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To our many valued customers, we would like to thank you for your patronage.

We hope that you find our catalogue an enjoyable experience in satisfying your creative needs. If you don't see what you are looking for, please call or e-mail us, as we are famous for finding those difficult to locate products.



# LOCATIONS



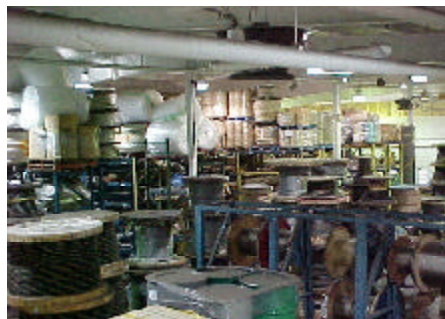
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# COMPANY PROFILE

Bridgeport Wire Rope & Chain is a 15-year old diversified Nova Scotia privately owned company. Our specialty is equipment and apparatus for lifting and securing applications. We supply wire rope, chain, rope and related hardware to industrial, oil & gas, transportation, logging, mining and fishing sectors. Our textile division, Creative Canvas Co., manufactures related industrial and technical textile products, including tarpaulins, nylon web slings, geotextile products, awnings and custom sewn products, Creative Canvas has established itself as the finest custom sewing facility in Eastern Canada.

We have a full rigging shop, complete with a proof load test bed. Our Evita certified wire rope inspectors serve both offshore and onshore industries for inspection of lifting wire, slings, and related hardware. Our Test Bed is approved by Lloyd's register and DNV. Also, Bridgeport operations are registered to ISO 9002 standards.

Our head office & main warehouse is located in Dartmouth, Nova Scotia. We also have Branch offices in St. John's, Newfoundland, Moncton, New Brunswick, and Saint John, New Brunswick.

***TO PURSUE EXCELLENCE IN PRODUCTS, SERVICE AND PEOPLE  
IN ORDER TO  
MEET OR EXCEED OUR CUSTOMERS' REQUIREMENTS***

Registered to:



# ISO 9002

Test Facilities Approved by:



Test Facilities Approved by:



Bridgeport and its staff are proud to have earned certification and recognition from the leading standards groups in this sector. This commitment to consistent quality is maintained during all transactions with customers and suppliers.

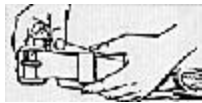




## FALL PROTECTION EQUIPMENT INSPECTION/CERTIFICATION SERVICES

Bridgeport Wire Rope & Chain is proud to introduce another new service. Our fall protection division offers products and services from North America's leading manufactures of fall protection equipment. We specialize in custom inspection and certification services.

Let our team of qualified, competent and trained professionals help develop and manage your fall protection equipment inventory.



We offer state of the art tracking and inventory systems allowing for equipment traceability and employee accountability of equipment.



Our inspection services are available for individual site work or expedient service through our main inspection facility.

Our inspection protocol procedure allows us to monitor and bench mark equipment used on a regular basis thus reducing the need for constant replacement of costly equipment.

Our inspection protocol includes the following:

- √ Written inspection report for each piece of equipment.
- √ Evaluation on the piece of equipment.
- √ Posted record of the equipment reporting pass.
- √ Posted record of the equipment reporting failure.
- √ Yearly report for replacement of equipment
- √ Anniversay reminder for equipment inspections.
- √ Posted certificate 24/7.

### Did You Know?

Inspection records must be maintained on fall protection equipment?



# FALL PROTECTION COURSES DESIGNED TO MEET TODAY'S STRINGENT REQUIREMENTS FOR THE WORKPLACE

## Course 1: Basic Fall Arrest

This course delivers an outline to cover the basic functions of fall arrest and fall prevention.

This course will deal with basic fall arrest equipment and regulations.

Company Specific training; 2 hrs., maximum 10 people

Industry course; 2 hrs., maximum 10 people

## Course 2: Intermediate Fall Arrest

This course delivers an in depth look at fall arrest and fall prevention in the workplace. This hands on session will deal with day to day occurrences and fall arrest equipment.

Company specific training; 2 hrs, maximum 10 people

Industry course; 2 hrs, maximum 10 people

## Course 3: Advanced Fall Arrest

This course delivers information on hazard assessment, equipment evaluation/inspection and competency.

Company specific training; 4 hrs, 10 people

Industry course; 4 hrs, 10 people

Please note: All courses include testing and certificate upon completion.





# FALL PROTECTION / FALL ARREST TRAINING SERVICES

Courses designed to meet today's stringent requirements for fall protection in the workplace. Course content covers government regulations, industry standards, manufacturer practices and work place safety.

We offer Company specific training designed to meet the actual needs of individual customers and Industry training to individuals in the work place throughout Atlantic Canada.

Company specific courses can be held on location or at our training facility in Dartmouth, Nova Scotia. This training is customized to deal with fall protection applications suited to your specific needs.

Industry training will be held throughout Atlantic Canada and our Burnside Facility on a scheduled basis. This training deals with fall prevention protection in a wide variety of applications and situations.

To inquire about course content, placement availability or course locations, please contact your local Bridgeport office or sales representative for more information.

Bridgeport can also provide:

- √ Equipment inspections
- √ Certifications
- √ Designing and Installations Services
- √ Consulting Service

**Did You Know?**

Fall related accidents are the second highest reported accident in North America each year?

Proper training can reduce your chances of a fall.

**Let Bridgeport be your choice for sales, service and training in Atlantic Canada.**



# FALL PROTECTION PRODUCTS



Full Body Harness

Rope Lanyard



Web Lanyard



Shock Absorbing Lanyard



Self Retracting Lifeline



Description	BWRC #	Price
Full Body Harness	83052	68.70
Rope Lanyard 5/8 x 4' c/w snap hooks	83024	66.50
Rope Lanyard 5/8 x 4' c/w snap hook & rebar hook	83023	125.50
Web Lanyard 1" x 6' c/w snap hooks	83054	43.20
Web Lanyard 1" x 6' Shock absorbing, c/w snap hooks	83020	76.90
Self retractable lifeline c/w carabiner & swivel shackle	MFA-FL11-3	276.00
Self retractable lifeline c/w rebar hook & swivel shackle	MFA-FL11-6	310.00





# INSPECTION & TRAINING SERVICES

Bridgeport Inspection and Training Inc. has been supplying both onshore and offshore services for the past 5 years. We are proud to offer a full range of services including the following:

- √ Wire Rope and Lifting Gear Inspection
- √ Database Tracking of Certificates & Inspection reports
- √ Non Destructive Testing (Magnetic Particle Inspection and Load Testing)
- √ 110,000 lb. Load Cell
- √ Power Lubrication for Wire Rope



We also have on staff certified inspection and repair personnel for:

- √ Chain Hoists
- √ DBI/Sala Fall Arrest Gear

At present, our load test facilities are capable of load testing up to 350,000 lbs. Bridgeport's test bed is both Lloyd's and DNV approved.

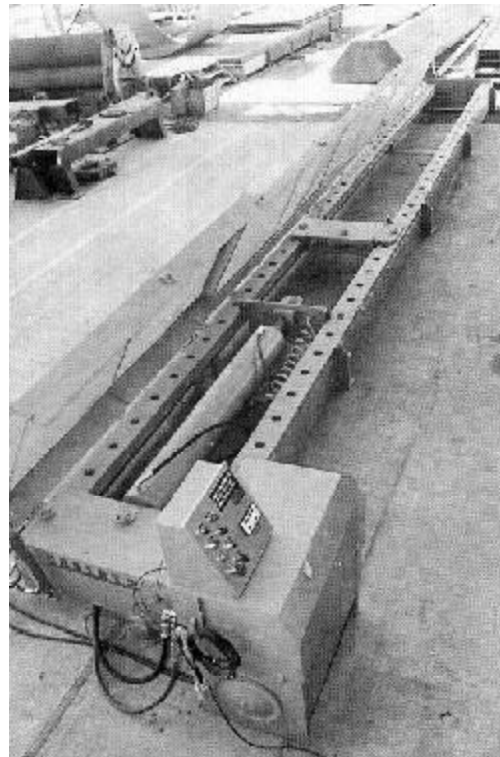
Evita Training Services Ltd., located in the U.K., is recognized the world over for its knowledgeable and experienced staff. Bridgeport Wire Rope & Chain Ltd. has recently been named Evita Training's North American Representative. Working with professional trainers, we can now offer Certification Courses in Wire Rope and Lifting Gear Inspections.



Test Facilities Approved by:



Test Facilities Approved by:



350K, 350,000lb Testing Machine, 40' Long





## **INSPECTION & TRAINING SERVICES**

Bridgeport Inspection & Training offers courses designed to meet stringent offshore & onshore requirements for a safe workplace.

Course 1: **Crosby Lifting Gear**

This course is designed to familiarize participants in lifting gear applications and applicable standards.

Duration: 4 hours

Course 2: **Evita Wire Rope Examiner**

This course delivers an in depth look at proper use of Wire Rope on the job site, also enables the participants to identify degraded products not fit for use.

This course is recognized in the Offshore Petroleum Industry.

Duration: 2 Days

Course 3: **Evita Lifting Gear Examiner**

This course delivers an in depth look at proper use of Lifting Gear on the job site, also enables the participants to identify degraded products not fit for use.

This course is recognized in the Offshore Petroleum Industry.

Duration: 2 Days

Course 4: **Bridgeport Wire Rope & Lifting Gear**

This course is designed to familiarize participants in lifting gear applications and applicable standards.

Duration: 1 Day

Bridgeport Instructors are certified by Evita and Crosby. The above courses are recognized by both PanCanadian and Sable Offshore.





## **IMPORTANT WARNINGS and DEFINITIONS** **for use of this catalogue**

**Use all products properly, in a safe manner and for the application for which they were intended.** All products are sold with the express understanding that the purchaser is thoroughly familiar with their correct application and safe use. The End-User is responsible for design and use decisions. Bridgeport Wire Rope & Chain Ltd. assumes no responsibility for the use or misapplication of any product sold by this company.

Wear, corrosion, overloading, abuse, overuse, alterations and inadequate maintenance affect all products. These factors all contribute to product breakage. With lifting and securing products, breaks can cause loads to fall or swing out of control. Major property damage, serious injury or death can result.

To minimize that risk, follow four basic guidelines.

1. Keep out from under a raised load, and away from the line of force.
2. Understand and observe Working Load Limit.
3. Avoid shock loads.
4. Match components properly.
5. Regularly inspect equipment and components.

### **Maintain safe distances between the load force and personnel.**

Keep out from under a raised load. Stay out of the line of force of a load. Never operate a load over people. Never ride on a load. While planning a lifting or securing project, the key consideration is that no equipment failure can result in personnel injury.

### **Respect the Working Load Limit (W.L.L.) of all assemblies and components**

The WLL is the recommended maximum load to be applied to a product, at any time during its application cycle. It is based on a uniformly applied, straight-line load only, not side loading. WLL ratings are determined for typical environmental conditions. Application in temperature extremes or corrosive environments can reduce stated ratings. Under such conditions, or in higher-risk applications, a reduction to the stated working

load limit should be applied. Any modifications to products will also change the working load limit.

### **Apply forces gradually and uniformly.**

Avoid impacting, jerking or swinging of loads. A shock (sudden) load is generally significantly greater than the static load. The Working Load Limit could be exceeded and component failure result. **AVOID SHOCK LOADS.**

### **Carefully assess all assembly designs and component combinations. Get expert advice when in doubt.**

Components must match. Make certain that components such as hooks, links or shackles are used with wire rope, chain or cordage of suitable material size and strength for safe application. Attachments must be properly installed, and must have a working load limit at least equal to the product with which they are being used. Remember: any device is only as strong as the weakest component.

### **Inspect all equipment regularly, especially before each use.**

No product can keep operating at its rated capacity indefinitely. Inspect products regularly, preferably prior to each use. Carefully check each item for damage, wear, deformation, cracks or elongation – a sure sign of imminent failure. Immediately withdraw such items from service.

The diversity of products and use involved makes blanket recommendations for inspection procedures and frequency impossible. Frequency of inspection will depend on environmental conditions, application, storage of product prior to use, frequency of use, etc. Best results are achieved when qualified personnel base their decision on information from rigging and engineering manuals and on experience from actual use in the field. Keep inspection records to help pinpoint problems and to ensure periodic inspection intervals

Protect all products from corrosion. Rust damage is a real hazard. When in doubt about the extent of corrosion or other damage, withdraw the items from service.

**Destroy, rather than discard, items that have been judged defective.** Someone not aware of the hazard involved might use them again.



# DEFINITIONS

Information in this catalogue is subject to change; all weights and dimensions are approximate. Ratings are stated in short tons (2000 pounds) or pounds. Unless otherwise stated, all dimensions are in Inches and all weights are in pounds.

## **Working Load Limit**

The WLL is the recommended maximum load, which should ever be applied to a product during its use. It is also referred to as Safe Working Load (S.W.L.), Rated Capacity, Rated Load Value, and Resulting Safe Working Load. Whatever the terminology, a force exceeding a product's performance rating must be avoided during all operations.

See also Design Factor.

## **Breaking Strength / Ultimate Strength**

NEVER use breaking strength as criterion for service or design purposes. Refer only to the WLL. Breaking Strengths, when published, were obtained under controlled laboratory conditions. A constantly increasing force is applied in direct line to the product at a uniform rate of speed on a standard pull-testing machine.

## **Design Factor / Safety Factor**

An industry term defining the theoretical safety reserve of a product. It is usually computed by dividing the catalogue Breaking Strength by the catalogue WLL, generally expressed as a ratio.

## **Proof Test Load**

“Proof Test” designates a controlled test applied to the product for the sole purpose of detecting defects in material or manufacture. The Proof Test Load (usually twice the WLL) is the load, which the product withstood without deformation when new, and under laboratory test conditions, similar to Breaking Strength procedures... The Proof Test results can never be considered as justification to exceed W.L.L.

## **Shock Load**

A shock load results from a rapid change in movement, such as impacting, jerking or swinging a static load. Sudden release of tension also causes a shock load. Shock loads are generally significantly greater than static loads. Any shock loading must be considered when selecting the item for use in a system. Avoid shock loads. They can exceed the WLL.

# Introducing

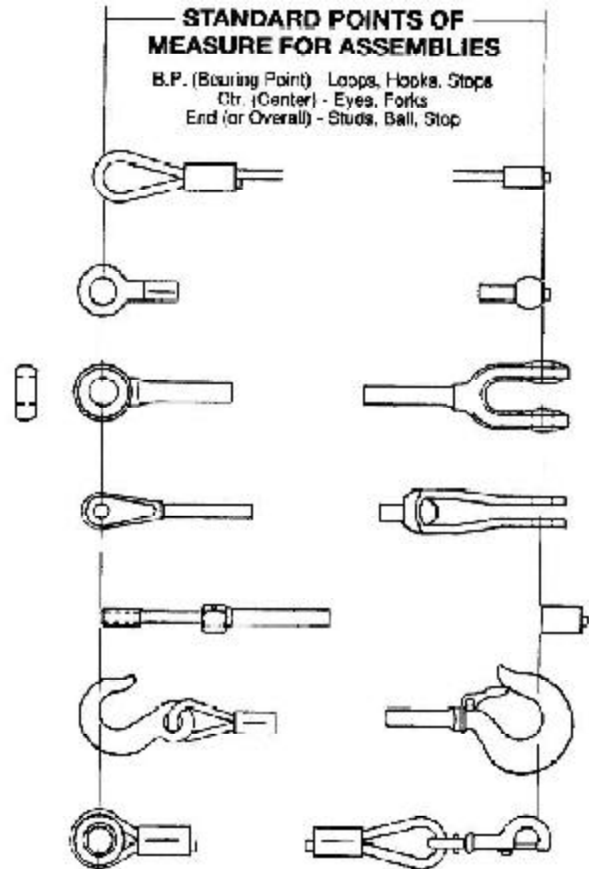
## How To Design Your Assembly

An exciting option that will grow to everyone's benefit, especially the Automotive and Marine Sectors

### MANUAL BENCH SWAGER

Swagers have led the wire rope fabrication industry for over 30 years. You can now enjoy the benefit of rapid rigging service. For large jobs our machine is portable, call us for on site service.

We'll make custom or special ends to meet your specifications, while you wait. We maintain a large inventory of fittings, and both bare and coated cable for your immediate needs.



#### Did You Know?

That we can swage terminals on site?

We can manufacture wire rope assemblies for gas line and brake cables while you wait ?



# Wire Rope

## IMPORTANT WARNINGS

**The general warnings on Pages 10 apply to Wire Rope. Observe them!**

**Wire Rope is a machine. Understand and respect it.**

Like any machine, it needs proper care and maintenance for optimal safety and long service life. All users and operators must should be trained in using and operating wire rope systems, and follow all industry and regulatory standards for its applications.

**Rated Capacity**

Rated Capacity is the load, which a new wire rope may handle under given operating conditions and at, assumed design factor. A design factor of 5 is chosen most frequently for wire rope. (i.e.: Operating Loads not to exceed 20% of catalogue Breaking Strength) Operating loads may have to be reduced when life, limb or valuable property is at risk or other than new rope is used. A design factor of 10 is preferred when wire rope is used to carry personnel. (Operating loads not to exceed 10% of catalogue Breaking Strength)

**Responsibility for choosing a design factor rests with the user.**

**Attachments must have at least the same Working Load Limit as the wire rope used.**

Clips, sockets, thimbles, sleeves, hooks, links, shackles, sheaves, blocks, etc. must match in size, material and strength to provide adequate safety protection. **Proper installation is critical to obtain maximum safety and efficiency.**

**Maintain safe distances and locations while operating wire rope systems.**

Do not operate a load over people. Do not ride on load. Keep out of the line of force during operations. Conduct all lifting operations in such a manner that if equipment were to fall or break, no personnel would be injured.

**Avoid Shock Loads**

**Inspect wire rope regularly**

Check the general condition of the wire rope. Use professional inspection services, or obtain appropriate, specific training in inspections. Look for localized damage and wear, especially at wire rope attachments. Inspect all parts that come in contact with the wire rope. In addition to routine wear and abuse, poor performances of wire rope often results from worn or wrong-sized sheaves, drums, rollers, etc. Look for kinks, broken wires, abrasions, lack of lubrication, rust damage, crushing, reduction of diameter, stretch or other obvious damage.

If any of these conditions exists, or if there is any other possible damage to the wire rope, retire the wire rope. When in doubt about potential damage, remove the rope from service immediately for further assessment. Without controlled testing and/or analysis, it is **impossible** to determine the strength of damaged or used wire. Therefore, any visible damage requires testing or discarding to maintain safety standards.

**Destroy, rather than discard, wire rope to be retired**

Someone not aware of the hazard might use wire rope that is not destroyed again. Destroy wire rope by cutting it into short pieces.



# WIRE ROPE PRIMER

The construction and applications of wire rope is a diverse and complex subject. With the wide range of industrial requirements for wire rope, there are a wide range of sizes and constructions manufactured for the market. A knowledgeable individual should select the wire rope for a specific application with experience in the specific requirements. This primer presents only a basic overview of wire rope terms and types, and how those factors reflect size and construction requirements for wire rope. Bridgeport staff are trained and experienced in answering your inquiries on wire application, pricing and availability.

## CONSTRUCTION

Wire rope is constructed by twisting individual wires into strands, and then twisting the strand bundles around a core to form the rope. The primary construction of the wire is described by number designation. The format is **XX x YY**, where **XX** is the number of bundles of strands used in the wire, and **YY** is the number of wires used to construct a strand. For example, a 6 x 26 wire would have 6 strands in its construction, each strand comprised of 26 wires.

With wire ropes of equivalent diameter, a lower **YY** value indicates a larger wire was used in constructing the strands. The wire rope will therefore have more resistant to abrasion, and also be stiffer. Conversely, a higher **YY** value means smaller wires comprise the strands. With more wires used, they can move more independently. The result is a more flexible wire, but also less abrasion resistance.

## CORE

Wire rope cores are the foundation center to rope construction. It supports the strands and adds to the rope's resilience. The core can be constructed of fiber or metal.

Fibre core is usually identified as **FC** (fibre core) or **PC** (poly core) in the wire's construction designation. Fibre core wire ropes are typically more supple and elastic, resulting in flexible wire that is more resilient to shock loading.

Metal core can be a solid strand, but is more often a stranded core. This is identified as **IWRC**, independent wire rope core. A metal core increases a rope's strength, and its durability. Because metal is less compressible than fibre, **IWRC** construction reduces crushing while running over sheaves, or being wound on drum. **IWRC** construction limits bridging as well. Bridging occurs when strands and wires, which move during operation, are compressed against each other. The resulting stress and fatigue cause the wire to break prematurely.

**IWRC** is also resistant to higher temperatures, which can damage fibre cores.

## CLASSIFICATIONS

Although wire rope is described by its "strand x wire" count, wire with different constructions can have similar properties. This allows substitution amongst specific wire constructions with minimal change in efficiency and effectiveness. Although the classification categories are too diverse to detail in this primer, a few key classes are presented.

**6 x 7** This class includes ropes with 6 strands, around fibre or steel core, with 6 or 7 wires per strand. It is usually large wire with low flexibility, but high abrasion resistance. It is used in drilling, ski or tramway traction cables, and guy wires.

**6 x 19** This class includes ropes with 6 strands, around steel or fibre core, with 15 to 26 wires per strand. This class has the greatest variety of industrial applications. It contains a wide range of combinations of abrasion resistance and flexibility.

**6 x 37** This class includes ropes with 6 strands, around steel or fibre core, with 27 to 49 wires per strand. They deliver maximum flexibility with reasonable resistance to crushing; suitable for high speed multiple revving applications

**17 x 7 & 18 x 7** This class covers non-rotating wires, typically with 11 or 12 outer layer strands laid right hand, over a layer of 6 inner strands laid left hand, around a fibre or steel core. The non-rotating property is required when lifting an unguided load, which could spin, or where the spinning of the load could open the construction of conventional rope.

**Aircraft cable** This class includes smaller diameter ropes with 7 strands, with 7 or 19 wires per strand. They are noted for high tensile strength, high fatigue resistance and minimal stretch. Despite their popular name, they are not intended for aircraft use.

## LAY

The direction of twist in the strand and wire rope construction is referred to as the lay. The designation describes whether the strands rotate to the **right** or **left** away from the observer, when viewed from above.

Right and left lays are combined around the core and in successive layers in various combinations. How the lays are combined or alternated determines the wire rope's application, including rotational properties, resistance to kinking and twisting, splicing properties, and durability.





# WIRE ROPE PRIMER

## MATERIALS

Wire ropes have been manufactured using a wide range of grade of steel. Higher-grade steel gives equivalent size/construction ropes higher breaking strength. Today, most wire constructed from IPS (improved plow steel), EIPS (extra improved plow steel), or EEIPS (extra improved plow steel) BRIDGEPORT typically stocks EIPS grade wire rope.

## SURFACE FINISH

Wire with an uncoated finish is referred to as Bright (BRT). Galvanized (GAL) wire has zinc coating on the surface, and provides improved resistance to corrosion. Wire is also produced in Stainless Steel (SS), which provides superior corrosion resistance. For equivalent wire size and construction, Bright is the least expensive, Stainless the most expensive.

Some wires are drawn through a die after construction. They are referred to as swaged, compressed, die-formed, or proprietary terms for that process. This reduces the ridges that result from the wire/strand construction, making a flatter wire. This can improve wire contact with sheaves or other surfaces during specialized applications.

Most wires have a lubricant added during construction. This aids the movement of the wire components against each other, and aids in corrosion resistance. Typically a light lubricant, a heavier grease form can be used to effectively seal the wire. All lubricated wires should be re-lubricated while in service as a maintenance program. Some specialized wires are constructed with no lubricant to facilitate their field application.

Wire rope is also produced with a vinyl/plastic covering. This can increase the overall diameter of the wire (i.e.: an exterior jacket), or fill the voids between the strands and wires. Depending on the coating material, size and application, the coating provides corrosion protection, excludes dirt penetrating the wire construction, and acts as a lubricant or bridging reducer

## UNREELING/UNCOILING

When unreeling or uncoiling wire rope, it is essential that the reel or coil can rotate. When unwound from a stationary reel or spool, wire rope will kink, ruining the rope's properties. Mount the reel on a movable horizontal or vertical spindle, and pull off the rope. Alternately, the rope end can be secured and the reel rolled to play off the rope. When coiled, the rope end must be secured and the coil rolled like a hoop to play off the rope.

To transfer rope from one reel to another, the rope should travel from the top of one reel to the top of the take-up reel. Reeling from bottom to bottom of the reels is also acceptable, provided potential floor contact doesn't put dirt or contamination on the wire.

## GAUGING WIRE ROPE SIZE

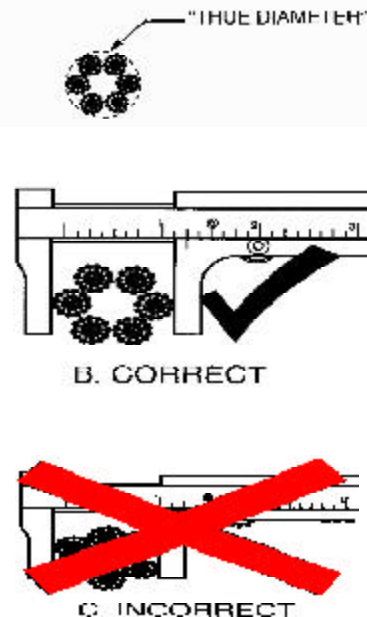
Wire rope size is expressed as the rope diameter. It is best measured with a micrometer. Rotate the micrometer around the rope to ensure maximum diameter measurement. Otherwise, the smaller diameter between strand ridges could be measured. When measuring rope that has been in service, measure at numerous points along its length. This ensures measurements are not based on a flattened or elongated point caused by usage.

## HOW TO ORDER WIRE ROPE

A wire rope order should minimally specify the required diameter, length, construction, and grade (i.e.: steel, surface finish, etc.) Be sure to include any specific instructions to facilitate your use of the wire rope. This could include preferences such as on reel or coil storage, or specialized fittings and their attachment points

If you are uncertain about a specification, provide your Bridgeport contact with details of your application and required results. Our objective is to ensure you receive the product that meets your needs.

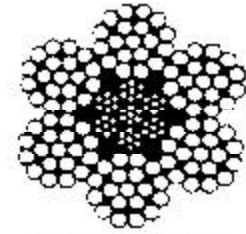
## MEASURING OF WIRE ROPE



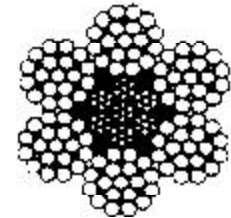


# WIRE ROPE

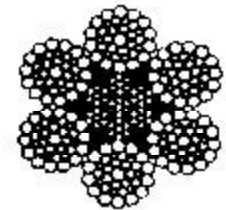
Diameter (in.)	Construction	Core	Finish	Working Load Limit (lb)	BWRC Part #	Price (ft)
1/16	1x7	NA	GAL. seizing	NA	31126	0.14
1/16	7x7	IWRC	GAL. ACC	110	30180	0.05
1/16	7x7	IWRC	SS ACC	100	30190	0.11
3/32	1x7	NA	GAL. seizing	NA	31125	0.15
3/32	7x7	IWRC	GAL. ACC	200	31115	0.08
3/32	7x7	IWRC	GAL. PVC coated to 3/16	200	31123	0.18
3/32	7x7	IWRC	GAL. PVC coated to 1/4	200	31124	0.49
3/32	7x7	IWRC	SS ACC	180	31118	0.18
1/8	7x19	IWRC	GAL. ACC	400	30380	0.13
1/8	7x7	IWRC	GAL. PVC coated to 3/16	320	30385	0.25
1/8	7x19	IWRC	GAL. nylon coated to 3/16	400	30395	0.79
1/8	7x7	IWRC	SS ACC	260	30390	0.25
5/32	7x19	IWRC	GAL. ACC	560	30653	0.17
5/32	7x7	IWRC	SS ACC	480	30654	0.38
3/16	7x19	IWRC	GAL. ACC	840	30410	0.15
3/16	7x19	IWRC	GAL. PVC coated to 1/4	840	30411	0.32
3/16	7x19	IWRC	GAL. nylon coated to 1/4	840	30415	0.98
3/16	7x7	IWRC	SS ACC	700	30409	0.64
1/4	1x7	NA	GAL. Guy Strand	1260	30348	0.27
1/4	7x19	IWRC	GAL. ACC	1330	30350	0.19
1/4	7x19	IWRC	GAL. PVC coated to 5/16	1330	30360	0.41
1/4	7x19	IWRC	SS ACC	1280	30375	0.92
5/16	1x7	NA	GAL. Guy Strand	2130	30649	0.30
5/16	7x19	IWRC	GAL. ACC	1960	30650	0.30
5/16	7x19	IWRC	GAL. PVC coated to 3/8	1960	30651	0.59
5/16	7x19	IWRC	SS ACC	1900	30652	1.47
5/16	6x36	IWRC	GAL.	1900	30902	0.74
5/16	19x7	IWRC	BRT N/R	1630	30648	1.05
3/8	1x7	NA	GAL. Guy Strand	3080	30595	0.48
3/8	7x19	IWRC	GAL. ACC	2880	30600	0.39
3/8	7x19	IWRC	GAL. PVC coated to 7/16	2880	30647	0.64
3/8	7x19	IWRC	SS ACC	2280	30645	1.89
3/8	6x19	poly	GAL.	2100	30570	0.54
3/8	6x24	poly	GAL. Clean	1625	30585	0.54
3/8	6x26	IWRC	BRT	3000	30620	0.77
3/8	6x36	IWRC	GAL.	3000	30644	0.98
3/8	19x7	IWRC	BRT N/R	2400	30538	1.11



5 x 19 (1 + 6 + 12)  
WITH IWRC



6 x 25 FILLER WIRE  
WITH IWRC



6 x 36 WARRINGTON  
SEALE WITH IWRC

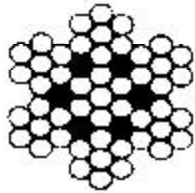
Did You Know?  
Keeping your wire properly lubricated prolongs wire life



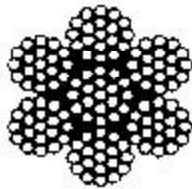


# WIRE ROPE

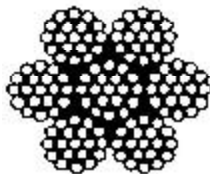
Diameter (in.)	Construction	Core	Finish	Working Load Limit (lb)	BWRC Part #	Price (ft)
7/16	6x19	poly	GAL.	6,460	30808	0.64
7/16	6x24	poly	GAL.	2,600	30790	0.56
7/16	6x26	IWRC	BRT	4,140	30805	0.90
7/16	6x36	IWRC	GAL.	3,670	30809	1.25
7/16	19x7	IWRC	BRT N/R	3,300	30788	1.16
1/2	6x19	poly	GAL.	3,660	30230	0.70
1/2	6x24	poly	GAL. Clean	3,360	30250	0.55
1/2	6x26	IWRC	BRT	5,000	30320	1.01
1/2	6x26	IWRC	GAL.	4,500	30322	1.15
1/2	6x26	IWRC	SS	4,300	30324	4.90
1/2	6x26	IWRC	Swaged	6,000	30321	1.40
1/2	6x36	IWRC	BRT	5,000	30340	1.73
1/2	6x36	IWRC	GAL.	4,500	30343	2.06
1/2	6x37	poly	GAL.	3,600	30275	1.06
1/2	19x7	IWRC	BRT N/R	4,300	30215	1.39
1/2	6x26	IWRC	SuperSwaged	7,000	30325	1.61
9/16	6x19	poly	GAL.	5,100	30930	1.02
9/16	6x24	poly	GAL. Clean	4,100	30960	0.59
9/16	6x26	IWRC	BRT	6,500	30965	1.18
9/16	6x26	IWRC	Swaged	8,000	30967	1.44
9/16	6x36	IWRC	GAL.	6,040	30962	1.55
9/16	18x7	poly	GAL.		30925	1.86
9/16	19x7	IWRC	BRT N/R	5,400	30926	1.75
5/8	6x15	poly	Lashing	NA	30426	0.63
5/8	6x19	poly	GAL.	7,600	30693	1.18
5/8	6x21	poly	Drill Line	6,680	30695	1.32
5/8	6x24	poly	GAL. Clean	5,400	30720	1.07
5/8	6x26	IWRC	BRT	8,000	30760	1.18
5/8	6x26	IWRC	GAL.	7,400	30762	1.57
5/8	6x26	IWRC	Swaged	10,000	30761	1.47
5/8	6x36	IWRC	BRT	8,000	30780	1.57
5/8	6x36	IWRC	GAL.	7,400	30774	1.61
5/8	6x37	poly	GAL.	5,700	30778	1.60
5/8	19x7	IWRC	BRT N/R	6,700	30674	1.89
5/8	18x7	poly	GAL. N/R	6,040	30672	1.92



7 x 7



7 x 19

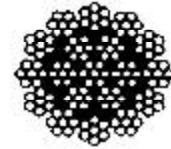


7 x 19

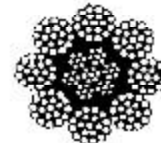


# WIRE ROPE

Diameter (in.)	Construction	Core	Finish	Working Load Limit (lb)	BWRC Part #	Price (ft)
3/4	6x15	NA	Lashing	NA	30428	0.81
3/4	6x19	poly	GAL.	12,200	30429	1.71
3/4	6x21	poly	LH Drill Line	9,000	30433	1.68
3/4	6X24	poly	GAL. Clean	7,400	30475	1.38
3/4	6x26	IWRC	BRT	12,000	30520	1.72
3/4	6X26	IWRC	GAL.	10,600	30528	2.06
3/4	6x26	IWRC	Swaged	14,000	30460	2.75
3/4	6x36	IWRC	BRT	12,000	30533	2.06
3/4	6x37	poly	GAL. Clean	9,000	30535	1.92
7/8	4x7	poly	GAL.	14,600	30810	1.86
7/8	6x19	poly	GAL.	11,600	30856	2.31
7/8	6x24	poly	GAL. Clean	16,000	30860	1.76
7/8	6x26	IWRC	BRT	14,500	30890	2.44
7/8	6x26	IWRC	GAL.	14,500	30893	2.79
7/8	6x36	IWRC	BRT	16,000	30896	2.80
7/8	6x36	IWRC	GAL.	14,500	30895	3.18
7/8	7 Flex	IWRC	MacWhyte	14,900	30892	5.20
7/8	19x7	IWRC	BRT N/R	13,000	30815	3.15
1	6x19	poly	GAL.	21,000	30110	2.67
1	6x24	poly	GAL. Clean	12,500	30125	2.34
1	6x26	IWRC	BRT	20,000	30160	2.79
1	6x26	IWRC	GAL.	18,600	30165	3.39
1	6x36	IWRC	BRT	20,000	30171	2.97
1	6x36	IWRC	GAL.	18,600	30174	3.36
1	6x37	poly	GAL. Clean	16,000	30172	3.24
1	7 Flex	IWRC	MacWhyte	19,400	30202	4.95
1	19x7	IWRC	BRT N/R	16,800	30106	4.13
1 1/8	6x19	poly	GAL.	24,000	30060	3.20
1 1/8	6x24	poly	GAL. Clean	16,400	30075	3.38
1 1/8	6x26	IWRC	BRT	25,000	30100	3.70
1 1/8	6x26	IWRC	GAL.	22,200	30101	3.77
1 1/8	6x36	IWRC	GAL.	22,200	30103	4.41
1 1/8	19x7	IWRC	BRT N/R	21,000	30104	4.89



19 x 7 ROTATION RESISTANT WITH WIRE STRAND CORE



8 x 25 SPIN RESISTANT WITH IWRC



3 x 46 ROTATION RESISTANT GALVANIZED



# WIRE ROPE

Diameter (in.)	Construction	Core	Finish	Working Load Limit (lb)	BWRC Part #	Price (ft)
1¼	6x26	IWRC	BRT	30,000	30045	4.40
1¼	6X36	IWRC	BRT	30,000	30038	4.50
1¼	6X36	IWRC	GAL.	27,000	30058	4.55
1½	6x26	IWRC	BRT	44,000	30005	6.25
1½	6x36	IWRC	GAL.	39,100	30015	6.72
1¾	6x36	IWRC	GAL.	52,000	30020	9.45
2	6x36	IWRC	GAL.	67,600	30030	14.00
2¼	6x36	IWRC	GAL.	84,600	30044	17.80
2½	6X36	IWRC	GAL.	102,600	30050	22.50

# GALV. AIRCRAFT CABLE

## PRE CUT REELS

Diameter (in.)	Construction	Core	Finish	Length (ft)	BWRC Part #	Price per reel
1/16	7x19	IWRC	Gal ACC	500	31005	20.52
1/8	7x19	IWRC	Gal ACC	500	31010	35.53
3/16	7x19	IWRC	Gal ACC	500	31014	77.00
1/4	7x19	IWRC	Gal ACC	500	31018	97.86
5/16	7x19	IWRC	Gal ACC	500	31022	159.40
3/8	7x19	IWRC	Gal ACC	500	31026	201.08
1/16	7x19	IWRC	Gal ACC	1000	31008	38.58
1/8	7x19	IWRC	Gal ACC	1000	31012	61.60
3/16	7x19	IWRC	Gal ACC	1000	31016	147.00
1/4	7x19	IWRC	Gal ACC	1000	31020	189.00
5/16	7x19	IWRC	Gal ACC	1000	31024	298.40
3/8	7x19	IWRC	Gal ACC	1000	31028	390.60





# METRIC WIRE

Diameter (mm)	Construction	Core	Finish	Working Load Limit (lb)	BWRC Part #	Price (ft)
9	8x19	IWRC	BRT	2220	30934	1.21
11	8x19	IWRC	BRT	3315	30383	1.71
13	8x36	IWRC	BRT	4520	30387	1.81
14	8x36	IWRC	BRT	5258	30389	1.87
16	8x36	IWRC	BRT	6864	30391	2.19
19	8x36	IWRC	BRT	9680	30981	2.97

# TRAWL WARP

Bridgeport's TRIPLE 'SSS' trawl warp delivers longer life than regular 6x19 trawl wire. Your material and labor costs are reduced. With 3.5% larger diameter outside wires, TRIPLE 'SSS' delivers greater abrasion resistance and greater overall strength. See that strength gain below. The high-grade steel controlled heating and lead patenting of TRIPLE 'SSS' delivers that extra strength without sacrificing flexibility.

TRIPLE 'SSS' is available in rope diameters of 1/2" to 1-1/8". Look for the distinctive Double Red Strand.

Diameter (in.)	Construction	Core	Finish	Regular Trawl Wire Breaking Strength (lb.)	Triple "SSS" Trawl Wire Breaking Strength (lb)	BWRC Part #	Price (ft)
3/8	6x19	poly	GAL.	10,500	11,300	30570	0.54
7/16	6x19	poly	GAL.	14,900	16,250	30806	0.68
1/2	6x19	poly	GAL.	18,300	26,700	30229	0.86
9/16	6x19	poly	GAL.	21,200	34,000	30931	1.10
5/8	6x19	poly	GAL.	30,000	40,000	30692	1.20
3/4	6x19	poly	GAL.	42,100	57,000	30430	1.78
7/8	6x19	poly	GAL.	56,500	78,300	30856	2.31
15/16	6x19	poly	GAL.	67,200	88,400	30975	2.40
1	6x19	poly	GAL.	78,800	100,600	30110	2.67
1 1/8	6x19	poly	GAL.	91,400	126,500	30059	3.37





# ROPE

## PRODUCT WARNINGS

**The general warnings on Pages 10 apply to Wire Rope. Observe them!!**

### **NEVER EXCEED WORKING LOAD LIMIT OF ROPE**

Use published WLL as guidelines only. WLL should be reduced when life, limb or valuable property is at risk, or other than new rope is used. When using multiple leg rope slings, the WLL of each leg will have to be reduced considerably. Consult industry recommendations for information such as those published by the Cordage Institute. WLL will not apply if rope has been subjected to severe dynamic loading, which may not leave visible signs.

### **AVOID OVERHEATING**

Exposure to high temperatures will cause rope to lose strength rapidly. Even temperatures as low as 150 degrees Fahrenheit (66 degrees Celsius) can reduce the strength of some ropes by 50%. When using synthetic rope (especially polypropylene) on a capstan or a winch, be careful to avoid excessive friction, which heats melts and fuses the outer fibers of the rope. Avoid repeated surging or hard rendering around poles or over cross arms. Polyester rope resists overheating best due to its high melting point.

### **ATTACHMENTS MUST HAVE AT LEAST THE SAME WORKING LOAD LIMIT AS THE ROPE USED.**

Hooks, links, shackles, etc. must be of suitable material and strength to provide adequate safety protection. Splice ropes properly and use thimbles if applicable. Choose rope to match gear or gear to match rope. Sheaves, pulleys, thimbles, etc. that do not match the rope size used can cause dangerous friction, abrasion, or overload.

### **MAINTAIN SAFE DISTANCES AND LOCATIONS WHILE USING ROPE.**

Do not operate a load over people. Do not ride on load. Conduct all lifting and securing operations in such a manner that if equipment were to fall or break, no personnel would be injured. **NEVER STAND IN THE LINE OF ROPE UNDER STRAIN.** If the rope breaks it will recoil with considerable force, especially if it is nylon.

**REMOVE ROPE FROM COILS AND REELS PROPERLY.** Regular right hand laid rope should be uncoiled in a counter clockwise direction.

*Coiled Rope:* Lay the coil on the floor with the inside end at bottom, then reach down through the center and pull the inside up through the coil.

*Reeled Rope:* Remove the rope from a reel by pulling it off the top while the reel is free to rotate. Rope should never be taken from a reel lying on its end because it is more likely to kink or hockle or pull yarns on the wooden flange.

### **AVOID SHOCK LOADS.**

Rope that is strong enough to withstand a steady pull can be broken with a sudden jerk. Be aware of all possible dynamic-loading situations. Avoid them, or use stronger rope when they cannot be avoided. The effects of dynamic loading are greater on shorter ropes than on longer ropes, and greater on low elongation ropes (Manila and polypropylene) than on high elongation ropes (nylon).

### **INSPECT ROPE FREQUENTLY.**

Closely examine the entire length of rope to determine general condition and detect localized wear. Excessive abrasion, fusing of outside fibers, hockles, rust or other chemical stains, broken fibers or other obvious damage are reasons to retire rope from service. Twisting strands open and checking for powdered fiber can assess internal damage. Rope that is suspect of having been exposed to severe shock loads, or loads close to its catalog breaking strength, should be retired immediately. Such damage may not be visible. Actual remaining strength of damaged or used rope can only be established by laboratory analysis and tension tests.

### **DESTROY, RATHER THAN DISCARD, ROPE TO BE RETIRED.**

Someone not aware of the hazard or defect might use it again. This is best achieved by cutting it up into short pieces.



## PROPER CARE OF ROPE

**Avoid abrasion and unnecessary wear.** Outer fibers as well as inner fibers contribute to a rope's strength. When outer fibers are worn by chafing or dragging over splintered, rough or gritty surfaces, the rope is worn and weakened. When rope is used on cleats, winchheads etc. make sure they are smooth and use chafing gear when possible. Prevent unraveling of rope - whip or tape cut ends.

**Avoid sharp angles and bends.** Sharp angles greatly affect the strength of a rope. Any sharp angle or bend is a weak spot. Use thimbles or chafing gear or padding where possible. Knots are also weak spots. They can reduce strength by as much as 50% or more. Use splices instead.

Splice rope correctly. When a small section of a rope has been worn or damaged, cut out the section and splice it together. Splice in extra tucks for synthetic fiber ropes. Use proper splicing procedures as outlined by the Cordage Institute. Do not re-splice rope that broke due to being overloaded - discard it. Its remaining strength will only be a fraction of the WLL when new.

**Avoid sustained loads.** Fiber ropes subjected to heavy loads for long periods of time can break well below catalog Breaking Strength. Natural fiber ropes such as Manila and Sisal have less ability to take sustained loads than synthetic fiber ropes such as nylon and polypropylene. Never exceed the WLL and do not subject fiber rope to sustained loads for more than two days.

**Avoid rust.** All ropes, synthetic or natural, should be kept away from rusting iron or steel. Rust can cause rapid loss of strength, sometimes in as short a time as one to two weeks. If ropes become rust stained, inspect the extent of the stain. If it is halfway through the rope, the rope's capacity may be reduced by as much as 50%.

**Keep rope away from chemicals.** Even though synthetic rope is generally considered to be resistant to damage from oils, gasoline, paint and most chemicals, exposure to any of these may cause some damage. Avoid contact with such things as storage battery solution, washing compounds or solutions, and animal wastes. Strong acids, alkalis and solvents can damage any rope. Natural fiber rope is extremely vulnerable to all chemicals and solvents.

**Avoid the use of swivels in ropes under load.** A loss of turn will cause permanent damage to the rope.

**combination with a rope of lower stretch.** The nylon line will stretch and not carry its proportionate share of the load, thus putting extra strain on the other lines.

**Reverse ends of the rope periodically.** Especially in tackles and winches, reverse the rope end-for-end periodically so that all sections will be worn equally. Also, using a line in one direction over a winch many times can also damage the rope by twisting it too tight, or untwisting it so that hockles occur. Kinks pulled through a restricted space, such as a tackle block, can seriously damage rope fibers. The initial use should be in a clockwise direction, then reverse the rope periodically.

**Slack off guys in wet weather.** When ropes are used as guy lines or other supports exposed to weather, they should be slacked off in wet weather, or damage to the rope, as well as what is being supported, may result.

**Store rope properly.** Rope is best stored in a dry, unheated place where air circulates freely, off the floor, and away from direct sunlight and other contact with the elements. Keep in mind that synthetic ropes will deteriorate in direct sunlight due to exposure to ultraviolet radiation. Light colored polypropylene especially is severely affected, smaller diameters more so than larger ones. Natural fiber ropes (Manila and Sisal) will deteriorate in storage even under ideal conditions.

**Dry rope properly.** Whenever natural fiber ropes become wet they should always be thoroughly dried before they are stored or they will rot in a very short time. Do NOT dry synthetic fiber rope in direct sunlight.

**Keep rope clean.** Dirt on the surface of rope can become embedded inside and act as an abrasive on fibers. When rope gets dirty, wash it thoroughly with clean fresh water. Remember to dry natural fiber rope before storing.

When substituting natural fiber rope with synthetic fiber ropes (or synthetic for synthetic) substitution should not be made on a straight breaking strength-for-breaking strength basis only. Other important factors must be considered.



# POLYPROPYLENE ROPE



Bridgeport carries a full line of SuperDan 3-stand polypropylene rope. SuperDan delivers advanced durability, with excellent anti-abrasion properties and prolonged lifetime (over 105% that of regular poly). It also delivers superior strength, typically up to 50% greater than B.S. and ISO ratings. A proven multi-purpose rope, it has excellent application in the fishing sector, especially for deep-water traps.

Diameter (in.)	Quantity (ft.)	Breaking Strength (lb) Superdan	Colour	BWRC Part #	Price (\$/lb.)
¼	1,200	1670	Green	20795	2.17
¼	1,200	1670	Yellow	20797	2.17
⅜	1,200	2560	Green	20807	2.17
⅜	1,200	2560	Yellow	20860	2.17
⅝	1,200	3170	Green	20800	2.17
⅝	1,200	3170	Yellow	20799	2.17
¾	1,200	3920	Green	20802	2.17
¾	1,200	3920	Yellow	20803	2.17
7/16	1,200	4870	Green	20813	2.17
7/16	1,200	4870	Yellow	20862	2.17
½	600	6870	Green	20804	2.17
½	600	6870	Yellow	20866	2.17
½	1,200	6870	Green	20805	2.17
½	1,200	6870	Yellow	20864	2.17
9/16	1,200	9320	Green	20806	2.17
9/16	1,200	9320	Yellow	20824	2.17
5/8	600	11500	Green	20808	2.17
5/8	600	11500	Yellow	20870	2.17
5/8	1,200	11500	Green	20809	2.17
5/8	1,200	11500	Yellow	20868	2.17
¾	600	14600	Green	20810	2.17
¾	600	14600	Yellow	20872	2.17
¾	1,200	14600	Green	20811	2.17
7/8	600	21100	Green	20812	2.17
7/8	1,200	21100	Green	20801	2.17
1	600	24300	Green	20814	2.17
1 1/8	600	31600	Green	20816	2.17
1 1/4	600	34600	Green	20818	2.17
1 1/2	600	48500	Green	20820	2.17
1 5/8	600	58500	Green	20822	2.17
2	600	87800	Green	20825	2.17



# ROPE



## Polypropylene 8 Strand (Plated) Super Dan

Circumference (in.)	Diameter (in.)	Quantity (ft.)	Average Breaking Strength (lb.)	BWRC Part #	Price (\$/lb.)	Weight per coil (lb)
5	1 5/8	720	62500	21897	2.35	382
6	2	720	91400	21902	2.35	577
7	2 1/4	720	120600	21912	2.35	781
8	2 5/8	720	155000	21922	2.35	1016
9	3	720	197100	21932	2.35	1282
10	3 1/4	720	238600	21927	2.35	1584

## Polypropylene 3 Strand (Yellow)

### Industrial Reels

Diameter (in.)	Quantity (ft.)	Breaking Strength (lb.)	BWRC Part #	Price per Coil
3/16	2125	720	21060	34.50
1/4	1310	1050	21055	34.50
5/16	975	1700	21065	34.50
3/8	630	2450	21070	34.50
1/2	335	3600	20989	34.50
5/8	200	5500	21075	34.50
3/4	125	8000	21080	34.50

Did you Know?

Tying knots in rope reduces strength by up to 50%

## Polypropylene 8 Strand (Plated) Danline

Circumference (in.)	Diameter (in.)	Quantity (ft.)	Average Breaking Strength (lb.)	BWRC Part #	Price (\$/lb.)	Weight per coil (lb)
5	1 5/8	720	36,000	21895	2.35	342
6	2	720	52,000	21900	2.35	497
7	2 1/4	720	69,000	21910	2.35	663
8	2 5/8	720	90,000	21920	2.35	864
9	3	720	114,000	21930	2.35	1102
10	3 1/4	720	137,000	21925	2.35	1368

Diameter (in.)	Quantity (ft.)	Breaking Strength (lb.)	BWRC Part #	Price (\$/lb.)	Weight per Coil (lbs)
1/4	1,200	1650	20520	6.77	18
5/16	1,200	2550	20568	6.77	30
3/8	1,200	3700	20540	6.77	42
1/2	600	6400	20510	6.77	39
5/8	600	10400	20560	6.77	63
3/4	600	14200	20530	6.77	87
1	600	25000	20495	6.77	156







# ROPE

## Sash Cord

Type	Diameter (in.)	Quantity (ft.)	BWRC Part #	Price (ea.)
#5	1/8	1,000	22115	96.60
#6	3/16	100	22117	11.62
#6	3/16	760	22116	96.60
#7	7/32	100	22118	13.93
#7	7/32	660	22119	96.60
#8	1/4	100	22140	15.81
#8	1/4	500	22150	96.60
#10	5/16	100	22120	24.35
#10	5/16	350	22125	96.60
#12	3/8	100	22130	37.03
#12	3/8	240	22135	96.60
#16	1/2	170	22155	96.60

## Tarred Marlin

Quantity (lb.)	BWRC Part #	Price (\$/lb.)	Price per Coil (approx.)
1	00910	7.40	7.40
5	00905	7.10	35.50

## Barbour Twine

Quantity (g.)	BWRC Part #	Price Spool
250	00300	31.95

# SPLICING TOOLS

## Aluminum Fids

Rope Size (in.)	BWRC Part #	Price (ea.)
1/4	80710	8.37
3/8	80720	9.77
1/2	80705	11.17
5/8	80725	13.99
3/4	80715	16.77
7/8	80730	20.99
1	80700	26.54



## Pushers

Length (in.)	BWRC Part #	Price
11 1/2	81250	5.59
17	81245	9.37



## Sail Needles

Type	Length (in.)	BWRC Part #	Price
#16	2 3/8	81174	1.40
#15	2 1/2	81172	1.40
#14	2 1/4	81171	1.40
#13	3 1/8	81169	1.40
#12	3 3/8	81168	1.40
#11	3 1/2	81173	1.75
#10	3 3/4	81167	1.80
#8	4 5/8	81166	1.59



## Wood Fids

Length (in.)	BWRC Part #	Price (ea.)
6	80742	8.79
8	80745	9.73
10	80750	12.03
12	80755	12.95
14	80760	14.55
16	80765	20.93
18	80770	30.51
20	80772	36.39
24	80774	51.64



## Sail Palm

Style	BWRC Part #	Price
Right Hand	81317	17.29
Left Hand	81318	17.29





# CHAIN

## IMPORTANT WARNINGS

The general warnings on Pages 10 apply to Chain. Observe them!!

Use only alloy chain for overhead lifting  
Grade 80 and Grade 100 alloy chain is the ONLY type of chain that can be used for overhead lifting.

Never exceed the Working Load Limit of the chain.  
The Working Load Limit is the maximum load that to be applied to the chain, even when new and load is uniformly applied. WLL applies only to straight line pulls. When using multiple leg chain slings, the WLL of each leg will be reduced considerably depending on the angle of the sling legs.

Attachments must have at least the same Working Load Limit as the chain used.  
Hooks, links, shackles, etc. must be of suitable material and strength to provide adequate safety protection.

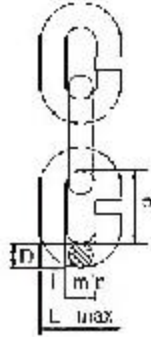
Maintain safe distances and locations while operating wire rope systems.  
Do not operate a load over people. Do not ride on load. Keep out of the line of force during operations. Conduct all lifting operations in such a manner that if equipment were to fall or break, no personnel would be injured.

Avoid Shock Loads.

Inspect Chain Frequently.  
Eliminate twists and kinks in chain before using. Use that process to inspect the chain before each use. No product can keep operating at its rated capacity indefinitely. Closely examine each link for deformation, cracks, elongation, corrosion, rust, or other damage. Take chain out of service even if only one bad link is found. Do not attempt to repair damaged or worn links in a chain. Attempting to weld, anneal, heat treat or hot galvanize alloy chain will completely destroy its capacity.

Destroy, rather than discard, chain that is judged to be defective.  
Chain that is not destroyed might be used again by someone not aware of the hazard associated with that use. Destroy chain by cutting it into short pieces.

# C H A I N



## Grade 30 Self Coloured

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
1/4	400	1,100	40051	0.55
5/16	275	1,900	40190	0.85
3/8	200	2,400	40180	1.23
1/2	200	4,150	40023	2.03
5/8	150	6,900	40203	4.13

## Grade 30 Galvanized

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
3/16	1,500	620	40095	0.48
1/4	800	1,100	40055	0.77
5/16	550	1,900	40185	0.98
3/8	400	2,400	40140	1.47
1/2	200	4,150	40025	2.59
5/8	150	6,900	40205	4.34
3/4	100	10,600	40110	7.00
1	60	13,950	40005	18.90
1 1/4	90	26,500	40265	26.30

## Grade 43 Windlass Chain

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
5/16	xxx	3,900	40193	3.08
3/8	xxx	5,400	40179	3.68
3/8 BBB. BLK	197	2,700	40173	3.20

## Grade 80

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
9/32	800	3,500	40220	2.94
3/8	400	7,100	40182	3.64
1/2	200	12,000	40028	6.43
5/8	150	18,100	40206	10.70
3/4	100	28,300	40115	16.72

## Grade 70

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
1/4	800	3,150	40067	1.76
5/16	550	4,700	40195	1.85
3/8	400	6,600	40160	2.25
1/2	200	11,300	40037	5.18

## Marine Mid-Link Chain Regular and Long Link

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
3/8	400	6,200	40245	3.15
1/2	200	10,575	40250	4.43
5/8	150	16,150	40255	5.50
3/4	100	24,640	40118	8.33
<b>S</b> Supersweep	150	15,800	40214	7.20

## Stainless Steel

Diameter (in.)	Feet/Drum	Working Load Limit (lb.)	BWRC Part #	Price (\$/ft.)
1/8	800	375	40070	2.10
3/16	750	1,200	40085	2.73
1/4	800	2,000	40068	4.13
5/16	550	2,850	40197	5.95
3/8	400	3,550	40184	8.75
1/2	200	6,500	40030	16.40



**WORKING LOAD LIMITS for  
WIRE ROPE SLINGS**

# WIRE SLINGS

**Wire Rope Slings and Assemblies**

Wire rope slings are available for use in a wide range of applications. In their simplest form, often called chokers, they are a single leg of wire rope with eyes/loops, fittings or plain wire at the ends. They are used in vertical, choker or basket configurations. Bridgeport stocks single leg slings with standard (soft) eyes in commonly requested wire diameters and lengths. Other slings are constructed in our rigging shops to meet customer orders.

Multi-legged slings, also referred to as bridles or spreaders, are used to lift larger, or heavier, objects. Because of the diversity of these slings, all multi-legged slings are manufactured on a per order basis. This assures our customers receive the specific lengths, configurations, and fittings essential for their effective use. The overall lift capacity of multi leg slings is affected by the angle of lift. This angle is determined mainly by the bridle leg length. Contact your Bridgeport representative for more information on how to determine those lengths, arrange an on-site assessment or for additional information on meeting special requirements.

Orders are typically processed in sequence. However, our shops pride themselves on meeting essential priority-production requests. We achieve this with dedicated, experienced staff, and the most comprehensively stocked wire rope and hardware inventory in Eastern Canada.

Bridgeport will also work with you to develop and manufacture larger scale production runs of slings, and wire rope based components and assemblies.

**Testing and Certification Programs**

As an ISO 9002 certified facility, Bridgeport understands and supports your requirements for the testing, certification and identification of slings. Our in-house test beds enable individual proof testing of slings and assemblies. Test Certificates, Certificates of Compliance, and Mill Certificates are available for all Bridgeport wire rope products, upon request.

**Ordering a Wire Rope Sling**

- A complete order needs to specify:
  - Wire rope construction, diameter and surface finish
  - Overall leg length, measured “pull-to-pull” (i.e. lift point to lift point)
  - Type of eye, fittings or end termination.
  - Number of legs
  - Required lifting capacity and intended application.
- NOTE:** sling Capacity are based on 6x26 IWRC Wire Rope and are not necessarily the Capacity for other Wire Rope construction.
- Please consult BWRC for your specific requirements.

**Single Legged IWRC ( 6x26 Construction)**

Diameter Wire (in.)	Std. Eye Size (in.)	Vertical WLL(lb.)	Choker WLL (lb.)	Basket WLL (lb.)
¼	2 x 4	1,400	1,000	2,800
⅜	3 x 6	3,000	2,300	6,000
½	4 x 8	5,000	3,800	10,000
⅝	5 x 10	8,000	6,000	16,000
¾	6 x 12	12,000	9,000	24,000
⅞	7 x 14	16,000	12,000	32,000
1	8 x 16	20,000	15,000	40,000
1⅛	9 x 18	25,000	19,000	50,000
1¼	10 x 20	30,000	23,000	60,000
1⅝	11 x 22	36,000	27,000	72,000
1½	12 x 24	44,000	33,000	88,000
1⅞	13 x 26	50,000	37,600	100,000
1¾	15 x 30	58,000	43,600	116,000
1⅞	15 x 30	66,000	49,600	132,000
2	16 x 32	75,000	56,000	150,000
2¼	18 x 36	94,000	70,600	188,000
2½	20 x 40	114,000	85,600	228,000
2¾	xxx	137,000	102,800	274,000
3	xxx	162,000	121,600	324,000

**Double Legged**

Diameter Wire (in.)	^ ) 0 WLL(lb.)	\$% 0 WLL (lb.)	#) 0 WLL (lb.)
¼	2,400	1,900	1,400
⅜	5,200	4,200	3,000
½	8,700	7,000	5,000
⅝	13,800	11,200	8,000
¾	20,800	16,800	12,800
⅞	27,700	22,400	16,000
1	34,600	28,000	20,000
1⅛	43,300	35,000	25,000
1¼	51,900	42,000	30,000
1⅝	62,300	50,400	36,000
1½	76,100	61,600	44,000

**Three & Four Legged**

Diameter Wire (in.)	^ ) 0 WLL(lb.)	\$% 0 WLL (lb.)	#) 0 WLL (lb.)
¼	3,600	2,900	2,100
⅜	7,800	6,300	4,500
½	13,000	10,500	7,500
⅝	20,800	16,800	12,000
¾	31,100	25,200	18,000
⅞	41,500	33,600	24,000
1	51,900	42,000	30,000
1⅛	64,900	52,500	37,500
1¼	77,900	63,000	45,000
1⅝	93,400	75,600	54,000
1½	114,200	92,400	66,000





# WIRE SLINGS

## BRIGHT EIPS 6X26 IWRC C/W STANDARD SOFT EYES

ROPE DIA.	1/4 (IN)	3/8 (IN)	1/2 (IN)	5/8 (IN)	3/4 (IN)	7/8 (IN)	1 (IN)	1 1/8 (IN)	1 1/4 (IN)	1 1/2 (IN)
LENGTH 2'	7.35	8.82	11.69	16.79						
3'	7.88	9.59	12.70	18.11	28.35	37.24				
4'	8.41	10.36	13.71	19.43	30.07	39.68	57.38	75.74		
5'	8.94	11.13	14.72	20.75	31.79	42.12	60.17	79.44	104.99	161.70
6'	9.47	11.90	15.73	22.07	33.51	44.56	62.96	83.14	109.39	168.22
7'	10.00	12.67	16.74	23.39	35.23	47.00	65.75	86.84	113.79	174.74
8'	10.53	13.44	17.75	24.71	36.95	49.44	68.54	90.54	118.19	181.26
9'	11.06	14.21	18.76	26.03	38.67	51.88	71.33	97.24	122.59	187.78
10'	11.59	14.98	19.77	27.35	40.39	54.32	74.12	97.94	126.99	194.30
11'	12.12	15.75	20.78	28.67	42.11	56.76	76.91	101.64	131.39	200.82
12'	12.65	16.52	21.79	29.99	43.83	59.20	79.70	105.34	135.79	207.34
15'	14.24	18.83	24.82	33.95	48.99	66.52	88.07	116.44	148.99	226.90
20'	16.89	22.68	29.87	40.55	57.59	78.72	102.02	134.94	170.99	259.50
ADDER PER. FT.	0.53	0.77	1.01	1.32	1.72	2.44	2.79	3.70	4.40	6.52

Larger sizes available/Price on application

## LOGGING CHOKER

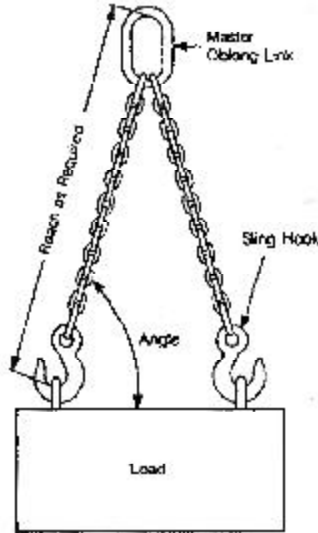
DESCRIPTION	PART NUMBER	PRICE
7/16 X 6'	39206	13.86
7/16 X 7'	39208	14.94
7/16 X 8'	39209	15.64
1/2 X 6'	39200	13.83
1/2 X 7'	39201	14.70
1/2 X 8'	39202	15.57
9/16 X 8'	39212	16.58
9/16 X 10'	39215	18.90
9/16 X 12'	39136	19.70

Did You Know?

Slings can be manufactured with different eye sizes?

# HOW TO ORDER A CHAIN SLING

## C H A I N S L I N G S



1. Determine the maximum **load** to be lifted.
2. Choose the proper **type** of chain sling (single, double, etc.) dictated by the size, shape and weight of the load.
3. Estimate the approximate **angle** between a leg of the sling and the load during operation.
4. Select the proper **attachment** (hooks and master links) for your sling.
5. Determine the overall **reach** from bearing point on the master link to bearing point on attachment.
6. Refer to the Working Load Limit Chart and to your predetermine angle of the type sling you have selected.
7. Choose the chain size, which meets your requirements.
8. When placing your order be sure you give complete information as to size, reach and attachments required.

**\*NOTE:** Angle to the load on multiple leg slings will be 60° or greater as long as the distance between lifting eyes of the lifting load is **not** greater than reach shown on identification tag.

## TYPES OF CHAIN SLINGS

Slings are designated throughout the industry by the symbols.

### FIRST SYMBOLS (Basic Type)

**S-** Single Chain Sling with master link and hook, or hook each end.

**C-** Single Choker Chain with master link each end. No hooks.

**D-** Double Chain Sling with standard master links and hooks.

**T-** Triple Chain Sling with standard master link and hooks.

**Q-** Quadruple Chain Sling with standard master link and hooks.

### SECOND SYMBOL (Type of master link or end)

**O-** Standard Oblong Master Link – Recommended for all types.

**P-** Pear Shaped Master Link – Available on request

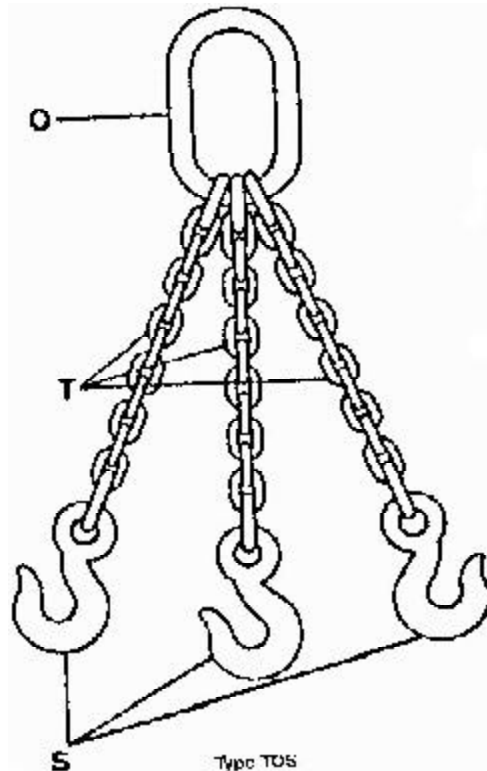
**R-** Master Link – Not recommended.

### THIRD SYMBOL

**S-** Sling Hook

**G-** Grab Hook

**F-** Foundry Hook





# CHAIN SLINGS

## WORKING LOAD LIMIT - 4 TO 1 DESIGN FACTOR

Spectrum 8 Alloy Chain Size	Single Leg 90°	Double Leg 60°	Double Leg 45°	Double Leg 30°	Triple & Quad Leg 60°	Triple & Quad Leg 45°	Triple & Quad Leg 30°
7/32	2100	3600	3000	2100	5500	4400	3200
1/4	3500	6100	4900	3500	9100	7400	5200
5/16	4500	7800	6400	4500	11700	9500	6800
3/8	7100	12300	10000	7100	18400	15100	10600
1/2	12000	20800	17000	12000	31200	25500	18000
5/8	18100	31300	25600	18100	47000	38400	27100
3/4	28300	49000	40000	28300	73500	60000	42400
7/8	34200	59200	48400	34200	88900	72500	51300
1	47700	82600	67400	47700	123900	101200	71500
1 1/4	72300	125200	102200	72300	187800	153400	108400

**Price on Application**

## POLYESTER ROUND SLINGS

STOCK CODE NO.	COLOUR	VERTICAL POUNDS	CHOKER POUNDS	BASKET POUNDS
SL-30	PURPLE	3,000	2,400	6,000
SL-40	BLACK	4,000	3,200	8,000
SL-60	GREEN	6,000	4,800	12,000
SL-90	YELLOW	9,000	7,200	18,000
SL-120	TAN	12,000	9,600	24,000
SL-140	RED	14,000	11,200	28,000
SL-170	ORANGE	17,000	13,600	34,000
SL-230	BLUE	23,000	18,400	46,000
SL-260	ORANGE	26,000	20,800	52,000
SL-320	GREY	32,000	25,600	64,000
SL-400	ORANGE	40,000	32,000	80,000
SL-540	ORANGE	54,000	43,200	108,000
SL-680	ORANGE	68,000	54,400	136,000
SL-900	ORANGE	90,000	72,000	180,000

**Did You Know?**

All Chain Slings should be supplied with a tag identifying WLL and chain size?

**WARNING: DO NOT EXCEED RATED CAPACITIES**

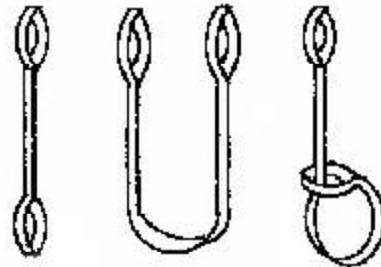




# NYLON SLINGS

## TECHNICAL SPECIFICATIONS

WIDTH	PLYS	VERTICAL (LBS)	BASKET (LBS)	CHOKER (LBS)
1	1	1,600	3,200	1,200
2	1	3,200	6,400	2,400
3	1	4,800	9,600	3,600
4	1	6,400	12,800	4,800
5	1	8,000	16,000	6,000
6	1	9,600	19,200	7,200
8	1	12,800	25,600	9,600
10	1	16,000	32,000	12,000
12	1	19,200	38,400	14,400
1	2	2,800	5,600	2,100
2	2	5,600	11,200	4,200
3	2	8,400	16,800	6,300
4	2	11,200	22,400	8,400
5	2	14,000	28,000	10,500
6	2	16,800	33,600	12,600
8	2	22,400	44,800	16,800
10	2	28,000	56,000	21,000
12	2	33,600	67,200	25,200



*New Service*

**Your Company Name Now Available On Labels**

### **RECOMMENDATIONS FOR USE AND MAINTENANCE OF NYLON WEB SLINGS**

- Use only properly identified slings.
- Do not use damaged slings
- Do not use nylon slings in acid conditions
- Do not expose nylon slings to temperatures above 80° Celsius
- When lifting in a choker hitch, the angle of the choke should form naturally and not be forced.
- The lifting device engaged by a soft eye should be smooth and of such a size that it does stretch or tear the sewn joint at the throat.
- Do not make knots in sling.
- Do not lift with a twisted sling.
- Do not use web slings for loads with sharp edges.
- Carry out lifting in such a way that the load is stable when several slings are needed. Distribute the load evenly among the slings and in such a way that the slings hang nearly vertical.
- Store slings away from sunlight and other resources of ultraviolet radiation.
- Inspect the sling before each lift. Look for surface chafe, cuts in the webbing, damage to the edges, chemical attack indicated by softening of the material and deterioration of the seams.



Other fittings, wear pads, etc  
Specialized applications



# NYLON WEB SLINGS

## **Type 3 or 4 Eye & Eye (EE)**

Single ply width (in)	Single Ply Base (3 ft)	Single Ply Foot Adder	Double Ply Width (in)	Double Ply Base (3 ft)	Double Ply Foot Adder
1	11.77	0.94	1	12.71	1.93
2	11.99	1.38	2	13.09	2.86
3	16.83	1.98	3	18.32	4.13
4	21.84	2.59	4	23.82	5.39
6	36.08	4.51	6	39.45	9.13
8	52.30	7.10	8	58.69	12.71
10	67.38	9.02	10	73.70	16.12
12	11.33	11.33	12	99.00	20.35

## **Type 5 Endless (EN)**

Single Ply Width (in)	Single Ply Base (3ft)	Single Ply Foot Adder	Double Ply Width (in)	Double Ply Base (3 ft)	Double Ply Foot Adder
1	10.56	1.82	1	17.33	4.51
2	15.73	2.64	2	24.81	6.71
3	21.78	3.69	3	36.30	9.46
4	26.13	4.79	4	43.56	11.55
6	45.38	9.35	6	79.86	18.48

## **Type 6 Reverse Eye (RE)**

Single Ply Width (in)	Single Ply Base (3 ft)	Single Ply Foot Adder	Double Ply Width (in)	Double Ply Base (3 ft)	Double Ply Foot Adder
2	10.18	3.52	2	16.83	6.22
4	14.57	5.28	4	24.37	9.90
6	21.23	8.14	6	34.65	14.08



**SLING PRICE = ( SLING LENGTH - 3 FEET ) X ( FOOT ADDER ) + ( BASE PRICE)**





# TIE DOWNS



Ratchet Assembly

DESCRIPTION	END FITTINGS	REACH (FT)	WLL (LBS)	PART NUMBER	PRICE	PER FOOT ADDER/ SUBTRACTOR
1" RATCHET & STRAP ASSEMBLY	DOUBLE J-HOOKS (2)	20	1,000	66512	18.70	.29
1.75" RATCHET & STRAP ASSEMBLY	DOUBLE J-HOOKS (2)	20	3,000	66526	33.90	.45
1.75" RATCHET & STRAP ASSEMBLY	FLAT-HOOKS (2)	20	3,000	66527	38.00	.45
3" RATCHET & STRAP ASSEMBLY	DOUBLR J - HOOKS (2)	30	5,000	66532	111.50	.55
3" X30' FLAT HOOK	FLAT-HOOK (1)	30	5,000	66021	22.70	.55
3" X 30' CHAIN ASS.	CHAIN ASSEMBLY (1)	30	5,000	66030	25.00	.55
4" X 30" FLAT HOOK	FLAT-HOOK (1)	30	5,000	66041	42.50	.95
4" X 30' CHAIN ASS.	CHAIN ASSEMBLY (1)	30	5,000	66040	47.40	.95



## Tarp straps with Galv.

### S-Hook

Basic winch straps come in 3" and 4" widths. A variety of end fittings are available. These include a flat hook, "D" rings and sewn eyes.

Size (in.)	Stretch (in.)	BWRC Part #	Price (ea.)
9"	to 18"	66600	1.05
15"	to 30"	66610	1.29
21"	to 42"	66615	1.54
31"	to 62"	66620	2.03



Tarp Ties

Straps: 100% natural rubber.  
Hooks: Galv. steel



# **LOAD BINDERS**

## **CAUTION: NEVER EXCEED THE WORKING LOAD LIMIT.**

Failure to follow warnings and instructions can result in serious injury or death.

- **IMPROPER OPERATION OF LOAD BINDERS CAN RESULT IN SERIOUS INJURY OR DEATH.**
- Do not operate the binder while you or anyone else is on the load. You might slip or fall risking serious injury or death.
- When applying the binder, always position the load binder so the handle is tightened in a downward manner. Failure to do so may result in a sudden snapping back of the lever, which might result in serious injury or death.
- Load binders are designed to be tightened to the approximate Working Load Limit by a substantial hand effort. Do not use a handle extension. Extensions can severely damage the binder system and result in serious injury or death.
- The operator should at all times use the load binder from a firm standing position that will ensure protection for himself as well as those in the immediate vicinity.
- Load binders are a form of machinery and require periodic inspection and maintenance. Inspect for wear, deformation, cracks, nicks, or gouges before using. Replace if damaged,
- Load binders should be periodically lubricated to give optimum performance and reduce friction losses.

## **LOAD BINDERS, LEVER TYPE**

- In releasing lever type binders, be sure no one is positioned to be struck by the handle, which may release suddenly.
- If there is a possibility for a relaxation of the chain when the binder is in the locked or “over center” position, the handle should be secured to the binding chain by securely wrapping the loose end of the chain around the handle. Whenever possible. Secure the handle down with a positive retaining method.



# LOAD BINDERS

## CAUTION: NEVER EXCEED THE WORKING LOAD LIMIT.

Failure to follow warnings and instructions can result in serious injury or death.

- √ **IMPROPER OPERATION OF LOAD BINDERS CAN RESULT IN SERIOUS INJURY OR DEATH.**
- √ Do not operate the binder while you or anyone else is on the load. You might slip or fall risking serious injury or death.
- √ When applying the binder, always position the load binder so the handle is tightened in a downward manner. Failure to do so may result in a sudden snapping back of the lever, which might result in serious injury or death.
- √ Load binders are designed to be tightened to the approximate Working Load Limit by a substantial hand effort. Do not use a handle extension. Extensions can severely damage the binder system and result in serious injury or death.
- √ The operator should at all times use the load binder from a firm standing position that will ensure protection for himself as well as those in the immediate vicinity.
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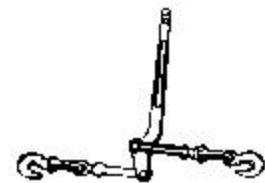
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### Load Binders, Lever Type

Forged steel, heat treated, painted

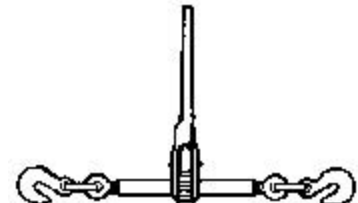
Size (in.)	Model Number	Working Load Limit in Pounds	Breaking Strength in Pounds*	Approx. Wt. Each in Pounds	Take-up	Price
¼ - 5/16	71009	1,250	4,400	2.5	2 ¾	19.80
5/16 - 3/8	71010	5,400	16,200	8.25	3¾	17.80
¾ - ½	88650	9,200	27,600	11.5	4½	32.06



### Load Binders, Ratchet Type

Forged steel, heat treated, painted.

Size (in.)	Model Number	Working Load Limit in Pounds	Breaking Strength in Pounds*	Approx. Wt. Each in Pounds	Take-up (in.)	Price
5/16 - 3/8	88652	6,600	19,800	11.25	8	36.50
¾ - ½	88654	9,200	27,600	13.25	8	46.80





# HARDWARE

## PRODUCT WARNINGS

The general warnings on Page 10 apply to Hardware. Observe them !!!!!!!!!!!

### USE THE RIGHT HARDWARE FOR THE APPLICATION.

Fittings and hardware are accessories that expand the application of lifting and securing equipment. Industry has developed and proven specialized equipment for maximum performance. Seek professional assistance in selecting the best components for the task.

### USE COMPONENTS THAT MATCH THE JOB LOAD REQUIREMENTS.

The WLL of all hardware must be assessed and matched to achieve the overall load requirements. Ideally, the WLL of all components will meet or exceed the maximum load. In applications with shock loads, side loading, or extreme environment conditions, the WLL specification of the assembly or components may actually need to exceed the anticipated maximum load.

Wherever possible, also match component sizing to minimize movement and wear.

### ASSEMBLE, INSTALL AND USE ALL COMPONENTS CORRECTLY.

Review all instructions and specifications from the manufacturer before using a component. If you do not have the skills or proper equipment for the job, seek professional assistance.

### SOURCE THE CORRECT TYPE OF COMPONENT FOR THE APPLICATION.

W.L.L. of any component can vary between manufacturers, or a manufacturer can produce several versions of similar components with different ratings, or no rating at all. Verify the component is correct for your needs.

### NEVER MODIFY COMPONENTS, ASSUMING INITIAL SPECIFICATIONS STILL APPLY.

Any heating, cutting, grinding or welding of a component can reduce its capacity. If modifications are essential, seek the manufacturers advise whenever possible. Assume the modification will decrease the component's WLL as the assembly is designed

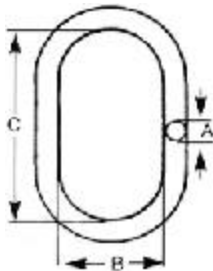
### DEVELOP AND FOLLOW AN INSPECTION AND MAINTENANCE PROGRAM.

Expect components and assemblies to deteriorate through use and environmental exposure. Adjust, secure and lubricate to minimize wear. Inspect regularly to determine the extent of deterioration. Replace components before deterioration exceeds manufacturer's tolerances.



# MASTER LINKS

## Oblong Master Link

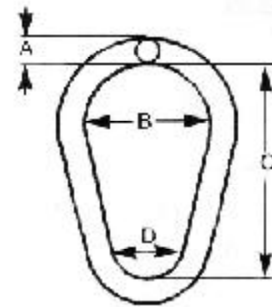


Working Load Limit (lb.)	Stock (A) (in.)	Width (B) (in.)	Length (C) (in.)	BWRC Part #	Price (ea.)
4,100	1/2	2.50	5.0	80952	4.48
5,500	5/8	3.0	6.0	80966	5.88
8,600	3/4	2.75	5.0	80964	6.45
20,300	1	3.50	7.0	80940	12.48
29,300	1 1/4	4.38	8.75	80930	26.25
39,900	1 1/2	5.25	10.50	80924	62.30
52,100	1 3/4	6	12	80932	112.20
81,400	2	7	14	80934	273.00

Ultimate Load is 6 times the Working Load Limit

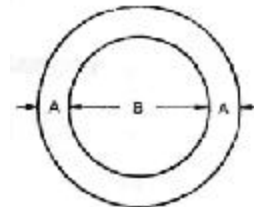
## Galvanized Sling/Pear Link

Working Load Limit (lb.)	Stock (A) (in.)	Width(B) (in.)	Width(D) (in.)	Length (C) (in.)	BWRC Part #	Price (ea.)
1,800	3/8	1.50	.75	2.25	88670	2.93
2,900	1/2	2.0	1.0	3.0	81005	3.68
4,200	5/8	2.50	1.25	3.75	81006	6.09
6,000	3/4	3.0	1.50	4.50	81007	9.21
8,300	7/8	3.50	1.75	5.25	81008	15.25
10,800	1	4.0	2.0	6.0	81001	19.58
16,700	1 1/4	5.0	2.50	8.0	81002	39.69



## Weldless Ring

Working Load Limit (lb.)	Stock (A) (in.)	Diameter (B) (in.)	BWRC Part #	Price (ea.)
7,200	7/8	4	81288	22.82
10,400	1 1/8	6	81284	15.72
17,000	1 1/4	10	81295	34.15

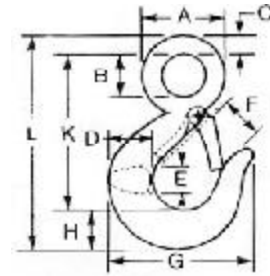




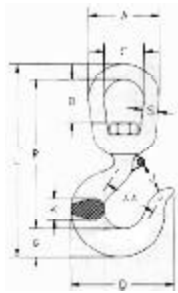
# EYE HOOKS

## Eye Hoist Hook

Working Load Limit (Ton)	Pull to Pull (L) (in.)	Eye (B) (in.)	Throat (F) (in.)	BWRC Part #	Price (ea.)
¾	4.38	.75	.94	82385	2.24
1	4.88	.88	1.06	82360	2.97
1 ½	5.50	1.13	1.06	82355	3.84
2	6.31	1.25	1.22	82370	4.62
3	7.94	1.56	1.50	82380	8.45
5	10.10	2.00	1.88	82395	14.70
7 ½	12.44	2.44	2.25	82405	28.14



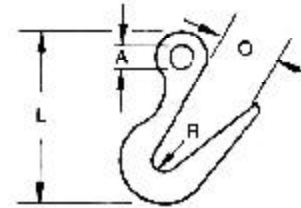
## Swivel Eye Hook



Working Load Limit (Ton)	Eye (B) (in.)	Eye (C) (in.)	Stock (S) (in.)	Pull to Pull (R) (in.)	Throat (J) (in.)	BWRC Part #	Price (ea.)
¾	.94	1.25	.38	4.47	.94	88445	6.01
1	1.31	1.5	.50	5.28	1.02	88459	8.53
1 ½	1.62	1.75	.62	6.00	1.06	88449	12.18
2	1.56	1.75	.62	6.38	1.22	88451	13.86
5	1.75	2.00	.75	7.41	1.50	88453	23.80
5	2.31	2.50	1.00	9.59	1.88	88455	48.30
7 ½	2.38	2.75	1.12	11.12	2.28	88477	71.54

## Eye Sorting Hook

WLL Hook Tip (Ton.)	WLL Hook Bottom (Ton)	Pull to Pull (L) (in.)	Eye (B) (in.)	Throat (F) (in.)	BWRC Part #	Price (ea.)
2	7 -1/2	5.50	1.25	2.88	88675	31.64



# SPECIALTY HOOKS

## Snap Hook



G3315 Snap Hook

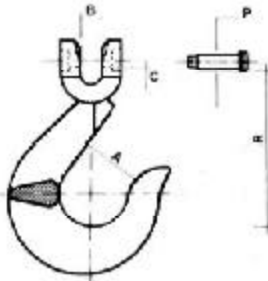
Stock (in.)	Length (in.) A	Eye (in.)	Part Numbers Plated	Price Plated	Part Numbers Stainless	Price Stainless
¾	2	¼	88671	0.68	82341	1.89
¼	2 ¾	⅝	88662	0.73	82323	2.19
⅝	3 ⅜	⅜	88663	0.82	82327	3.75
⅝	4	½	88664	1.29	82329	5.40
⅞	4 ¾	⅞	88658	1.98	N/A	N/A
½	5 ⅝	⅝	88666	2.19	82346	7.90
¾	½	⅞	88660	5.59	N/A	N/A

Working Load Limit (lb.)	Stock (D) (in.)	Eye (B) (in.)	Pull to Pull (B) (in.)	Throat (C) (in.)	BWRC Part #	Price (ea.)
750	⅞	.75	3.35	.75	82590	3.57
1,000	¾	1.12	4.75	.81	82592	4.75



# CLEVIS HOOKS

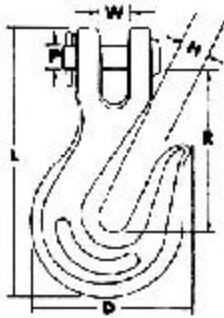
## Clevis Sling Hook



Working Load Limit (lb.)	Chain Size (in.)	Diameter Pin (P) (in.)	Pull to Pull (R) (in.)	Throat (A) (in.)	BWRC Part #	Price (ea.)
3,500	9/32	.36	3.39	1.02	82562	16.94
7,600	3/8	.52	4.14	1.20	82564	23.35
12,000	1/2	.63	5.06	.61	82571	38.70
18,100	7/8	.83	6.17	1.97	82568	74.61
28,300	3/4	1.02	7.25	2.36	82572	118.71

## Clevis Grab Hook

Working Load Limit (lb.)	Chain Size (in.)	Diameter Pin (P) (in.)	Pull to Pull (R) (in.)	Throat (H) (in.)	BWRC Part #	Price (ea.)
3,500	1/4	.31	1.64	.32	82467	1.89
4,700	5/16	.38	2.02	.39	82486	2.72
7,100	3/8	.44	2.41	.45	82475	3.77
12,000	1/2	.63	3.19	.66	82460	7.98



## Clevis Grab Hook - Grade 80

Working Load Limit (lb.)	Chain Size (in.)	Diameter Pin (L) (in.)	Pull to Pull (M) (in.)	Throat (E) (in.)	BWRC Part #	Price (ea.)
3,500	9/32	.36	1.97	.39	82473	11.90
7,100	3/8	.52	2.83	.52	82474	16.52
12,000	1/2	.63	3.47	.67	82476	26.60
18,100	5/8	.83	4.02	.78	82479	42.56

## Clevis Self-locking Hook

Working Load Limit (lb.)	Chain Size (in.)	Diameter Pin (P) (in.)	Pull to Pull (R) (in.)	Throat (A) (in.)	BWRC Part #	Price (ea.)
7,100	3/8	.52	4.92	1.50	82437	65.10
12,000	1/2	.63	6.19	1.81	82425	92.40
18,100	5/8	.83	7.44	2.25	82423	138.32

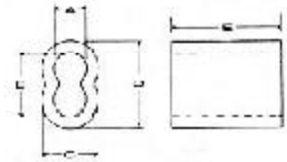




# WIRE ROPE CONNECTORS

## Aluminum Duplex Sleeves

Wire Diameter (in.)	Length (E) (in.)	Depth (C) (in.)	Width (D) (in.)	After Swage (B) (in.)	BWRC Part #	Price (ea.)
1/16	.38	.17	.25	.19	81686	0.10
3/32	.50	.28	.41	.28	81687	0.11
1/8	.63	.34	.50	.31	81688	0.13
5/32	.69	.38	.56	.38	81689	0.13
3/16	1	.44	.66	.44	81690	0.21
1/4	1.13	.53	.81	.56	81691	0.25
5/16	1.25	.69	1.03	.69	81698	0.42

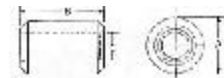


## Copper Duplex Sleeves ( Zinc Plated )

Wire Diameter (in.)	Length (E) (in.)	Depth (C) (in.)	Width (D) (in.)	After Swage (B) (in.)	BWRC Part #	Price (ea.)
1/16	.39	.17	.25	.19	81701	0.16
3/32	.45	.23	.38	.27	81702	0.21
1/8	.56	.33	.50	.35	81703	0.43
5/32	.63	.38	.59	.39	81704	0.67
3/16	.88	.44	.67	.48	81706	1.65
1/4	1.13	.52	.80	.59	81707	1.70
5/16	1.13	.67	1.02	.73	81708	2.48

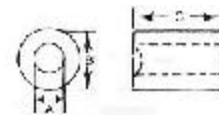
## Aluminum Wire Stops

Wire Diameter (in.)	Length (B) (in.)	Width (A) (in.)	After Swage (C) (in.)	BWRC Part #	Price (ea.)
1/16	.22	.25	.19	81891	0.15
3/32	.34	.34	.25	81892	0.16
1/8	.34	.34	.25	81893	0.16
5/32	.34	.44	.33	81894	0.18
3/16	.34	.44	.33	81895	0.18
1/4	.69	.69	.51	81896	0.65
5/16	.75	.70	xxx	81890	0.70



## Copper Wire Stops

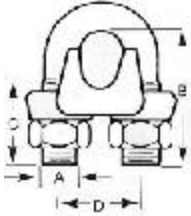
Wire Diameter (in.)	Length (C) (in.)	Width (B) (in.)	After Swage (A) (in.)	BWRC Part #	Price (ea.)
1/16	.22	.20	.18	81897	0.12
3/32	.33	.33	.26	81898	0.24
1/8	.33	.33	.26	81899	0.33
5/32	.33	.42	.35	81901	0.48
3/16	.33	.42	.35	81902	0.48
1/4	.69	.66	.60	81904	1.93





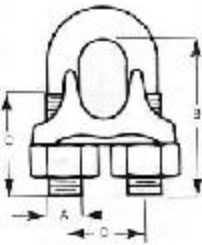
# WIRE ROPE CLIPS

## Forged Rated Clips



Wire Rope Diameter (in.)	Stock (A) (in.)	Length (B) (in.)	Min. # of Clips	Amt. of Wire Rope Turnback (in)	Bolt Torque (lbs. ft.)	BWRC Part #	Price (ea.)
¼	.3	1.06	2	<b>Sw</b>	15	80415	0.56
5/16	.38	1.44	2	<b>¼4</b>	30	80465	0.81
3/8	.44	1.50	2	<b>^2</b>	45	80455	1.09
7/16	.47	1.67	3	<b>(2</b>	55	80481	4.60
½	.50	1.88	3	<b>!!2</b>	65	80405	1.65
9/16	.55	2.12	3	11.9	83	80496	2.25
5/8	.56	2.38	3	<b>!@</b>	95	80475	2.31
¾	.63	2.75	4	<b>!*</b>	130	80445	2.90
7/8	.75	3.19	4	<b>!(</b>	225	80495	4.79
1	.75	3.63	5	<b>@^</b>	225	80395	5.42
1 1/8	.75	4.00	6	<b>#S</b>	225	80396	6.44
1 1/2	.88	4.94	8	<b>%S</b>	360	80398	14.83

## Malleable Clips



Wire Rope Diameter (in.)	Stock (A) (in.)	Length (B) (in.)	Min. # of Clips	Amt. of Wire Rope Turnback (in)	Bolt Torque (lbs. ft.)	BWRC Part #	Price (ea.)
1/16	.15	.65	3	4	2	80518	0.16
1/8	.18	.81	3	4¾	3	80515	0.08
3/16	.25	.94	3	5½	4.5	80520	0.13
¼	.31	1.19	3	7	15	80510	0.17
5/16	.31	1.31	3	7¾	15	80525	0.19
3/8	.38	1.63	3	9½	30	80545	0.28
½	.44	2.25	4	15¼	45	80500	0.39
5/8	.50	2.31	4	16	75	80580	0.66
¾	.56	2.56	5	22¼	75	80540	0.85
7/8	.63	3.06	5	23½	130	80585	1.95
1	.63	3.44	6	31	130	80499	2.74

## Stainless Steel Clips

Wire Rope Diameter (in.)	Min. # of Clips	Amt. of Wire Rope Turnback (in)	Bolt Torque (lbs. ft.)	BWRC Part #	Price (ea.)
1/16	2	2½	3	82310	1.83
1/8	2	3¼	4.5	82312	1.80
3/16	2	3¾	7.5	82314	2.40
¼	2	4¾	15	82316	2.65
5/16	2	5¼	30	82318	4.20
3/8	2	6½	45	82320	5.65
½	3	11½	65	82322	10.50
5/8	3	12	95	82324	15.95
¾	4	18	130	82325	14.40

### Did You Know?

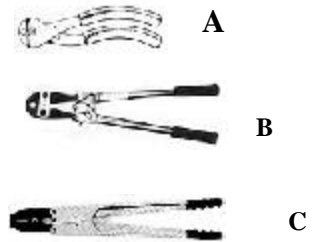
Wire rope clips are not recommended for overhead lifting



# WIRE ROPE TOOLS

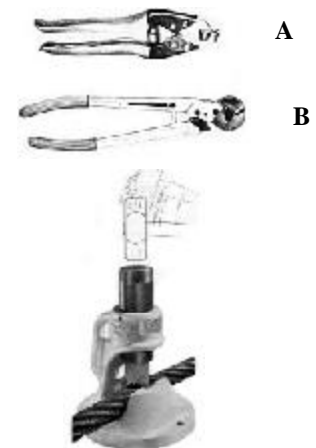
## Swaging Tools

Tool #	Style	Can Swage Size		BWRC Part #	Price (ea.)
		Sleeves	Stops		
1/16	A	1/16	1/16	80775	85.50
1/8	B	1/8	5/32 - 3/16	80780	251.40
3/16	B	3/16	3/16	80778	241.20
1/4	B	1/4	1/4	80779	391.70
1/16-3/16	C	1/16-3/16	1/16-7/32	80785	399.80



## Wire Cable Cutters (Felco)

Model	Style	Wire Capacity (in.)	Length (in.)	BWRC Part #	Price (ea.)
C-7	A	1/4	7 1/2	80781	86.00
C-9	B	3/8	12 1/2	80783	207.00
C-12	B	1/2	19	80790	330.00
C-16	B	5/8	23	80792	476.00
HK Porter	C	5/8	36	86018	387.45
HK Porter	C	3/4	42	86020	438.50
#1	Impacto	3/32 - 3/4	NA	80820	105.40



## H.K. Porter Bolt Cutters

Model	Bolt Diameter (in.)	Length (in.)	BWRC Part #	Price (ea.)	CUTTER-HEADS	BWRC Part #	Price (ea.)
190MC	7/16	24	86000	162.80		86008	115.70
290MC	1/2	30	86002	200.25		86010	162.00
390MC	9/16	36	86004	240.00		86012	163.10
590MC	1 1/16	42	86006	322.00		86014	217.40

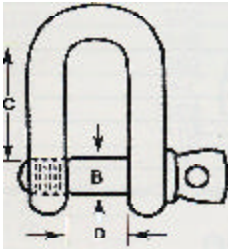




# SHACKLES

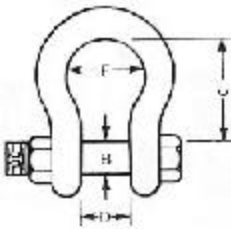
## Load Rated Screw Pin Shackles

Nomial Size	Working Load Limit (ton)	Pin (B) (in.)	Pull to Pull (C) (in.)	Throat (D) (in.)	Opening (F) (in.)	BWRC Part #	Price (ea.)
3/16	1/3	1/4	.88	.38	.63	81540	0.66
1/4	1/2	5/16	1.06	.47	.75	81525	0.86
5/16	3/4	3/8	1.25	.53	.84	81565	0.91
3/8	1	7/16	1.44	.63	1.00	81555	1.12
7/16	1 1/2	1/2	1.69	.75	1.10	81588	1.70
1/2	2	5/8	1.88	.81	1.25	81515	1.82
5/8	3 1/4	3/4	2.44	1.06	1.69	81575	3.29
3/4	4 3/4	7/8	2.88	1.19	1.94	81545	4.69
7/8	6 1/2	1	3.38	1.44	2.19	81590	7.35
1	8 1/2	1 1/8	3.81	1.69	2.63	81505	9.80
1 1/8	9 1/2	1 1/4	4.25	1.75	2.88	81485	12.70
1 1/4	12	1 3/8	4.69	2.00	3.13	81475	18.69
1 3/8	13 1/2	1 1/2	5.31	2.13	3.50	81500	26.53
1 1/2	17	1 5/8	5.69	2.31	3.75	81465	34.30
1 3/4	25	2	7.06	2.88	4.88	81490	65.38



## Load Rated Safety Anchor Shackle

Nomial Size	Working Load Limit (ton)	Pin (B) (in.)	Pull to Pull (C) (in.)	Throat (D) (in.)	Opening (F) (in.)	BWRC Part #	Price (ea.)
1/2	2	5/8	1.88	.81	1.25	81420	2.23
5/8	3 1/4	3/4	2.44	1.06	1.69	81445	3.77
3/4	4 3/4	7/8	2.88	1.19	1.94	81435	6.30
7/8	6 1/2	1	3.38	1.44	2.19	81455	8.25
1	8 1/2	1 1/8	3.81	1.69	2.63	81415	11.58
1 1/8	9 1/2	1 1/4	4.25	1.75	2.88	81395	15.39
1 1/4	12	1 3/8	4.69	2.00	3.13	81390	25.20
1 3/8	13 1/2	1 1/2	5.31	2.13	3.50	81405	36.90
1 1/2	17	1 5/8	5.69	2.31	3.75	81385	38.50
1 3/4	25	2	7.06	2.88	4.88	81400	72.23
2	35	2 1/4	7.75	3.31	5.44	81430	119.90
2 1/2	55	2 3/4	10.75	4.13	7.25	81429	270.00
3	85	3 1/2	13.00	5.00	7.88	81433	490.00



## Black D Shackles

Stock (in.)	Working Load Limit (ton)	Pin (B) (in.)	Pull to Pull (C) (in.)	Throat (D) (in.)	BWRC Part #	Price (ea.)
3/8	non-rated	.38	1.06	.78	81360	0.40
1/2	non-rated	.50	1.91	1	81350	0.47
5/8	non-rated	.63	2.50	1.25	81365	0.95

## Scallop Swivels

Type	Stock Diameter (in.)	BWRC Part #	Price (ea.)
Long Bow	5/8	30786	22.40
Short Bow	1 1/4	30025	94.80

**Did You Know ?**  
**All of BWRC Load Rated Screw Pin Shackles & Load Rated Safety Anchor Shackles have a safety factor of 6:1**





# SHACKLES

## Stainless Steel Screw Pin Anchor Shackles

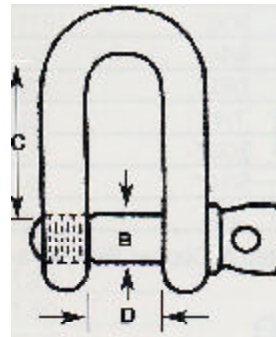
Stock (in.)	BWRC Part #	Price (ea.)
1/8	88725	3.45
3/16	88730	3.45
1/4	81526	4.35
5/16	81566	4.65
3/8	81556	4.95
1/2	81516	7.60
5/8	81576	16.45
3/4	88720	17.80

## Stainless Steel Screw Pin Chain Shackles

Stock (in.)	BWRC Part #	Price (ea.)
1/8	81528	3.40
3/16	81542	3.45
1/4	81527	4.65
5/16	81567	5.10
3/8	81557	5.90
1/2	81517	8.67
5/8	81577	17.90
3/4	81551	23.90

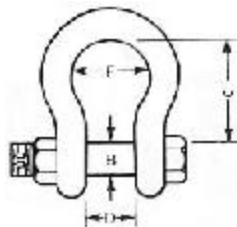
## Commercial Screw Pin Anchor Shackles

Stock (in.)	Working Load Limit (ton)	BWRC Part #	Price (ea.)
3/16	non-rated	81539	0.20
1/4	non-rated	81522	0.22
5/16	non-rated	81564	0.32
3/8	non-rated	81554	0.59
7/16	non-rated	81597	0.76
1/2	non-rated	81514	1.18
5/8	non-rated	81579	1.96
3/4	non-rated	81549	3.08
7/8	non-rated	81589	4.34
1	non-rated	81504	7.14



## Trawl Shackles

Stock (in.)	Working Load Limit (ton)	Pin (B) (in.)	Pull to Pull (C) (in.)	Throat (D) (in.)	BWRC Part #	Price (ea.)
1/2	2	.63	1.63	.81	81424	2.52
5/8	3 1/4	.81	1.94	1.06	81452	4.34
3/4	4 3/4	.88	2.38	1.25	81438	6.44
7/8	6 1/2	1.00	2.81	1.44	81458	10.92
1	8 1/2	1.13	3.16	1.75	81425	15.47

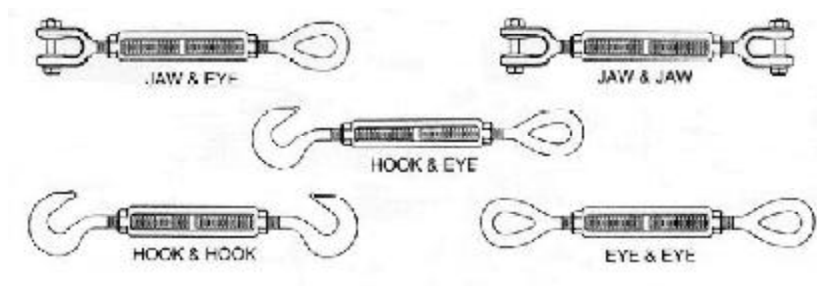


### Did You Know ?

To test the difference between S/S and steel use a magnet. S/S will not attract the magnet.



# TURNBUCKLES



## StainlessSteel Turnbuckles

Diameter Stock (A) (in.)	Take-up (B) (in.)	End Fittings	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/4	4	J & J	480	84012	11.85
5/16	5	J & J	900	84046	15.89
3/8	6	J & J	1,300	84041	19.74
1/2	6	J & J	1,700	84014	30.73
5/8	6	J & J	2,200	84042	45.50
3/4	6	J & J	3,200	84057	61.88



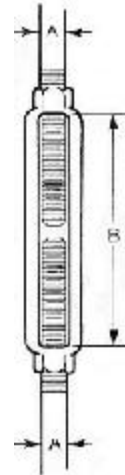
## Bottle Turnbuckles

Diameter Stock (A) (in.)	End Fittings	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3/8	J & J	1,200	82265	22.90
1/2	J & J	2,200	82250	25.90
5/8	J & J	3,500	82270	43.40
3/4	J & J	5,200	82260	66.05
7/8	J & J	7,200	82275	90.60
1	J & J	10,000	82245	104.86
1 1/4	J & J	15,200	82240	298.90

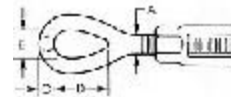


# TURNBUCKLES

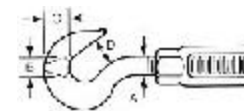
Diameter Stock (A) (in.)	Take-up (B) (in.)	End Fittings	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
5/16	4 1/2	J & J	800	82284	4.13
5/16	4 1/2	E & E	800	82285	3.15
5/16	4 1/2	H & H	700	82286	3.15
3/8	6	J & J	1,200	82268	4.13
3/8	6	J & E	1,200	84063	4.06
3/8	6	E & E	1,200	82267	3.15
3/8	6	H & E	1,000	82264	5.80
3/8	6	H & H	1,000	82266	3.15
1/2	6	J & J	2,200	82253	5.60
1/2	6	J & E	2,200	82254	5.60
1/2	6	E & E	2,200	82252	5.46
1/2	6	H & E	1,500	82249	7.40
1/2	6	H & H	1,500	82251	5.46
1/2	6	J & H	1,500	82204	9.20
1/2	9	J & J	2,200	82257	10.16
1/2	9	E & E	2,200	82256	9.65
1/2	9	H & E	1,500	82258	11.40
1/2	9	H & H	1,500	82255	9.65
1/2	12	J & J	2,200	84020	12.95
5/8	6	J & J	3,500	82273	10.49
5/8	6	J & E	3,500	82280	16.00
5/8	6	E & E	3,500	82272	10.35
5/8	6	H & H	2,250	82271	10.35
5/8	9	J & J	3,500	82282	13.94
3/4	6	J & J	5,200	82291	16.35
3/4	6	E & E	5,200	82290	16.00
3/4	12	J & J	5,200	82261	20.79
3/4	12	E & E	5,200	82262	19.40
3/4	12	H & H	3,000	82263	19.40
3/4	18	J & J	5,200	84062	36.33
7/8	12	E & E	7,200	84066	29.62
7/8	18	J & J	7,200	84069	8.00
1	12	J & J	10,000	82246	48.44
1	12	E & E	10,000	82247	38.98
1	12	H & H	5,000	82248	38.98
1	24	J & J	10,000	82232	117.68
1 1/4	18	J & J	15,200	82241	117.74
1 1/2	18	J & J	21,400	82242	189.28
1 3/4	24	J & J	28,000	82243	420.00
2	24	J & J	37,000	82244	674.80



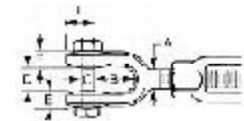
Eye



Hook

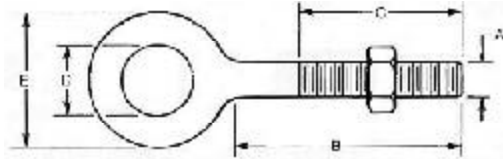


Jaw



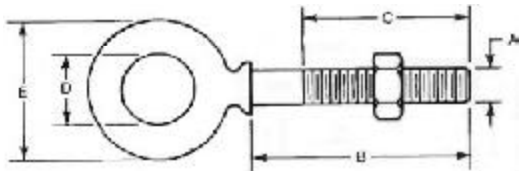
# EYEBOLTS

## Regular Eyebolt



Diameter x Shank (A) x (B) (in.)	Thread (C) (in.)	Eye (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3/8 x 6	2.50	.75	1,200	83112	3.09
1/2 x 8	3.00	1.00	2,200	83118	4.34
1/2 x 10	3.00	1.00	2,200	83120	5.05
5/8 x 8	3.00	1.25	3,500	83126	8.09
5/8 x 10	3.00	1.25	3,500	83128	9.04
5/8 x 12	4.00	1.25	3,500	83130	9.81
3/4 x 8	3.00	1.50	5,200	83136	10.47
3/4 x 10	3.00	1.50	5,200	83138	12.14
3/4 x 12	4.00	1.50	5,200	83140	14.87
1 x 12	4.00	2.00	10,000	83148	31.53

## Shoulder Eyebolt



Diameter x Shank (A) x (B) (in.)	Thread (C) (in.)	Eye (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/4 x 2	1.50	.50	500	83100	0.77
1/4 x 4	2.50	.50	500	83102	0.98
5/16 x 2 1/4	1.50	.63	800	83104	1.22
5/16 x 4 1/4	2.50	.63	800	83106	1.82
3/8 x 2 1/2	1.50	.75	1,200	83108	1.54
3/8 x 4 1/4	2.50	.75	1,200	83110	1.68
1/2 x 3 1/4	1.50	1.00	2,200	83114	2.17
1/2 x 6	3.00	1.00	2,200	83116	2.59
5/8 x 4	2.00	1.25	3,500	83122	6.80
5/8 x 6	3.00	1.25	3,500	83124	7.94
3/4 x 4 1/2	2.00	1.50	5,200	83132	9.31
3/4 x 6	3.00	1.50	5,200	83134	10.21
7/8 x 5	2.50	1.75	8,500	83142	17.01
1 x 6	3.00	2.50	10,000	83144	25.13
1 x 9	4.00	2.50	10,000	83146	26.32
1 1/4 x 8	4.00	2.50	16,500	80374	69.64
1 1/4 x 12	4.00	2.50	16,500	80375	77.28
1 1/4 x 15	6.00	3.00	16,500	80376	96.60

### SHOULDER NUT EYE BOLT APPLICATION

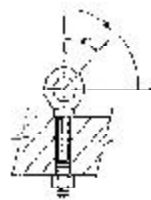
- Working load ratings are for in-line with respect to centerline of shank.
- For angular lifts, the shoulder type eye bolt should be used.
- Angular lifts should not be applied to eyebolts that are turned into a tapped hole.
- In making angular lifts the working load should be reduced as follows:

**Direction of Pull**

45°  
90°

**Adjusted Working Load**

30% of rated working load  
25% of rated working load



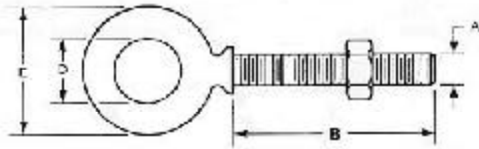
The above ratings are for eye bolts having the shoulder firmly seated against the mating part and when the direction of pull is in respect to the plane of the eye as shown in the illustration.



# EYEBOLTS

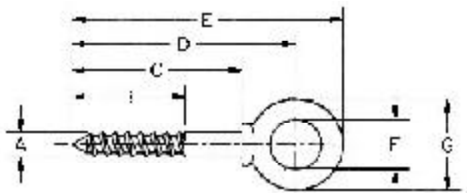
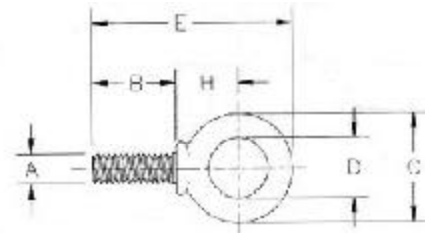
## Stainless Steel Eyebolts

Diameter x Shank (nominal) (in.)	Thread (C) (in.)	Eye (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/4 x 2	1.5	.5	460	83101	4.25
1/4 x 4	2.5	.5	460	83103	5.38
5/16 x 2 1/4	1.5	.56	780	83105	6.65
5/16 x 4 1/4	2.5	.56	780	83107	7.98
3/8 x 2 1/2	1.5	.75	1,160	83109	8.19
3/8 x 4 1/2	2.5	.75	1,160	83111	10.42
1/2 x 3 1/4	1.5	1	2,150	83115	10.88
1/2 x 6	3	1	2,150	83117	12.03
5/8 x 4	2	1.25	3,440	83123	16.65
5/8 x 6	3	1.25	3,440	83125	19.46
3/4 x 4 1/4	2	1.5	5,140	83133	25.77
3/4 x 6	3	1.5	5,140	83135	30.97



## Machinery Eyebolts (Full Thread)

Diameter x Shank (A) x (B) (in.)	Eye (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/4 x 1	.50	650	83160	3.01
5/16 x 1 1/8	.62	1,200	83162	3.15
3/8 x 1 1/4	.75	1,550	83164	2.28
1/2 x 1 1/2	1.00	2,600	83166	2.93
5/8 x 1 3/4	1.25	5,200	83168	4.27
3/4 x 2	1.50	7,200	83170	5.11
7/8 x 2 1/4	1.75	10,600	83172	18.44
1 x 2 1/2	2.00	13,300	83174	20.10
1 1/4 x 3	2.50	21,000	83176	51.76

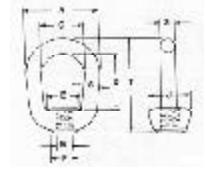


## Screw Eyebolts

Diameter x Shank (A) x (B) (in.)	Thread (C) (in.)	Eye (D) (in.)	BWRC Part #	Price (ea.)
1/4 x 2	1.75	.5	80351	1.20
5/16 x 2 1/4	1.75	.63	80360	1.51
3/8 x 2 1/2	1.75	.7	80355	1.82
1/2 x 3 1/4	2.5	1	80353	2.21
5/8 x 4	3.25	1.25	80357	4.19

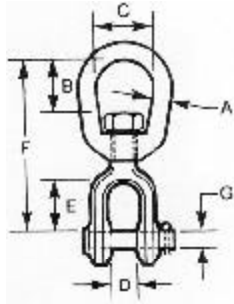


# EYE NUTS & SWIVELS



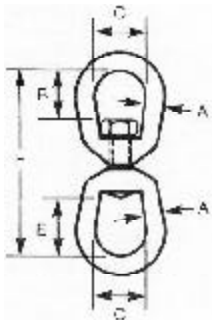
## Eyenuits

Tap (M) (in.)	Width Eye (E) (in.)	Width Eye (C) (in.)	Length Eye (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
¼	.66	.75	1.06	520	82802	3.58
⅜	.75	1.00	1.20	1,250	82822	3.99
½	1.00	1.25	1.45	2,250	82812	4.06
⅝	1.19	1.50	1.94	3,600	82816	4.55
¾	1.38	1.75	2.25	5,200	82821	5.53
⅞	1.63	2.00	2.50	7,200	82826	8.39
1	1.88	2.19	3.00	10,000	82829	9.73
1¼	1.94	2.44	3.38	15,500	82834	15.82



## Jaw & Eye Galvanized Swivel

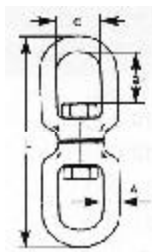
Stock (A) (in.)	Length (F) (in.)	Length (B) (in.)	Width (C) (in.)	Length (E) (in.)	Width (D) (in.)	Pin (G) in.	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
⅜	3.63	.94	1.25	1.06	.63	.38	2,250	82004	3.64
½	4.50	1.31	1.50	1.31	.75	.50	3,600	81964	5.46
⅝	5.31	1.56	1.75	1.50	.94	.63	5,200	82034	8.25
¾	6.06	1.75	2.00	1.75	1.13	.75	7,200	81993	12.46
1	8.56	2.31	2.50	2.81	1.75	1.13	12,500	81943	28.14



## Eye & Eye Galvanized Swivel

Stock (A) (in.)	Length (F) (in.)	Length (B) (in.)	Width (C) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
⅜	4.31	.94	1.25	2,250	82003	2.65
½	5.44	1.31	1.50	3,600	81963	3.93
⅝	6.56	1.56	1.75	5,200	82033	5.74
¾	7.18	1.75	2.00	7,200	81990	8.37
1	9.63	2.31	2.50	12,500	81946	30.66

## Eye & Eye Stainless Steel Swivel



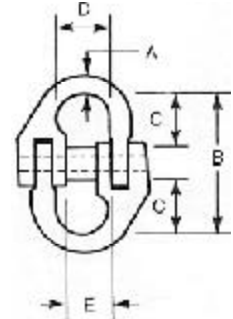
Stock (A) (in.)	Length (L) (in.)	Length (B) (in.)	Width (C) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
⅝	3.71	.80	.82	1,300	88685	5.29
¾	4.64	1.05	.95	1,900	88690	7.50
½	5.97	1.35	1.22	3,300	88695	11.50
⅝	7.37	1.72	1.49	5,900	88700	21.35
¾	9.00	2.12	1.62	7,200	88705	41.82



# CONNECTORS

## Hammerlocks

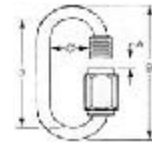
Chain Size (in..)	Stock (A) (in.)	Pull to Pull (B) (in.)	Opening (C) (in.)	Opening (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3/32	.31	1.92	.62	.78	3,500	40318	12.85
3/8	.47	3.03	.87	1.06	7,100	40362	13.25
1/2	.63	3.34	1.25	1.27	12,000	40322	20.70
5/8	.78	4.06	1.53	1.53	18,100	40382	28.60
3/4	.91	4.56	1.72	1.86	28,300	40342	47.20
7/8	1.06	5.23	2	2.17	34,200	40385	68.90



Bridgeport stocks replacement bushings and pins for these hammerlocks.  
Call for availability and pricing.

## Galvanized Quick Link

Stock (in..)	Opening (A) (in.)	Opening (C) (in.)	Opening (D) (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/8	.18	.39	1.14	400	88656	0.31
3/16	.26	.51	1.54	750	80975	0.49
1/4	.30	.55	1.77	1,325	80974	0.56
5/16	.37	.71	2.28	1,950	80978	0.84
3/8	.43	.79	2.44	2,750	80976	1.12
7/16	.47	.81	2.71	3,320	80980	1.54
1/2	.57	.94	3.19	4,750	80972	2.10



## Stainless Steel Quick Link

Stock (in..)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
1/8	450	80969	1.54
3/16	1,200	80968	1.61
1/4	1,400	80977	2.23
5/16	2,400	80979	3.08
3/8	3,200	80970	5.03
7/16	4,000	80971	5.75
1/2	5,500	80973	7.39

### Did You Know ?

Hammerlocks make excellent connectors between chain, hooks, rings and links.



# THIMBLES

## Standard Thimbles

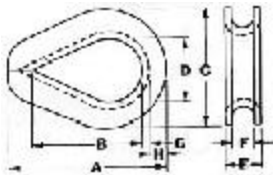
Rope Diameter (in.)	Depth (E) (in.)	Eye Length (B) (in.)	Eye Width (D) (in.)	BWRC Part #	Price (ea.)
1/4	.38	1.31	.69	82144	0.15
5/16	.44	1.50	.81	82178	0.15
3/8	.53	1.63	.94	82159	0.17
7/16	.72	2.38	1.25	82198	0.30
1/2	.69	1.88	1.13	82129	0.30
5/8	.91	2.25	1.38	82179	0.64
3/4	1.08	2.50	1.63	82151	0.86
7/8	1.27	3.50	1.88	82206	1.35
1	1.39	4.25	2.50	82126	1.72
1 1/8-1 1/4	1.75	4.50	2.75	82127	3.20

Did You Know?

Using thimbles in your wire Sling Assembly will extend the life of your sling.

## Heavy Duty Thimbles

Rope Diameter (in.)	Depth (E) (in.)	Length Eye (B) (in.)	Width Eye (D) (in.)	BWRC Part #	Price (ea.)
1/4	.41	1.63	.88	82146	0.14
5/16	.50	1.88	1.06	82177	0.24
3/8	.63	2.13	1.13	82165	0.42
7/16	.72	2.38	1.25	82197	0.70
1/2	.81	2.75	1.50	82135	0.77
5/8	.97	3.25	1.75	82185	0.99
3/4	1.22	3.75	2.00	82155	2.02
7/8	1.38	4.25	2.25	82205	2.49
1	1.56	4.50	2.50	82125	3.28
1 1/8-1 1/4	1.81	5.13	2.88	82113	4.90
1 1/4-1 3/8	2.19	6.50	3.50	82095	11.97
1 1/2	2.56	6.25	3.50	82090	14.63
1 3/4	2.84	9.00	4.50	82115	32.62
2	3.09	12.00	6.00	82092	47.74



## Stainless Steel Heavy Duty Thimbles

56Rope Diameter (in.)	Depth (E) (in.)	Length Eye (B) (in.)	Width Eye (D) (in.)	BWRC Part #	Price (ea.)
1/16	.17	.76	.34	82080	0.21
1/8	.25	1.31	.69	82150	0.39
3/16	.31	1.31	.69	82085	0.56
1/4	.41	1.63	.88	82145	1.05
5/16	.50	1.88	1.06	82176	1.82
3/8	.63	2.13	1.13	82160	3.57
1/2	.81	2.75	1.50	82131	5.17
5/8	.97	3.25	1.75	82181	8.75
3/4	1.22	3.75	2.00	82156	13.57

Did You Know?

Heavy duty thimbles are used for wire, light duty thimbles are used for rope.

Galv. and stainless steel should not be used in the same assembly.





# BLOCKS

## PRODUCT WARNINGS

The general warnings on Pages 10 apply to Blocks. Observe them!!

Blocks are devices used for lifting or lowering loads, or for changing direction of the pull on the line. They consist of a sheave, two side plates, and an end fitting which is either a hook with a latch or shackle.

Know the weight of the load and the line pull required. Make sure that the correct wire rope grade and diameter is used. Improper use or setup of a block system can cause a load to slip or fall, resulting in serious injury or death. A block assembly should always be rigged by a professional in designing and assembling these systems. Seek professional assistance.

Keep hands and clothing away from block sheaves, hooks, shackles or “pinch points”, where the rope meets or touches block parts or loads.

Avoid side-loading blocks. These products generally are intended for tension or pull. Side loading exerts additional force or loads, which the product may not be able to withstand.

Always make sure that the hook supports the load. The latch must NEVER support the load. Never lift personnel with a hook block.

Always check for wear or damage before rigging block systems. Check for cracks, rust, corrosion, deformation, chips, warps, intentional alterations or any other sign of physical damage or wear. When in doubt, take the product out of service immediately. Only laboratory tests can determine the fitness of a damaged or worn part. Discard any part that appears worn or damaged.

In order to ensure peak efficiency and extended service life it is necessary that blocks be inspected and maintained at frequent intervals. Check general condition of block components. Look for wear on sheaves, sheave groove, sheave pins (wobble of sheave), and ensure security of bolts, hooks, nuts and shackles. Make sure sheave rotates freely and lubricates grease nipples frequently.

Inspect the hook latch for proper fit and operation. Deformed latches must be replaced.

Worn, deformed or damaged parts of the block and any other part used in the assembly must be replaced. If necessary, the entire assembly needs to be removed from the service.

**IMPORTANT:** The total load on the snatch block, and also on any fitting which is attached to the block, is usually considerably greater than the actual load lifted. The deciding factor in determining the total load on the block is the angle between the lead line and the load line.

**BEWARE THAT BENDING ROPE OVER SHEAVES WILL REDUCE ITS STRENGTH.** The smaller the ratio of sheave diameter to rope diameter the larger the reduction in rope strength efficiency compared to the Catalog Breaking Strength, and the more rapid the resulting wear on sheave and wire rope fatigue. Avoid changing the bending direction from one sheave to another, as this will rapidly accelerate rope fatigue.



# WOODEN BLOCKS

## Single Wooden Blocks

Shell Length (in.)	Rope Diameter (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3	3/8	500	80168	12.40
4	1/2	1,000	80170	15.25
5	5/8	1,200	80172	26.48
6	3/4	1,800	80174	27.40
8	7/8 - 1	2,800	80176	51.00



## Double Wooden Blocks

Shell Length (in.)	Rope Diameter (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3	3/8	800	80178	24.52
4	1/2	1,400	80182	31.00
5	5/8	1,800	80184	42.00
6	3/4	2,500	80186	52.80
8	7/8 - 1	3,800	80188	98.90



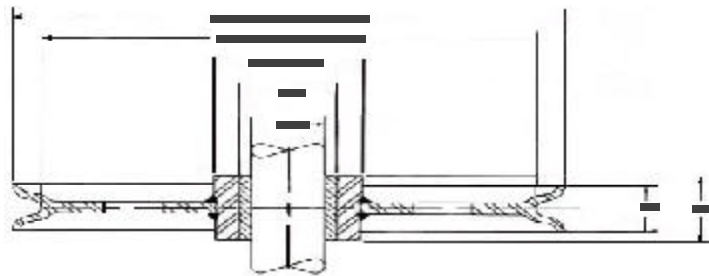
# SHEAVES

Due to the wide range of industrial sheaves, Bridgeport stocks sheaves as required typically through contracted customer supply commitments. Other sheaves are sourced and supplied based on order specific requirements. Crosby McKissick is the key supplier for such orders. Refer to the Crosby catalogue for detailed information on configurations and specifications.

Contact your Bridgeport representative for additional assistance in determining your sheave requirements.

To order a sheave, please provide (see Diagram):

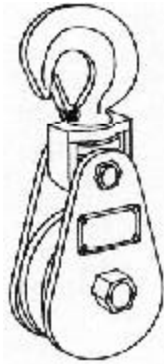
- Intended wire rope diameter
- Maximum weight requirement
- Shaft diameter
- Bushing or bearing preferences \*
- Finished bore diameter
- Nominal hub size
- Nominal tread diameter
- Nominal outside diameter
- Rim width
- Hub width
- Other special requirements, such as finishes, delivery, etc.



\* Sheave bores can be provided as **common** (hole bored in center of sheave to fit the shaft), **finished** (ready to be equipped with bushings or bearings), **bronze bushed**, or fitted with **roller** or **tapered bearings**.

Common bore is appropriate for very low speeds and infrequent line use. Bronze bushings (self-lubricating bronze, graphite bronze, and pressure lubrication bronze) are for slow speed lines. Self-lubricating and graphite are intended for infrequent use, while lubrication bronze is for more frequent use, at greater loads. Roller and tapered bearings are designed for faster line speeds, more frequent use and greater loads.

# SNATCH BLOCKS



## Hook Snatch Block ( 418 Style )

Sheave Diameter (in.)	Wire Rope Diameter (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3	5/16 - 3/8	4,000	80152	55.99
4 1/2	3/8 - 1/2	8,000	80154	107.10
6	5/8 - 3/4	16,000	80156	179.20
8	5/8 - 3/4	16,000	80158	235.20

## Shackle Snatch Block ( 419 Style )

Sheave Diameter (in.)	Wire Rope Diameter (in.)	Working Load Limit (lb.)	BWRC Part #	Price (ea.)
3	5/16 - 3/8	4,000	80144	55.99
4 1/2	3/8 - 1/2	8,000	80146	111.44
6	5/8 - 3/4	16,000	80148	191.31
8	5/8 - 3/4	16,000	80150	235.20



## Marine Blocks



Type	Sheave Diameter (in.)	Working Load Limit ( t )	BWRC Part #	Price (ea.)
Trynet	6	5 Tons	80160	125.37
Trynet	8	10 Tons	80162	234.15

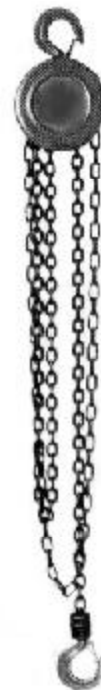


# HOISTS *Bridgeport*



## Chain Hoist - HS Series

Capacity (Tons.)	Lift (m.)	Min. Pull (Hook to Hook) (mm.)	BWRC Part #	Price (ea.)
½	5	280	88404	105.50
1	3	3003	88400	93.50
1	5	300	88406	115.50
2	3	380	88402	141.30
2	5	380	88410	172.70
3	5	470	88412	328.90

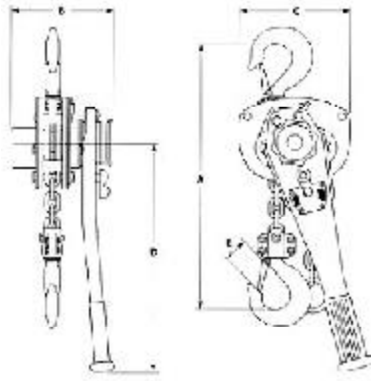






# HOISTS *Ingersoll - Rand*

Bridgeport is an Master Ingersoll - Rand Material Handling distributor, providing full service and sourcing for all products and parts.

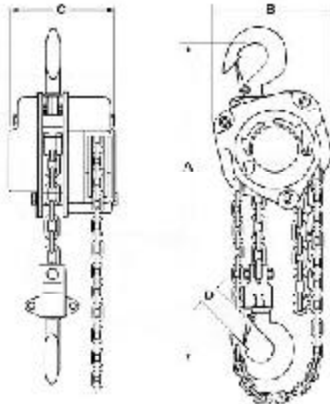
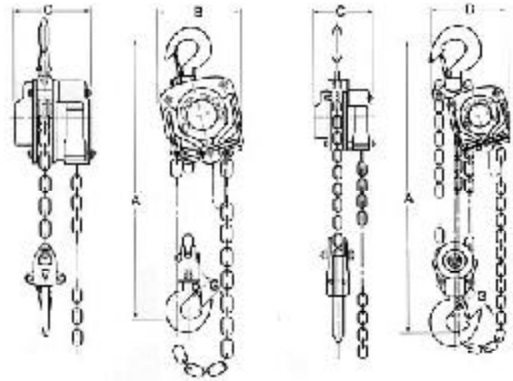


## Lever Hoist - LV Series

Capacity (Tons.)	Lift (A) (m.)	Min. Pull (A) (Hook to Hook) (mm.)	BWRC Part #	Price (ea.)
¾	5	295	88070	422.65
1½	5	324	88080	596.45
3	5	395	88090	762.35

## Chain Hoist - VL2 Sreies

Capacity (Tons.)	Lift (A) (m.)	Min. Pull (A) (Hook to Hook) (mm.)	BWRC Part #	Price (ea.)
½	10	305	88040	564.85
1	10	346	88045	647.80
2	10	425	88050	999.35
3	10	505	88055	1307.45
5	10	635	88065	2101.44

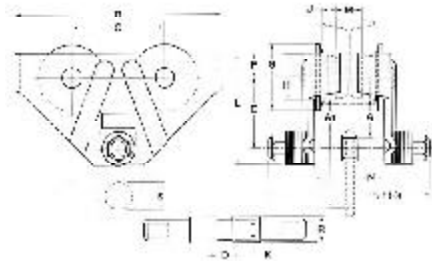


## Chain Hoist - MCH Series

Capacity (Tons.)	Lift (A) (m.)	Min. Pull (A) (Hook to Hook) (mm.)	BWRC Part #	Price (ea.)
½	10	305	88000	264.65
1	10	346	88005	300.20
2	10	425	88010	497.70
3	10	500	88079	722.85
5	10	635	88084	1074.40

## Hoist Trolley - SP Series

Capacity (Tons.)	Fits Beam Flange Widths (in.)	Supported Height (A) (in.)	BWRC Part #	Price (ea.)
½	2.66 - 4.66	2.50	88100	150.10
1	3.00 - 5.25	2.47	88106	180.90
2	3.33 - 6.00	2.47	88108	323.90
5	4.66 - 7.25	2.56	88104	880.85



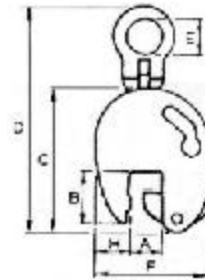


# LIFTING CLAMPS

Lifting clamps have evolved to highly specialized equipment in their design and capacity. They enable the safe transfer and positioning of large, heavy or awkward materials. Bridgeport stocks units appropriate to many typical industrial applications and capacities. Specialized units and larger capacities are available through Bridgeport suppliers. Our staff would be pleased to provide you with information on units that meet your specific requirements.

## Vertical Plate Clamps

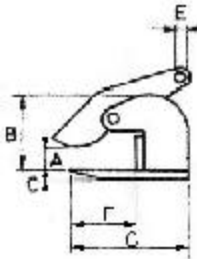
Designed for the lifting, turning, or vertical transfer of steel plate. Lifting eye is hinged to permit placing and lifting loads in almost any direction. Clamp latch locks in both open and closed positions.



Working Load Limit (ton)	Eye (E) (in.)	Jaw Width (A) (in.)	Jaw Depth (B) (in.)	BWRC Part #	Price (ea.)
1	1.19	0 - .75	1.77	81114	610.00
2	2.75	0 - 1.38	3.08	81116	845.00
3	2.95	0 - 1	3.34	81118	1105.00

## Horizontal Plate Clamp

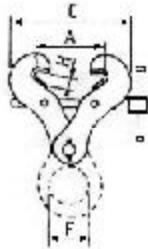
Designed for the horizontal lifting and transfer of non-sagging steel plate. To be used as multiples of 2's, or a three unit lift.



Working Load Limit (ton)	Eye (E) (in.)	Jaw Width (A) (in.)	Jaw Depth (B) (in.)	BWRC Part #	Price (ea.)
0.75	.63	0 - 1.19	2.52	81120	286.00
1.5	.86	0 - 2.38	3.86	81122	491.00

## Beam Clamp

Multi-purpose clamp for use on steel beams. Suitable for application as a lifting, tackle-eye or lashing clamp. Screwed spindle securely attaches clamp to the beam.



Working Load Limit (ton)	Width (C) (in.)	BWRC Part #	Price (ea.)
1	2.90-9.10	BC-1	131.15
2	2.90-9.10	BC-2	162.75
3	3.13-12.63	BC-3	234.00
5	3.60-12.63	BC-5	268.00





# BUOYS

## POLYFORM A-SERIES



**POLYFORM BUOY**

Style	Size (circumference)	BWRC Part #	Price (ea. )
Polyform - A-0	30"	75030	20.31
Polyform - A-1	40"	75032	23.99
Polyform - A-2	50"	75034	36.83
Polyform - A-3	60"	75036	54.15
Polyform - A-4	75"	75038	72.45
Polyform - A-5	90"	75040	161.40
Polyform - A-6	110"	75042	224.00

**Heavy Duty Floats.** The original POLYFORM all-purpose float with the distinctive blue, rib-reinforced ropehold, designed to stand up to the strongest pull. The ropehold and body are moulded in one process from tough, flexible Vinyl and will never separate.

Resistant to all weather conditions, common solvents and mineral oils.

## SCANMARIN HL



Style	Size Circ.	BWRC #	Price
HL-2	36"	75052	44.65
HL-3	42"	75070	57.30

**Colours Available:**

- Red
- White
- Yellow
- Orange
- Green

Scanmarin HL heavy duty floats with bullet-shaped design. Lifting flap and stabilising ribs around the end section reduce the drag resistance by up to 80%. Rib reinforced ropehold and body are moulded in one process from tough, flexible Vinyl and will never separate.



# BUOYS

## POLYFORM CC-SERIES



CC-SERIES



CCE-SERIES

Description	Style	BWRC Part #	Price Per
Spar	CC2	76000	47.60
Spar	CC3	76010	65.20
Mooring	CCE3	76030	110.00
Mooring	CCE4	76020	165.60

**Multi-purpose Buoys.** The CC-Series are fitted with a central flexible tube and are reinforced by special ribbing at the openings, providing extra high strength. The multi-purpose buoys are of seamless moulded construction. The material is resistant to all weather conditions and sunlight.

## POLYFORM F-SERIES



FENDER

Description	Size dia.x length (in.)	BWRC #	Price
F-1	6X25	75044	25.20
F-2	9X25	75046	38.60
F-3	9X30	75047	44.80
F-4	9X41	75048	68.20
F-5	12X37	75050	74.80
F-6	12X43	75053	106.50
F-7	15X41	75054	139.90
F-8	15X58	75045	194.95
F-11	24X57	75051	287.40

**Heavy Duty Pneumatic Fenders.** Supreme Quality Twin-Eye Fenders, moulded in one piece from tough, flexible Vinyl. The larger F-Series fenders are designed and manufactured for use offshore. Provided with the same rugged ropehold sections as the A-Series Floats.

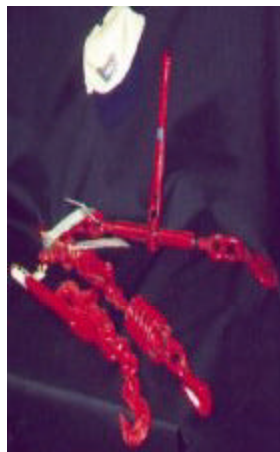




# Bridgeport

Now Offers

# Complete Cargo Control



**New Product !!!!!!!**



# Get A Grip on Winter **TIRE CHAINS**



## **ARCTIC-TRAC®** Reinforced Single Truck Chains

Tire Sizes	Cam Type Stock Number	Wt./Pr. Lbs	Replacement Cross Chain Part Number	Number of chains	Price
10.00-20 11-22.5 275/70R22.50 275/80R22.5	40290	60	40286	15	173.80
10.22-22 11-24.5	40292	59	40288	15	192.00

## **ARCTIC-TRAC®** Reinforced Dual-Triple Truck Chains

Tire Sizes	Cam Type Stock Number	Wt./Pr. Lbs	Replacement Cross Chain Part Number	Number of chains	Price
10.00-20 11-22.5 275/70R22.50 275/80R22.5	40294	102	40286	30	329.40
10.22-22 11-24.5	40296	110	40288	30	340.60



## Accessories

### **Straight Link Side Chain Bulk-Unhardened**

Stock Number	Size	Chain Diameter		Lbs./100 ft.	Price
40298	7/0 Trucks	5/16	.312	69	2.10
40297	9/0	3/8	.375	53	2.62
40295	11/0	7/16	.437	75	4.10



### **Twist Link Cross Chain Bulk-Hardened**

Stock Number	Size	Chain Diameter		Lbs./100 ft.	Price
48030	7/0	5/16	.312	40	3.00
48028	9/0 Truck	3/8	.375	64	4.40
48032	11/0	7/16	.437	92	6.35

### **Replacement Cross Chain w/Hooks**

Replacement Cross Chain Chart	Standard Package Quantity	Weight/Lbs. per 100 pcs.	Chain Diameter		Number of Links	Inside Length with Hooks-Inches	Price
40286	25	112	.281	3/32	9	14.37	3.10
40288	25	121	.281	3/32	10	15.62	3.32

**ARCTIC-TRAC® is a registered trademark of Weissenfels USA, Inc.**





# Creative Canvas Co.



Established in 1979, **CREATIVE CANVAS CO.** has achieved a highly respected history of success in providing functional solutions to design challenges. Skilled craftsman produce an ever-growing range of products under careful quality control standards through accredited internal quality assurance program. All products meet or exceed the quality specifications of ISO 9002, and readily meet other standards. Our product lines include awnings and décor; gym mats; environmental protection devices; industrial curtains and specialized bags; agriculture, aquaculture, sports and construction nettings; and highly specialized scientific and paramilitary fabric related equipment and bags.

**CREATIVE CANVAS CO.** also provides contract sewing, repair and distribution of products. Our Special Projects Group would be pleased to discuss your requirements. They are proud of their reputation for providing functional and affordable solutions for projects as diverse as outstanding interior décor packages for retail centers to helicopter flight deck awnings.

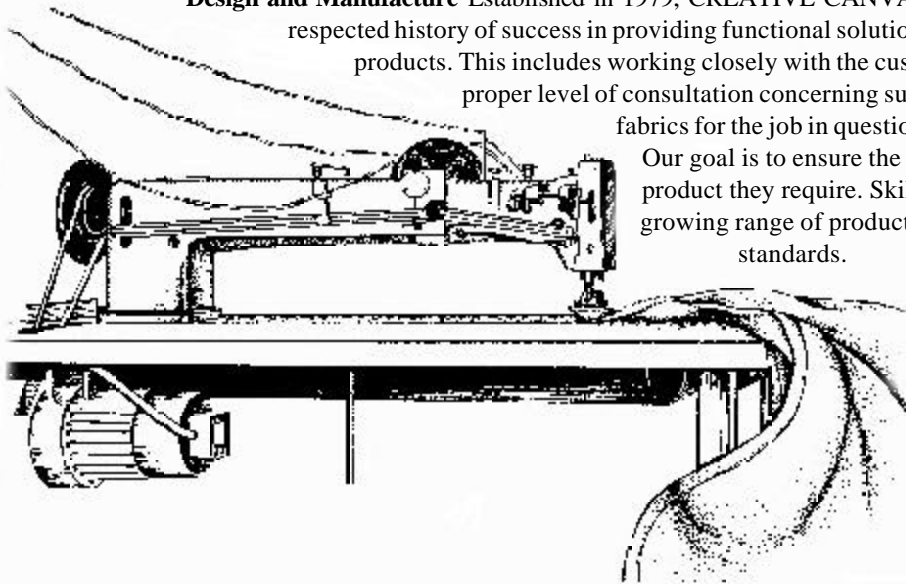


# CUSTOM CONTRACT SEWING

THE FINEST SEWING FACILITY IN EASTERN CANADA

Using state-of-the-art equipment and technology, and manufacturing from the best materials available, CREATIVE CANVAS CO. has established itself as the finest custom sewing facility in Eastern Canada. Our plant located in Burnside Industrial Park features programmable sewing machines, fabric welding equipment, multiple layer cutting machines and a fully equipped welding shop.

**Design and Manufacture** Established in 1979, CREATIVE CANVAS CO. has achieved a highly respected history of success in providing functional solutions to design challenges for related products. This includes working closely with the customer to ensure they receive the proper level of consultation concerning such matters as the most suitable fabrics for the job in question intricate design considerations. Our goal is to ensure the customer receives exactly the product they require. Skilled craftsman produce an ever-growing range of products under careful quality control standards.



CREATIVE CANVAS, stocks the widest range of quality sewing findings available for all industrial sewing applications.

- MARINE HARDWARE
- WEBBING
- VELCRO
- THREAD
- BINDING
- GROMMETS
- SNAPS
- BUCKLES
- FABRICS

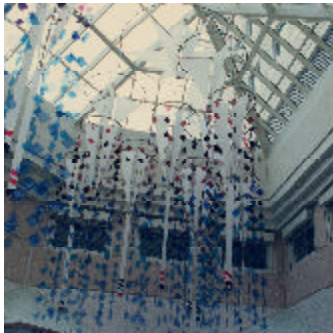




# PRODUCTS



## BANNERS



## BOAT COVERS





# SPECIAL PROJECTS

**Stage Cover  
Alderney Landing**



**Deck Awning  
Ville de Quebec**



**Entrance Awning  
Barrington Plaza**



**Creative Canvas Co.** has vast experience in managing large scale projects. Whether it is a mass production run of several thousand items, or a single large custom product such as a building cover.

**Creative Canvas Co.** takes an individual approach to every project, and works closely with the customer, in order to produce a product that meets or exceeds the customers requirements.

## **K-19 The WidowMaker**

Ceremonial Ribbon cut by Harrison Ford, manufactured by Creative Canvas Co.



Quonset Hut Cover manufactured and Installed by Creative Canvas Co.



Construction Tarps manufactured by Creative Canvas Co.





# SPECIAL PROJECTS

## Murphy's On The Water

### Exterior Awnings



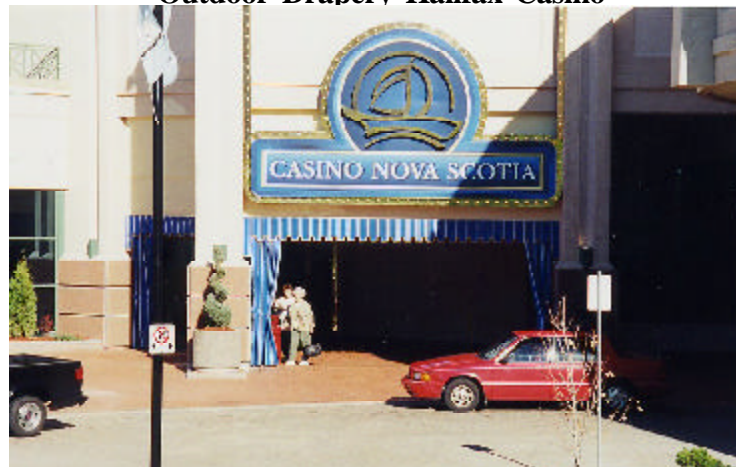
### Patio Deck Curtains



### Interior Canvas Curtains



### Outdoor Drapery Halifax Casino





Atlantic Canada's first choice for Quality, Design and Durability

## AWNINGS & DECOR



CREATIVE CANVAS CO. manufactures primarily aluminum framed awnings using a system which allows for unlimited shapes and sizes that are renowned for their tight fit and superior strength. Experienced with different types of fabrics used in this highly specialized market and as a result of an ongoing research program, remain Atlantic Canada's industry leader.

Exterior awnings are very popular because they combine functional elegance with decorative appeal to enhance the appearance of any business or home. They are utilized to complement or dramatize the architecture of a building, provide protection from sun and rain to customers and serve as an excellent means of advertisement. Awnings also conserve energy by shading windows and reducing interior temperatures. Awnings may be permanent or seasonal; fixed, folding or retractable.

Durable awning fabrics are available in a wide array of eye-appealing colors, patterns, textures and styles. Today's awning fabrics are durable enough to withstand the elements, yet retain their flexibility and good looks. CREATIVE CANVAS CO. has extensive experience in a wide variety of awning and canopy applications – from extending living space over residential patios to a 400' long backlit awning for retail complex. An in – house welding shop and state-of-the art manufacturing facility allow us to control all stages of production – from conception to budget, through design and frame fabrication, following IFAI standards to final installation.

CREATIVE CANVAS CO. is well versed in the requirements within the retail and institutional environments for captivating, yet economical and excellent reputation for providing functional solutions to design challenges...From acoustical panels and banners to interior awnings and multi-tiered mobiles, to serve as architectural solutions.

# GYM MATS

Manufacturer of fine vinyl tumbling and landing surfaces, floor covers and gymnasium surfaces.

CREATIVE CANVAS CO. uses a 14oz. laminated vinyl for gym mats and standard crash mats, landing mats and jumps pits.

This anti-skid vinyl adds to the longevity of the mats and the fire-retarding material has an anti-bacterial coating that inhibits growth of bacterial organisms and can be easily cleaned with soap and water. An 18 oz. vinyl is used on all deluxe items.

All seams are sewn with high tenacity nylon threads lock-stitched with 4 to 5 stitches per inch. Seams on all gym mats are inverted so no raw edges are exposed. Crash mats, landing mats and jump pits are all double-stitched, hidden-seam construction. Different types of foam polyurethane, (open or closed cell) with varying densities are carefully chosen to suit each mat. CREATIVE CANVAS CO. uses only 1 ½" original hook and loop Velcro. The strength of velcro fasteners is dependent mainly on the pressure applied in closing. Our warranty guarantees the product for 1 year against workmanship and material defects under normal usage.



ö **EXERCISE MATS**

ö **FOLDING MATS**

ö **CRASH MATS**

ö **LANDING MATS**

Creative Canvas Co. also offers a wide range of other gymnasium and exercise products available including:

- √ Wedges
- √ Barrels
- √ Buttons
- √ Single and multi-layered horses
- √ Donuts
- √ Parallel bar mats
- √ Speed skating mats
- √ Floor protection systems
- √ Gym curtains with tracking



# TARPAULINS

FABRICS FOR INDUSTRY  
 PRODUCTS DESIGNED AND MANUFACTURED  
 FOR INDUSTRY FROM FIRST QUALITY MATERIAL THAT PERFORM TO SPECIFIES REQUIREMENTS.

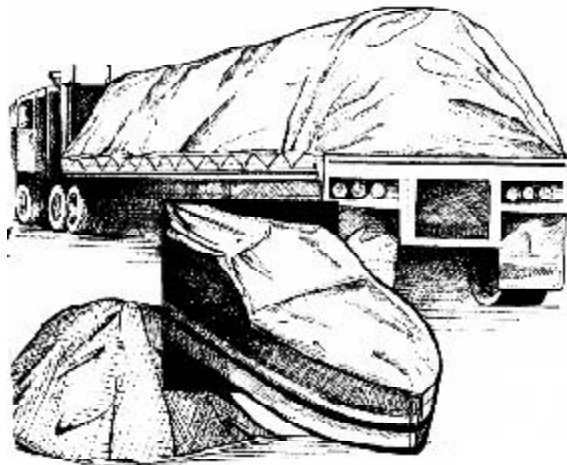
CREATIVE CANVAS CO. can help you choose the right fabric for the right job whether the project is tractor-trailer tarpaulins, large area covers, curtains or specialized bags.

Our Special Projects Team would be pleased to discuss your requirements. They are proud of their reputation for providing customized, functional and affordable solutions for a vast range if industrial projects.



## FLAT

- |                |  |
|----------------|--|
| 18 oz PVC      | Heavy duty truck cover, 100% waterproof ,choice of colors.   |
| Asphalt Tarp   | Nicolon with PVC sides & backflaps   |
| PVC Woven Mesh | coated – for gravel, woodchips   |
| Nicolon Mesh   | Mesh for gravel, woodchips & asphalt   |
| Monomesh       | For woodchips  |
| Knitted Mesh   | For gravel / woodchips   |
| Canvas 12oz.   | Waterproof   |
| Canvas 12 oz.  | Fire-retardant   |
| Polyethylene   | P1080, 12 mil poly   |
|                | Color: Black/Silver  |
| Polyethylene   | PE RU88, 20 mil, UV resistant  |
| Insulated Tarp | Bubble pack / Polyethylene   |
| Other          | AcrylicSunbrella or Dickson UVWater resistant for canopies & Windbreaks for odd shapes & 3 dimensional |



## OPTIONS AVAILABLE

- |                  |  |
|------------------|--|
| Reefs            | Nickel plated 2” rings ev. 2ft.-2” web |
| Fitted ends      |  |
| Asphalt retrofit | Add flaps to existing asphalt tarp     |

Fabric weights can vary upon request



# ENVIRONMENTAL PROTECTION

Geotextile Products...  
When Containment is Critical

CREATIVE CANVAS CO. has been involved in many unique applications for membrane materials to help minimize the effects of development or industrial accidents on the surrounding environment. We offer a variety of membranes for use on both land and sea to contain water pollution, prevent soil erosion and stabilize the ground beneath landfills, reservoirs and new roadways.

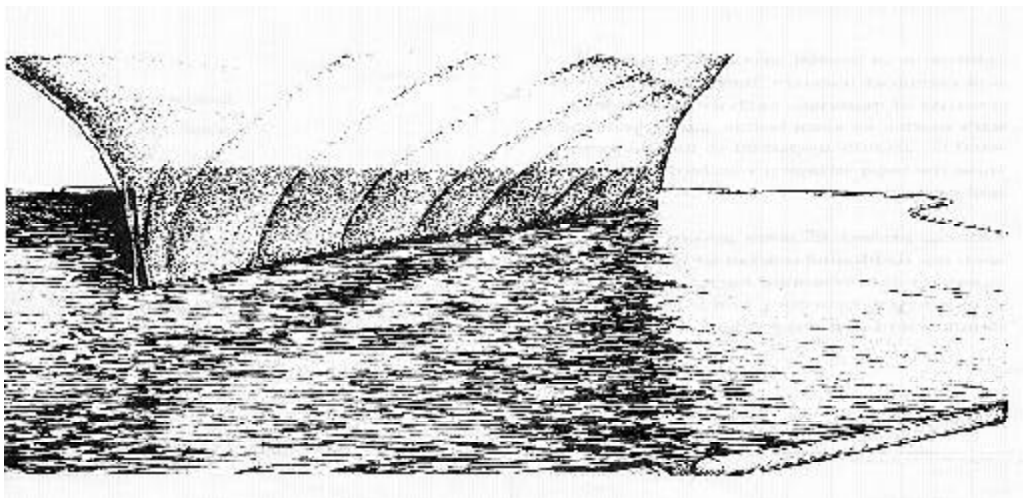
Products available include Silt Curtains that use membrane collectors to provide comprehensive treatment and the disposal of turbid wastewater from water-site engineering projects. CREATIVE CANVAS CO. was the supplier of 24,000 square feet of this system for the infilling of land in the Bedford Basin (Nova Scotia, Canada) during development of the Bedford Basin area.

Oil Booms can confine oil spills wastes from ships and other forms of water pollution. Creative has manufactured fences with proven efficiency on many occasions where ships have been stranded and leaked fuel or on-land development has resulted in leached pollution to lakes

Form Bags are put at dams, oceans and river sites by injecting mortar into a membrane mat framework of special bags.

Water Barrier Linings are economical for the bottoms of reservoirs and waterways and can be used to control drainage and ground infiltration at landfill sites. These waterproof and chemical-resistant liners are made from a variety of materials, such as polyethylene, with welded or sewn seams. Each sheet and weld is carefully inspected so that they can meet the most stringent standards for safety and performance.

CREATIVE CANVAS CO. continues to provide industry, government and even the residential market with a wide variety of fluid retention barriers—from large projects such as settling ponds to golf course construction and residential landscaping.



# SOAKER BAGS

(Dewatering Filter Bags )



Creative Canvas Co., a division of Bridgeport Wire Rope & Chain Ltd. is Atlantic Canada's leading manufacturer of a series of geotextile filter bags, ("Soaker Bag"). Developed over a period of 5 years, they are stronger than similar bags, more efficient, more cost effective, and allow for easy deployment and use.

The Soaker Bag has a variety of uses in the control of particle contaminated run off water

- √ They can be used when pumping water during construction and excavation.
- √ Control of water run off from building sites.
- √ Control of sedimentation due to rain in culvert and water diversion systems.
- √ Used for pumping of ship bilge and flooded basement areas.

The selection of fabric to be used in fabrication depends on the required bag duration, water volume and pressure, and deployment conditions. The strength and permittivity of the fabric varies according to type and weight of the non-woven or woven geotextile material. Engineering specifications may be required in some instances.





# SILT CURTAIN

( Turbidity Curtain )



Silt curtains are used to contain water born particles found in run off water during excavation and construction by lakes, ponds, marshes, rivers, streams or the sea. Environmental regulations dictate a specific need to protect waterways and fish habitats from sedimentation and erosion by-products.

Creative Canvas Co. Silt Curtain is ready to deploy. Construction includes a non-woven or woven geotextile fabric, sewn to accommodate a flotation collar, ballast, reinforcing support wire, and joints. Sections are joined using PVC flaps with eyelets and Velcro to create a watertight seal. There is no requirement for on site sewing or floatation / ballast preparation.

Curtain sizes vary according to customer requirements. Standard curtain section lengths are 100 to 150 feet to allow for ease of deployment. A typical section can be deployed easily with a small power boat and 3 personnel/floatation, fabric, ballast and wire requirements are all matched to provide consistent, complete solution to customers needs.

Silt Curtains have been shown to be an effective means of protecting the environment .Designed and constructed to provide cost effective solutions to the user.



# DOCK SEALS



Creative Canvas Co. manufactures Dock Seals to fit both standard and custom sizes. Using only quality PVC, 19 thru 40 oz. as requested, covering polyurethane foam pads. Hardware required for installation is included.

## Did You Know?

That all equipment should be inspected before each use? No product can keep operating at its rated capacity indefinitely

For further information and pricing please call

