4	18-20	2.27	43.5	260	39.9	73.2	38.1	20.2	164	33.0	219	36.1	3/4 Socket	1192925	-	-	-
1039487	7/8	22	3.08	51.5	301	43.4	79.2	43.9	24.1	192	38.1	256	39.4	7/8 Socket	1192943	-	-	-
1039502	1	24-26	4.72	71.4	344	50.8	91.9	53.6	27.0	217	44.5	292	45.7	1 Socket	1192961	-	-	-
1039520	1-1/8	28	6.72	83.3	382	57.4	102	59.9	30.2	245	50.8	324	52.1	1-1/8 Socket	1192989	-	-	-
1039548	1-1/4	32	9.78	109	430	64.5	114	66.5	33.7	272	55.6	365	58.4	1-1/4 Socket	1193005	-	-	-
1039566	1-3/8	34-36	12.9	136	472	71.6	127	66.5	36.8	298	57.2	400	65.0	1-3/8 Socket	1193023	-	-	-
1039584	1-1/2	38-40	17.3	181	511	78.5	137	72.9	40.1	325	63.5	432	71.4	1-1/2 Socket	1193041	1191267	1195355	1195192
1039600	1-3/4	44	23.1	228	598	86.6	159	92.2	47.2	379	76.2	508	77.7	1-3/4 Socket	1193069	1191276	1195367	1195209
1042589	2	48-52	40.5	272	689	101	184	98.6	53.6	433	82.6	584	90.4	2 Socket	1193087	1191294	1195379	1195218

Maximum Proof Load shall not exceed 50% of XXIP rope catalog breaking strength. *The Ultimate Loads of 3/4" through 1 1/4" sizes have been increased to meet the requirements for 8 strand 2160 Grade pendants. Note: Fittings designed only to be used on exact sizes listed.

NOTE: Before using any Crosby fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured.

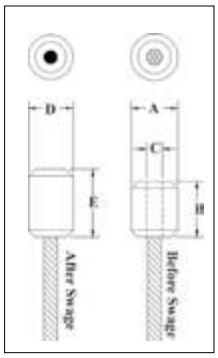
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

S-409



- Swage button terminations have an efficiency rating of 98% based on the catalog strength of wire rope.
- Special processed, low carbon steel.
- COLD TUFF® for better swageability.
- Stamp for identification after swaging without concern for fractures (as per directions in the Wire Rope End Terminations User's Manual).
- S-409 Buttons are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), RRL, FC or IWRC wire rope. Before using any National Swage fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured.



S-409 COLD TUFF® Buttons

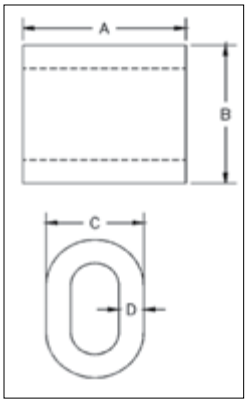
S-409 Steel Swage Button Specifications										Swager / Die Data	
		Rope Size			Before Swage Dimensions (mm)			After Swage Dimensions (mm)			
S-409 Stock No.	Size No.	(in)	(mm)	Weight Per 100 (kg)	A	B	C	D Maximum After Swage Dimensions	E Length*	Die Description	Stock No. 500 Tons 1000 Tons 1500 Tons 5 x 7
1040171	1 SB	1/8	3	.91	10.7	12.7	3.56	10.2	15.5	1/8 - 1/4 Button	1191621
1040215	3 SB	3/16	5	1.81	14.2	17.8	5.08	13.2	21.3	1/4 1st Stage	1197528
1040251	5 SB	1/4	6-7	3.63	17.3	26.9	7.87	14.7	33.5	1/8 - 1/4 Button	1191621
1040297	7 SB	5/16	8	7.26	22.4	28.7	9.14	19.6	33.8	3/8 1st Stage	1192364
1040313	8 SB	3/8	9-10	6.80	22.4	37.6	10.7	19.6	42.9	3/8 1st stage	1192364
1040331	9 SB	7/16	11	13.6	28.7	41.4	12.2	26.2	49.3	1/2 1st Stage	1192408
1040359	10 SB	1/2	13	22.7	33.3	48.0	14.0	29.5	55.1	5/8 Socket	1192907
1040377	11 SB	9/16	14	31.8	36.6	51.3	15.5	32.8	61.2	9/16 -5/8 Button	1191665
1040395	12 SB	5/8	16	45.4	39.6	61.5	17.0	36.1	73.4	3/4 Socket	1192925
1040411	13 SB	3/4	18-20	59	42.7	69.6	20.3	39.6	82.6	3/4 1st Stage	1192462
1040439	14 SB	7/8	22	100	50.8	83.1	23.9	45.7	98.0	7/8 1st Stage	1192480
1040457	15 SB	1	25-26	141	57.2	93.2	26.9	52.1	111	1 1st Stage	1192505
1040475	16 SB	1-1/8	28-29	204	65.0	103	30.2	58.4	122	1-1/8 1st Stage	1192523
1040493	17 SB	1-1/4	31-32	295	71.4	116	33.8	65.0	138	1-3/8 Socket	1193023

* NOTE: Length is measured from outside end of termination. Fittings designed only to be used on exact sizes listed.

S-506



- For turnback wire rope splicing.
- Special processed low carbon steel.
- Turnback terminations have efficiency ratings of 94% based on the catalog strength of wire rope.
- COLD TUFF® for better swageability and low temperature toughness.
- S-506 Sleeves are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), RRL, FC or IWRC wire rope. Before using any National Swage fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured.
- Resists cracking when swaged (equals or exceeds stainless steel sleeves).
- Stamp for identification after swaging without concern for fractures (as per directions in the Wire Rope End Termination User's Manual).



S-506 COLD TUFF® Duplex Non-Tapered Sleeves

S-506 Steel Duplex Non-Tapered Sleeve Specifications										Swager / Die Data	
	Rope Size				Before Swage Dimensions (mm)				Max. After Swage Dimensions (mm)		
S-506 Stock No.	(in)	(mm)	Weight Per 100 (kg)	Pkg. Qty.	A	B	C	D		Die Description	Stock No. 500 Tons 1000 Tons 1500 Tons 5 x 7
1039334	5/16	8	7.7	200	31.8	26.9	20.6	4.85	19.6	3/8 1st Stage	1192364
1039352	3/8	9-10	5.9	100	31.8	28.4	20.6	3.55	19.6	3/8 1st Stage	1192364
1039370	7/16	11	14.1	50	41.4	35.8	25.9	4.85	26.2	1/2 1st Stage	1192408
1039398	1/2	13	12.2	50	41.4	36.6	25.9	4.05	26.2	1/2 1st Stage	1192408
1039414	9/16	14	28.6	25	57.0	43.7	31.2	5.85	32.8	5/8 1st Stage	1192444
1039432	5/8	16	24.5	25	57.0	46.7	32.5	5.10	32.8	5/8 1st Stage	1192444
1039450	3/4	18-20	41.3	10	67.0	55.0	38.6	5.85	39.4	3/4 1st Stage	1192462
1039478	7/8	22	57	10	73.0	63.5	44.5	6.85	45.7	7/8 1st Stage	1192480
1039496	1	25-26	85	10	77.5	72.0	51.0	8.40	52.0	1 1st Stage	1192505
1039539	1-1/4	30-32	174	Bulk	103	89.0	63.5	9.65	65.0	1-3/8 Socket	1193023

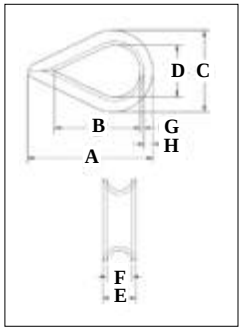
Note: Fittings designed only to be used on exact sizes listed.

© 2025 Kito Crosby. All Rights Reserved.

G-411



- Hot-dip galvanized steel.
- The standard choice for light duty loading conditions and applications.
- Meets the performance requirements of EN13411-1:2002.
- Meets the performance requirements of Federal Specification FF-T-276C Type II, except for those provisions required of the contractor.



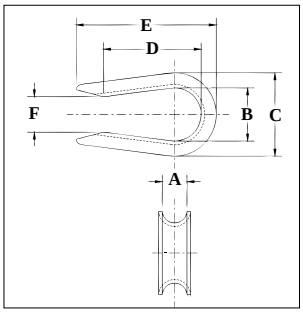
Standard Wire Rope Thimbles

Rope Diameter			Weight Per 100	Dimensions (mm)							
(in)	(mm)	Stock No	(kg)	A	B	C	D	E	F	G	H
1/8	3-4	1037256	1.59	49.3	33.3	26.9	17.5	6.35	4.05	1.25	3.30
3/16	5	1037274	1.59	49.3	33.3	26.9	17.5	7.85	5.60	1.25	3.30
1/4	6-7	1037292	1.59	49.3	33.3	26.9	17.5	9.65	7.10	1.25	3.30
5/16	8	1037318	1.81	54.0	38.1	31.8	20.6	11.2	8.65	1.25	3.30
3/8	9-10	1037336	3.04	60.5	41.4	37.3	23.9	13.5	10.4	1.50	4.06
1/2	11-13	1037354	5.67	70.0	47.8	44.5	28.7	17.5	13.5	2.05	4.83
5/8	16	1037372	15.7	89.0	57.0	60.5	35.1	23.1	16.8	3.30	8.64
3/4	18-20	1037390	21.4	95.5	63.5	68.5	41.4	27.4	19.8	3.55	8.64
7/8	22	1037416	38.4	127	89.0	81.0	47.8	32.3	23.9	4.05	11.2
1	24-26	1037434	44.2	145	108	95.5	63.5	35.3	26.9	4.05	10.4
1-1/8 - 1-1/4	28-32	1037452	79	159	114	109	70.0	44.5	33.3	5.60	12.7

G-408



- Hot-dip galvanized steel.
- Meets the performance requirements of EN13411-1:2002.
- Recommended for light duty applications where assembly into another fitting (i.e., shackle or master link) is required.



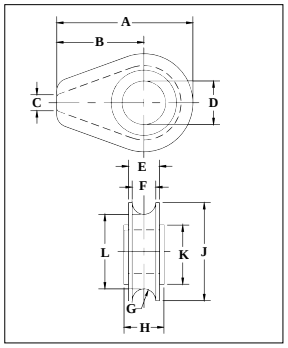
Open Pattern Thimbles

Rope Diameter			Weight Per 100	Dimensions (mm)					
(in)	(mm)	Stock No	(kg)	A	B	C	D	E	F
1/4	6-7	1037531	1.36	7.10	17.5	26.9	35.8	51.5	9.65
5/16	8	1037559	1.72	8.65	20.6	31.8	38.9	55.0	12.7
3/8	9-10	1037577	3.18	11.2	23.9	37.3	43.7	62.5	15.7
1/2	11-13	1037595	5.67	13.5	28.4	44.5	37.3	72.0	19.1
5/8	16	1037611	11.3	16.8	35.1	60.5	59.5	91.0	25.4

S-412



- Cast ductile iron.
- Fits pin for open wire rope socket, boom pendant clevis, and wedge socket.



Solid Wire Rope Thimbles

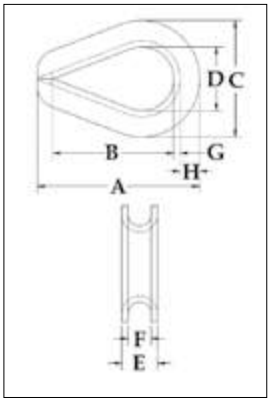
Rope Diameter			Weight Each	Dimensions (mm)										
(in)	(mm)	Stock No	(kg)	A	B	C	D	E	F	G	H	J	K	L
1/2	13	1037121	.28	71.5	44.5	6.35	26.9	19.1	14.2	7.10	22.4	54.0	41.4	39.6
5/8	16	1037149	1.00	119	76.0	9.65	33.3	26.9	20.6	10.4	28.7	86.0	57.0	65.0
3/4	18-20	1037167	1.05	119	76.0	9.65	38.1	26.9	20.6	10.4	35.1	86.0	57.0	65.0
7/8	22	1037185	2.47	154	97.0	12.7	44.5	35.1	26.9	13.5	41.4	114	82.5	87.5
1	24-26	1037201	2.38	154	97.0	12.7	54.0	35.1	26.9	13.5	46.0	114	82.5	87.5
1-1/8	28-30	1037229	4.21	184	116	16.0	60.5	44.5	33.3	16.8	52.5	137	98.5	103
1-1/4 - 1-3/8	32-35	1037247	4.45	184	116	16.0	67.0	49.3	38.9	19.8	58.5	137	98.5	105

© 2025 Kito Crosby. All Rights Reserved.

G-414



- Available in hot-dip galvanized or stainless steel (Type 304).
- Stainless steel recommended for more corrosive environments where greater protection is required.
- Greater protection against wear and deformation of the wire rope eye.
- Longer service life.
- Meets the performance requirements of Federal Specification FF-T-276C Type III, except for those provisions required of the contractor.
- Meets the performance requirements of EN13411-1:2002.



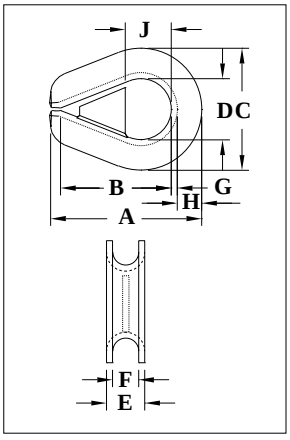
Extra Heavy Wire Rope Thimbles

Rope Diameter				Dimensions (mm)							
(in)	(mm)	G-414 Stock No	Weight Per 100 (kg)	A	B	C	D	E	F	G	H
1/4	6-7	1037639	2.95	55.5	41.4	38.1	22.4	11.2	7.10	1.50	5.85
5/16	8	1037657	5.35	63.5	47.8	46.0	26.9	14.0	8.65	2.05	7.10
3/8	9-10	1037675	9.80	73.0	54.0	54.0	28.7	16.8	10.4	2.80	8.65
7/16	11-12	1037693	15.7	82.5	60.5	60.5	31.8	18.8	11.9	3.30	9.65
1/2 - 9/16	13-15	1037719	23.1	92.0	70.0	70.0	38.1	23.4	13.5	3.55	10.4
5/8	16	1037755	34.3	108	82.5	79.5	44.5	26.2	16.8	4.05	12.7
3/4	18-20	1037773	72	127	95.5	96.5	51.0	33.0	19.8	5.60	16.8
7/8	22	1037791	81	140	108	108	57.0	37.3	23.9	5.60	19.1
1	24-26	1037817	142	156	114	125	63.5	44.5	26.9	6.35	22.4
1-1/8 - 1-1/4	28-32	1037835	181	178	130	149	73.0	47.8	33.3	6.35	28.7
1-1/4 - 1-3/8	32-35	1037853	402	230	165	173	89.0	57.2	36.6	9.65	28.7
1-3/8 - 1-1/2	35-38	1037871	587	229	159	181	89.0	66.5	39.6	12.7	28.7
1-5/8	40	1037899	771	286	203	207	102	76.2	43.7	12.7	35.1
1-3/4	44	1037915	805	310	229	216	114	77.7	46.7	12.7	33.3
1-7/8 - 2	48-52	1037933	1259	384	305	264	152	85.9	53.0	12.7	38.1
2-1/4	56	1037951	1792	435	356	302	178	98.6	60.5	16.0	41.4

G-414 SL



- Prevents the shackle from being removed and replaced in the field, which could compromise the certified integrity of the sling assembly.
- Available in got-dip galvanized. Crosby's shackle locking thimbles are galvanized after the welding of the wedge has been completed.
- Greater protection against wear and deformation of the wire rope eye.
- Longer service life.
- Meets the performance requirements of Federal Specification FF-T-276C Type III, except for those provisions required of the contractor.
- Meets the performance requirements of EN13411-1:2002



Extra Heavy Wire Rope Thimbles (Shackle-Loc)

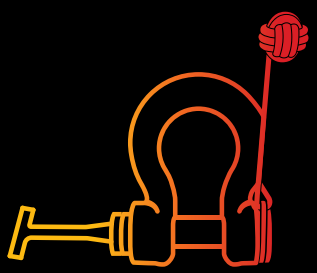
Rope Diameter			Weight Per 100 (kg)	Dimensions (mm)								
(in)	(mm)	Stock No		A	B	C	D	E	F	G	H	J
3/8	9-10	1036800	9.80	73.0	54.0	54.0	28.7	16.8	10.4	2.80	8.65	20.5
1/2 - 9/16	13-15	1036808	23.1	92.0	70.0	70.0	38.1	23.4	13.5	3.55	10.4	28.4
5/8	16	1036817	34.3	108	82.5	79.5	44.5	26.2	16.8	4.05	12.7	31.7
3/4	18-20	1036826	72	127	95.5	96.5	51.0	33.0	19.8	5.60	16.8	38.1
7/8	22	1036835	81	140	108	108	57.0	37.3	23.9	5.60	19.1	41.4
1	24-26	1036844	142	156	114	125	63.5	44.5	26.9	6.35	22.4	47.7
1-1/8 - 1-1/4	28-32	1036853	181	178	130	149	73.0	47.8	33.3	6.35	28.7	54.1
1-3/8 - 1-1/2	35-38	1036862	587	229	159	181	89.0	66.5	39.6	12.7	28.7	63.5

© 2025 Kito Crosby. All Rights Reserved.

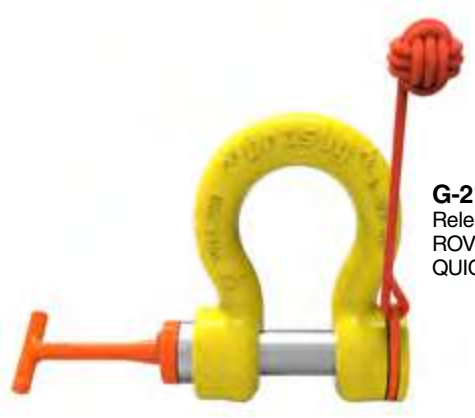


ROV

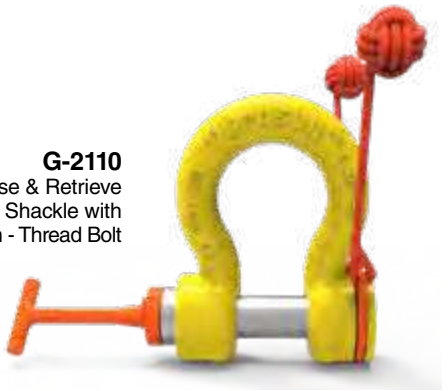
Safe, efficient, and highly visible subsea lifting and rigging hardware, designed for easy manipulation by ROVs



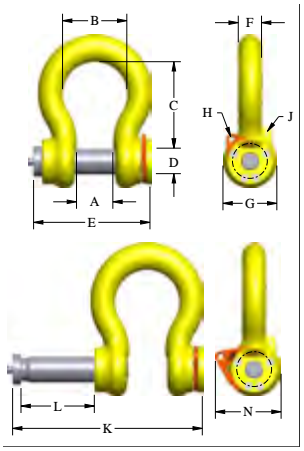
kitocrosby.com



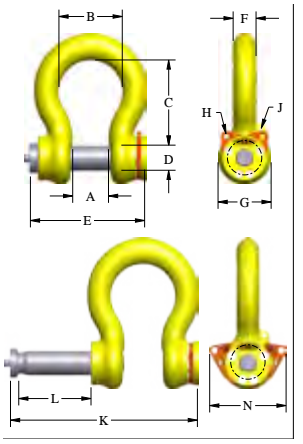
G-2100
Release & Retrieve
ROV Shackle with
QUIC-Thread Bolt



G-2110
Release & Retrieve
ROV Shackle with
Non - Thread Bolt



- Forged alloy bow with an industry best 6 to 1 performance design factor.
- Patented captured bolt can withstand over 907 kg (2,000 lb) of pull-out force.
- Galvanized bow with an API RP 17H color compliant coating.
- Galvanized alloy bolt (non-threaded) (G-2110)
- On average, QUIC-Thread bolt requires only 3.5 rotations for full engagement (G-2100)
- Raised pad for serialization.
- API RP 17H compliant 316 stainless steel handles available in T, D, F, and Eye models (sold separately).
- Built in eyelets for optional tether points.
- Monkey fist(s) included.
- Capacities from 9.5t through 85t.
- Forged steel, Quenched & Tempered, with alloy pins.
- Working Load Limit permanently shown on every shackle.
- QUIC-CHECK® deformation and angle indicators forged on the bow.



G-2100 ROV Release & Retrieve Shackle — QUIC-Threaded

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Retaining Ring Kit Stock No.
			A	B	C	D	E	F	G	H	J	K	L	N	
9.5	2038739	5.1	46.0	73.9	108	31.8	186	29.5	2.68	11.2	7.9	293	107	97.3	1020007
12	2038762	6.2	51.6	82.6	119	35.1	197	32.8	3.00	11.2	7.9	311	114	101	1020016
17	2038785	10.7	60.5	98.6	146	41.4	217	38.9	3.62	12.7	7.9	349	132	126	1020025
25	2038614	17.5	73.2	127	178	50.8	242	46.7	4.20	12.7	9.7	393	151	141	1020034
35	2038808	23.3	82.6	146	197	57.9	264	52.8	4.82	12.7	9.7	431	167	149	1020043
55	2038831	49	105	184	266	70.6	320	69.1	5.81	12.7	9.7	527	207	191	1020052
85	2038877	71	127	200	330	83.3	361	79.2	6.50	12.7	12.7	600	238	199	1020061

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

G-2110 ROV Release & Retrieve Shackle — Non-Threaded

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Retaining Ring Kit Stock No.
			A	B	C	D	E	F	G	H	J	K	L	N	
9.5	2038740	5.2	46.0	73.9	108	31.8	186	29.5	68.1	9.7	7.9	293	107	126	1020007
12	2038763	6.3	51.6	82.6	119	35.1	197	32.8	76.2	9.7	7.9	311	114	126	1020016
17	2038786	10.8	60.5	98.6	146	41.4	217	38.9	91.9	12.7	7.9	349	132	160	1020025
25	2038621	17.5	73.2	127	178	50.8	242	46.7	107	12.7	9.7	393	151	176	1020034
35	2038809	23.3	82.6	146	197	57.9	264	52.8	122	12.7	9.7	431	167	176	1020043
55	2038832	49	105	184	266	70.6	320	69.1	148	12.7	9.7	527	207	217	1020052
85	2038878	71	127	200	330	83.3	361	79.2	165	12.7	12.7	600	238	217	1020061

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.



"D" Handle



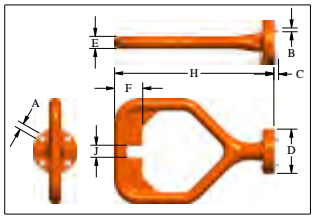
"F" Handle

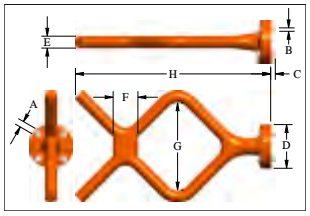


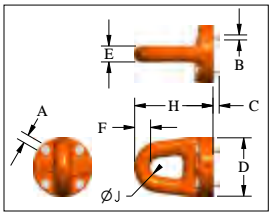
"Eye" Handle

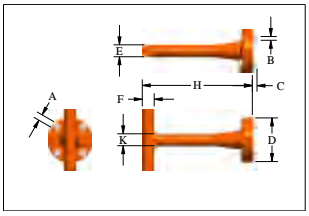


"T" Handle









- New Interchangeable handles for ROV shackle bolts.
- For use with G-2100 and G-2110 ROV shackles only.
- Handles are stainless steel and painted fluorescent orange.
- "D" and "F" handle kits available containing handle, retaining bolts, and individual packet of Loctite for easy installation.

G-42100H ROV Handles

Handle Style	Stock No.	Weight Each (kg)	Dimensions (mm)									
			A	B	C	D	E	F	G	H	J	K
D	1021324	10.0	7.1	6	7.4	70.0	19.1	44.5	128	251	19.1	–
F	1021315	11.1	7.1	6	7.4	70.0	19.1	44.5	140	312	–	–
T	1021306	5.4	7.1	6	7.4	70.0	19.1	19.1	97	157	–	19.1
Eye	1021333	4.7	7.1	6	7.4	70.0	19.1	19.1	–	93.7	21.8	–



Crosby G-2100 Release & Retrieve ROV Shackle with QUIC-Threaded Bolt
kitocrosby.com/ROV-threaded



Crosby G-2110 Release & Retrieve ROV Shackle with Non-Threaded Bolt
kitocrosby.com/ROV-non-threaded

© 2025 Kito Crosby. All Rights Reserved.

ROV Shackles

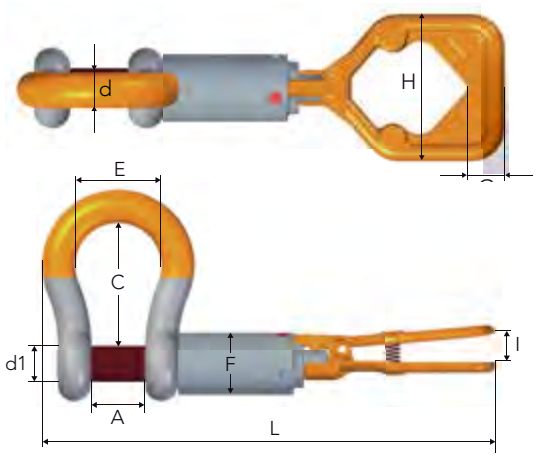
The ROV Retrieve Shackle is designed for smooth and easy use in retrieving and releasing subsea lifting and rigging operations. It has no loose parts in closed or opened position. Therefore there is no need for wires or monkey fists. The high visibility handles are close-die forged and has double safety functions. The shark tooth locking with indicator that will show if the shackle is in open or locked position as well as the spring loaded handle. The handle is the same size, regardless of size of shackle. The ROV Retrieve Shackle No. 861 is an easy to operate shackle, saving valuable time and money.



ROV Retrieve Shackle No 861

All shackles have unique markings.

- Dim. according to EN 13889
- High tensile steel, Quenched & Tempered
- All load bearing parts hot-dip galvanized
- Test certificate and traceable 3.1 certificate supplied upon request.
- Temperature: -40ºC to 200ºC

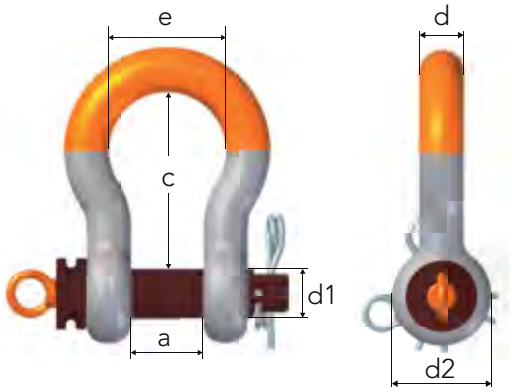


CE

Stock No.	WLL (t)	Design Factor	Dimensions (mm)										Weight (kg)
			d1	d	A	C	E	F	L	I	H	G	
A086128	9.5	6:1	32	28	46	108	74	60	440	31	132	33	6.5
A086132	12.0	6:1	35	32	52	119	83	60	460	31	132	33	8.0
A086138	17.0	6:1	42	38	60	146	98	63.5	501	31	132	33	10.0
A086145	25.0	6:1	50	45	74	178	127	70	565	31	132	33	15.7
A086152	35.0	6:1	57	50	83	197	138	76	604	31	132	33	20.0
A086164	55.0	6:1	70	65	105	260	180	88	712	31	132	33	42.0
A086176	85.0	5:1	83	84	133	330	190	108	745	31	132	33	78.3

© 2025 Kito Crosby. All Rights Reserved.

ROV Release Shackle No 863



- Equipped with bolt and two locking pins
- Dim. according to EN 13889
- High tensile steel, Quenched & Tempered
- All load bearing parts hot-dip galvanized
- 5:1 Design Factor
- Test certificate and traceable 3.1 certificate supplied on request.
- Temperature: -40ºC to 200ºC

CE

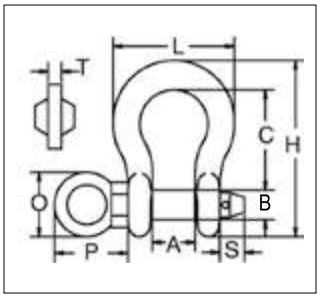
Stock No.	WLL (t)	Dimensions (mm)						Weight (kg)
		d1	d	a	c	d2	e	
A086322	6.5	25	22	37	84	52	58	1.6
A086328	9.5	32	28	46	108	64	74	3.4
A086332	12.0	35	32	52	119	72	83	5.0
A086338	17.0	42	38	60	146	84	98	7.8
A086345	25.0	50	45	74	178	105	127	13.9
A086352	35.0	57	50	83	197	127	138	17.0
A086364	55.0	70	65	105	260	152	180	37.0

8

G-209R



- Capacities from 6.5t through 55t.
- Forged steel, Quenched & Tempered, with alloy pins.
- Working Load Limit permanently shown on every shackle.
- Fatigue rated.
- QUIC-CHECK® deformation and angle indicators forged on the bow.
- All ROV shackle bows are galvanized, then painted fluorescent yellow.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-209R Subsea Shackles

Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)								
			A +/- 6.4	B	C	H	L	O	P	S	T
6.5	1020872	1.69	36.6	25.4	84	148	102	50	58	17	10
8.5	1020902	2.59	42.9	28.7	95.5	167	119	50	61	18	10
9.5	1020932	3.77	46.0	31.8	108	190	131	70	83	18	12
12	1020952	5.02	51.5	35.1	119	210	146	70	84	23	12
13.5	1020972	6.65	57.0	38.1	133	233	162	75	91	23	15
17	1020992	8.58	60.5	41.4	146	254	175	75	93	24	15
25	1021102	14.1	73.0	51.0	178	313	225	90	114	29	17.5
35	1021125	21.4	82.5	57.0	197	348	253	106	132	30	20
55	1021158	42.8	105.0	70.0	267	453	327	120	145	45	25

5:1 Design Factor. Maximum Proof Load is 2.0 times the Working Load Limit.

APPLICATION AND WARNING INFORMATION SECTION 17

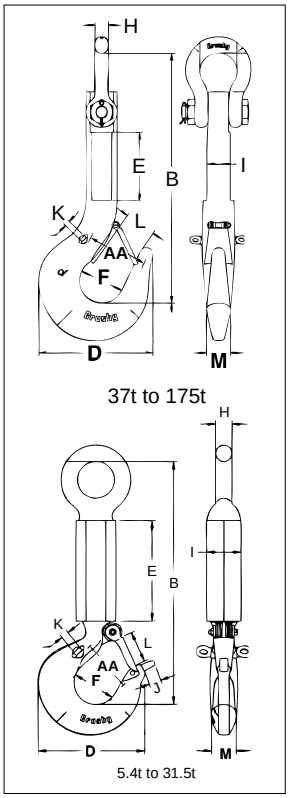
© 2025 Kito Crosby. All Rights Reserved.

L-562A



- Hook identification code stamped on each hook.
- Quenched & Tempered.
- QUIC-CHECK® angle indicators forged into the top eye; and deformation and angle indicators forged on the hook.
- Fluorescent yellow finish for high subsea visibility.
- Tip extension allows for easy handling.
- Sizes 5.4t through 31.5t utilize a new integrated latch (S-4320) that meets the world-class standard for lifting.
  - Heavy duty stamped latch interlocks with the hook tip.
  - High cycle, long life spring.
- Pad eyes are provided on either side of hook as cable guides. The cable is passed through a hole drilled in the latch that assists in allowing the remotely operated cable to open latch.
- Crosby supplies latches with drilled holes for sizes 5.4t through 31.5t. Other sizes can be fitted by your local Authorized Crosby Dealer. Cables are not provided by Crosby.

APPLICATION AND WARNING INFORMATION
SECTION 17



L-562A ROV Eye Shank Hooks

Working Load Limit (t)	Hook ID Code	L-562A Stock No.	Weight Each (kg)	Dimensions (mm)											Replacement Latch Stock No.
				I	E	B	D	J	F	M	H	L	K	AA*	
†5.4	IA	1297722	9.5	65	250	421	123	9.9	51	29	22	35	6.4	63.5	1096515
†11.5	KA	1297792	15	65	250	518	192	30	76	41	32	53	9.7	330	1096611
†16	LA	1297806	18	65	250	550	212	30	83	49	35	58	9.7	330	1096657
†22	NA	1297862	31	85	250	608	263	45	108	60	40	77	19	305	1096704
31.5	OA	1298042	44	85	250	660	346	-	127	76	48	106	19	254	1090161
‡37	PA	1298049	44	80	235	828	357	-	137	76	47	95	19	203	1090189
‡45	SA	1298057	90	80	235	865	392	-	152	83	47	108	19	177	1090189
‡60	TA	1298087	131	90	215	941	470	-	178	99	53	130	19	165	1090205
‡100	WA	1298103	303	140	300	1185	584	-	173	140	69	124	19	127	1090241
‡150	XA	1298117	395	150	230	1233	619	-	171	152	92	137	19	101	1090241
**175	YA	1298130	515	170	255	1326	678	-	191	178	102	-	19	101	143062

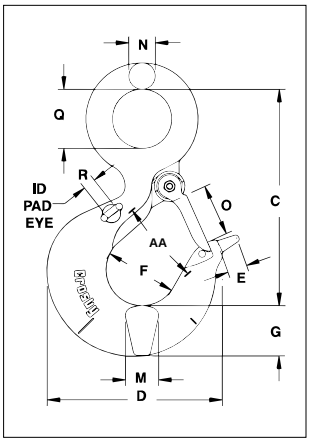
4:1 Design Factor. * Deformation Indicators. † Utilizes Crosby S319N style hook. Maximum proof load is 2 times the Working Load Limit. ‡ Utilizes Crosby G-2140 shackle as eye.

© 2025 Kito Crosby. All Rights Reserved.

L-320R



- Hook identification code stamped on each hook.
- Quenched & Tempered.
- QUIC-CHECK® deformation and angle indicators forged on the hook.
- Fluorescent yellow finish for high subsea visibility.
- Tip extension allows for easy handling.
- Sizes 3.2t through 31.5t utilize new integrated latch (S-4320) that meets the world-class standard for lifting.
  - Heavy duty stamped latch interlocks with the hook tip.
  - High cycle, long life spring.
- Pad eyes are provided on either side of hook as cable guides. The cable is passed through a hole drilled in the latch that assists in allowing the remotely operated cable to open latch.
- Crosby supplies latches with drilled holes for sizes 5.4t through 31.5t. Other sizes can be fitted by your local authorized distributor. Cables are not provided by Crosby.



APPLICATION AND WARNING INFORMATION
SECTION 17

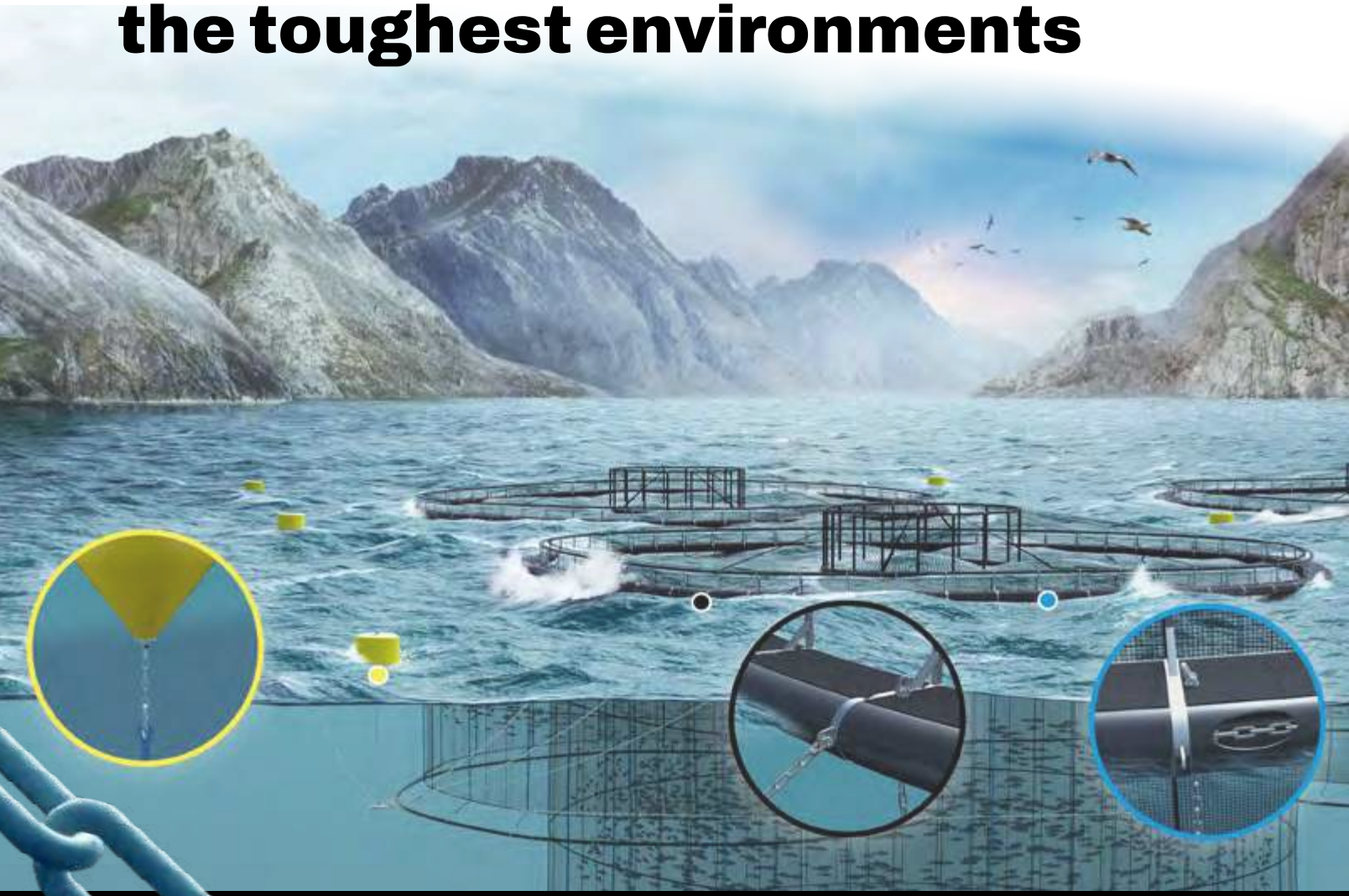
L-320R ROV Hooks

Working Load Limit (t)	Hook ID Code	L-320R Stock No.	Weight Each (kg)	Dimensions (mm)											Replacement Latch Stock No.
				C	D	E	F	G	M	N	O	Q	R	AA*	
†3.2	HA	1298427	1.01	119	101	25	41	29	24	15	28	32	6	50.8	1096468
†5.4	IA	1298497	2.04	147	122	25	51	37	33	18	35	40	6	63.5	1096515
†8	JA	1298567	3.92	187	159	35	64	46	42	23	41	51	10	76.2	1096562
†11.5	KA	1298637	7.02	230	189	35	76	57	41	28	53	62	10	102	1096611
†16	LA	1298707	10.1	259	213	35	83	66	49	32	59	72	10	102	1096657
†22	NA	1298777	18.4	318	262	45	108	76	60	40	77	89	19	127	1096704
†31.5	OA	1298847	28.1	357	346	-	127	92	76	44	93	89	19	165	1090161
37	PA	1298857	48.5	462	357	-	137	116	81	51	95	114	19	178	1090189
45	SA	1298867	62.1	511	392	-	152	129	82	55	114	125	19	203	1090189
60	TA	1298877	102	602	470	-	178	152	99	64	130	145	19	254	1090205

4:1 Design Factor. *Deformation Indicators. †Utilizes Crosby S320N style hook. Maximum proof load is 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

Safer solutions that withstand the toughest environments



Increased safety & efficiency in aquaculture operations

Tackle extreme environments with our wide range of aquaculture products, including hot-dip galvanized welded chain slings and shackles.

Gunnebo Industries products offer reduced corrosion and fatigue, are easier to handle, and are faster to assemble, resulting in longer service life, time, and overall cost savings.



Gunnebo Industries Mooring Bolt, Countersunk Dee Shackle, and Long Link Chain LLZ

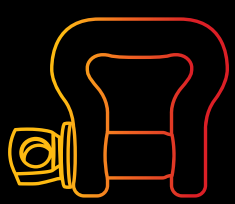
GUNNEBO Industries

Learn about the full Gunnebo Industries aquaculture line at **kitocrosby.com/aquaculture**



SYNTHETIC SLING FITTINGS

Quality end fittings designed exclusively for use with synthetic web and round slings



kitocrosby.com

Crosby®

Application Information

The Crosby Sling Saver® line is the first broad line of fittings developed exclusively for use with synthetic slings. Combined with additional Crosby products, a complete system is now available.

RECOMMENDED APPLICATION CHART	
APPLICATION	**USE**
Web slings, connect to pad eye, eye bolt, or lifting lug.	S-281 Sling Saver Web Sling Shackle 
Web slings or roundslings, connecting to pad eye, eye bolt, or lifting lug.	S-253 or S-252 Sling Saver Shackle 
Web slings or roundslings connecting to master links, rings, or Crosby 320N Eye Hooks.	S-280 Sling Saver Web Connector with spool 
High strength, high capacity web or roundslings.	WSL-320A Synthetic Sling Hook 
Choking with web slings or roundslings.	S-287 Sliding Choker Hook 
Master links or master link assembly to be sewn into eye of web sling or attached utilizing web connector.	Welded Master Link A-1343 and Master Link Assembly A-1346 
Master links or master link assembly to be sewn into eye of web sling or attached utilizing web connector.	Welded Master Link A-342 and Master Link Assembly A-345 
Connecting high performance slings to master links or eye hooks and to other high performance slings.	S-237 or S-238 High Performance Connectors 
Wide body shackles greatly improve wearability of wire rope slings.	S/G-2160 Wide Body Bolt Type Shackles S/G-2169 Wide Body Screw Pin Shackles 
Always ensure rated Working Load Limits are greater than the load placed on the fitting. Designed for use with Type III (eye & eye), Class 7, 2-ply webbing, and synthetic round slings. Also accommodates single ply and endless slings.	
Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness and effective contact width shown in the recommended standard specification for synthetic polyester round slings by the Web Sling and Tie Down Association. WSTDA-RS1 (revised 2010).	

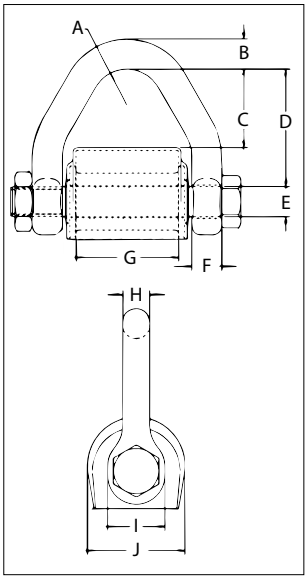
© 2025 Kito Crosby. All Rights Reserved.

S-280





- Connects synthetic web and synthetic round slings to conventional Crosby hardware.
- All alloy construction.
- Durable vinyl cover that:
  - Protects sling at eye
  - Keeps sling positioned correctly on spool.
- Makes a field assembled bridle quick and easy.
- No retaining pin to snag sling material.
- Increased radius of spool gives wider sling bearing surface resulting in an increased area for load distribution, allowing better load distribution on internal fibers.
- Increases synthetic sling efficiency as compared to standard anchor and chain shackle bows and conventional eye hooks. This allows 100% of the slings rated Working Load Limit to be achieved.
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).
- Replacement kit for spool and web cover available.
- Designed for use with Type III (eye & eye), Class 7, 2-ply webbing and synthetic round slings. Also accommodates single ply and endless slings.



CE Sling Saver Load Rated QST

9

S-280 Web Connector

Round Sling Size (No.)	Web Slings			Working Load Limit (t)	S-280 Stock No.	Weight Each (kg)	Dimensions (mm)									
	Webbing Width (mm)	Eye Width (mm)	Ply				A	B	C	D	E	F	G	H	I	J
1 & 2	50	50	2	2.95	1021681	.68	19.1	15.7	41.4	62.0	16.0	15.7	68.5	14.2	30.2	51.5
3	35	75	2	4.08	1021690	.86	19.1	17.5	27.9	51.0	19.1	17.5	55.5	15.2	35.1	59.5
4	50	100	2	5.67	1021700	1.32	19.1	20.6	42.2	65.0	22.4	19.1	68.5	17.5	41.1	62.5
5 & 6	75	150	2	7.70	1021709	2.31	25.4	23.9	62.5	89.0	25.4	22.4	93.5	22.4	47.8	72.0

Design Factor of 5:1. Designed for use with Type III, (eye & eye), Class 7, 2-ply web slings. For 35mm and larger webbing width, tapered eye is required.
Maximum Proof Load is 2 times the Working Load Limit.

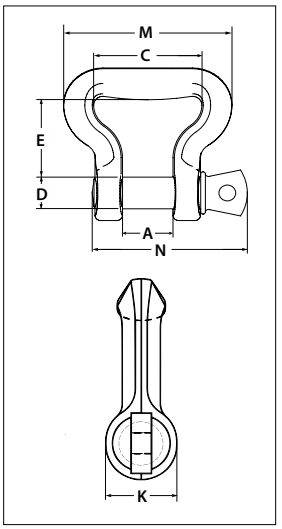
© 2025 Kito Crosby. All Rights Reserved.

Crosby®

S-281



- Web Sling Shackle is designed to connect synthetic web slings and synthetic round slings to eyebolts, pad eyes, and lifting lugs.
- All alloy construction.
- Each shackle has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby forged into it.
- Incorporates the same ear spread and pin dimensions as conventional Crosby shackles. Allows easy connection to pad eyes, eye bolts, and lifting lugs.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these shackles meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).
- Look for the Red Pin®... The mark of genuine Crosby quality.



S-281 Web Sling Shackle

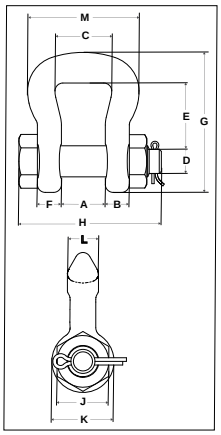
Round Sling Size (No.)	Web Slings			Working Load Limit (t)	S-281 Stock No.	Weight Each (kg)	Dimensions (mm)						
	Webbing Width (mm)	Eye Width (mm)	Ply				A	C	D	E	K	M	N
1 & 2	50	50	2	2.95	1021048	.54	26.9	63.5	19.1	41.1	31.0	97.5	85.0
3	35	75	2	4.08	1021057	.68	31.8	51.0	22.4	38.1	35.8	86.0	101
4	50	100	2	5.67	1021066	1.13	36.6	63.5	25.4	51.0	41.1	107	114
5 & 6	75	150	2	7.70	1021075	1.95	42.9	92.0	28.7	70.0	46.7	143	130

Design Factor of 5:1. Designed for use with Type III, (eye & eye), Class 7, 2-ply web slings. For 35mm and larger webbing width, tapered eye is required.
Maximum Proof Load is 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

S-252

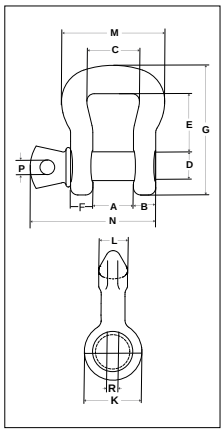




- All alloy construction.
- Each shackle has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby forged into it.
- Increased radius of bow gives wider sling bearing surface resulting in an increased area for load distribution, allows better load distribution on internal fibers.
  - Increasing Synthetic Sling efficiency as compared to standard anchor and chain shackle bows and conventional hooks. This allows 100% of the sling's rated Working Load Limit to be achieved.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these shackles meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).
- Bolt (pin) has a larger diameter that provides better load distribution.
- Look for the Red Pin®... the mark of genuine Crosby quality.

S-253





S-252 Bolt Type Sling Shackle

Web Sling Eye Width (mm)	Round Sling Size (No.)	Working Load Limit (t)	S-252 Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Bolt Kit Stock No.
					A	B	C	D	E	F	G	H	J	K	L	M	
25	1 & 2	3.25	1020485	.64	26.9	14.7	35.1	19.1	38.1	11.2	86.0	93.5	28.4	38.1	19.1	68.5	-
35	3 & 4	6.5	1020496	1.09	31.8	19.1	44.5	22.4	47.8	12.7	105	108	33.3	46.0	25.4	86.0	-
50	5 & 6	8.75	1020507	1.86	35.1	22.4	57.0	25.4	71.5	14.2	140	120	38.1	53.0	28.4	106	-
75	7 & 8	12.5	1020518	3.63	41.1	28.4	82.5	31.8	77.5	19.1	161	149	47.8	66.5	35.1	143	1082839
100	9 & 10	20.5	1020529	7.67	54.0	35.1	114	38.1	133	22.4	240	183	57.0	79.0	44.5	191	1082875
125	11 & 12	35	1020540	15.9	63.5	44.5	140	51.0	161	28.4	292	236	76.0	106	57.0	233	1084418
150	13	50	1020551	26.1	76.0	54.0	165	57.0	196	31.8	349	264	86.0	121	70.0	279	1084427

Design factor of 5:1. Maximum Proof Load is 2.5 times the Working Load Limit.

S-253 Screw Pin Sling Shackle

Web Sling Eye Width (mm)	Round Sling Size (No.)	Working Load Limit (t)	S-253 Stock No.	Weight Each (kg)	Dimensions (mm)												Replacement Pin Kit Stock No.
					A	B	C	D	E	G	K	L	M	N	P	R	
25	1 & 2	3.25	1020575	.64	22.4	15.7	35.1	19.1	38.1	86.0	38.1	19.1	68.5	82.0	11.2	25.4	-
35	3 & 4	6.5	1020584	1.00	31.8	19.1	44.5	22.4	47.8	105	46.0	25.4	86.0	102	12.7	30.2	-
50	5 & 6	8.75	1020593	1.72	35.1	22.4	57.0	25.4	71.5	140	53.0	28.4	106	114	12.7	36.6	-
75	7 & 8	12.5	1020602	3.31	41.1	28.4	82.5	31.8	77.5	161	66.5	35.1	143	142	15.7	46.0	1083867
100	9 & 10	20.5	1020611	6.89	54.0	35.1	114	38.1	133	240	79.0	44.5	191	175	19.1	54.0	1083885
125	11 & 12	35	1020620	14.0	63.5	44.5	140	51.0	161	292	106	57.0	233	220	25.4	73.0	1082670
150	13	50	1020629	23.6	76.0	54.0	165	57.0	196	349	121	70.0	279	260	31.0	81.0	1082697

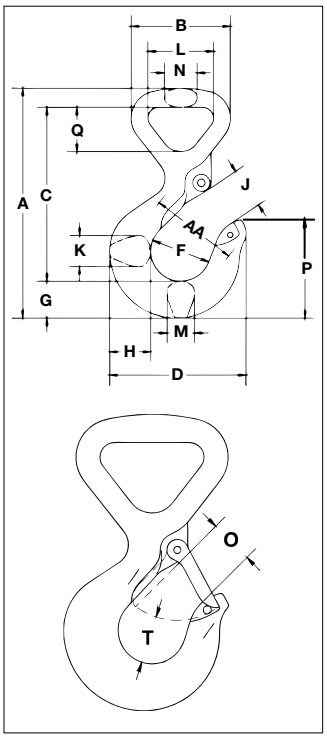
Design factor of 5:1. Maximum Proof Load is 2.5 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

WSL-320A



- Suitable for use with 2-ply web slings and round slings.
  - Eye is designed with a wide beam surface, which eliminates bunching effects, reduces sling tendency to slide, and allows a better load distribution on internal fibers.
- All alloy construction.
- Each hook has a Product Identification Code (PIC) for material traceability along with a working load limit and the name Crosby forged into it.
- All hooks feature Crosby's patented QUIC-CHECK® indicators.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Includes S-4320 latch.
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).



APPLICATION AND WARNING INFORMATION
SECTION 17

WSL-320A Synthetic Sling Hook

Web Sling Eye Width (mm)	Round Sling Size (No.)	Working Load Limit (t)	WSL-320A with Latch	Weight Each (kg)	Hook ID Code	S-4320 Rep. Latch
25.0	1	1.5	1022706	.50	FA	1096374
50.0	2	3	1022717	1.30	HA	1096468
75.0	3	5	1022728	3.00	IA	1096515

Hook ID Code	Working Load Limit (t)	Dimensions (mm)																
		A	B	C	D	F	G	H	J	K	L	M	N	O	P	Q	T	AA
FA	1.5	133	57.5	101	79.0	35.1	21.3	23.9	23.6	18.0	38.1	16.0	19.1	23.1	57.0	25.7	24.9	51.0
HA	3	181	93.0	135	101	41.4	28.7	33.5	28.7	23.9	63.5	21.6	28.7	27.7	71.5	42.9	29.5	51.0
IA	5	237	130	179	122	51.0	36.6	41.4	37.3	33.3	95.5	28.7	41.4	34.5	89.0	66.0	38.9	63.5

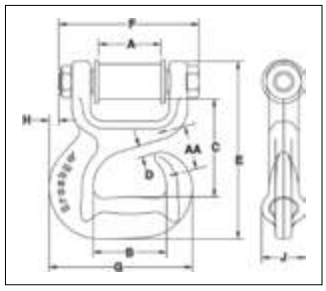
Design factor of 5:1.
Maximum Proof Load is 2.5 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

S-287



- Special design of hook protects the synthetic sling when dropped or dragged.
- Uses same spool and cover as S-280 Web Connector.
  - Replacement Kit for Spool and Web Cover available.
  - No retaining pin to snag sling material.
- Forged alloy steel, Quenched & Tempered.
- Each Connector has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby forged into it.
- Designed to reduce friction, abrasion, and fraying in choker area.
- Designed for use with Type III, (eye & eye).
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).



S-287 Sliding Choker Hook

Round Sling Size (No.)	Web Slings			Working Load Limit (t)	S-287 Stock No.	Weight Each (kg)	Dimensions (mm)									
	Webbing Width (mm)	Eye Width (mm)	Ply				A	B	C	D	E	F	G	H	J	AA
1 & 2	50	50	2	2.95	1021909	1.68	54.0	63.5	84.5	9.65	153	121	124	8.65	38.1	38.1
3	75	35	2	4.08	1021918	2.77	41.4	89.0	93.0	9.65	179	115	165	34.5	47.8	–

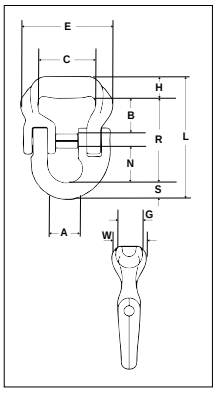
Design factor of 5:1.
Maximum Proof Load is 2 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

Crosby®

S-237

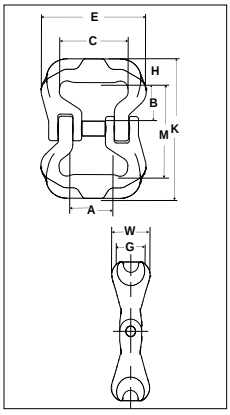




- High Performance Sling Connector is designed to connect to slings of all materials.
- Allows easy connection to master links or eye hooks and is ideal for bridles.
- Increased radius of bow gives wider sling bearing surface resulting in an increased area for load distribution, allows better load distribution on internal fibers.
  - Increases synthetic sling efficiency as compared to master links, shackle bows and conventional eye hooks. This allows 100% of the sling's rated Working Load Limit to be achieved.
- All alloy construction
- Each connector has a Product Identification Code (PIC) for material traceability, along with a frame size and the name Crosby forged into it.
- Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Round Slings by the Web Sling & Tie Down Association (WSTDA-RS1).

S-238





S-237 High Performance Sling Connector

CE Sling Saver Load Proof QT

Working Load Limit				Nominal Sling Body Width	Lok-A-Loy Size	Weight Each	Dimensions (mm)										
4:1 (kg)	5:1 (kg)	Stock No.	Frame No.	(mm)	(mm)	(kg)	A	B	C	E	G	H	L	N	R	S	W
2835	2268	1020695	5	51	10	.52	22.4	36.1	50.8	80.8	25.4	20.3	107	26.4	74.2	12.2	35.1
5670	4536	1020704	10	76	16	1.34	36.1	38.6	69.9	105	31.8	24.9	144	43.4	100	19.0	44.5
8505	6804	1020713	15	76	20	2.15	41.4	40.1	69.9	111	35.1	27.9	165	51.8	113	23.6	47.8
14175	11340	1020722	25	102	22	3.90	50.8	59.2	95.3	152	44.5	35.8	202	57.7	140	26.9	57.2
17010	13607	1020731	30	102	22	4.19	50.8	55.9	95.3	157	44.5	35.8	199	57.7	137	26.9	60.5
22680	18145	1020740	40	127	26	7.1	57.2	73.9	121	184	57.2	45.2	240	62.0	164	31.0	78.5
34020	27215	1020759	60	152	32	11.8	65.0	85.3	146	232	58.7	47.2	281	78.0	196	38.1	80.3

Design Factor of 5:1.
Maximum allowable Proof Load is 2 times the Working Load Limit when used at 4:1 design factor.

S-238 High Performance Sling Connector

CE Sling Saver Load Proof QT

Working Load Limit (kg)	Stock No.	Frame No.	Nominal Sling Body Width (mm)	Weight Each (kg)	Dimensions (mm)								
					A	B	C	E	G	H	K	M	W
2268	1020415	5	50.8	.73	22.4	36.1	50.8	80.8	25.4	20.3	124	83.8	35.1
4536	1020423	10	76.2	1.50	36.1	38.6	69.9	105	31.8	24.9	145	95.5	44.5
6804	1020432	15	76.2	2.22	41.4	40.1	69.9	111	35.1	27.9	156	101	47.8
11340	1020441	25	102	4.58	50.8	59.2	95.3	152	44.5	35.8	213	142	57.2
13608	1020450	30	102	5.17	50.8	55.9	95.3	157	44.5	35.8	207	135	60.5
18144	1020469	40	127	9.39	57.2	73.9	121	184	57.2	45.2	266	176	78.5
27216	1020478	60	152	14.5	65.0	85.3	146	232	58.7	47.2	298	203	80.3

Design factor of 5:1. Maximum Proof Load is 2.5 times the Working Load Limit.

© 2025 Kito Crosby. All Rights Reserved.

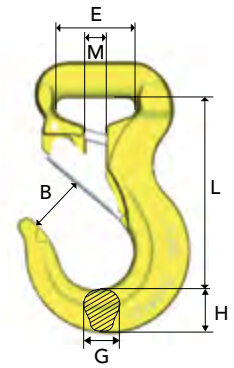


Roundsling Hook RH

The RH-hook is the perfect load connection solution, combining the advantages of both soft lifting slings and grade 100 components. It can be inserted into a softsling and is quicker and safer to use than the commonly used shackle. The RH-hook is a connector as well as a hook, which gives the user increased flexibility, safer use and increased durability of the soft slings.

The RH-hook comes with a blocking pin, but thanks to the narrow opening it may be used without blocking pin.

CE



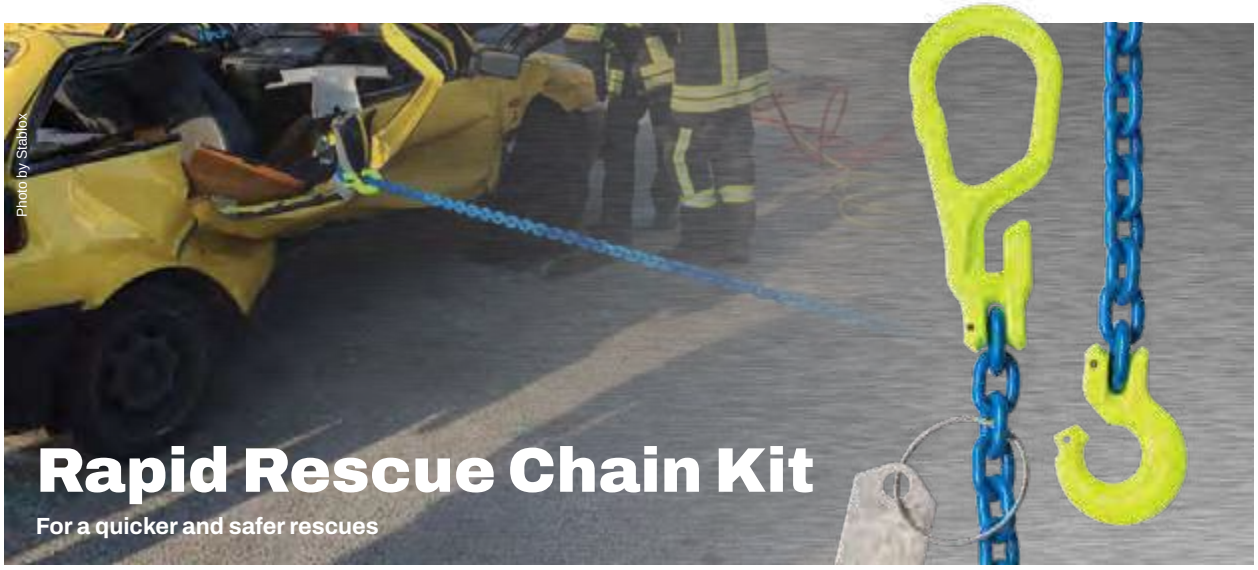
Stock No.	Code	WLL (t)	Dimensions (mm)						Weight (kg)
			B	E	G	L	H	M	
7202530	RH-1-10	1	24	35	17	84	19	8	0.5
7202539	RH-2-10	2	28	40	17	96	22	10	0.7
7202548	RH-3-10	3	33	47	24	117	30	12	1.4
7202557	RH-5-10	5	43	73	27	155	36	17	3.2

4:1 Design Factor. Tested according to EN 1677-2.



The roundsling hooks are color coded in order to match the corresponding sizes of roundslings marked according to EN 1492: Red=5T, Yellow=3T, Green=2T and Violet=1T.

9



A few seconds can make a significant difference in a serious accident rescue operation. Vehicle design and extreme deformations common in accidents can make the work of emergency workers challenging.

The Gunnebo Industries Rescue Chain Kit is simple and effective for patient-friendly rescues in various accident scenarios, including frontal, side, and rear impacts.

The methodology and equipment is standardized in many parts of Europe, including Germany and Scandinavia. The pulling moves the fire brigade's working space to the outside and allows parallel work of medical care and technical rescue.

The kits are available in sizes from 6 mm (7/32 in) up to 16 mm (5/8 in) and working load limits up to 10t (22 600 lb). Most commonly 8 mm (5/16 in) or 10 mm (3/8 in) are used, along with appropriately sized synthetic slings and synthetic sling hooks.

Recommended kit

- 4 x 2,7m (9ft) chain sling MG1-CL
- 2 x 6m (20ft) synthetic sling*
- 4 x RH synthetic sling hooks
- 4 x G-209 or 854 bow screw pin shackles
- 2 x metal or plastic hardcase for easy storage





GUNNEBO Industries

© 2025 Kito Crosby. All Rights Reserved.

The SK-System

A range of specialized components for safe and easy assembly to chain, steel wire rope, webbing and roundsling, designed to solve your below-the-hook problems.



The Polyester Sling System provides:

- Universal coupling of components to chain, wire and synthetic slings.
- Quick and simple assembly (only a hammer needed).
- Easy assembly - standardized dimensions within each size range effectively eliminates the incorrect assembly of components with different safe working loads.
- Heavy hoisting with strong yet lightweight equipment.
- All components are manufactured from alloy steel for use with Grade 8 chain.

SKA – pin & collar

The SKA set, containing pin and collar, can be used to connect all products in the SK-range. This creates a multitude of available combinations, each adaptable to the unique lifting situation.

The SKA set gives you flexibility.
It can be disassembled and put in new combinations, providing solutions for a versatile lifting environment.





SKLI/SKLU

Electrically insulated, lubricated, sealed roller bearing swivel. Fully rotational even at maximum load. Tested to resist 1000 V. Suitable for protection of overhead cranes during welding operations on suspended loads.

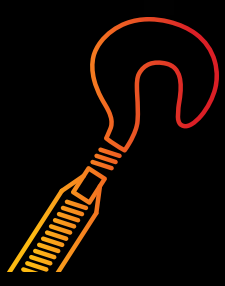
By using the SKLI/SKLU with the SK-system you get a versatile solution that will fit almost any situation.

© 2025 Kito Crosby. All Rights Reserved.



TURNBUCKLES

Drop-forged and hot-dip galvanized, designed for precise tension control and slack reduction



kitocrosby.com

HG-223

HOOK & HOOK
Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1, Class 5, and ASTM F-1145, except for those provisions required of the contractor.



HG-226

EYE & EYE
Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1, Class 4, and ASTM F-1145, except for those provisions required of the contractor.





Modified Thread:
Note stress relieving radii in this unretouched photo enlargement of the supabuckle.

HG-227

JAW & EYE
Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1, Class 8, and ASTM F-1145, except for those provisions required of the contractor.



HG-228

JAW & JAW
Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1, Class 7, and ASTM F-1145, except for those provisions required of the contractor.





Standard Thread:
Note stress building sharp "V" in this untouched photo enlargement.

Turnbuckle Information

- Turnbuckle assembly combinations include: eye & eye, hook & hook, jaw & jaw, and jaw & eye.
- End fittings are Quenched & Tempered or normalized, bodies heat treated by normalizing.
- Crosby Quenched & Tempered end fittings and normalized bodies have enhanced impact properties for greater toughness at all temperatures.
- Hot-dip galvanized.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- Modified UNJ thread on end fittings for improved fatigue properties. Body has UNC threads.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle sizes 6.35mm through 63.5mm, a shackle one size smaller can be reeved through eye.
- Forged jaw ends are fitted with bolts and nuts on size 6.35mm - 15.9mm, and pins and cotter on sizes 19.1mm through 70mm.
- Can be used in general service conditions down to temperatures of -40° F (-40° C) and up to 400° F (204° C). See page 3 for more details.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock nuts available for all sizes.
- Typical hardness levels, tensile strengths and ductility properties are available for all sizes.
- Meets or exceeds all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements, including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

© 2025 Kito Crosby. All Rights Reserved.



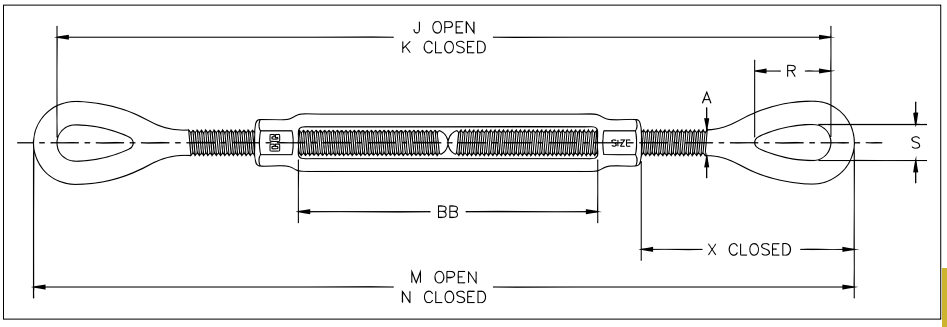
HG-226

- End fittings are Quenched & Tempered or normalized, bodies heat-treated by normalizing.
- Hot-dip galvanized steel.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle sizes 6 mm through 64 mm, a shackle one size smaller can be reeved through eye.
- Modified UNJ thread on end fittings for improved fatigue properties. Body has UNC threads.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock nuts available for all sizes.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements including fatigue life, impact properties, and material traceability, not addressed by ASME B30.26.
- Meets the performance requirements of Federal Specifications FF-T-791b, Type 1 Form 1 - CLASS 4, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see the warnings and applications section.

Q&T

Fatigue Rated

APPLICATION AND WARNING INFORMATION
SECTION 17



HG-226 Eye & Eye

Thread Dia. & Take Up (in)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)								
				A	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB
* 5/16 x 4-1/2	1031270	.36	.22	7.94	354	239	368	253	24.1	11.2	55.8	116
* 3/8 x 6	1031298	.54	.34	9.53	446	294	463	311	28.7	13.5	62.9	155
1/2 x 6	1031314	1.00	.78	12.7	506	354	529	376	35.8	18.0	90.4	153
1/2 x 12	1031350	1.00	1.19	12.7	819	514	841	536	35.8	18.0	89.9	314
5/8 x 6	1031378	1.59	1.25	15.9	552	399	577	425	45.7	22.4	110	153
5/8 x 12	1031412	1.59	1.87	15.9	865	560	891	586	45.7	22.4	110	315
3/4 x 6	1031430	2.36	1.91	19.1	590	438	622	470	53.1	25.4	130	156
3/4 x 12	1031476	2.36	2.78	19.1	905	600	937	632	53.1	25.4	129	320
3/4 x 18	1031494	2.36	3.55	19.1	1210	753	1242	785	53.1	25.4	130	471
7/8 x 12	1031519	3.27	4.01	22.2	932	627	970	665	60.5	31.8	147	309
7/8 x 18	1031537	3.27	5.22	22.2	1249	792	1287	830	60.5	31.8	147	473
1 x 6	1031555	4.54	4.36	25.4	666	514	711	559	76.2	36.3	165	157
1 x 12	1031573	4.54	5.88	25.4	971	666	1016	711	76.2	36.3	165	309
1 x 18	1031591	4.54	7.40	25.4	1276	819	1321	864	76.2	36.3	165	462
1 x 24	1031617	4.54	9.14	25.4	1596	987	1641	1031	76.2	36.3	164	631
1-1/4 x 12	1031635	6.89	9.01	31.8	1070	766	1127	822	91.2	46.2	216	306
1-1/4 x 18	1031653	6.89	10.8	31.8	1375	918	1432	975	91.2	46.2	216	459
1-1/4 x 24	1031671	6.89	12.6	31.8	1694	1085	1751	1141	91.2	46.2	216	625
1-1/2 x 12	1031699	9.71	13.0	38.1	1124	819	1187	882	104	53.8	240	313
1-1/2 x 18	1031715	9.71	15.4	38.1	1428	971	1492	1035	104	53.8	240	465
1-1/2 x 24	1031733	9.71	17.9	38.1	1749	1139	1813	1203	104	53.8	240	633
1-3/4 x 18	1031779	12.7	23.0	44.5	1457	1000	1534	1076	118	60.5	253	467
1-3/4 x 24	1031797	12.7	26.4	44.5	1762	1153	1838	1229	118	60.5	253	619
2 x 24	1031813	16.8	37.9	50.8	1922	1313	2011	1402	148	68.3	331	622
2-1/2 x 24	1031831	27.2	67.4	63.5	2011	1402	2113	1503	165	79.2	350	625
2-3/4 x 24	1031859	34.0	79.1	69.9	2066	1456	2180	1571	178	82.6	383	626

5:1 Design Factor. Proof Load is 2.5 times the Working Load Limit. *Mechanical galvanized

© 2025 Kito Crosby. All Rights Reserved.

Crosby



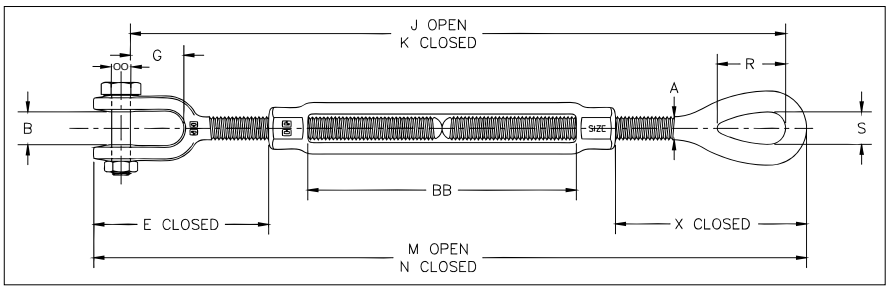
HG-227

- End fittings are Quenched & Tempered or normalized, bodies heat-treated by normalizing.
- Hot-dip Galvanized steel.
- Turnbuckles eyes are forged and elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckles size 6 mm through 64 mm, a shackle one size smaller can be reeved through eye.
- Forged jaw ends are fitted with bolts and nuts for 6mm through 16mm, and pins and cotters on 19 mm through 70 mm sizes.
- Modified UNJ thread on end fittings for improved fatigue properties.
- Body has UNC threads.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock nuts available for all sizes.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements including fatigue life, impact properties, and material traceability, not addressed by ASME B30.26.
- Meets the performance requirements of Federal Specifications FF-T-791b, Type 1 Form 1 - CLASS 8, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see warnings and applications section.

QT

Fatigue Rated

APPLICATION AND WARNING INFORMATION
SECTION 17



HG-227 Jaw & Eye

Thread Dia. & Take Up (in)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)												Replacement Pin Kit Stock No.
				00	B	E Closed	G	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB	
* 5/16 x 4-1/2	1031895	.36	.24	6.35	12.7	51.2	22.0	343	228	363	249	24.1	11.2	55.8	116	1089654
* 3/8 x 6	1031911	.54	.36	7.87	13.5	53.5	21.5	429	277	454	301	28.7	13.5	62.9	155	1089672
1/2 x 6	1031939	1.00	.80	9.40	16.3	81.8	27.1	490	338	520	368	35.8	18.0	90.4	153	1089690
1/2 x 9	1031957	1.00	1.02	9.40	16.3	81.3	27.1	650	421	680	451	35.8	18.0	89.9	238	1089690
1/2 x 12	1031975	1.00	1.21	9.40	16.3	81.3	27.1	802	497	832	528	35.8	18.0	89.9	314	1089690
5/8 x 6	1031993	1.59	1.35	12.7	20.1	99.1	33.5	527	374	566	413	45.7	22.4	110	153	1089716
5/8 x 9	1032019	1.59	1.69	12.7	20.1	98.8	33.5	688	459	727	498	45.7	22.4	110	239	1089716
5/8 x 12	1032037	1.59	1.97	12.7	20.1	98.8	33.5	840	535	879	574	45.7	22.4	110	315	1089716
3/4 x 6	1032055	2.36	2.05	16.0	24.6	120	38.5	563	411	612	459	53.1	25.4	130	156	1097770
3/4 x 9	1032073	2.36	2.52	16.0	24.6	119	38.5	726	497	774	546	53.1	25.4	129	244	1097770
3/4 x 12	1032091	2.36	2.91	16.0	24.6	119	38.5	878	573	927	622	53.1	25.4	129	320	1097770
3/4 x 18	1032117	2.36	3.69	16.0	24.6	120	38.5	1183	726	1232	774	53.1	25.4	130	471	1097770
7/8 x 12	1032135	3.27	4.13	19.1	29.5	140	44.8	906	601	963	658	60.5	31.8	147	309	1097789
7/8 x 18	1032153	3.27	5.28	19.1	29.5	140	44.8	1223	766	1280	822	60.5	31.8	147	473	1097789
1 x 6	1032171	4.54	4.55	22.4	34.0	155	52.1	636	483	701	548	76.2	36.3	165	157	1097761
1 x 12	1032199	4.54	6.06	22.4	34.0	155	52.1	941	636	1006	701	76.2	36.3	165	309	1097761
1 x 18	1032215	4.54	7.58	22.4	34.0	155	52.1	1245	788	1310	853	76.2	36.3	165	462	1097761
1 x 24	1032233	4.54	9.33	22.4	34.0	154	52.1	1565	956	1630	1021	76.2	36.3	164	631	1097761
1-1/4 x 12	1032251	6.89	9.48	28.7	46.7	205	71.5	1035	730	1117	812	91.2	46.2	216	306	1097798
1-1/4 x 18	1032279	6.89	11.3	28.7	46.7	205	71.5	1340	883	1422	965	91.2	46.2	216	459	1097798
1-1/4 x 24	1032297	6.89	13.1	28.7	46.7	205	71.5	1659	1050	1741	1131	91.2	46.2	216	625	1097798
1-1/2 x 12	1032313	9.71	13.9	35.1	52.3	227	71.4	1080	775	1174	869	104	53.8	240	313	1097805
1-1/2 x 18	1032331	9.71	16.3	35.1	52.3	227	71.4	1384	927	1479	1021	104	53.8	240	465	1097805
1-1/2 x 24	1032359	9.71	18.8	35.1	52.3	227	71.4	1705	1095	1799	1189	104	53.8	240	633	1097805
1-3/4 x 18	1032395	12.7	23.6	41.4	66.0	238	85.0	1406	949	1518	1061	118	60.5	253	467	1097814
1-3/4 x 24	1032411	12.7	27.1	41.4	66.0	238	85.0	1711	1101	1823	1213	118	60.5	253	619	1097814
2 x 24	1032439	16.8	40.8	50.8	66.5	300	95.0	1846	1236	1980	1370	148	68.3	331	622	1097823
2-1/2 x 24	1032457	27.2	71.7	57.2	77.7	337	113	1932	1323	2100	1490	165	79.2	350	625	1097832
2-3/4 x 24	1032475	34.0	84.6	69.9	93.7	379	106	1982	1373	2176	1566	178	82.6	383	626	1087674

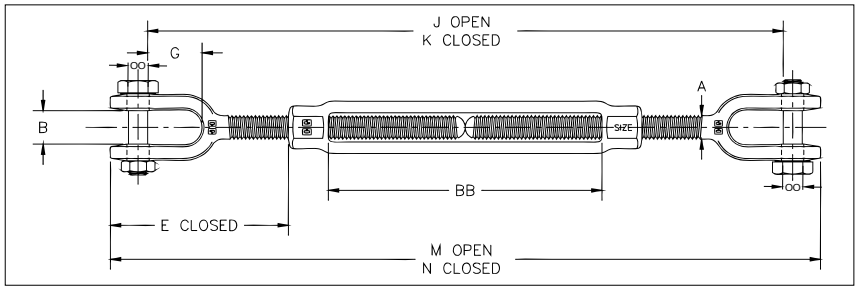
5:1 Design Factor. Proof Load is 2.5 times the Working Load Limit. *Mechanically galvanized

© 2025 Kito Crosby. All Rights Reserved.



HG-228

- End fittings are Quenched & Tempered or normalized, bodies heat-treated by normalizing.
- Hot-dip Galvanized steel.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Forged jaw ends are fitted with bolts and nuts for 6 mm through 16 mm, and pins and cotters on 19 mm through 70 mm sizes.
- Modified UNJ thread on end fittings for improved fatigue properties.
- Body has UNC threads.
- Lock nuts available for all sizes.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Meets the performance requirements of Federal Specifications FF-T-791b, Type 1 Form 1 - CLASS 7, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see Warnings & Applications.



APPLICATION AND WARNING INFORMATION
SECTION 17

10

HG-228 Jaw & Jaw

Thread Dia. & Take Up (in)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)									Replacement Pin Kit Stock No.
				00	B	E Closed	G	J Open	K Closed	M Open	N Closed	BB	
* 5/16 x 4-1/2	1032518	.36	.25	6.35	12.7	51.2	22.0	332	218	359	244	116	1089654
* 3/8 x 6	1032536	.54	.39	7.87	13.5	53.5	21.5	413	260	445	292	155	1089672
1/2 x 6	1032554	1.00	.83	9.40	16.3	81.8	27.1	474	321	512	359	153	1089690
1/2 x 9	1032572	1.00	1.04	9.40	16.3	81.3	27.1	633	405	671	443	238	1089690
1/2 x 12	1032590	1.00	1.23	9.40	16.3	81.3	27.1	786	481	824	519	314	1089690
5/8 x 6	1032616	1.59	1.46	12.7	20.1	99.1	33.5	501	349	554	402	153	1089716
5/8 x 9	1032634	1.59	1.79	12.7	20.1	98.8	33.5	662	434	715	487	239	1089716
5/8 x 12	1032652	1.59	2.08	12.7	20.1	98.8	33.5	815	510	868	563	315	1089716
3/4 x 6	1032670	2.36	2.18	16.0	24.6	120	38.5	536	383	601	449	156	1097770
3/4 x 9	1032698	2.36	2.65	16.0	24.6	119	38.5	698	470	764	535	244	1097770
3/4 x 12	1032714	2.36	3.05	16.0	24.6	119	38.5	851	546	916	612	320	1097770
3/4 x 18	1032732	2.36	3.83	16.0	24.6	120	38.5	1155	698	1221	764	471	1097770
7/8 x 12	1032750	3.27	4.25	19.1	29.5	140	44.8	880	575	956	651	309	1097789
7/8 x 18	1032778	3.27	5.34	19.1	29.5	140	44.8	1197	740	1272	815	473	1097789
1 x 6	1032796	4.54	4.74	22.4	34.0	155	52.1	605	453	690	538	157	1097761
1 x 12	1032812	4.54	6.25	22.4	34.0	155	52.1	910	605	995	690	309	1097761
1 x 18	1032830	4.54	7.77	22.4	34.0	155	52.1	1215	757	1300	843	462	1097761
1 x 24	1032858	4.54	9.51	22.4	34.0	154	52.1	1535	925	1620	1010	631	1097761
1-1/4 x 12	1032876	6.89	9.94	28.7	46.7	205	71.5	1000	695	1107	802	306	1097798
1-1/4 x 18	1032894	6.89	11.7	28.7	46.7	205	71.5	1305	848	1412	955	459	1097798
1-1/4 x 24	1032910	6.89	13.5	28.7	46.7	205	71.5	1624	1014	1731	1121	625	1097798
1-1/2 x 12	1032938	9.71	14.8	35.1	52.3	227	71.4	1035	731	1160	855	313	1097805
1-1/2 x 18	1032956	9.71	17.2	35.1	52.3	227	71.4	1340	883	1465	1008	465	1097805
1-1/2 x 24	1032974	9.71	19.7	35.1	52.3	227	71.4	1661	1051	1786	1176	633	1097805
1-3/4 x 18	1033018	12.7	24.3	41.4	66.0	238	85.0	1355	898	1503	1045	467	1097814
1-3/4 x 24	1033036	12.7	27.7	41.4	66.0	238	85.0	1660	1050	1807	1198	619	1097814
2 x 24	1033054	16.8	43.7	50.8	66.5	300	95.0	1769	1159	1949	1339	622	1097823
2-1/2 x 24	1033072	27.2	75.9	57.2	77.7	337	113	1853	1244	2087	1478	625	1097832
2-3/4 x 24	1033090	34.0	90.1	69.9	93.7	379	106	1899	1289	2172	1562	626	1087674

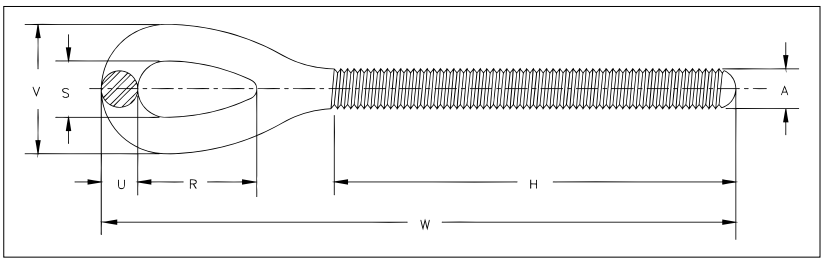
5:1 Design Factor. Proof Load is 2.5 times the Working Load Limit. *Mechanical galvanized

© 2025 Kito Crosby. All Rights Reserved.



HG-4037

- Quenched & Tempered or normalized.
- Hot-dip Galvanized steel.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle sizes 6 mm through 64 mm, a shackle one size smaller can be reeved through eye.
- Modified UNJ thread for improved fatigue properties.
- Fatigue rated.



HG-4037 Eye End Fittings

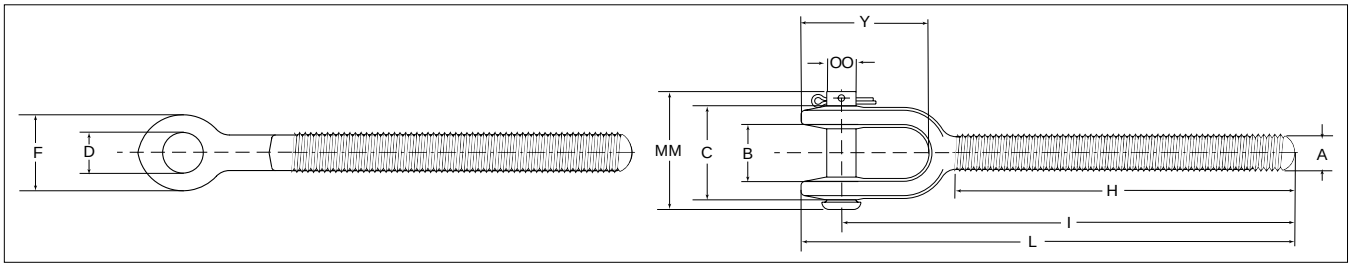
Shank Dia. & Take Up (in)	RH Eye Stock No.	LH Eye Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)						
					A	H	R	S	U	V	W
* 1/4 x 4	1071057	1071672	.23	.03	6.35	65.8	20.6	8.64	5.59	19.8	106
* 5/16 x 4 1/2	1071075	1071690	.36	.06	7.94	76.2	24.1	11.2	7.11	25.4	127
* 3/8 x 6	1071093	1071716	.54	.10	9.53	98.6	28.7	13.5	8.64	30.7	155
1/2 x 6	1071119	1071734	1.00	.23	12.7	106	35.8	18.0	11.2	40.4	188
1/2 x 9	1071137	1071752	1.00	.27	12.7	145	35.8	18.0	11.2	40.4	226
1/2 x 12	1071155	1071770	1.00	.31	12.7	183	35.8	18.0	11.2	40.4	264
5/8 x 6	1071173	1071798	1.59	.37	15.9	113	45.7	22.4	12.7	47.8	212
5/8 x 9	1071191	1071814	1.59	.43	15.9	151	45.7	22.4	12.7	47.8	250
5/8 x 12	1071217	1071832	1.59	.49	15.9	189	45.7	22.4	12.7	47.8	289
3/4 x 6	1071235	1071850	2.36	.62	19.1	116	53.1	25.4	16.0	57.4	235
3/4 x 9	1071253	1071878	2.36	.70	19.1	154	53.1	25.4	16.0	57.4	273
3/4 x 12	1071271	1071896	2.36	.78	19.1	192	53.1	25.4	16.0	57.4	311
3/4 x 18	1071299	1071912	2.36	.95	19.1	268	53.1	25.4	16.0	57.4	387
7/8 x 12	1071315	1071930	3.27	1.18	22.2	198	60.5	31.8	19.1	69.9	333
7/8 x 18	1071333	1071958	3.27	1.42	22.2	275	60.5	31.8	19.1	69.9	409
1 x 6	1071351	1071976	4.54	1.43	25.4	129	76.2	36.3	22.4	81.0	279
1 x 12	1071379	1071994	4.54	1.73	25.4	205	76.2	36.3	22.4	81.0	356
1 x 18	1071397	1072010	4.54	2.03	25.4	281	76.2	36.3	22.4	81.0	432
1 x 24	1071413	1072038	4.54	2.34	25.4	357	76.2	36.3	22.4	81.0	508
1-1/4 x 12	1071431	1072056	6.89	3.21	31.8	213	91.2	46.2	28.4	103	411
1-1/4 x 18	1071459	1072074	6.89	3.68	31.8	289	91.2	46.2	28.4	103	487
1-1/4 x 24	1071477	1072092	6.89	4.15	31.8	365	91.2	46.2	28.4	103	564
1-1/2 x 12	1071495	1072118	9.71	4.68	38.1	222	104	53.8	31.8	117	441
1-1/2 x 18	1071510	1072136	9.71	5.37	38.1	298	104	53.8	31.8	117	517
1-1/2 x 24	1071538	1072154	9.71	6.05	38.1	375	104	53.8	31.8	117	594
1-3/4 x 18	1071574	1072190	12.7	7.93	44.5	309	118	60.5	38.1	137	538
1-3/4 x 24	1071592	1072216	12.7	8.85	44.5	385	118	60.5	38.1	137	614
2 x 24	1071618	1072234	16.8	13.1	50.8	396	148	68.3	44.5	157	701
2-1/2 x 24	1071636	1072252	27.2	21.0	63.5	446	165	79.2	50.8	181	752
2-3/4 x 24	1071654	1072270	34.0	27.3	69.9	449	178	82.6	57.2	197	785

*Mechanically galvanized

© 2025 Kito Crosby. All Rights Reserved.

HG-4037 Jaw End Fittings

- Quenched & Tempered or normalized.
- Hot-dip galvanized steel.
- Forged jaw ends are fitted with bolts and nuts on sizes 6 mm through 16 mm, and pins and cotters on sizes 19 mm through 70 mm.
- Modified UNJ thread for improved fatigue properties.
- Fatigue Rated.



HG-4037 Jaw End Fittings

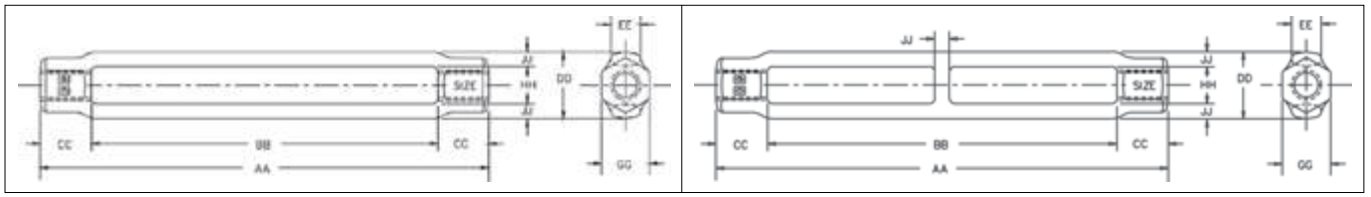
Shank Dia. & Take Up (in)	RH Jaw Stock No.	LH Jaw Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)										
					A	B	C	D	F	H	I Nom. Min.	L Nom. Min.	Y	MM	OO Bolt Pin
* 1/4 x 4	1072298	1072911	.23	.05	6.35	11.4	23.1	7.62	16.0	65.8	94.5	104	28.7	35.8	6.35
* 5/16 x 4 1/2	1072314	1072939	.36	.08	7.94	12.7	25.9	7.62	17.5	76.2	112	122	35.3	35.8	6.35
* 3/8 x 6	1072332	1072957	.54	.13	9.53	13.5	29.2	9.14	20.6	98.6	134	146	37.3	40.1	7.87
1/2 x 6	1072350	1072975	1.00	.25	12.7	16.3	34.5	10.7	25.4	106	165	180	46.0	47.5	9.40
1/2 x 9	1072378	1072993	1.00	.29	12.7	16.3	34.5	10.7	25.4	145	203	218	46.0	47.5	9.40
1/2 x 12	1072396	1073019	1.00	.33	12.7	16.3	34.5	10.7	25.4	183	242	256	46.0	47.5	9.40
5/8 x 6	1072412	1073037	1.59	.48	15.9	20.1	44.5	14.0	33.3	109	181	201	59.9	62.0	12.7
5/8 x 9	1072430	1073055	1.59	.54	15.9	20.1	44.5	14.0	33.3	148	219	239	59.9	62.0	12.7
5/8 x 12	1072458	1073073	1.59	.59	15.9	20.1	44.5	14.0	33.3	186	257	277	59.9	62.0	12.7
3/4 x 6	1072476	1073091	2.36	.75	19.1	24.6	53.1	17.5	41.4	116	200	225	71.4	65.0	16.0
3/4 x 9	1072494	1073117	2.36	.83	19.1	24.6	53.1	17.5	41.4	154	238	263	71.4	65.0	16.0
3/4 x 12	1072519	1073135	2.36	.92	19.1	24.6	53.1	17.5	41.4	192	276	301	71.4	65.0	16.0
3/4 x 18	1072537	1073153	2.36	1.09	19.1	24.6	53.1	17.5	41.4	268	352	377	71.4	65.0	16.0
7/8 x 12	1072555	1073171	3.27	1.31	22.2	29.5	65.0	20.6	47.8	198	297	325	82.6	78.5	19.1
7/8 x 18	1072573	1073199	3.27	1.47	22.2	29.5	65.0	20.6	47.8	275	373	402	82.6	78.5	19.1
1 x 6	1072591	1073215	4.54	1.61	25.4	34.0	70.1	23.9	53.8	129	237	269	94.7	87.4	22.4
1 x 12	1072617	1073233	4.54	1.91	25.4	34.0	70.1	23.9	53.8	205	314	345	94.7	87.4	22.4
1 x 18	1072635	1073251	4.54	2.22	25.4	34.0	70.1	23.9	53.8	281	390	421	94.7	87.4	22.4
1 x 24	1072653	1073279	4.54	2.52	25.4	34.0	70.1	23.9	53.8	357	466	498	94.7	87.4	22.4
1-1/4 x 12	1072671	1073297	6.89	3.67	31.8	46.7	94.5	30.2	66.8	213	362	401	125	115	28.7
1-1/4 x 18	1072699	1073313	6.89	4.15	31.8	46.7	94.5	30.2	66.8	289	438	477	125	115	28.7
1-1/4 x 24	1072715	1073331	6.89	4.62	31.8	46.7	94.5	30.2	66.8	365	514	553	125	115	28.7
1-1/2 x 12	1072733	1073359	9.71	5.57	38.1	52.3	106	37.3	79.2	222	383	428	134	130	35.1
1-1/2 x 18	1072751	1073377	9.71	6.26	38.1	52.3	106	37.3	79.2	298	459	504	134	130	35.1
1-1/2 x 24	1072779	1073395	9.71	6.94	38.1	52.3	106	37.3	79.2	375	535	580	134	130	35.1
1-3/4 x 18	1072813	1073439	12.7	8.57	44.5	66.0	118	43.7	88.9	309	470	523	159	152	41.4
1-3/4 x 24	1072831	1073457	12.7	9.50	44.5	66.0	118	43.7	88.9	385	546	599	159	152	41.4
2 x 24	1072859	1073475	16.8	16.0	50.8	66.5	142	53.1	106	396	605	670	185	175	50.8
2-1/2 x 24	1072877	1073493	27.2	25.3	63.5	77.7	148	60.5	143	437	650	739	230	191	57.2
2-3/4 x 24	1072895	1073518	34.0	32.8	69.9	93.7	167	73.2	155	441	679	781	243	213	69.9

*Mechanical galvanized

© 2025 Kito Crosby. All Rights Reserved.

HG-2510 Body

- Heat treat by normalizing.
- Hot-dip Galvanized.
- UNC threads
- Fatigue rated.
- Meets the performance requirements of Federal Specifications FF-T-791b,Type 1, Form 1 - Class 2, except for those provisions required by the contractor.



HG-2510 Body

Shank Dia. & Take Up (in)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)							
				AA	BB	CC	DD	EE	GG	HH	JJ
* 5/16 x 4-1/2	1033919	.36	.10	142	116	12.7	20.8	9.65	14.2	11.2	4.83
* 3/8 x 6	1033937	.54	.13	185	155	15.0	22.4	9.65	16.0	12.7	4.83
1/2 x 6	1033955	1.00	.32	196	153	21.1	30.2	17.3	20.6	16.0	7.11
† 1/2 x 9	1033973	1.00	.47	280	238	21.1	30.2	17.3	20.6	16.0	7.11
† 1/2 x 12	1033991	1.00	.58	356	314	21.1	30.2	17.3	20.6	16.0	7.11
5/8 x 6	1034017	1.59	.50	204	153	25.1	36.3	21.1	25.4	19.1	8.64
† 5/8 x 9	1034035	1.59	.72	289	239	25.1	36.3	21.1	25.4	19.1	8.64
† 5/8 x 12	1034053	1.59	.89	365	315	25.1	36.3	21.1	25.4	19.1	8.64
3/4 x 6	1034071	2.36	.68	210	156	26.9	44.2	23.9	28.7	23.9	10.2
† 3/4 x 9	1034099	2.36	.98	298	244	26.9	44.2	23.9	28.7	23.9	10.2
† 3/4 x 12	1034115	2.36	1.21	374	320	26.9	44.2	23.9	28.7	23.9	10.2
† 3/4 x 18	1034133	2.36	1.65	525	471	26.9	44.2	23.9	28.7	23.9	10.2
7/8 x 12	1034179	3.27	1.64	371	309	31.2	50.8	28.7	33.3	26.9	11.9
† 7/8 x 18	1034197	3.27	2.39	536	473	31.2	50.8	28.7	33.3	26.9	11.9
1 x 6	1034213	4.54	1.51	229	157	35.8	62.2	31.8	38.1	31.8	15.2
1 x 12	1034231	4.54	2.42	381	309	35.8	62.2	31.8	38.1	31.8	15.2
† 1 x 18	1034259	4.54	3.33	533	462	35.8	62.2	31.8	38.1	31.8	15.2
† 1 x 24	1034277	4.54	4.47	703	631	35.8	62.2	31.8	38.1	31.8	15.2
1-1/4 x 12	1034339	6.89	2.59	391	306	42.4	66.5	31.8	47.8	38.1	14.2
1-1/4 x 18	1034357	6.89	3.44	544	459	42.4	66.5	31.8	47.8	38.1	14.2
† 1-1/4 x 24	1034375	6.89	4.29	710	625	42.4	66.5	31.8	47.8	38.1	14.2
1-1/2 x 12	1034437	9.71	3.63	402	313	44.5	75.9	38.1	57.2	44.5	15.7
1-1/2 x 18	1034455	9.71	4.72	554	465	44.5	75.9	38.1	57.2	44.5	15.7
† 1-1/2 x 24	1034473	9.71	5.85	723	633	44.5	75.9	38.1	57.2	44.5	15.7
1-3/4 x 18	1034552	12.7	7.12	570	467	51.6	91.9	44.5	66.5	53.8	19.1
1-3/4 x 24	1034570	12.7	8.71	722	619	51.6	91.9	44.5	66.5	53.8	19.1
2 x 24	1034632	16.8	11.7	740	622	58.9	105	50.8	76.2	60.5	22.4
2-1/2 x 24	1034678	27.2	25.4	804	625	89.7	143	69.9	98.6	79.3	31.8
2-3/4 x 24	1034696	34.0	24.5	804	626	88.9	143	69.9	98.6	114	31.8

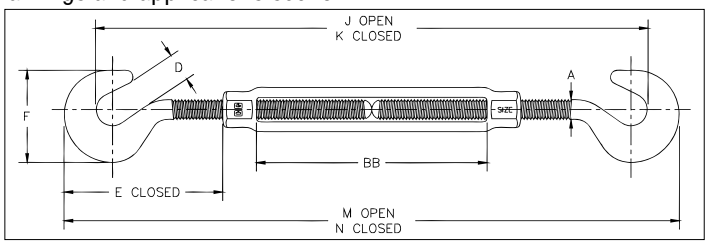
*Mechanically galvanized
†Contains Center Rib for additional body support

© 2025 Kito Crosby. All Rights Reserved.



HG-223

- End fittings are Quenched & Tempered or normalized, bodies heat-treated by normalizing.
- Hot-dip galvanized steel.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Modified UNJ thread on end fittings for improved fatigue properties.
- Body has UNC threads.
- Lock nuts available for all sizes.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Meets the performance requirements of Federal Specifications FF-T-791b, Type 1 Form 1 - CLASS 5, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see warnings and applications section.



HG-223 Hook & Hook

Thread Dia. & Take Up (in)	Stock No.	Working Load Limit (t)*	Weight Each (kg)	Dimensions (mm)								
				A	D	E Closed	F	J Open	K Closed	M Open	N Closed	BB
1 x 12	1030333	2.27	6.70	25.4	31.8	167	108	929	637	1019	714	309

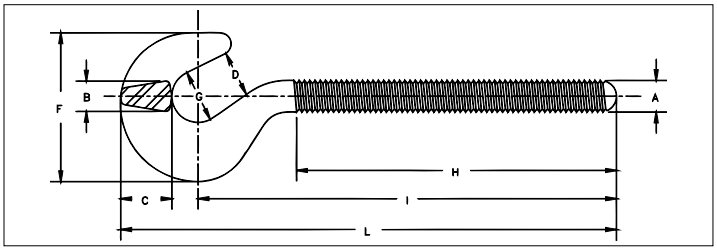
5:1 Design Factor. Proof Load is 2.5 times the Working Load Limit.

10



HG-4037

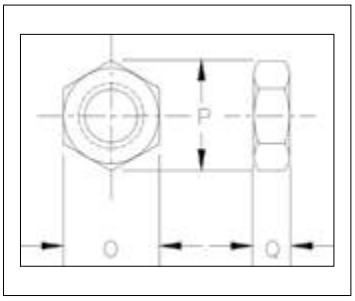
- Quenched & Tempered or normalized.
- Hot-dip galvanized steel.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



HG-4037 Hook End Fittings

Shank Dia. & Take Up (in)	RH Hook Stock No.	LH Hook Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)								
					A	B	C	D	F	G	H	I	L
1 x 12	1070334	1070851	2.27	2.14	25.4	25.4	38.9	31.8	108	35.1	205	301	357

© 2025 Kito Crosby. All Rights Reserved.



HG-4060 / HG-4061

- Secures the turnbuckle into position at final adjustment.

HG-4060 / HG-4061 Lock Nuts

Shank Diameter (in)	RIght Hand HG-4060 Stock No.	Left Hand HG-4061 Stock No.	Weight Per 100 (kg)	Dimensions (mm)		
				O	P	Q
1/4	1075115	1075491	.36	11.2	12.7	4.05
5/16	1075133	1075516	.59	12.7	14.2	4.85
3/8	1075151	1075534	.91	14.2	16.3	5.60
1/2	1075197	1075570	1.81	19.1	21.8	7.85
5/8	1075213	1075598	3.18	23.9	26.9	9.65
3/4	1075231	1075614	4.99	28.7	32.0	10.7
7/8	1075259	1075632	7.39	33.3	38.1	12.2
1	1075277	1075650	10.8	38.1	42.9	14.0
1-1/8	1075295	1075678	14.5	38.1	42.9	14.0
1-1/4	1075311	1075696	28.3	47.8	54.0	18.3
1-1/2	1075357	1075730	32.7	57.0	64.5	21.3
1-3/4	1075393	1075776	51	70.0	81.0	25.4
2	1075419	1075794	68	79.0	91.5	28.4
2-1/2	1075455	1075838	150	98.5	114	38.1
2-3/4	1075473	1075856	193	108	125	41.1

© 2025 Kito Crosby. All Rights Reserved.

Alloy Steel Rigging Screw No 801 / 802 / 804 Grade 6

Standard Working load acc. to US Federal spec. FF-T-791.b.
Supplied with closed body from 5,510 - 37,468 lb, larger dimensions open body.

Material: Quenched & Tempered alloy steel.

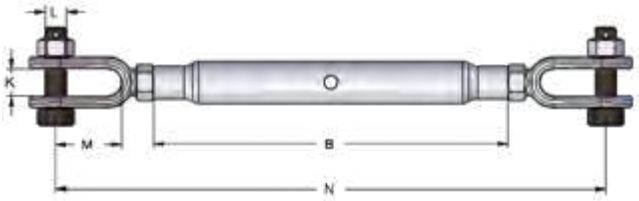
Surface treatment Hot-dip galvanized.

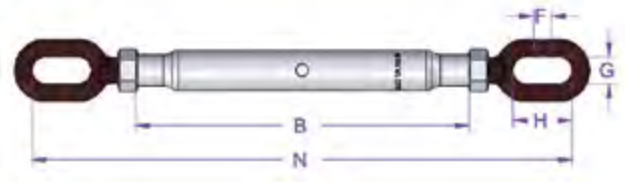
Design Factor 5:1

Certificate: Test certificate and traceable 3.1 certificate supplied on request.

Tolerances: +/- 5%

Temperature: -20°C to 200°C





Stock no. Jaw/Jaw 801	Stock no. Jaw/Eye 802	Stock no. Eye/Eye 804	Thread M/UNC	WLL (t)	Take up range (mm)	Dimensions (mm)								Weight each (kg)
						B	N	K	L	M	F	G	H	
A801420	A802420	A804420	M 20	2.5	210	270	455	20	16	50	13	21	45	2.3
A801424	A802424	A804424	M 24	5.0	250	340	570	28	22	65	19	28	56	4.6
A801432	A802432	A804432	1-1/4	7.0	270	370	680	38	28	85	22	35	70	8.0
A801438	A802438	A804438	1-1/2	10.0	300	400	790	45	32	100	25	40	78	14.0
A801445	A802445	A804445	1-3/4	13.0	360	500	870	50	39	105	30	45	90	24.0
A801450	A802450	A804450	2”	17.0	450	600	1030	58	45	120	35	45	100	38.0

Rigging Screw No 401 / 402 / 404 - Hot-Dip Galvanized

Design: Jaw-Jaw (jaw-eye and eye-eye on request)

Standard According to B.S. 4429, closed body - with locking nut.

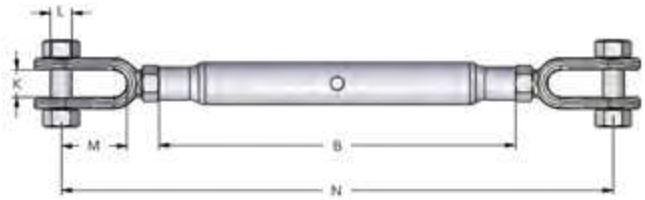
Material: St. 42/St. 52, normalized

Surface treatment Hot-dip galvanized (M6 & M8 zinc plated).

Design Factor 5:1

Note: The items marked with * below are not for lifting.

Tolerances: +/- 5%



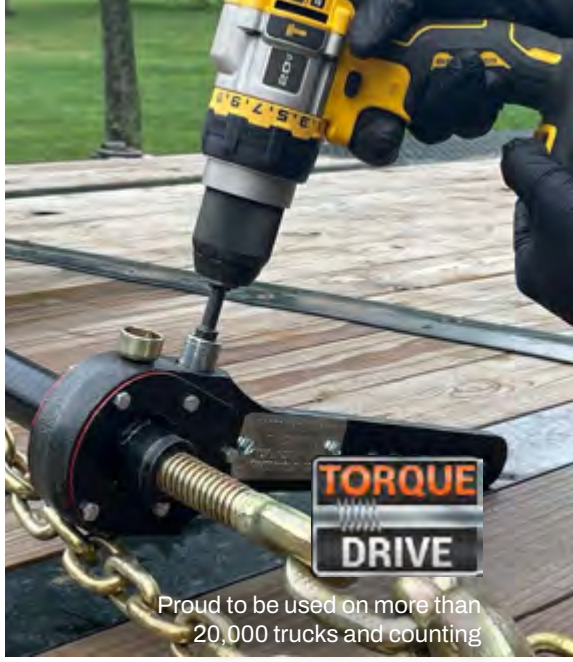


Stock no. Jaw/ Jaw 401	Stock no. Jaw/ Eye 402	Stock no. Eye/Eye 404	Thread M/UNC	WLL (t)	Take up range (mm)	Dimensions (mm)								Weight each (kg)
						B	N	L	M	K	F	G	H	
A401510	A402410	A404410	M 10	0.5	90	145	225	8	20	9.5	7	13	13	0.3
A401512	A402412	A404412	M 12	0.7	155	195	315	10	30	13	10	14	28	0.65
A401516	A402416	A404416	M 16	1.2	185	230	380	12	44	18	12	18	45	1.25
A401520	A402420	A404520	M 20	1.5	210	270	450	16	50	20	13	21	45	2.2
A401422	A402422	A404422	M 22	2.2	230	295	500	20	60	25	16	24	50	3.3
A401424	A402424	A404424	M 24	3.2	250	325	555	22	65	28	19	28	56	4.6
A401432	A402432	A404432	1-1/4	4.8	290	370	680	28	85	38	22	35	70	8.5
A401438	A402438	A404438	1-1/2	6.0	300	400	760	32	100	45	25	40	90	14.5
A401445	A402445	A404445	1-3/4	8.5	290	400	760	38	105	50	30	45	90	20.9
A401452	A402452	A404452	2”	11.0	290	400	820	45	120	58	35	45	100	24.0

* Will not be delivered with lifting certificate.

© 2025 Kito Crosby. All Rights Reserved.



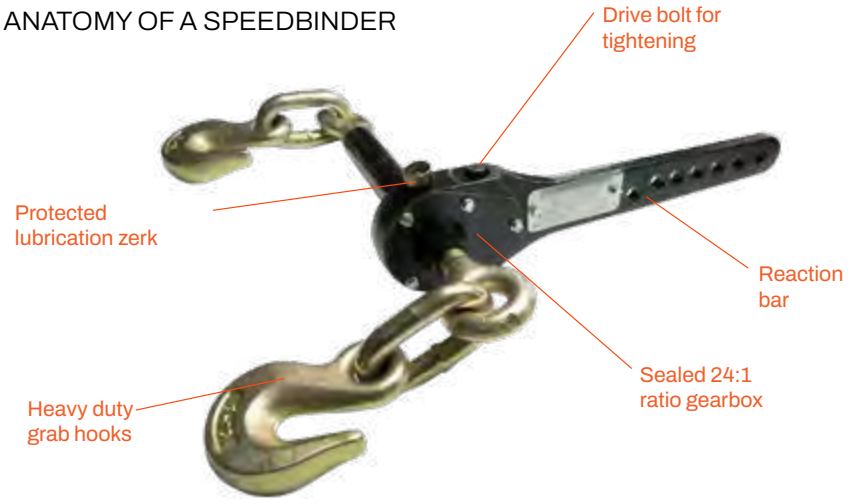


Proud to be used on more than 20,000 trucks and counting

EFFICIENT & ERGONOMIC LOAD SECUREMENT TECHNOLOGY

Speedbinders is changing the load binder industry with patented **Torque Drive** technology. Our line of products provide considerable time savings and enhanced safety benefits for drivers by eliminating repetitive, straining operations. Torque Drive binders are revolutionizing load securement. By adopting the practice of using portable power drill to secure loads and pull the chain tight, you can alleviate shoulder strain, reduce injuries, and allow for easier operation and reduced operation time.

ANATOMY OF A SPEEDBINDER



- ENHANCED SAFETY FEATURES
- MORE ERGONOMIC
- QUICKER TIE-DOWN & RELEASE TIMES
- LONGER LASTING
- HIGHEST TENSION
- EASY TO OPERATE IN TIGHT SPOTS
- UNMATCHED TENSION RETENTION
- TAMPER-RESISTANT

PRODUCT RANGE



TD66BL
Color marking: Blue
WLL: 2,994 kg
Chain size: 8mm-10mm
Proof tested to: 5,987 kg
Design factor: 3:1
Common applications: Light equipment transport, Logging



TD92RL
Color marking: Red
WLL: 4,173 kg
Chain size: 10mm-13mm
Proof tested to: 8,347 kg
Design factor: 3:1
Common applications: Equipment transport, Heavy towing, Steel coil transport



TD13GLHH
Color marking: Green
WLL: 5897 kg
Chain size: 13mm-16mm
Proof tested to: 11,794 kg
Design factor: 3:1
Common applications: Equipment transport, Heavy hauling, Steel coil transport

Speedbinders™ find more information in section 13



LIFTING POINTS

A full range of quality lifting points for screw-in, weld-on, or through-hole applications



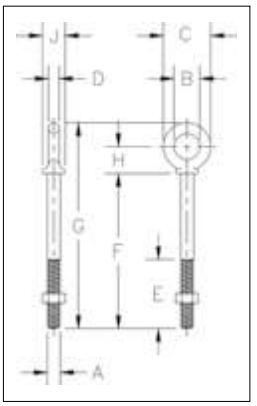
kitocrosby.com

Crosby

G-277



- Forged steel, Quenched & Tempered.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Working Load Limits shown are for in-line pull. For angle loading, see warnings and application section.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these bolts meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- All bolts hot-dip Galvanized after threading (UNC).
- Furnished with standard hot-dip Galvanized, heavy hex nuts.



G-277 Shoulder Nut Eye Bolts

Shank Diameter & Length (mm)	Stock No.	Working Load Limit (t)	Weight Per 100 (kg)	Dimensions (mm)								
				A	B	C	D	E	F	G	H	J
9.53 x 63.5	1045096	.70	9.71	9.7	19.1	35.1	7.9	38.1	63.5	101	19.8	16.8
9.53 x 114	1045112	.70	11.5	9.7	19.1	35.1	7.9	63.5	114	152	19.8	16.8
12.7 x 82.5	1045130	1.18	19.3	12.7	25.4	44.5	9.7	38.1	82.5	130	25.4	23.1
12.7 x 152	1045158	1.18	25.8	12.7	25.4	44.5	9.7	76.0	152	200	25.4	23.1
15.9 x 102	1045176	2.35	31.1	15.7	31.8	57.0	12.7	51.0	102	164	33.3	28.4
15.9 x 152	1045194	2.35	46.4	15.7	31.8	57.0	12.7	76.0	152	214	33.3	28.4
19.1 x 114	1045210	3.26	66	19.1	38.1	70.0	15.7	51.0	114	189	39.6	35.1
19.1 x 152	1045238	3.26	76	19.1	38.1	70.0	15.7	76.0	152	227	39.6	35.1
22.2 x 127	1045256	4.80	102	22.4	44.5	82.5	19.1	63.5	127	215	46.7	39.6
25.4 x 152	1045292	6.03	166	25.4	51.0	95.5	22.4	76.0	152	253	53.0	46.0
25.4 x 229	1045318	6.03	192	25.4	51.0	95.5	22.4	102	229	329	53.0	46.0
31.8 x 203	1045336	9.52	295	31.8	63.5	114	25.4	102	203	323	62.5	58.0
31.8 x 305	1045354	9.52	361	31.8	63.5	114	25.4	102	305	425	62.5	58.0
38.1 x 381	1045372	10.8	646	38.1	76.0	140	31.8	152	381	527	76.0	70.0

5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

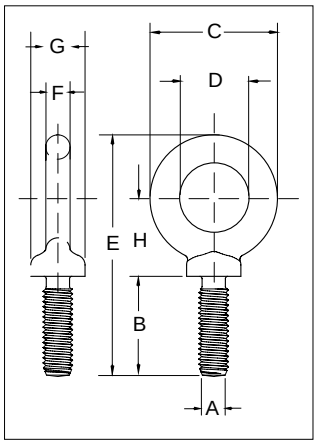
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

S-279 / M-279



- Forged steel - Quenched & Tempered.
- Working Load Limits shown are for in-line pull. For angle loading, see Warnings & Applications.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Recommended for in-line pull.
- S-279 threaded UNC.
- M-279 metric threaded.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these bolts meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



S-279 UNC Shoulder Type Machinery Eye Bolts

Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)							
				A* Thread	B	C	D	E	F	G	H
9.53 x 31.8	9900208	.70	.06	3/8 - 16	32.3	41.1	25.4	78.0	7.85	17.5	26.7
12.7 x 38.1	9900217	1.18	.12	1/2 - 13	38.9	49.5	30.2	94.0	9.65	23.1	32.3
15.9 x 44.5	9900226	2.35	.24	5/8 - 11	45.5	60.5	35.1	113	12.7	28.7	38.9
19.1 x 51.0	9900235	3.26	.43	3/4 - 10	52.0	70.0	38.1	129	16.0	35.1	43.4
22.2 x 57.0	9900244	4.80	.70	7/8 - 9	58.5	82.5	44.5	149	19.1	39.6	50.8
25.4 x 63.5	9900253	6.03	1.1	1 - 8	65.5	95.5	51.0	169	22.4	46.0	58.4
28.5 x 70.0	9900257	6.80	1.5	1-1/8 - 7	69.8	107	57.1	183	24.6	52.3	59.7
31.8 x 76.0	9900262	9.52	1.8	1-1/4 - 7	78.5	114	63.5	202	25.4	58.0	69.3
38.1 x 89.0	9900271	10.8	3.2	1-1/2 - 6	91.5	140	76.0	241	31.8	70.0	83.3
44.5 x 95.0	9900280	15.4	4.7	1-3/4 - 5	95.2	159	88.9	266	35.0	76.2	91.4
51 x 102	9900289	19.0	8.6	2 - 4-1/2	102	194	101	313	46.0	85.9	114
63.5 x 127	9900298	29.5	14.5	2-1/2 - 4	127	223	114	378	53.8	108	140

5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. *All bolts threaded UNC.

APPLICATION AND WARNING INFORMATION
SECTION 17
11

M-279 Metric Shoulder Type Machinery Eye Bolts

Size (mm)	Stock No.	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)							
				A* Thread	B	C	D	E	F	G	H
M6 x 13	1045753	.20	.03	M6 x 1.0	13.0	28.7	19.1	47.0	4.9	13.5	19.6
M8 x 13	1045789	.40	.05	M8 x 1.25	13.0	35.1	22.4	54.6	6.4	15.0	24.1
M10 x 17	1045833	.64	.07	M10 x 1.5	17.0	41.1	25.4	64.3	7.9	17.5	26.5
M12 x 20.5	1045869	1.0	.11	M12 x 1.75	20.5	49.5	30.2	77.7	9.7	23.1	32.8
M16 x 27	1045913	1.8	.25	M16 x 2.0	27.0	60.5	35.1	96.0	12.7	28.7	38.9
M20 x 30	1045995	2.5	.42	M20 x 2.5	30.0	70.0	38.1	108	16.0	35.1	43.4
M24 x 36	1046029	4.0	1.05	M24 x 3.0	36.0	95.5	51.0	142	22.4	46.0	58.4
M27 x 69.8	1046038	5.0	1.42	M27 x 3.0	69.8	107	57.1	183	24.6	52.3	59.7
M30 x 45	1046075	6.0	1.77	M30 x 3.5	45.0	114	63.5	171	25.4	58.0	69.3
M36 x 54	1046109	8.5	3.12	M36 x 4.0	54.0	140	76.0	207	31.8	70.0	83.3
M42 x 95.2	1046118	14.0	4.58	M42 x 4.5	95.2	159	88.9	266	35.0	76.2	91.4
M48 x 102	1046127	17.3	8.71	M48 x 5.0	102	194	101	313	46.0	85.9	114
M64 x 127	1046136	29.5	14.74	M64 x 6.0	127	223	114	378	53.8	108	140

5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit.

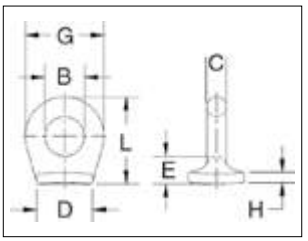
© 2025 Kito Crosby. All Rights Reserved.

Crosby

S-264



- Forged steel - Quenched & Tempered.
- Forged from 1035 carbon steel.
- Excellent welding qualities.
- Widely used on farm machinery, trucks, steel hulled marine vessels and material handling equipment.
- Reference American Welding Society specifications for proper welding procedures.



S-264 Pad Eyes

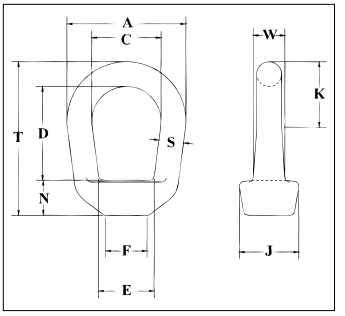
Size No.	Stock No.	Weight Per 100 (kg)	Dimensions (mm)						
			B	C	D	E	G	H	L
* 0	1090722	1.27	6.35	4.85	16.0	7.85	16.0	2.30	19.1
* 1	1090740	2.95	9.65	6.35	22.4	10.4	22.4	3.30	26.2
* 1-1/2	1090768	4.72	16.0	6.35	25.4	11.2	28.7	4.05	33.3
2	1090786	9.57	19.1	9.65	26.9	12.7	38.1	4.85	41.4
4	1090802	23.7	25.4	14.2	36.6	19.8	54.0	5.60	59.5
5	1090820	37.4	31.8	17.5	44.5	20.6	67.0	6.35	70.0

*Meets the requirements of Military Specification MS-51930A.

G-400



- Forged steel - Quenched & Tempered.
- Hot-dip Galvanized
- Tapped with standard UNC class 2 threads after galvanizing.
- Also available in blank (as forged) item (S-4028).
- Meets or exceeds all requirements of ASME B30.26.



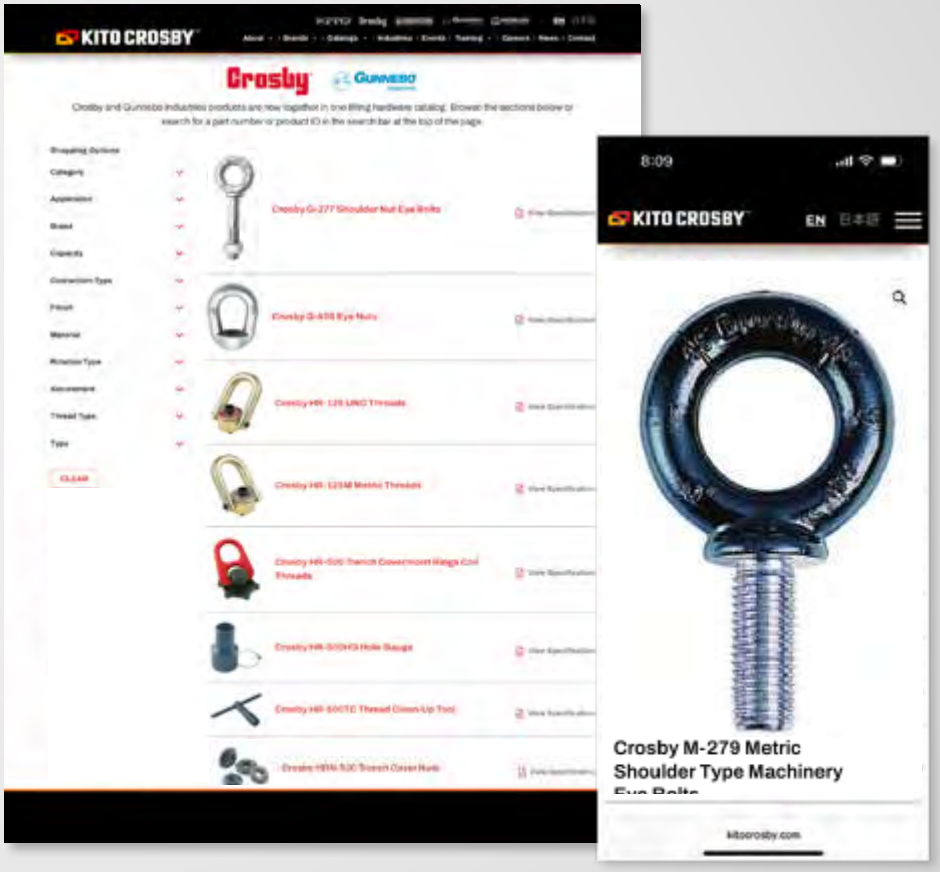
G-400 Eye Nuts

Size No.	"S" Stock Size (mm)	Stock No	Std. Tap Size (in)	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)									
						A	C	D	E	F	J	K	N	T	W
1	6.35	1090438	1/4	.24	.04	31.8	19.1	25.4	19.1	12.7	17.5	16.0	9.65	43.7	7.85
2	7.85	1090474	3/8	.57	.08	41.1	25.4	30.5	21.1	14.2	20.6	22.6	12.7	53	10.4
3A	9.65	1090517	1/2	1.02	.13	51.0	31.8	36.6	27.4	20.6	25.4	27.7	15.7	63.5	12.7
4	12.7	1090535	5/8	1.63	.27	63.5	38.1	48.8	34.3	25.4	33.3	33.3	17.5	82.5	17.5
5	16	1090553	3/4	2.36	.45	76.0	44.5	60.5	40.4	28.4	38.1	39.9	22.4	98.8	21.3
6	19.1	1090571	7/8	3.27	.75	89.0	51.0	66.8	49.8	35.1	47.8	45.0	23.9	110	25.4
7	22.4	1090599	1	4.54	1.22	102	57.0	77.7	56.0	39.6	54.0	51.5	27.2	127	30.2
8	25.4	1090633	1-1/4	7.03	1.98	114	63.5	88.9	62.5	47.8	60.5	57.5	31.8	147	35.1
9	28.7	1090651	1-3/8	8.39	2.27	127	70.0	102	68.5	51.0	65.0	64.5	35.1	165	38.1
10	31.8	1090679	1-1/2	10.21	3.08	143	79.0	109	78.5	57.0	76.0	71.5	38.1	179	42.2
11	38.1	1090697	2	18.14	6.62	181	104	157	104	79.5	95.5	93.5	52.3	252	49.3

5:1 Design Factor. Working Load Limit shown is for In-Line pull. Rating based on standard tap size.

© 2025 Kito Crosby. All Rights Reserved.

A faster, more convenient way to find product information



Introducing our completely redesigned digital catalog.

Access comprehensive, always up-to-date Crosby & Gunnebo Industries product information and resources from your desktop or mobile device.

kitocrosby.com

© 2025 Kito Crosby. All Rights Reserved.

Swivel Hoist Ring



HR-125M
Swivel Hoist Ring

Color coded to distinguish between UNC (Red) and Metric (Silver) thread types.



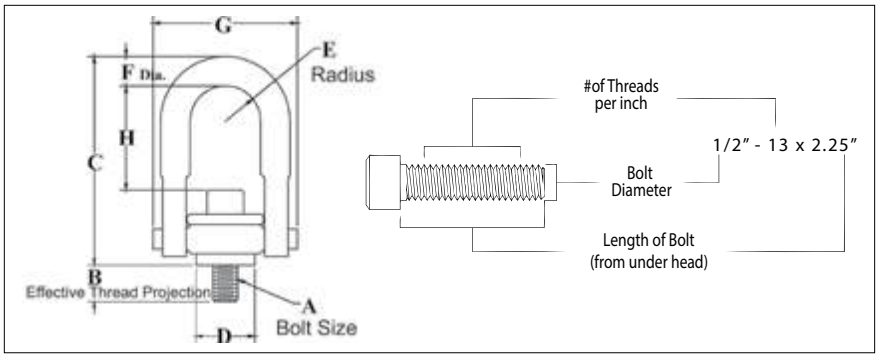
HR-125
Swivel Hoist Ring

- Available in UNC and Metric thread sizes.
- UNC threads available in sizes from 800 pounds to 100,000 pounds Working Load Limit, with a design factor of 5 to 1.
- Metric threads available in sizes from 400kg to 16,900kg and dual rated in both a 4 to 1 and 5 to 1 design factor.
- All components are alloy steel - Quenched & Tempered.
- Designed to be used at full WLL within angular loading range.
- 100% individually proof tested to 2-1/2 times the Working Load Limit with certification and Statistically Magnetic Particle inspected. (Can be furnished 100% Magnetic Particle inspected when requested at time of order.)
- Each product has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby or “CG” stamped into it.
- 360° swivel and 180° pivot action.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Individually packaged along with proper application instructions and warning information.
- Bolt is secured with E-clip, threads are grooved. This method allows for easy disassembly and assembly of hoist ring for thorough examination of all components. Replacement kits are available.
- Bolts are individually Proof Tested.
- Multiple bolt length available to meet specific application requirements.
- Zinc plated (yellow chromate) finish for increased corrosion protection.
- Meets or exceeds all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these hoist rings meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

© 2025 Kito Crosby. All Rights Reserved.

HR-125





- Top washer has the following features:
  - The Working Load Limit and recommended torque value are permanently stamped into each washer.
  - Washer is color-coded for easy identification: Red - UNC thread.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- Bolt specification is an alloy socket head cap screw to ASTM A 574.
- All threads listed are UNC.
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.

HR-125 UNC Threads

Frame Size No.	Stock No.	Working Load Limit (kg)	Torque (Nm)	Bolt Size A (in)	Dimensions (mm)							Weight Each (kg)	Replacement Bolt Kit Stock No.
					Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H		
1 †	1016887	363	10	5/16 - 18 x 1.50	14.7	69.1	24.6	11.7	8.60	47.5	28.4	.17	1015502
1 †	1016898	454	16	3/8 - 16 x 1.50	14.7	69.1	24.6	11.7	8.60	47.5	26.7	.18	1015533
2	1016909	1134	38	1/2 - 13 x 2.00	17.8	123	49.8	22.1	19.0	85.1	58.2	1.06	1015566
2 †	1016912	1134	38	1/2 - 13 x 2.50	30.5	123	49.8	22.1	19.0	85.1	58.2	1.07	1015575
2	1016920	1814	81	5/8 - 11 x 2.00	17.8	123	49.8	22.1	19.0	85.1	54.9	1.09	1015599
2 †	1016924	1814	81	5/8 - 11 x 2.75	36.8	123	49.8	22.1	19.0	85.1	54.9	1.12	1015610
2	1016931	2268	136	3/4 - 10 x 2.25	24.1	123	49.8	22.1	19.0	85.1	51.8	1.14	1015632
2 †	1016935	2268	136	3/4 - 10 x 2.75	36.8	123	49.8	22.1	19.0	85.1	51.8	1.17	1015643
3	1016942	3175*	136	3/4 - 10 x 2.75	22.6	167	75.2	34.5	23.9	124	75.4	3.05	1015646
3 †	1016946	3175*	136	3/4 - 10 x 3.50	41.7	167	75.2	34.5	23.9	124	75.4	3.09	1015676
3	1016953	3629	217	7/8 - 9 x 2.75	22.6	167	75.2	34.5	23.9	124	72.1	3.10	1015698
3 †	1016957	3629	217	7/8 - 9 x 3.50	41.7	167	75.2	34.5	23.9	124	72.1	3.16	1015707
3	1016964	4536	312	1 - 8 x 3.00	29.0	167	75.2	34.5	23.9	124	69.1	3.22	1015731
3 †	1016969	4536	312	1 - 8 x 4.00	54.4	167	75.2	34.5	23.9	124	69.1	3.32	1015740
4	1016975	6804	637	1-1/4 - 7 x 4.50	56.1	221	94.2	44.5	30.2	157	99.8	6.58	1015762
5	1016986	10890	1085	1-1/2 - 6 x 6.75	3.0	315	120	60.7	44.5	215	143	17.1	1015799
5	1016997	13610	1491	2 - 4-1/2 x 6.75	3.0	315	120	60.7	44.5	215	131	18.5	1015830
6	1017001	22680	2847	2-1/2 - 4 x 8.0	102	429	146	76.2	57.2	279	204	39.9	6607795
7	1017005	34020	5830	3 - 4 x 10.5	127	495	184	95.3	69.9	360	216	75.3	-
8	1017009	45360	6915	3-1/2 - 4 x 13.0 #	178	561	197	102	82.6	404	236	120	-

5:1 Design Factor. *4.5:1 Design Factor when tested in 90 degree orientation. †Long Bolts are designed to be used with soft metal (i.e., aluminum) workpiece. While the long bolts may also be used with ferrous metal (i.e.,steel & iron) workpiece, short bolts are designed for ferrous workpieces only. Hex head bolt used on Frame 8 (100,000 lb) Hoist Ring.

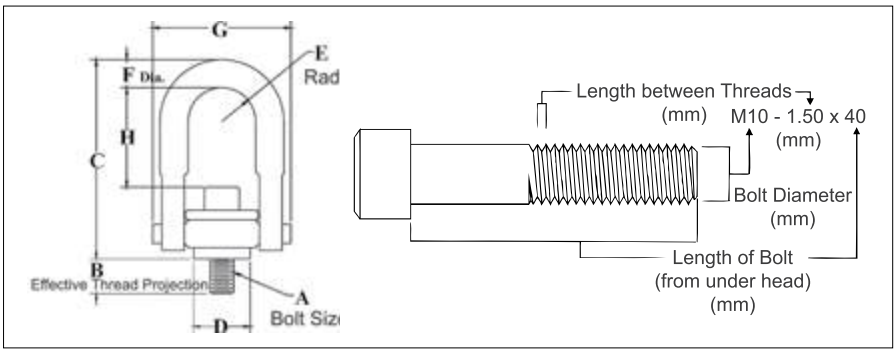
11

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

HR-125M





- Top washer has the following features:
  - The Working Load Limit and recommended torque value are permanently stamped into each washer.
  - Washer is color-coded for easy identification: Silver - Metric thread.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- Bolt specification is a Grade 12.9 alloy socket head cap screw to ISO 4762. All threads listed are metric (ASME B18.3.1m).
- Designed to be used with ferrous workpiece only.
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.

HR-125M Metric Threads

Frame Size No.	Stock No.	Working Load Limit (kg)		Torque (Nm)	Dimensions (mm)								Weight Each (kg)	Replacement Bolt Kit Stock No.
		5:1 Design Factor †	4:1 Design Factor †		Bolt Size A	Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H		
1	1016602	400	500	10	M8X1.25X40	16.9	69.9	24.6	11.8	8.5	47.5	29.9	.17	1015875
1	1016613	450	550	16	M10X1.50X40	16.9	69.9	24.6	11.8	8.5	47.5	28.1	.18	1015884
2	1016624	1050	1300	38	M12X1.75X50	16.9	123	49.8	22.3	17.5	85.1	60.4	1.05	1015897
2	1016635	1900	2400	81	M16X2.00X60	26.9	123	49.8	22.3	17.5	85.1	56.3	1.11	1015906
2	1016644	2150	2700	136	M20X2.50X65	31.9	123	49.8	22.3	17.5	85.1	52.3	1.17	1015919
3	1016657	3000	3750	136	M20X2.50X75	27.8	167	75.2	34.7	25.4	124	76.6	3.09	1015930
3	1016668	4200	5250	312	M24X3.00X80	32.8	167	75.2	34.7	25.4	124	70.5	3.21	1015941
4	1016679	7000	8750	637	M30X3.50X120	61.7	222	94.2	44.5	30.5	157	102	6.53	1015952
5	1016690	11000	13750	1005	M36X4.00X150	54.0	318	120	60.7	44.5	215	142	16.8	1015963
5	1016701	12500	15600	1005	M42X4.50X160	64.0	318	120	60.7	44.5	215	136	17.4	1015974
5	1016712	13500	16900	1350	M48X5.00X160	74.0	318	120	60.7	44.5	215	130	18.0	1015986

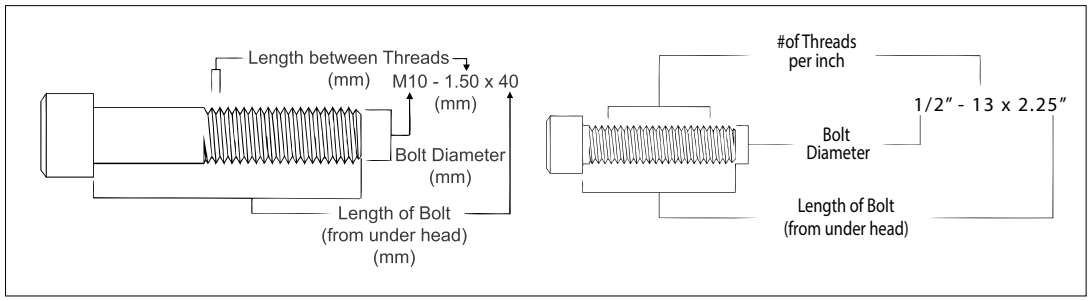
† Individually proof loaded to 2-1/2 times the Working Load Limit based on the 4:1 design factor.

APPLICATION AND WARNING INFORMATION
SECTION 17

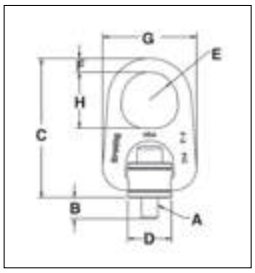
© 2025 Kito Crosby. All Rights Reserved.

HR-1000





- Forged bail provides the following:
  - Easily readable raised lettering showing the name Crosby or "CG" and PIC for material traceability.
  - Greater durability providing the increased "Toughness" desired in potentially abusive field conditions.
  - Larger opening than standard hoist ring bail.
- Top washer is color-coded for easy identification (Red for UNC threads and Silver for Metric threads)
- The Working Load Limit and Recommended Torque value are permanently stamped into each washer.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- Available in both UNC thread and Metric thread style.
- UNC bolt specification is an alloy socket head cap screw to ASTM A 574. Metric bolt specification is a Grade 12.9 alloy socket head cap screw to ISO 4762.
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing. Illustration shows meaning of each dimension given.



HR-1000 UNC Threads

Frame Size No.	Stock No.	Working Load Limit (kg)	Torque (Nm)	Bolt Size A (in)	Dimensions (mm)							Weight Each (kg)	Replacement Bolt Kit Stock No.
					Eff. Thread Projection Length B	C	D	Radius E	F	G	H		
1	1068002	363	10	5/16 - 18 x 1.50	13.2	93.7	24.6	15.7	11.2	57.7	35.1	.27	1078200
1	1068006	454	16	3/8 - 16 x 1.50	13.2	93.7	24.6	15.7	11.2	57.7	35.1	.28	1078204
2	1068010	1134	38	1/2 - 13 x 2.25	17.5	159	49.8	31.8	.75	107	63.5	1.38	1078208
2 †	1068014	1134	38	1/2 - 13 x 2.75	30.2	159	49.8	31.8	.75	107	63.5	1.39	1078212
2	1068018	1814	81	5/8 - 11 x 2.25	17.5	159	49.8	31.8	.75	107	63.5	1.41	1078216
2 †	1068022	1814	81	5/8 - 11 x 3.00	36.6	159	49.8	31.8	.75	107	63.5	1.44	1078220
2	1068026	2268	136	3/4 - 10 x 2.50	23.9	159	49.8	31.8	.75	107	63.5	1.47	1078224
2 †	1068030	2268	136	3/4 - 10 x 3.00	36.6	159	49.8	31.8	.75	107	63.5	1.50	1078228
3	1068034	3175*	136	3/4 - 10 x 3.00	21.6	220	75.2	41.4	25.4	159	82.6	4.58	1078232
3 †	1068038	3175*	136	3/4 - 10 x 3.50	34.3	220	75.2	41.4	25.4	159	82.6	4.63	1078236
3	1068042	3629	217	7/8 - 9 x 3.00	21.6	220	75.2	41.4	25.4	158	82.6	4.63	1078240
3 †	1068046	3629	217	7/8 - 9 x 3.50	34.3	220	75.2	41.4	25.4	158	82.6	4.71	1078244
3	1068050	4536	312	1 - 8 x 3.50	34.3	220	75.2	41.4	25.4	158	82.6	4.76	1078248
3 †	1068054	4536	312	1 - 8 x 4.50	59.7	220	75.2	41.4	25.4	158	82.6	4.86	1078252
4	1068058	6804	637	1-1/4 - 7 x 5.00	53.1	285	94.2	50.8	31.8	199	102	9.93	1078256
4	1068062	10890	1085	1-1/2 - 6 x 5.50	65.8	285	94.2	50.8	36.6	199	102	10.4	1078260

5:1 Design Factor. *4.5:1 Design Factor when tested in 90 degree orientation. †Long Bolts are designed to be used with soft metal (i.e., aluminum) workpiece.

HR-1000M Metric Threads

Frame Size No.	Stock No.	Working Load Limit (kg)		Torque Nm	Dimensions (mm)								Weight Each (kg)	Replacement Bolt Kit Stock No.
		5:1 Design Factor*	4:1 Design Factor*		Bolt Size A	Eff. Thread Projection Length B	C	D	Radius E	F	G	H		
1	1068307	400	500	10	M8 x 1.25 x 40	15.2	93.7	24.6	15.7	11.2	57.7	35.1	0.3	1078401
1	1068316	450	550	16	M10 x 1.50 x 40	15.2	93.7	24.6	15.7	11.2	57.7	35.1	0.3	1078410
2	1068325	1050	1300	38	M12 x 1.75 x 55	15.5	162	49.8	31.8	19.1	107	63.5	1.5	1078429
2	1068334	1900	2400	81	M16 x 2.00 x 65	25.5	162	49.8	31.8	19.1	107	63.5	1.5	1078438
2	1068343	2150	2700	136	M20 x 2.50 x 70	30.5	162	49.8	31.8	19.1	107	63.5	1.6	1078447
3	1068352	3000	3750	136	M20 x 2.50 x 80	25.4	220	75.2	41.4	25.4	159	82.6	4.6	1078456
3	1068361	4200	5250	312	M24 x 3.00 x 90	35.4	220	75.2	41.4	25.4	159	82.6	4.8	1078463
4	1068370	7000	8750	637	M30 x 3.50 x 140	66.2	285	94.2	50.8	31.8	199	102	9.7	1078472
4	1068389	11000	13750	1005	M36 x 4.00 x 130	56.2	285	94.2	50.8	31.8	199	102	10.2	1078481

*Individually proof loaded to 2-1/2 times the Working Load Limit based on the 4:1 Design Factor.

11

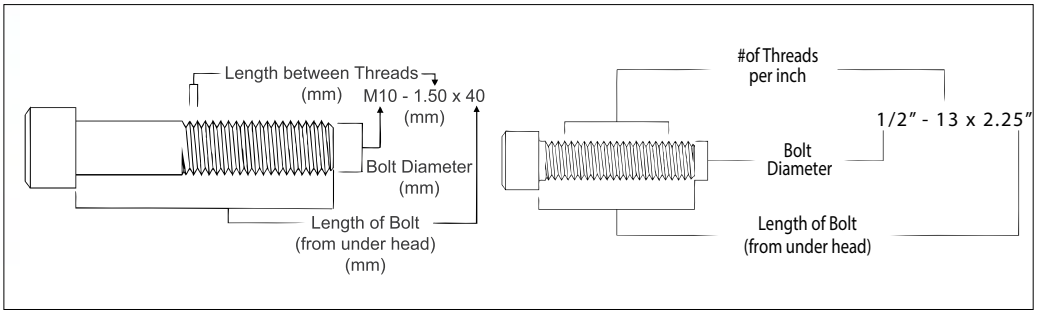
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

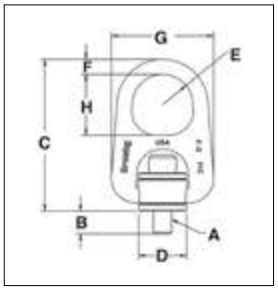
Crosby

HR-1000CT





- All load bearing components are heat treated, Quenched & Tempered alloy steel.
- All components, with the exception of the retaining ring, are produced with maximum material hardness of 34 HRc.
- All primary load-bearing components have Charpy impact testing. The body, bushing, washer and bail meet impact requirements of 42-joule min. avg. at -20°C. The bolt meets impact requirements of 27-joule min. avg. at -100°C.
- Individually magnetic particle inspected with certification.
- Forged bail provides the following:
  - Easily readable raised lettering showing the name Crosby or "CG" and PIC for material traceability.
  - Greater durability providing the increased toughness desired in potentially abusive field conditions.
  - Larger opening than standard hoist ring bail.
- Bolt specification is an alloy socket head cap screw to ASTM A320 Grade L7 or L43.
- Top washer is color-coded for easy identification (blue for UN threads and grey for Metric threads).
- The Working Load Limit and recommended torque value are permanently stamped into each washer.
- Individually Proof Tested to 2 times Working Load Limit (90° and in-line).
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.
- Type approval and certification in accordance with DNV Offshore Standard DNV-OS-E101, Drilling Plant, Standard for Certification DNVGL-ST-0378, Lifting Appliances, and DNVGL-SI-0166.
- Individually serialized.
- 100% MPI all primary load bearing components.
- Coating: Thermo-diffusion galvanized.
- Optional bolt sizes available upon request.



HR-1000CT UNC Threads

Frame Size No.	Stock No.	Working Load Limit (kg)	Torque (Nm)	Bolt Size A (in)	Dimensions (mm)							
					Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H	Mass Each (kg)
2	6608103	862	38	1/2 - 13 x 2.25	17.8	161	49.8	31.8	19.1	107	63.5	3
2	6608112	862	38	1/2 - 13 x 2.75	30.5	161	49.8	31.8	19.1	107	63.5	3
2	6608121	1361	81	5/8 - 11 x 2.25	17.8	161	49.8	31.8	19.1	107	63.5	3
3	6608130	2177	136	3/4 - 10 x 3.00	21.6	218	75.2	41.4	25.4	159	82.6	11
3	6608139	2812	217	7/8 - 9 x 3.00	21.6	218	75.2	41.4	25.4	159	82.6	11
3	6608148	3765	312	1 - 8 x 3.50	34.3	218	75.2	41.4	25.4	159	82.6	11
4	6608149	5670	637	1-1/4 - 7 x 5.00	53.3	287	94.2	50.8	36.6	207	102	24
4	6607669	9072	1085	1-1/2 - 6 x 5.50	66.0	287	94.2	50.8	36.6	207	102	27
4	6607727	9072	1085	1-1/2 - 8 x 5.50	66.0	287	94.2	50.8	36.6	207	102	27
5	6607670	12701	1491	2 - 4.5 x 7.50	81.3	385	102	68.3	44.5	296	127	69
6	6607671	20412	2847	2 1/2 - 4 x 9.50	94.7	506	146	76.2	69.9	368	143	157

5:1 Design Factor.

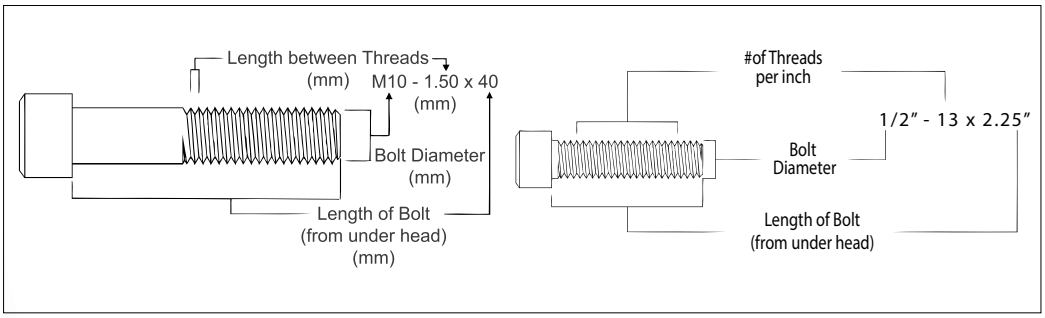
Load Tested Fatigue Rated

APPLICATION AND WARNING INFORMATION
SECTION 17

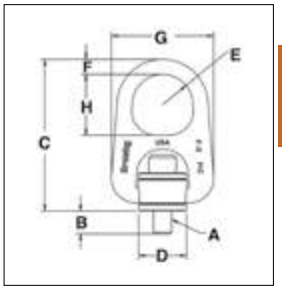
© 2025 Kito Crosby. All Rights Reserved.

HR-1000MCT





- All load bearing components are heat treated, Quenched & Tempered alloy steel.
- All components, with the exception of the retaining ring, are produced with maximum material hardness of 34 HRc.
- All primary load-bearing components have Charpy impact testing. The body, bushing, washer and bail meet impact requirements of 42-joule min. avg. at -20°C. The bolt meets impact requirements of 27-joule min. avg. at -100°C.
- Individually magnetic particle inspected with certification.
- Forged bail provides the following:
  - Easily readable raised lettering showing the name Crosby or "CG" and PIC Code for material traceability.
  - Greater durability providing the increased toughness desired in potentially abusive field conditions.
  - Larger opening than standard hoist ring bail.
- Bolt specification is an alloy socket head cap screw to ASTM A320 Grade L7 or L43.
- Top washer is color-coded for easy identification (blue for UN threads and grey for Metric threads).
- The Working Load Limit and recommended torque value are permanently stamped into each washer.
- Individually Proof Tested to 2 times Working Load Limit (90° and in-line).
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.
- Type approval and certification in accordance with DNV Offshore Standard DNV-OS-E101, Drilling Plant, Standard for Certification DNVGL-ST-0378, Lifting Appliances, and DNVGL-SI-0166.
- Individually serialized.
- 100% MPI all primary load bearing components.
- Coating: Thermo-diffusion galvanized.
- Optional bolt sizes available upon request.



11

HR-1000MCT Metric Threads

Frame Size No.	Stock No.	Working Load Limit (kg)		Torque (Nm)	Dimensions (mm)								Mass Each (kg)
		Design Factor 5:1	Design Factor 4:1		Bolt Size A	Eff. Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
2	6630058	825	1,030	38	M12 x 1.75 x 55	15.6	160.6	49.7	31.8	19.1	106.7	63.5	1
2	6630059	1,350	1,690	81	M16 x 2.00 x 65	25.5	160.6	49.7	31.8	19.1	106.7	63.5	1
3	6630060	2,250	2,810	136	M20 x 2.50 x 80	25.3	218.2	75.1	41.4	25.4	158.8	82.6	5
3	6630061	3,175	3,970	312	M24 x 3.00 x 90	35.4	218.2	75.1	41.4	25.4	158.8	82.6	5
4	6630062	5,450	6,810	637	M30 x 3.50 x 140	65.9	287.3	94.1	50.8	36.6	206.5	101.6	11
4	6630063	7,450	9,310	1,005	M36 x 4.00 x 130	56.3	287.3	94.1	50.8	36.6	206.5	101.6	12
5	6630064	13,250	16,560	1,350	M48 x 5.00 x 180	70.7	384.9	101.6	68.3	44.5	295.6	127.0	30

5:1 Design Factor.

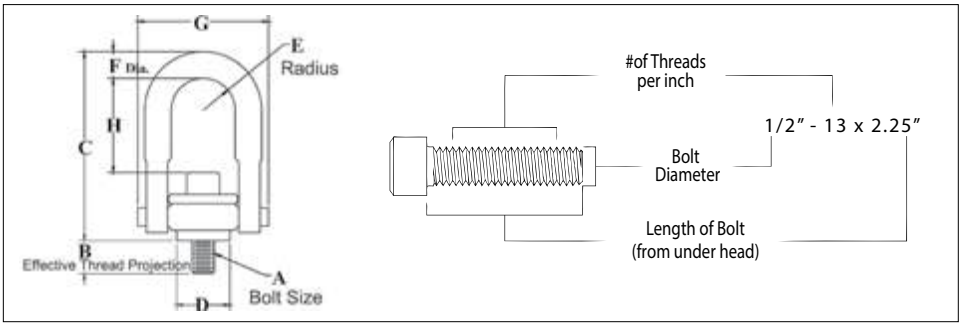
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

Crosby

SS-125UNC





- All components are 316 stainless steel, except bolt retainers, which are made from 15-7 PH (UNS 15700) magnetic stainless steel.
- Rated at 100 percent at 90 degree angle.
- Each product has a Product Identification Code (PIC) for material traceability, along with the Working Load Limit and the name Crosby or "CG" stamped into it.
- Individually proof tested to 2 times the Working Load Limit with certification.
- Fatigue Rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Washer is color-coded for easy identification (Red - UNC thread).
- Bolt specification is 316 stainless steel socket head cap screw to ASTM F837 Group 1 (316).
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.

SS-125UNC Threads

Frame Size No.	Stock No.	Working Load Limit (kg)	Torque (Nm)	Bolt Size A (mm)	Dimensions (mm)							Weight Each (kg)
					Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
1	1065000	181	4.7	5/16 - 18 x 1.0	7.4	67.8	21.6	10.9	8.6	46.7	32.3	0.14
1	1065004	181	4.7	5/16 - 18 x 1.25	13.7	67.8	21.6	10.9	8.6	46.7	32.3	0.14
1	1065008	227	8	3/8 - 16 x 1.25	13.7	67.8	21.6	10.9	8.6	46.7	32.3	0.14
2	1065016	567	19	1/2 - 13 x 2.0	19.8	121	36.8	22.4	17.5	89.4	58.7	1.18
2	1065020	567	19	1/2 - 13 x 2.25	26.2	121	36.8	22.4	17.5	89.4	58.7	1.18
2	1065024	567	19	1/2 - 13 x 2.5	32.5	121	36.8	22.4	17.5	89.4	58.7	1.18
2	1065028	907	41	5/8 - 11 x 2.0	19.8	121	36.8	22.4	17.5	89.4	55.4	1.18
2	1065032	907	41	5/8 - 11 x 2.25	26.2	121	36.8	22.4	17.5	89.4	55.4	1.18
2	1065036	907	41	5/8 - 11 x 2.5	32.5	121	36.8	22.4	17.5	89.4	55.4	1.18
2	1065040	1134	68	3/4 - 10 x 2.25	26.2	121	36.8	22.4	17.5	89.4	52.3	1.36
2	1065044	1134	68	3/4 - 10 x 2.75	38.9	121	36.8	22.4	17.5	89.4	52.3	1.36
3	1065048	1588	68	3/4 - 10 x 2.75	26.4	166	55.9	35.6	23.9	131	77.7	3.18
3	1065052	1588	68	3/4 - 10 x 3.25	39.1	166	55.9	35.6	23.9	131	77.7	3.18
3	1065056	1814	108	7/8 - 9 x 2.75	26.4	166	55.9	35.6	23.9	131	74.4	3.18
3	1065060	1814	108	7/8 - 9 x 3.0	32.8	166	55.9	35.6	23.9	131	74.4	3.18
3	1065064	2268	115	1 - 8 x 3.0	1.29	6.52	2.20	1.40	.94	5.14	2.81	7.5
3	1065068	2268	156	1 - 8 x 3.25	39.1	166	55.9	35.6	23.9	131	71.4	3.40
3	1065072	2268	156	1 - 8 x 4.0	58.2	166	55.9	35.6	23.9	131	71.4	3.4
4	1065080	3402	156	1-1/4 - 7 x 4.0	48.0	222	81	44.5	31.8	165	105	6.35
5	1065084	5443	319	1-1/2 - 6 x 5.5	68.6	317	124	57.2	44.5	217	163	15.4
5	1065088	6804	542	2 - 4.5 x 5.75	75.2	317	124	57.2	44.5	217	150	16.3
6	1065092	11340	746	2-1/2 - 4 x 8.0	102	428	166	76.2	57.2	296	204	39.9
6	1065096	11340	1424	2-1/2 - 8 x 8.0	102	428	166	76.2	57.2	296	204	39.9
7	1065100	17010	1424	3 - 4 x 10.25	127	495	206	95.3	69.9	359	215	75.3
8	1065104	22680	2915	3-1/2 - 4 x 13	178	561	218	102	82.6	404	236	120

5:1 Design Factor.

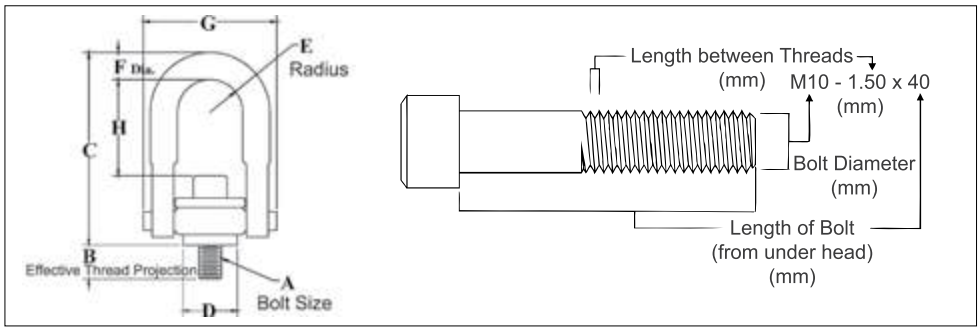
Load Tested Fatigue Tested

APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

SS-125M





- All components are 316 stainless steel, except bolt retainers, which are made from 15-7 PH (UNS 15700) magnetic stainless steel.
- Rated at 100 percent at 90 degree angle.
- Each product has a Product Identification Code (PIC) for material traceability, along with the Working Load Limit and the name Crosby or "CG" stamped into it.
- Individually proof tested to 2 times the Working Load Limit with certification.
- Fatigue Rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Washer is color-coded for easy identification (Silver - Metric thread)).
- Bolt specification is 316 stainless steel socket head cap screw to ASTM F 837M (316).
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.

SS-125M Metric Threads

Frame Size No.	Stock No.	Working Load Limit (kg)	Torque (Nm)	Dimensions (mm)								Weight Each (kg)
				Bolt Size A	Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
1	1065203	200	4	M8 x 1.25	13	68	21.6	11	8.5	47	32	.17
1	1065207	250	8	M10 x 1.50	18	68	21.6	11	8.5	47	30	.17
2	1065211	525	18	M12 x 1.75	19	121	37	22	17.5	89	60	1.1
2	1065215	950	40	M16 x 2.00	29	121	37	22	17.5	89	56	1.1
2	1065219	1075	68	M20 x 2.50	34	121	37	22	17.5	89	52	1.2
3	1065223	1500	68	M20 x 2.50	32	166	56	36	25	131	78	3.0
3	1065227	2100	108	M24 x 3.00	37	166	56	36	25	131	74	3.1
3	1065231	2100	108	M30 x 3.50	58	206	56	36	25	131	108	3.1
4	1065235	3500	318	M30 x 3.50	42	222	81	45	31	165	106	6.3
4	1065239	3500	318	M30 x 3.50	62	222	81	45	31	165	106	6.4
5	1065243	5500	542	M36 x 4.00	64	317	124	57	43	217	166	15.5
5	1065247	6250	542	M42 x 4.50	82	317	124	57	43	217	160	16.0
5	1065251	6750	542	M48 x 5.00	82	317	124	57	43	217	154	16.8
6	1065255	11150	1423	M64 x 6.00	101	428	165	76	56	296	204	39.0
7	1065259	15750	2915	M72 x 6.00	132	495	206	95	69	359	220	74.0
8	1065263	22300	3459	M90 x 6.00	177	561	216	102	83	404	235	118.0

5:1 Design Factor

11

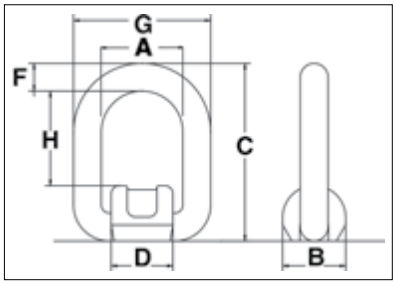
APPLICATION AND WARNING INFORMATION
SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

S-265



- Widely used on farm machinery, trucks, steel hulled marine vessels and material handling equipment.
- Forged link and bracket — Quenched & Tempered.
- Excellent welding qualities.
- Reference American Welding Society specifications for proper welding procedures.



Q&T

APPLICATION AND WARNING INFORMATION
SECTION 17

S-265 Forged Link

Working Load Limit (t)				Dimensions (mm)							Minimum Fillet Weld Size (mm)
Design Factor 5:1	Design Factor 4:1	Stock No.	Weight Each (kg)	A	B	C	D	F	G	H	
1.0	1.2	1290839	0.40	43	40	79	36	13	69	38	3
2.5	3.2	1290848	0.80	49	48	96	41	18	85	44	3
4.2	5.3	1290857	1.50	56	61	128	48	22	100	63	6
6.4	8	1290866	2.70	73	73	151	65	26	125	73	6
12.0	15	1290875	5.90	100	90	194	90	34	168	95	8

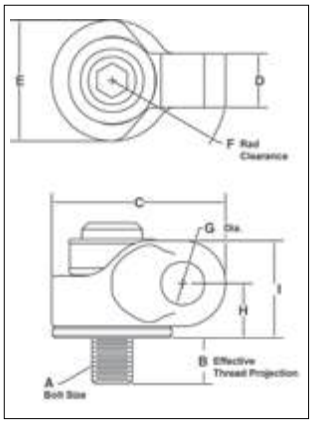


© 2025 Kito Crosby. All Rights Reserved.

HR-1200



- Body components are alloy steel - Quenched & Tempered.
- Rated at 100% of Working Load Limit for angles up to 90 degrees.
- Each product is stamped with a Product Identification Code (PIC) for material traceability, along with a Working Load Limit, and the name Crosby or "CG."
- Hoist ring body is furnished with a yellow chromate finish for improved corrosion resistance.
- Utilize standard Crosby Red Pin® Shackles to connect to wire rope or synthetic slings (sold separately).
- Multiple bolt lengths available to meet specific application requirements.
- Individually Proof Tested to 2-1/2 times Working Load Limit.



HR-1200 UNC Side Pull Hoist Rings

Weight Each (kg)	Working Load Limit (kg)	Stock No.	Hoist Ring Bolt Torque (Nm	Bolt Size A (in)	Eff. Thread Proj. (mm) B	Dimensions (mm)							Recommended Shackles		Replacement Bolt Kit Stock No.
						C	D	E	F	Dia. G	H	I	Shackles 209, 210, 213, 215, 2130, 2150 Nominal Size (in)	Web Shackles S-281 Web Size (mm)	
.16	290	1067700	10	5/16-18x1.50	15.0	49.0	18.3	25.4	39.6	20.3	21.6	36.3	1/2, 5/8	50	1015502
.16	360	1067704	16	3/8-16x1.50	15.0	49.0	18.3	25.4	39.6	20.3	21.6	36.3	1/2, 5/8	50	1015533
.64	900	1067708	38	1/2-13x2.00	18.0	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015566
.64	900	1067712	38	1/2-13x2.50	30.7	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015575
.68	1360	1067716	81	5/8-11x2.00	18.0	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015599
.68	1360	1067720	81	5/8-11x2.75	37.1	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015610
2.04	2260	1067724	136	3/4-10x2.75	22.9	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015646
2.09	2260	1067728	136	3/4-10x3.50	41.9	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015676
2.09	2940	1067732	217	7/8-9x2.75	22.9	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015698
2.18	2940	1067736	217	7/8-9x3.50	41.9	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015707
2.18	3620	1067740	312	1 -8x3.00	29.2	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015731
2.27	3620	1067744	312	1 -8x4.00	54.6	110	34.0	76.2	76.2	27.2	34.3	61.5	7/8	50	1015740
4.63	6350	1067748	637	1-1/4-7x4.5	56.4	142	39.9	95.3	99.3	37.3	48.8	86.9	1, 1-1/8, 1-1/4	75	1015762
10.7	7800	1067756	1085	1-1/2-6x6.5	75.7	186	52.3	121	132	53.6	61.2	109	1-3/8, 1-1/2, 1-3/4	-	-
11.5	13150	1067764	1491	2 -4.5x6.5	75.7	186	52.3	121	132	53.6	61.2	109	1-3/8, 1-1/2, 1-3/4	-	-

5:1 Design Factor.

HR-1200M Metric Side Pull Hoist Rings

Weight Each (kg)	Working Load Limit (kg)	Stock No.	Hoist Ring Bolt Torque (Nm)	Bolt Size A (mm)	Eff. Thread Proj. (mm) B	Dimensions (mm)							Recommended Shackles		Replacement Bolt Kit Stock No.
						C	D	E	F	G	H	I	Shackles 209, 210, 213, 215, 2130, 2150 Nominal Size (in)	Web Shackles S-281 Web Size (mm)	
.18	300	1067803	10	M8x1.25x40	16.9	49.0	18.3	25.4	39.6	20.3	21.6	36.3	1/2, 5/8	50	1015875
.18	400	1067807	16	M10x1.50x40	16.9	49.0	18.3	25.4	39.6	20.3	21.6	36.3	1/2, 5/8	50	1015884
.63	1000	1067811	38	M12x1.75x50	17.2	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015897
.68	1400	1067815	81	M16x2.0x60	27.2	75.4	24.6	50.8	54.1	23.6	27.2	45.5	5/8, 3/4	50, 35	1015906
2.0	2250	1067823	136	M20x2.5x75	28.1	110	34.0	76.2	76.2	27.2	34.4	61.5	7/8	50	1015930
2.2	3500	1067827	312	M24x3.0x80	33.1	110	34.0	76.2	76.2	27.2	34.4	61.5	7/8	50	1015941
4.5	6250	1067831	637	M30x3.5x120	65.1	142	39.9	95.3	99.3	37.3	48.8	86.9	1, 1-1/8,1-1/4	75	1015952
10.4	7750	1067835	1005	M36x4.0x150	60.6	186	52.3	121	132	53.6	61.2	109	1-3/8, 1-1/2,1-3/4	-	-
10.7	10000	1067839	1005	M42x4.5x160	70.6	186	52.3	121	132	53.6	61.2	109	1-3/8, 1-1/2,1-3/4	-	-
11.0	13000	1067843	1350	M48x5.0x160	70.6	186	52.3	121	132	53.6	61.2	109	1-3/8, 1-1/2,1-3/4	-	-

5:1 Design Factor.

11

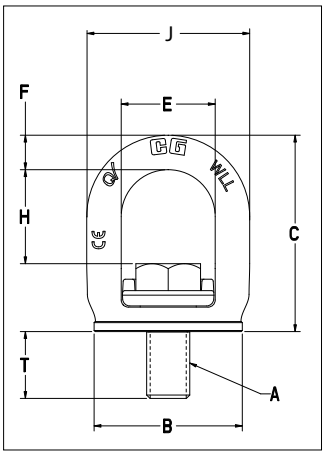
APPLICATION AND WARNING INFORMATION SECTION 17

© 2025 Kito Crosby. All Rights Reserved.

SL-150



- When compared to respective size eye bolts, the Crosby SL-150 Slide-Loc™ has a larger eye opening for easy access.
- Bail is forged alloy steel – Quenched & Tempered.
- Bail swivels 360° degrees to keep the load aligned with the sling leg.
- Rated at 100% for 90 degree angle.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets the Machinery Directive 2006/42/EC guidelines and is marked with CE accordingly.
- Bolt specification for metric bolt is Grade 10.9 alloy cap screw to ISO 898-1.
- Unique locking mechanism makes the lifting point well suited for quick attachment to load surface. No need for tools.
- Features QUIC-CHECK® markings on bail to assist in knowing when device is ready for lifting.



APPLICATION AND WARNING INFORMATION
SECTION 17

SL-150 UNC SLIDE-LOC™ LIFT POINT

Weight Each (kg)	Stock No.	Working Load Limit (t)*	Bolt Size A (in)	Dimensions (mm)						Effective Thread Projection Length
				B	C	E	F	H	J	T
0.14	1068407	0.50	3/8 - 16 x 1	35.6	53.1	27.9	8.4	28.2	45.0	15.2
0.24	1068416	0.75	1/2 - 13 x 1 - 1/4	42.4	62.7	33.0	10.4	33.0	54.1	20.1
0.50	1068425	1.50	5/8 - 11 x 1 - 5/8	55.1	75.7	37.1	13.2	37.1	63.5	25.7
0.93	1068434	2.30	3/4 - 10 x 2	68.8	91.2	43.7	16.0	43.7	75.7	32.0
0.98	1068443	2.30	7/8 - 9 x 2	68.8	91.7	43.7	16.0	43.7	75.7	31.2
1.69	1068452	3.20	1 - 8 x 2 - 1/2	82.6	110.0	52.8	19.3	49.0	91.2	40.4

4:1 Design Factor.

SL-150 METRIC SLIDE-LOC™ LIFT POINT

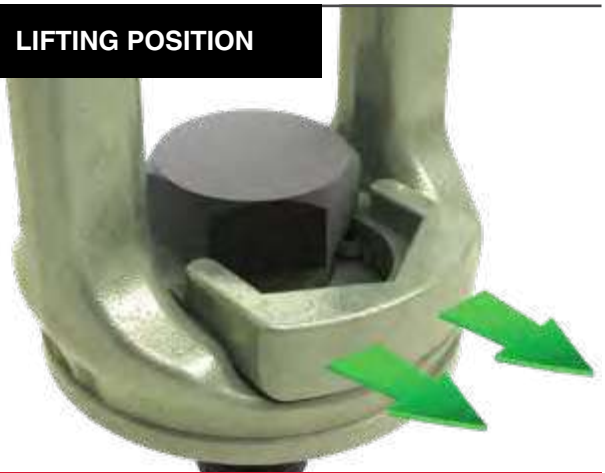
Weight Each (kg)	Stock No.	Working Load Limit (t)*	Dimensions (mm)							Effective Thread Projection Length
			Bolt Size A	B	C	E	F	H	J	T
0.14	1068515	0.50	M10X1.5 X 25	35.5	53.0	28.0	8.5	27.8	45.0	14.6
0.23	1068524	0.75	M12x1.75x30	42.5	62.6	33.0	10.5	32.9	54.0	18.3
0.50	1068533	1.50	M16x2x40	55.0	75.7	37.0	13.2	37.0	63.4	24.5
0.94	1068542	2.30	M20x2.5x50	68.8	91.1	43.9	16.0	43.6	75.6	31.0
1.60	1068551	3.20	M24x3x60	82.5	110.0	52.8	19.2	52.8	91.2	37.0

4:1 Design Factor.

INSTALLATION POSITION



LIFTING POSITION



The visible red QUIC-CHECK® mark indicates that the Crosby Slide-Loc™ is ready for installation but not for lifting.

QUIC-CHECK®

When the red QUIC-CHECK® mark is under the slide, the Crosby Slide-Loc™ is ready for lifting.

© 2025 Kito Crosby. All Rights Reserved.

The Lifting Point Family

The Gunnebo Industries range of lifting points is designed for most lifting and lashing applications. The GrabiQ line is a full system, from master link to lifting point.

Rotating Eye Lifting Point - RELP



The RELP is a compact and robust lifting point, ideal for top-mounting and when it is important to have quick and easy on-hooking. The lifting point is easy to assemble/disassemble with a standard allen key. On the bolt itself, information such as the working load limit, mounting torque, and manufacturing ID is stamped, so it is always available for the operator.

The RELP will automatically adjust to the loading direction which decreases the risk to load it incorrectly and endangering the lifting operation. For sensitive load surfaces the RELP is ideal, as the connecting sling hook will be positioned mainly parallel to the load surface, thus completely avoiding the hook causing damage on impact on the load. CE marked.

Rotating Lifting Point - RLP



The RLP has an easily dismountable D-ring to enable assembly of wiresling, master link, or hook directly onto the lifting point.

RLP has a hexagon bolt (RFID prepared) to make it easy to disassemble/assemble with a wrench. The bolt is also clearly marked with information such as working load limit, mounting torque, and manufacturer ID. The RLP

rotates 360° and pivots 180°, making it strong, flexible, and reliable. CE marked.

De-centered Lifting Point - DLP



The DLP is designed to be folded over the housing when idle, allowing the lifting point to be almost completely stowed away when not in use.

The closed, oblong link is also equipped with a 'stay-up' function for easy on-hooking (for sizes up to M24), especially when there is limited space. This help prevents damage to the load due to impacts from the hook, as well as makes rigging fast and easy. The DLP is ideal in narrow spaces, such as corners or edge position, because the housing has a compact design.

DLP has a hexagon bolt (RFID prepared) to make it easy to disassemble/assemble with a wrench. The bolt is also clearly marked with information such as working load limit, mounting torque, and manufacturer ID so it is always available to the operator. CE marked.

Ball-bearing Lifting Point - BLP



The BLP is a versatile lifting point and can be safely used for most applications. The ball-bearings in the BLP allow the load to be rotated during the lift, which is especially good when maintenance is needed on heavy tools and other types of equipment.

If the load surface is sensitive to impacts or scratches, the BLP is a good choice because it builds out from the load, which makes it less likely that the lifting equipment will come in contact and cause damage. The housing (RFID prepared) of the BLP is in-house drop-forged for increased strength and has a hexagon shape for easy mounting and dismounting. The housing is also clearly marked with information such as working load limit, mounting torque, and manufacturer ID so it is always available to the operator. CE marked.

© 2025 Kito Crosby. All Rights Reserved.

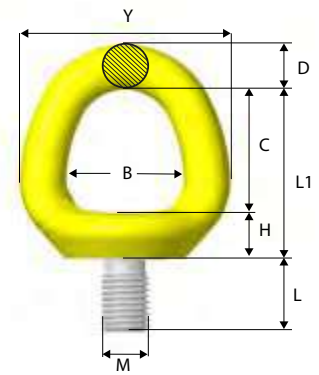


	RELP	RLP	DLP	BLP
Tight space	✓		✓	✓
Limited height (effective length)	✓	✓		
Vertical lift	✓	✓		✓
Angular lift		✓	✓	✓
Vertical rotation under load				✓
Tilting under load		✓	✓	✓
Sensitive load surface				✓
Single part lift	✓	✓		✓
Multiple part lift		✓	✓	✓
Integrated combination (hook or link)		✓		
RFID prepared		✓	✓	✓

This chart is intended to give guidance in choosing the right lifting point for your operation and is not rules for usage. For more information contact your closest Gunnebo Industries distributor.

© 2025 Kito Crosby. All Rights Reserved.

Rotating Eye Lifting Point RELP



Stock No.	Code	Dimensions (mm)										Weight (kg)
		B	C	D	E	H	L	L1	M	Y	Z	
Z102408	RELP-M8 x 1.25	28	28	11	40	14	15	42	8	50	29	0.2
Z102410	RELP-M10 x 1.5	28	28	11	40	14	15	42	10	50	29	0.2
Z102412	RELP-M12 x 1.75	32	33	13	46	13	20	47	12	58	38	0.3
Z102416	RELP-M16 x 2	39	41	15	53	16	24	57	16	70	40	0.5
Z102420	RELP-M20 x 2.5	42	43	16	60	18	30	60	20	78	46	0.7
Z102424	RELP-M24 x 3	50	51	19	68	20	36	71	24	88	44	1.1
Z102430	RELP-M30 x 3.5	60	62	26	85	28	45	90	30	112	64	2.4
Z102436	RELP-M36 x 4	72	72	32	97	32	54	104	36	136	74	4.1
Z102442	RELP-M42 x 4.5	82	82	38	120	37	63	119	42	158	91	6.7
Z102448	RELP-M48 x 5	94	96	43	142	39	72	135	48	180	102	9.9

Bolt according to: ISO 898-1 Class 10.9

RELP with UNC thread



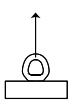
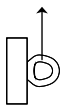
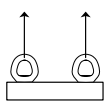
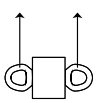
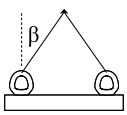
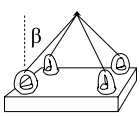
Stock No.	Code	Dimensions (mm)									M (in)	Weight (kg)
		B	C	D	E	H	L	L1	Y	Z		
Z102508	RELP 5/16”-18 UNC	28	28	11	40	14	15	42	50	29	5/16”	0.2
Z102510	RELP 3/8”-16 UNC	28	28	11	40	14	15	42	50	29	3/8”	0.2
Z102512	RELP 1/2”-13 UNC	32	33	13	46	13	20	47	58	38	1/2”	0.3
Z102516	RELP 5/8”-11 UNC	39	41	15	53	16	24	57	70	40	5/8”	0.5
Z102520	RELP 3/4”10 UNC	42	43	16	60	18	30	60	78	46	3/4”	0.7
Z102521	RELP 7/8”-9 UNC	42	43	16	60	18	30	60	78	46	7/8”	0.7
Z102524	RELP 1”-8 UNC	50	51	19	68	20	36	71	88	44	1”	1.1
Z102530	RELP 1 1/4”-7 UNC	60	62	26	85	28	45	90	112	64	1 1/4”	2.4
Z102536	RELP 1 1/2”-6 UNC	72	72	32	97	32	54	104	136	74	1 1/2”	4.1
Z102542	RELP 1 3/4”-5 UNC	82	82	38	120	37	63	119	158	91	1 3/4”	6.8
Z102548	RELP 2”-4.5 UNC	94	96	43	142	39	72	135	180	102	2”	10.0

Bolt according to: ISO 898-1 Class 10.9

11

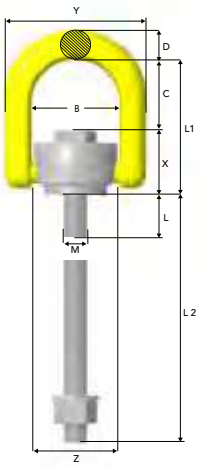
Working Load Limits - RELP

4:1 Design Factor.

Symmetric Load (tonnes)										
No. of Legs	1	1	2	2	2 symmetric		3 & 4 symmetric			
Angle ß	0°	90°	0°	90°	0 - 45°	45°- 60°	0 - 45°	45° - 60°	Tightening Torque	Allen Key
RELP -M8 x 1.25	0.7	0.3	1.4	0.7	0.4	0.3	0.6	0.4	10 Nm	8 mm
RELP 5/16”-18 UNC	0.7	0.3	1.4	0.7	0.4	0.3	0.6	0.4	7Ft.Lbs	5/16” UNC
RELP-M10x1,5	1.2	0.5	2.4	1.0	0.7	0.5	1.0	0.7	15 Nm	8 mm
RELP 3/8”-16 UNC	1.2	0.5	2.4	1.0	0.7	0.5	1.0	0.7	11Ft.Lbs	5/16” UNC
RELP - M12x1,75	2.0	0.8	4.0	1.6	1.1	0.8	1.6	1.2	27 Nm	8 mm
RELP 1/2”-13 UNC	2.0	0.8	4.0	1.6	1.1	0.8	1.6	1.2	20Ft.Lbs	5/16” UNC
RELP - M16x2	3.5	1.5	7.0	3.0	2.1	1.5	3.1	2.2	60 Nm	8 mm
RELP 5/8”-11 UNC	3.5	1.5	7.0	3.0	2.1	1.5	3.1	2.2	44Ft.Lbs	5/16” UNC
RELP - M20x2,5	6.1	2.4	12.2	4.8	3.3	2.4	5.0	3.6	90 Nm	8 mm
RELP 3/4”-10 UNC	5.0	2.3	10.0	4.6	3.1	2.3	4.8	3.4	66Ft.Lbs	5/16” UNC
RELP 7/8”-9 UNC	6.1	2.9	12.2	5.8	4.1	2.9	6.1	4.3	66Ft.Lbs	5/16” UNC
RELP - M24x3	8.1	3.3	16.2	6.6	4.6	3.3	6.9	4.9	135 Nm	19 mm
RELP 1”-8 UNC	8.1	3.3	16.2	6.6	4.6	3.3	6.9	4.9	100Ft.Lbs	3/4” UNC
RELP - M30x3,5	12.1	4.6	24.2	9.2	6.4	4.6	9.6	6.9	270 Nm	19 mm
RELP 1 1/4”-7 UNC	12.1	4.6	24.2	9.2	6.4	4.6	9.6	6.9	200Ft.Lbs	3/4” UNC
RELP - M36x4	16.1	7.1	32.2	14.2	9.9	7.1	14.9	10.6	320 Nm	19 mm
RELP 1 1/2”-6 UNC	16.1	7.1	32.2	14.2	9.9	7.1	14.9	10.6	236Ft.Lbs	3/4” UNC
RELP - M42x4,5	24	9.1	48	18.2	12.7	9.1	19.1	13.6	600 Nm	19 mm
RELP 1 3/4”-5 UNC	24	9.1	48	18.2	12.7	9.1	19.1	13.6	440Ft.Lbs	3/4” UNC
RELP - M48x5	32	12.1	64	24.2	16.9	12.1	25.4	18.1	800 Nm	19 mm
RELP 2”-4,5 UNC	32	12.1	64	24.2	16.9	12.1	25.4	18.1	590Ft.Lbs	3/4” UNC

© 2025 Kito Crosby. All Rights Reserved.

GUNNEBO Industries



Rotating Lifting Point RLP

CE

Stock No. Standard Bolt Length	L (mm)	Stock No. Long Bolt Length**	L2 (mm)	Code	Dimensions (mm)								Weight (kg)***
					B	C	D	L1	M	X	Y	Z	
Z101708	16	Z1017080L	101	RLP-M8 x 1.25	42	35	12	62	8	27	64	Ø40	0.3
Z101710	16	Z1017100L	101	RLP -M10 x 1.5	42	35	12	62	10	27	64	Ø40	0.3
Z101712	25	Z1017120L	120	RLP -M12 x 1.75	57	46	19	88	12	42	91	Ø54	1.0
Z101716	25	Z1017160L	160	RLP-M16 x 2	57	46	19	88	16	42	91	Ø54	1.0
Z101720	36	Z1017200L	200	RLP-M20 x 2.5	83	55	28	110	20	55	133	Ø80	2.9
Z101724	36	Z1017240L	240	RLP-M24 x 3	83	55	28	110	24	55	133	Ø80	2.9
Z101730	58	Z1017300L	300	RLP-M30 x 3.5	114	70	34	148	30	78	182	Ø111	7.1
Z101736	58	Z1017360L	300	RLP-M36 x 4	114	70	34	148	36	78	182	Ø111	7.3
Z101742	81	Z1017420L	301	RLP-M42 x 4.5	149	91	40	190	42	99	229	Ø142	14.3
Z101748	81	Z1017480L	301	RLP-M48 x 5	149	91	40	190	48	99	229	Ø142	14.5

** Long Bolt supplied with nut and washer. *** Weight is calculated with standard bolt length.
Bolt, nut and washer according to: ISO 898-1 Class 10.9

RLP with UNC thread

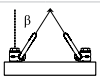
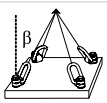
CE

Stock No. Standard Bolt Length	L (mm)	Stock No. Long Bolt Length**	L2 (mm)	Code	Dimensions (mm)							M (in)	Weight (kg)***
					B	C	D	L1	X	Y	Z		
Z101808	16	Z1018080L	101	RLP-5/16"-18 UNC	42	35	12	62	27	64	Ø40	5/16"	0.3
Z101810	16	Z1018100L	101	RLP-3/8"-16 UNC	42	35	12	62	27	64	Ø40	3/8"	0.3
Z101812	25	Z1018120L	120	RLP-1/2"-13 UNC	57	46	19	88	42	91	Ø54	1/2"	1.0
Z101816	25	Z1018160L	160	RLP-5/8"-11 UNC	57	46	19	88	42	91	Ø54	5/8"	1.0
Z101820	36	Z1018200L	200	RLP-3/4"-10 UNC	83	55	28	110	55	133	Ø80	3/4"	2.9
Z101821	36	Z1018210L	200	RLP-7/8"-9 UNC	83	55	28	110	55	133	Ø80	7/8"	2.9
Z101824	36	Z1018240L	240	RLP 1"-8 UNC	83	55	28	110	55	133	Ø80	1"	2.9
Z101830	58	Z1018300L	300	RLP 1 1/4"-7 UNC	114	70	34	148	78	182	Ø111	1 1/4"	7.1
Z101836	58	Z1018360L	300	RLP 1 1/2"-6 UNC	114	70	34	148	78	182	Ø111	1 1/2"	7.3
Z101842	81	Z1018420L	301	RLP 1 3/4"-5 UNC	149	91	40	190	99	229	Ø142	1 3/4"	14.4
Z101848	81	Z1018480L	301	RLP 2" -4.5 UNC	149	91	40	190	99	229	Ø142	2"	14.7

** Long Bolt supplied with nut and washer. *** Weight is calculated with standard bolt length.
Bolt, nut and washer according to: ISO 898-1 Class 10.9

Working Load Limits - RLP

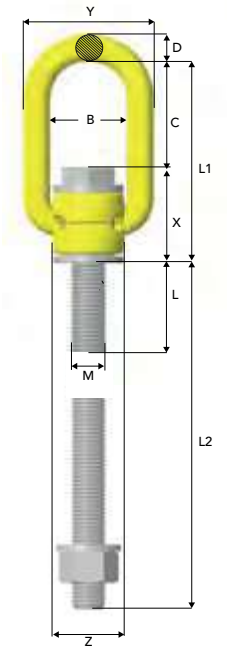
4:1 Design Factor.

Symmetric Load (tonnes)										
No. of Legs	1	1	2	2	2 Symmetric		3 & 4 Symmetric			
Angle ß	0°	90°	0°	90°	0 - 45°	45° - 60°	0 - 45°	45° - 60°	Tightening Torque	Spanner Size
RLP - M8 x 1.25	0.8	0.4	1.6	0.8	0.5	0.4	0.8	0.6	10 Nm	13 mm
RLP 5/16"-18 UNC	0.8	0.4	1.6	0.8	0.5	0.4	0.8	0.6	7 Ft.lb	1/2"
RLP - M10 x 1.5	1.2	0.7	2.4	1.4	0.9	0.7	1.4	1.0	15 Nm	13 mm
RLP 3/8"-16 UNC	1.2	0.65	2.4	1.3	0.9	0.6	1.3	0.9	11 Ft.lb	1/2"
RLP - M12 x 1.75	2.0	1.2	4.0	2.4	1.6	1.2	2.5	1.8	27 Nm	24 mm
RLP 1/2"-13 UNC	2.0	1.2	4.0	2.4	1.6	1.2	2.5	1.8	20 Ft.lb	15/16"
RLP - M16 x 2	3.2	2.0	6.4	4.0	2.8	2.0	4.2	3.0	60 Nm	24 mm
RLP 5/8"-11 UNC	3.2	2.0	6.4	4.0	2.8	2.0	4.2	3.0	44 Ft.lb	15/16"
RLP - M20 x 2.5	5.6	2.8	11.2	5.6	3.9	2.8	5.8	4.2	90 Nm	32 mm
RLP 3/4"-10 UNC	5.0	2.5	10.0	5.0	3.5	2.5	5.2	3.7	66 Ft.lb	1 5/16"
RLP 7/8"-9 UNC	5.6	2.8	11.2	5.6	3.9	2.8	5.8	4.2	66 Ft.lb	1 5/16"
RLP - M24 x 3	8.0	4.6	16.0	9.2	6.4	4.6	9.6	6.9	135 Nm	32 mm
RLP 1"-8 UNC	8.0	4.6	16.0	9.2	6.4	4.6	9.6	6.9	100 Ft.lb	1 5/16"
RLP - M30 x 3.5	12.0	6.0	24.0	12.0	8.4	6.0	12.6	9.0	270 Nm	55 mm
RLP 1 1/4"-7 UNC	12.0	6.0	24.0	12.0	8.4	6.0	12.6	9.0	200 Ft.lb	2 1/4"
RLP - M36 x 4	14.0	8.0	28.0	16.0	11.2	8.0	16.8	12.0	320 Nm	55 mm
RLP 1 1/2"-6 UNC	14.0	8.0	28.0	16.0	11.2	8.0	16.8	12.0	236 Ft.lb	2 1/4"
RLP - M42 x 4.5	16.0	14.0	32.0	28.0	19.6	14.0	29.4	21.0	600 Nm	75 mm
RLP 1 3/4"-5 UNC	16.0	14.0	32.0	28.0	19.6	14.0	29.4	21.0	440 Ft.lb	3"
RLP - M48 x 5	20.0	16.0	40.0	32.0	22.4	16.0	33.6	24.0	800 Nm	75 mm
RLP 2" -4.5 UNC	20.0	16.0	40.0	32.0	22.4	16.0	33.6	24.0	590 Ft.lb	3"



Disassembly of the RLP is made easy by just folding the D-ring forward and push down.

© 2025 Kito Crosby. All Rights Reserved.



De-centered Lifting Point DLP

Stock No. Standard Bolt Length	L (mm)	Stock No. Long Bolt Length**	L2 (mm)	Code	Dimensions (mm)											Weight (kg)***
					B	C	D	E	F	G	L1	M	X	Y	Z	
Z102208	13	Z1022080L	97.5	DLP-M8 x 1.25	35	48	10	39	14	10	78	8	30	55	26	0.3
Z102210	13	Z1022100L	97.5	DLP -M10 x 1.5	35	48	10	39	14	10	78	10	30	55	26	0.3
Z102212	23	Z1022120L	118	DLP -M12 x 1.75	35	48	12	51	20	14	91	12	44	59	32	0.5
Z102216	23	Z1022160L	158	DLP-M16 x 2	35	48	12	51	20	14	91	16	44	59	32	0.5
Z102220	34	Z1022200L	198	DLP-M20 x 2.5	54	88	18	71	28	18	145	20	58	90	48	1.6
Z102224	34	Z1022240L	238	DLP-M24 x 3	54	88	18	71	28	18	145	24	58	90	48	1.7
Z102230	53	Z1022300L	295	DLP-M30 x 3.5	82	94	26	104	39	27	182	30	88	122	75	5.0
Z102236	53	Z1022360L	295	DLP-M36 x 4	82	94	26	104	39	27	182	36	88	122	75	5.2
Z102242	73	Z1022420L	293	DLP-M42 x 4.5	100	104	36	136	54	34	216	42	113	156	110	11.6
Z102248	73	Z1022480L	293	DLP-M48 x 5	100	103	36	136	54	34	216	48	113	156	110	11.9

** Long Bolt supplied with nut and washer. *** Weight is calculated with standard bolt length.
Bolt, nut and washer according to: ISO 898-1 Class 10.9

DLP with UNC thread

Stock No. Standard Bolt Length	L (mm)	Stock No. Long Bolt Length**	L2 (mm)	Code	Dimensions (mm)										M (in)	Weight (kg)***
					B	C	D	E	F	G	L1	X	Y	Z		
Z102308	13	Z1023080L	97.5	DLP-5/16"-18 UNC	35	48	10	39	14	10	78	30	55	26	5/16"	0.3
Z102310	13	Z1023100L	97.5	DLP-3/8"-16 UNC	35	48	10	39	14	10	78	30	55	26	3/8"	0.3
Z102312	23	Z1023120L	118	DLP-1/2"-13 UNC	35	48	12	51	20	14	91	44	59	32	1/2"	0.5
Z102316	23	Z1023160L	158	DLP-5/8"-11 UNC	35	48	12	51	20	14	91	44	59	32	5/8"	0.5
Z102320	34	Z1023200L	198	DLP-3/4"-10 UNC	54	88	18	71	28	18	145	58	90	48	3/4"	1.6
Z102321	34	Z1023210L	198	DLP-7/8"-9 UNC	54	88	18	71	28	18	145	58	90	48	7/8"	1.6
Z102324	34	Z1023240L	238	DLP-1"-8 UNC	54	88	18	71	28	18	145	58	90	48	1"	1.7
Z102330	53	Z1023300L	295	DLP- 1 1/4"-7 UNC	82	94	26	104	39	27	182	88	122	75	1 1/4"	5.5
Z102336	53	Z1023360L	295	DLP-1 1/2"-6 UNC	82	94	26	104	39	27	182	88	122	75	1 1/2"	5.7
Z102342	73	Z1023420L	293	DLP-1 3/4"-5 UNC	100	103	36	136	54	34	216	113	156	110	1 3/4"	11.7
Z102348	73	Z1023480L	293	DLP-2"- 4.5 UNC	100	103	36	136	54	34	216	113	156	110	2"	12.1

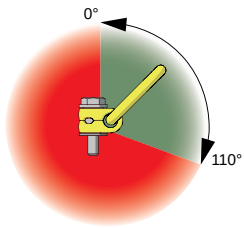
** Long Bolt supplied with nut and washer. *** Weight is calculated with standard bolt length.
Bolt, nut and washer according to: ISO 898-1 Class 10.9



Working Load Limits - DLP

4:1 Design Factor.

Symmetric Load (tonnes)								
No. of Legs	1	2	2 Symmetric		3 & 4 Symmetric			
Angle ß	0°< ß < 90°	0°< ß < 90°	0 - 45°	45° - 60°	0 - 45°	45° - 60°	Tightening Torque	Spanner Size
DLP-M8	0.35	0.70	0.5	0.35	0.7	0.5	10 Nm	13 mm
DLP-5/16"-18 UNC	0.35	0.70	0.5	0.35	0.7	0.5	7Ft.lb	1/2"
DLP -M10	0.65	1.30	0.9	0.65	1.4	1.0	15 Nm	13 mm
DLP-3/8"-16 UNC	0.60	1.20	0.8	0.60	1.3	0.9	11Ft.lb	1/2"
DLP -M12	1.0	2.0	1.4	1.0	2.1	1.5	27 Nm	24 mm
DLP-1/2"-13 UNC	1.0	2.0	1.4	1.0	2.1	1.5	20Ft.lb	15/16"
DLP-M16	1.8	3.6	2.5	1.8	3.7	2.7	60 Nm	24 mm
DLP-5/8"-11 UNC	1.6	3.2	2.2	1.6	3.3	2.4	44Ft.lb	15/16"
DLP - M20x2.5	2.6	5.2	3.6	2.6	5.4	3.9	90 Nm	32 mm
DLP 3/4"-10 UNC	2.2	4.4	3.0	2.2	4.6	3.3	66Ft.lb	1 5/16"
DLP 7/8"-9 UNC	2.6	5.2	3.6	2.6	5.4	3.9	66Ft.lb	1 5/16"
DLP - M24x3	4.1	8.2	5.7	4.1	8.6	6.1	135 Nm	32 mm
DLP 1"-8 UNC	4.1	8.2	5.7	4.1	8.6	6.1	100Ft.lb	1 5/16"
DLP - M30x3.5	5.0	10.0	7.0	5.0	10.5	7.5	270 Nm	55 mm
DLP 1 1/4"-7 UNC	5.0	10.0	7.0	5.0	10.5	7.5	200Ft.lb	2 1/4"
DLP - M36x4	7.0	14.0	9.8	7.0	14.7	10.5	320 Nm	55 mm
DLP 1 1/2"-6 UNC	7.0	14.0	9.8	7.0	14.7	10.5	236Ft.lb	2 1/4"
DLP - M42x4.5	15.0	30.0	21.0	15.0	31.5	22.5	600 Nm	75 mm
DLP 1 3/4"-5 UNC	15.0	30.0	21.0	15.0	31.5	22.5	440Ft.lb	3"
DLP - M48x5	20.0	40.0	28.0	20.0	42.0	30.0	800 Nm	75 mm
DLP 2"-4.5 UNC	20.0	40.0	28.0	20.0	42.0	30.0	590Ft.lb	3"

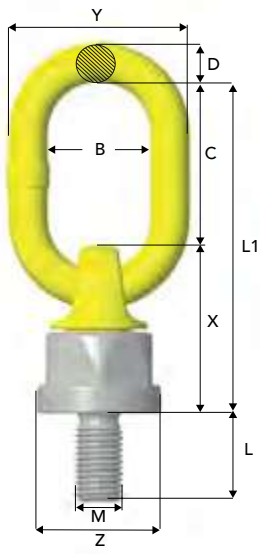


- The DLP can only be loaded from 0° to 110° degrees
- Rotation around screw axis when loaded at 0°-15° is not allowed.

© 2025 Kito Crosby. All Rights Reserved.

GUNNEBO Industries

Ball-bearing lifting point BLP

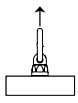
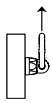
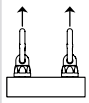
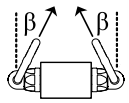
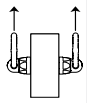
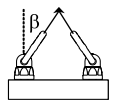
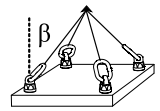


Stock No.	Code	Dimensions (mm)									Weight (kg)
		B	C	D	L	L1	M	X	Y	Z	
7248133	BLP-M8 x 1.25	35	55	13	16	112	8	57	62	Ø42	0.6
7248142	BLP -M10 x 1.5	35	55	13	20	112	10	57	61	Ø42	0.6
7248151	BLP -M12 x 1.75	35	55	13	24	112	12	57	61	Ø42	0.6
7248160	BLP-M16 x 2	35	55	13	30	112	16	57	61	Ø42	0.6
7248169	BLP-M20 x 2.5	34	51	17	30	126	20	75	67	Ø59	1.3
7248178	BLP-M24 x 3	50	70	17	36	145	24	75	84	Ø59	1.5
7248187	BLP-M30 x 3.5	54	96	22	45	102	30	106	99	Ø74	3.4
7248196	BLP-M36 x 4	54	96	22	54	102	36	106	99	Ø74	3.5
7248205	BLP-M42 x 4.5	70	120	28	63	242	42	122	127	Ø93	6.5
7248214	BLP-M48 x 5	70	120	28	72	242	48	122	127	Ø93	6.8

BLP with UNC thread

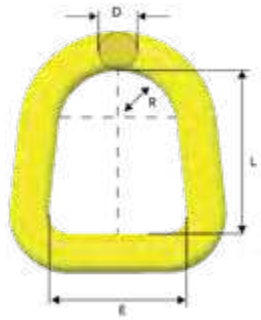
Stock No.	Code	Dimensions (mm)								M	Weight (kg)
		B	C	D	L	L1	X	Y	Z		
7248223	BLP-5/16”-18 UNC	35	55	13	16	112	57	61	Ø42	5/16"	0.6
7248232	BLP-3/8”-16 UNC	35	55	13	20	112	57	61	Ø42	3/8"	0.6
7248241	BLP-1/2”-13 UNC	35	55	13	24	112	57	61	Ø42	1/2"	0.6
7248250	BLP-5/8”-11 UNC	35	55	13	30	112	57	61	Ø42	5/8"	0.6
7248259	BLP-3/4”-10 UNC	34	51	17	30	126	75	67	Ø59	3/4"	1.3
7248268	BLP-7/8”-9 UNC	50	51	17	30	126	75	67	Ø59	7/8"	1.3
7248277	BLP-1”-8 UNC	54	70	17	38	145	75	84	Ø59	1”	1.5
7248286	BLP-1 1/4”-7 UNC	54	96	22	48	202	106	99	Ø74	1 1/4”	3.4
7248295	BLP-1 1/2”-6 UNC	70	96	22	57	202	106	99	Ø74	1 1/2”	3.6
7248304	BLP-1 3/4”-5 UNC	70	120	28	67	242	122	127	Ø93	1 3/4”	6.6
7248313	BLP-2”-4.5 UNC	70	120	28	76	242	122	127	Ø93	2”	7.0

Working Load Limits* - BLP

Symmetric Load (tonnes)											
No. of Legs	1	1	2	2	2	2 Symmetric		3 & 4 Symmetric			
Angle ß	0°*	90°	0°	0 - 45°	90°	0 - 45°	45° - 60°	0 - 45°	45° - 60°	Tightening torque	Spanner Size
BLP -M8x1.25	0.6	0.3	1.2	0.4	0.6	0.4	0.3	0.6	0.45	10 Nm	36 mm
BLP 5/16”-18 UNC	0.6	0.3	1.2	0.4	0.6	0.4	0.3	0.6	0.45	7Ft.Lb	1 1/2” UNC
BLP -M10x1.5	1.0	0.5	2.0	0.7	1.0	0.7	0.5	1.3	0.75	15 Nm	36 mm
BLP 3/8”-16 UNC	0.8	0.4	1.6	0.5	0.8	0.5	0.4	0.8	0.6	11Ft.Lb	1 1/2” UNC
BLP -M12x1.75	1.5	0.75	3.0	1.1	1.5	1.1	0.75	1.5	1.1	27 Nm	36 mm
BLP 1/2”-13 UNC	1.5	0.75	3.0	1.1	1.5	1.1	0.75	1.5	1.1	20Ft.Lb	1 1/2” UNC
BLP -M16x2	3.0	1.5	6.0	2.1	3.0	2.1	1.5	3.1	2.2	60 Nm	36 mm
BLP 5/8”-11 UNC	3.0	1.5	6.0	2.1	3.0	2.1	1.5	3.1	2.2	44Ft.Lb	1 1/2” UNC
BLP -M20x2.5	5.0	2.5	10.0	3.5	5.0	3.5	2.5	5.2	3.7	90 Nm	50 mm
BLP 3/4”-10 UNC	4.5	2.25	9.0	3.1	4.5	3.1	2.25	4.7	3.3	66Ft.Lb	2” UNC
BLP 7/8”-9 UNC	6.0	3.0	12.0	4.2	6.0	4.2	3.0	6.3	4.5	66Ft.Lb	2” UNC
BLP-M24x3	7.0	4.0	14.0	5.6	8.0	5.6	4.0	8.4	6.0	135 Nm	50 mm
BLP-1”-8 UNC	7.0	4.0	14.0	5.6	8.0	5.6	4.0	8.4	6.0	100Ft.Lb	2” UNC
BLP-M30x3.5	12.0	6.0	24.0	8.4	12.0	8.4	6.0	12.6	9.0	270 Nm	65 mm
BLP-1 1/4”-7 UNC	12.0	6.0	24.0	8.4	12.0	8.4	6.0	12.6	9.0	200Ft.Lb	2 5/8" UNC
BLP-M36x4	14.0	8.0	28.0	11.2	16.0	11.2	8.0	16.8	12.0	320 Nm	65 mm
BLP-1 1/2”-6 UNC	14.0	8.0	28.0	11.2	16.0	11.2	8.0	16.8	12.0	236Ft.Lb	2 5/8" UNC
BLP-M42x4.5	16.0	10.0	32.0	14.0	20.0	14.0	10.0	21.0	15.0	600 Nm	85 mm
BLP-1 3/4”-5 UNC	16.0	10.0	32.0	14.0	20.0	14.0	10.0	21.0	15.0	440Ft.Lb	3 1/8" UNC
BLP-M48x5	18.0	13.0	36.0	18.2	26.0	18.2	13.0	27.3	19.5	800 Nm	85 mm
BLP-2”-4.5 UNC	18.0	13.0	36.0	18.2	26.0	18.2	13.0	27.3	19.5	590Ft.Lb	3 1/8" UNC

* provided only axial loading takes place, ie no bending force applied in the direction of the thread. 4:1 Design Factor.

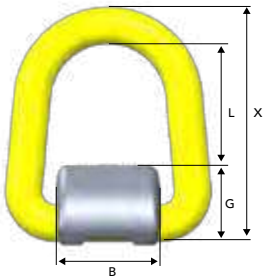
© 2025 Kito Crosby. All Rights Reserved.



Master link D

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			E	D	L	R	
Z7008771	D-14-10	2.5	55	14	65	24	0.4
Z7008781	D-17-10	4.0	64	17	62	29	0.5
Z7008801	D-22-10	7.0	76	22	90	33	1.0
Z7008791	D-27-10	10.0	85	27	98	38	1.9
Z7008792	D-32-10	16.0	114	32	139	50	3.5

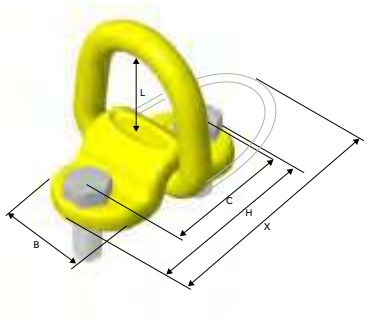
4:1 Design Factor
The load bearing width must be at least 0.5 x E.



Weldable Lifting Point WLP

Stock No.	Code	WLL (t)	Dimensions (mm)				Weight (kg)
			B	G	L	X	
7248322	WLP-2.5T	2.5	50	27	53	95	0.5
7248331	WLP-4T	4.0	58	34	48	97	0.8
7248340	WLP-7T	7.0	64	41	73	135	1.8
7248349	WLP-10T	10.0	65	52	73	152	3.4
7248358	WLP-16T	16.0	90	66	105	203	6.7

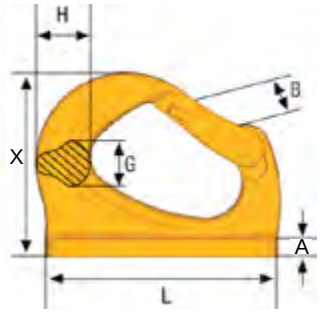
4:1 Design Factor
Supplied with spring for stay up function.
Master Link measurements , see Master Link D above.



Screw-on Lifting Point SLP

Stock No.	Code	WLL (t)	Dimensions (mm)						Bolt Protrusion	Weight (kg)
			B	C	H	L	M	X		
Z7009881	SLP-1T	1.0	50	72	98	54	M14	139	25	0.8
Z7009871	SLP-3T	3.0	58	84	114	49	M16	144	28	1.3
Z7009861	SLP-5T	5.0	64	116	160	71	M20	203	34	2.6

4:1 Design Factor
Supplied with bolt and spring for stay up function.
Bolt according to: ISO 898-1 Class 10.9.
Master Link measurements, see Master Link D above.





Universal Weld-On Hook - UKN

Stock No.	Code	WLL (t)	Dimension (mm)							Weight (kg)
			B	G	H	K	L	A	X	
Z1002560	UKN-0.75*	0.75	20	13	20	19	81.5	5	56	0.2
Z6511810	UKN-1*	1.0	27	17	25	25	95	6	72	0.6
Z7009060	UKN-2*	2.0	33	20	30	30	114	8	86	0.9
Z6455730	UKN-3	3.0	30	23	32	35	132	10	105	1.3
Z6521160	UKN-4	4.0	30	29	38	42	140	11	114	2.0
Z6455800	UKN-5	5.0	34	30	47	45	165	12	131	3.2
Z6515390	UKN-8	8.0	34	40	51	50	172	13	133	3.6
Z6456030	UKN-10	10.0	47	43	58	55	220	14	170	8.2
Z1007850	UKN-15	15.0	55	50	67	60	240	15	188	9.8
Z1007851	UKN-20	20.0	65	60	85	60	275	15	207	12.4

* Welding plate slightly curved ** Safety factor 5:1 Fulfills requirements in: EN 474-1.

© 2025 Kito Crosby. All Rights Reserved.

GUNNEBO Industries

Spare Parts

Standard length bolt and long bolt for RLP and DLP are available as spare parts.

RDRLP - Metric

Standard length bolt including locking ring



Stock No.	Code
Z1017081	RDRLP-M8x1,25
Z1017101	RDRLP-M10x1,5
Z1017121	RDRLP-M12x1,75
Z1017161	RDRLP-M16x2
Z1017201	RDRLP-M20x2,5
Z1017241	RDRLP-M24x3
Z1017301	RDRLP-M30x3,5
Z1017361	RDRLP-M36x4
Z1017421	RDRLP-M42x4,5
Z1017481	RDRLP-M48x5

RDRLP - Metric

Long bolt including nut, locking ring and washer



Stock No.	Code
Z10170801L	RDRLP-M8x1.25 LB
Z10171001L	RDRLP-M10x1.5 LB
Z10171201L	RDRLP-M12x1.75 LB
Z10171601L	RDRLP-M16x2 LB
Z10172001L	RDRLP-M20x2.5 LB
Z10172401L	RDRLP-M24x3 LB
Z10173001L	RDRLP-M30x3.5 LB
Z10173601L	RDRLP-M36x4 LB
Z10174201L	RDRLP-M42x4.5 LB
Z10174801L	RDRLP-M48x5 LB

RDRLP - UNC

Standard length bolt including locking ring



Stock No.	Code
Z1018081	RDRLP-UNC 5/16"-18
Z1018101	RDRLP-UNC 3/8"-16
Z1018121	RDRLP-UNC 1/2"-13
Z1018161	RDRLP-UNC 5/8"-11
Z1018201	RDRLP-UNC 3/4"-10
Z1018211	RDRLP-UNC 7/8"-9
Z1018241	RDRLP-UNC 1"-8
Z1018301	RDRLP-UNC 1 1/4"-7
Z1018361	RDRLP-UNC 1 1/2"-6
Z1018421	RDRLP-UNC 1 3/4"-5
Z1018481	RDRLP-UNC 2"-4.5

RDRLP - UNC

Long bolt including nut, locking ring and washer



Stock No.	Code
Z10180801L	RDRLP-UNC 5/16"-18 LB
Z10181001L	RDRLP-UNC 3/8"-16 LB
Z10181201L	RDRLP-UNC 1/2"-13 LB
Z10181601L	RDRLP-UNC 5/8"-11 LB
Z10182001L	RDRLP-UNC 3/4"-10 LB
Z10182101L	RDRLP-UNC 7/8"-9 LB
Z10182401L	RDRLP-UNC 1"-8 LB
Z10183001L	RDRLP-UNC 1 1/4"-7 LB
Z10183601L	RDRLP-UNC 1 1/2"-6 LB
Z10184201L	RDRLP-UNC 1 3/4"-5 LB
Z10184801L	RDRLP-UNC 2"-4.5 LB

RDDLP - Metric

Standard length bolt including locking ring



Stock No.	Code
Z1022081	RDDLP-M8x1.25
Z1022101	RDDLP-M10x1.5
Z1022121	RDDLP-M12x1.75
Z1022161	RDDLP-M16x2
Z1022201	RDDLP-M20x2.5
Z1022241	RDDLP-M24x3
Z1022301	RDDLP-M30x3.5
Z1022361	RDDLP-M36x4
Z1022421	RDDLP-M42x4.5
Z1022481	RDDLP-M48x5

RDDLP - Metric

Long bolt including nut, locking ring and washer



Stock No.	Code
Z10220801L	RDDLP M8x1.25 LB
Z10221001L	RDDLP M10x1.5 LB
Z10221201L	RDDLP M12x1.75 LB
Z10221601L	RDDLP M16x2 LB
Z10222001L	RDDLP M20x2.5 LB
Z10222401L	RDDLP M24x3 LB
Z10223001L	RDDLP M30x3.5 LB
Z10223601L	RDDLP M36x4 LB
Z10224201L	RDDLP M42x4.5 LB
Z10224801L	RDDLP M48x5 LB

© 2025 Kito Crosby. All Rights Reserved.



RDDLP - UNC

Standard length bolt including locking ring

Stock No.	Code
Z1023081	RDDLP UNC 5/16"-18
Z1023101	RDDLP UNC 3/8"-16
Z1023121	RDDLP UNC 1/2"-13
Z1023161	RDDLP -UNC 5/8"-11
Z1023201	RDDLP -UNC 3/4"-10
Z1023211	RDDLP -UNC 7/8"-9
Z1023241	RDDLP -UNC 1"-8
Z1023301	RDDLP -UNC 1 1/4"-7
Z1023361	RDDLP UNC 1 1/2"-6
Z1023421	RDDLP -UNC 1 3/4"-5
Z1023481	RDDLP -UNC 2"-4.5



RDDLP - UNC

Long bolt including nut, locking ring and washer

Stock No.	Code
Z10230801L	RDDLP UNC 5/16"-18 LB
Z10231001L	RDDLP UNC 3/8"-16 LB
Z10231201L	RDDLP UNC 1/2"-13 LB
Z10231601L	RDDLP UNC 5/8"-11 LB
Z10232001L	RDDLP UNC 3/4"-10 LB
Z10232101L	RDDLP UNC 7/8"-9 LB
Z10232401L	RDDLP UNC 1"-8 LB
Z10233001L	RDDLP UNC 1 1/4"-7 LB
Z10233601L	RDDLP UNC 1 1/2"-6 LB
Z10234201L	RDDLP UNC 1 3/4"-5 LB
Z10234801L	RDDLP UNC 2"-4.5 LB

© 2025 Kito Crosby. All Rights Reserved.

Universal weld-on hook, UKN

The original excavator hook

Excavators are often used for material handling and lifting because they are available on most construction sites. However, rigging gear is often incorrectly attached, either to the teeth of the bucket or directly on the excavator arm, which is a dangerous practice that can lead to accidents.

The Gunnebo Industries UKN Hook was developed in 1975 – a solution that transformed the excavator into a lifting crane. The UKN Hook has been fitted to excavators and other applications for almost 50 years, either as an aftermarket product or directly by the manufacturer.

Today the UKN is the hook of choice for leading international excavator manufacturers.

Quality

- Forged alloy steel.
- Hardened and tempered.

100% proof-loaded

- Every hook is individually proof-loaded at 3 x WLL.

High durability

- Forged.
- Rated with a 5:1 safety factor.

Clear markings

- Country of origin.
- Traceability code.
- Model and size.



Heavy duty latch

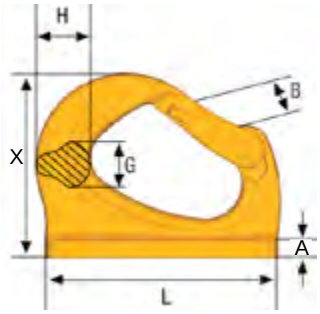
- Latch with handles for easy opening.
- Hardened and tempered.

Prepared for welding

- Base plate prepared for welding.

Pin & spring

- Spring protection.
- Hardened and tempered hinge pin.
- Stainless steel spring.





Universal Weld-On Hook - UKN

Stock No.	Code	WLL metric tonnes**	Dimensions (mm)							Weight (kg)
			B	G	H	K	L	A	X	
Z1002560	UKN-0.75*	0.75	20	13	20	19	81.5	5	56	0.2
Z6511810	UKN-1*	1.0	27	17	25	25	95	6	72	0.6
Z7009060	UKN-2*	2.0	33	20	30	30	114	8	86	0.9
Z6455730	UKN-3	3.0	30	23	32	35	132	10	105	1.3
Z6521160	UKN-4	4.0	30	29	38	42	140	11	114	2.0
Z6455800	UKN-5	5.0	34	30	47	45	165	12	131	3.2
Z6515390	UKN-8	8.0	34	40	51	50	172	13	133	3.6
Z6456030	UKN-10	10.0	47	43	58	55	220	14	170	8.2
Z1007850	UKN-15	15.0	55	50	67	60	240	15	188	9.8
Z1007851	UKN-20	20.0	65	60	85	60	275	15	207	12.4

* Welding plate slightly curved
** Design factor 5:1