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TOTAL  TOOL
SUPPLY, INC.

RIGGING

1-800-444-4899

www.TotalTool.com

WE HAVE YOUR LIFTING SOLU

NEED SOMETHING TO BE LIFTED, MOVED, OR SECURED?

Our rigging specialists and sales people have the knowledge to find the best solution for your application. Total Tool specializes in all areas of below-the-hook rigging and lifting devices and stocks a wide variety of slings. We manufacture onsite, and can accommodate any special needs you may have. In addition, we carry a large inventory of rigging hardware — hooks, shackles, eye bolts, thimbles, swivels, lifting rings and much more.

DETERMINING PROPER SLING TYPE

All slings have certain unique advantages, as well as limitations. There is no single sling that will accomplish every task. The following are the key pieces of information a rigger takes into consideration when selecting the proper type of sling:

- **WHAT IS BEING LIFTED**
- **SIZE OF LOAD**
- **HOW LOAD WILL BE RIGGED**
- **ENVIRONMENTAL CONDITIONS OF LIFT SITE**
- **WEIGHT OF LOAD**
- **SHAPE OF LOAD**
- **SLING ANGLE**

SLING COMPARISONS

	PRICE	FLEXIBILITY	WEIGHT	DURABILITY	OPERATOR DANGER	SCRATCHES	HANDLING
WIRE	Medium	Low	Average	Medium	Medium	Very Likely	Difficult
CHAIN	High	Medium	Heavy	High	Medium	Very Likely	Difficult
WEB	Low	High	Light	Light	Low	Not Likely	Easy
ROUND	Low	Extreme	Light	Light	Low	Most Protective	Easy

SYNTHETIC SLINGS

Total Tool manufactures synthetic slings on-site at our St. Paul, MN branch from materials produced in the USA. They are generally made of nylon or polyester and are used below the hook to attach the load being lifted. Best for short-term use, they are considered the most reliable for handling delicate loads.



WEB Slings

Web slings are used for lifting highly-polished, fragile or delicate loads needing protection from damage. They are made of either nylon or polyester flat webbing and offer a wide surface area to ensure a secure grip around the load. Their superb flexibility allows them to be quickly and safely handled by riggers.



Adjusts to the load contour offering tight grip

Soft material offers load protection

Wide widths for improved load control

Relatively low initial cost



Best used at temperatures lower than 194° F.

Susceptible to sharp edges and abrasive surfaces

Slight damage can cause significant loss in strength

Harsh environments can degrade webbing strength



ROUND slings

Round slings have large capacity while being relatively inexpensive. Their pliable design allows it to hug a load better than other types of lifting slings. They are covered with a durable polyester color-coded fabric jacket to indicate the weight capacities of the sling—making it easy to recognize the weight ratings at a glance.



Conforms to shape of load to grip securely

Low initial cost

Double wall cover for greater sling life

Light weight reduces ergonomic concerns



Not to be used at temperatures above 194° F. Relatively

Susceptible to sharp edges

Harsh environments can degrade webbing strength



CHAIN Slings & the GrabiQ Sling system

Operating under high temperatures, near environmental hazards or rugged conditions that may cause damage when raising a load? Chain Slings are your answer—flexible, long lasting, ductile, easy to inspect and collapsible for convenient storage. If customization is necessary, they are an excellent choice as they can be configured in a number of ways to ensure they adhere securely and meet the needs of your lift.

Rigging has never been easier than with the incorporation of the GrabiQ sling system. Instead of the normal seven top fittings, the GrabiQ system has only one therefore reducing the number of components and making it much more versatile. Fewer parts not only make the sling lighter, but easier to use, inspect and maintain. Additionally, GrabiQ offers more configuration options than standard components.

Each chain sling must have an attachment identification tag providing the grade, size, reach, type of sling, working load limit at a specific angle of lift, and serial number.



Resists abrasion and cutting



Flexible for gripping the contours of the load

Easily made adjustable in length

Can be used at temperatures up to 1000° F.



Chains are more expensive in comparison

Heavy to carry, transport, install

WIRE ROPE Slings

Wire rope slings are robust, durable, have high temperature limits and are the most economical option for most lifting needs. They also are the most frequently used type of sling in the industry. Total Tool has the capability to fabricate these in various configurations at our rigging shops.



Lighter and much less expansive than chain

Offer longer lengths than any other type of sling

High temperature limits

Robust and durable



Flexible only to some degree

Much heavier than synthetic slings

Will deform if bent too far

Can be challenge to carry and install



Bulk Wire Rope

Need a replacement wire rope for your overhead or mobile crane? Total Tool sells a wide range of standard and specialty wire rope for cranes.

HARDWARE

Total Tool offers a variety of fittings for many different applications including shackles, eye bolts, swivels, lifting rings and many more. Not sure what will work best? Our rigging specialists and sales team will guide you to the best solution.



Shackles



Swivel Hoist Rings



Eye Bolts



BELOW THE HOOK LIFTING DEVICES

Below the hook lifters are helpful pieces of equipment that provide a secure connection point between the crane and the load being lifted. While every business is unique, there is a common need for these devices. Total Tool provides a broad selection to meet the unique needs of many different industries.



Plate Clamps



Beam Clamps



Lifting Beams



MANUAL HOISTS

Total Tool is a supplier of manual lever and chain hoists which are both used to effectively pull, lift and position materials. We offer standard and custom chain lengths and are able to repair and load test all the major brands. Got a short term job in need of a manual hoist? Turn to Total Tool when renting makes more sense. We offer high quality equipment delivered to your jobsite.

MANUAL LEVER HOISTS

Manual lever operated hoists are a basic and versatile piece of equipment used in numerous applications to aid workers in the handling, moving, and tensioning of loads. They are generally available in three types as defined by the medium used to tension or move the load: chain, wire rope, and web strap.

CHAIN FALLS

A hand powered hoist consisting of chain working on the pulley principle, used to lift and move large heavy objects.



TIE DOWNS

Tie down straps are fasteners used to hold down cargo or equipment during transport. These closures are essentially outfitted with hardware which allows the tie down strap to attach to the area of concern. The strap either surrounds, loops over and/or attached to the cargo or equipment. There are several different kinds of fasteners with the most common being ratchet straps, chain binders and tie down chains. Total Tool carries all of these and more!

TOTAL  **TOOL**
SUPPLY, INC.



Ratchet
Straps



Chain
Binders



Ratchet
Binder



Lever
Binder



Tie Down
Chain



TRAINING

Training is one of the many services offered by Total Tool. Seminars are targeted at safety managers, construction laborers, salvage and industrial workers, engineers, crane and rigging crews and all trades. Training sessions are available throughout the year and we're happy to instruct at our facility or yours.

RIGGING TRAINING

The goal of our rigging Training is to make lifting operations as safe as possible. Attendees will learn about maintenance, general rigging, lifting, lifting safety and the correct use of rigging gear. Qualified Riggers will cover:

- Definitions related to slings, hoists and rigging gear**
- Rigging hardware specifications; identification and selection criteria**
- Inspection & removal criteria per OSHA & ASME**
- Safe rigging practices**
- Factors that affect working load limit**
- Proper application of sling protectors**
- Knots for tag lines**

SIGNAL TRAINING

A signal person is required when the point of operation is not in full view of the operator, the operator's view is obstructed in the direction the equipment is traveling, or because of site-specific safety concerns.

Training topics covered:

- Know and understand type of signals used at worksite level**
- Competency in using signals**
- Understanding the operations and limits of equipment and more**



ON-SITE INSPECTIONS

Total Tool recognizes the importance of providing Repair and Inspection services to our customers. Not only are there safety and compliance factors to consider but consistent maintenance will increase your productivity. At the completion of every inspection you will receive a copy of your report.

RIGGING INSPECTIONS

OSHA requires below the hook rigging to be inspected and properly documented. Keep your employees safe and protect your business by making sure your gear including lifting beams and attachments as well as web, wire, rope, and chain slings are up to code.

MANUAL HOIST

In addition to a pre-shift inspection program for manual hoists, OSHA requires hoists are inspected and documented periodically. This includes lever hoists and chainfalls.

HARNESS INSPECTIONS

A harness should be inspected by a user prior to each use. Also, a detailed inspection of the harness should be performed by a competent person every six months with results recorded on a an inspection record card.

OVERHEAD CRANES

Due to large and heavy objects often being transported by overhead cranes, routine inspections are necessary to ensure safety. Per OSHA, a complete inspection with records is required at least every 12 months. Wire rope and hook inspections are required monthly and must be recorded.

The screenshot shows a software application window titled "Total Tool Rigging". At the top, it says "Inspection 4CASH-CASH" and "WALBURG, WI 54461". On the left, there's a sidebar with "Priorities Found: 3 - High" and a "General" section with items 1 through 7, each with a checkbox and a status indicator (P1 Fail, P2 Pass, P3 Not Applicable). Below this are three small images labeled P1.1, P1.2, and P1.3, which appear to be photographs of inspection findings. At the bottom, there's a footer with "Total Tool Supply Inc. - 215 North Pierce Street, St Paul, MN 55104 (800)444-4999" and "Printed on 2/29/2016 Powered by INSPECTALL".

INSPECTALL®

Total Tool can help you create a more efficient process to standardize your inspection compliance program. We use InspectALL, an inspection documentation software system that efficiently captures your audits and forms and automatically builds a powerfull database.

Total Tool offers these services at your location or ours! Give us a call and set up your inspection and/or certification today.

YOUR ONE SOURCE FOR & CONSTRUCTION & INDUSTRIAL NEEDS.

Total Tool Supply, Inc. is a contractor and industrial supply distribution company providing tools, services and solutions to a large and diverse customer base across North America. In business since 1977, Total Tool is dedicated to helping you get the job done right – safely, on time and within budget.

**TOOLS.
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SOLUTIONS.**

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