



TLL's Semi-Annual Newsletter on Lifting Device Safety & Industry News



SAFETY • BULLETIN

What's New at

- Our office is pleased to welcome a new employee, **Melissa Astins**. Melissa will be working as part of the sales and administration team.
- Look for us on the internet. We expect to have our website up by **June** of this year. We will be located at: www.techload.on.ca

You Asked Us...

(Q) *If we have produced / fabricated a number of lifting devices from a single drawing, and tested one piece to validate its integrity, can I assume all other units produced are okay per the original drawing?*

(A) NO - this question has been asked many times and answered by the interpretation committee of ASME B30.20-1993 (October 18, 1996) interpretation 20-9. The answer reads as follows:

“A manufacturer producing multiple units of a lifting device, according to a single design assembly drawing does not assure that all units will be identical and able to meet the criteria of the rated load test. Therefore, one should not conclude that a load test done on the first unit can validate the structural integrity of all subsequent units by similarity of construction.

(Q) *In our shop we have a 2-ton Bridge crane system where the capacity is clearly shown on the hoist. Am I required to show the capacity on the rail?*

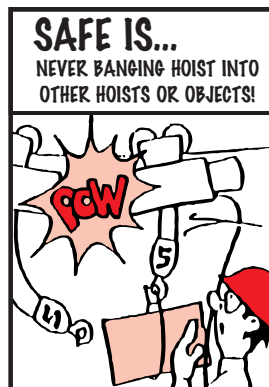
(A) YES - according to OSHA 29 CFR 1910.179 “The rated load of the crane shall be plainly marked on each side of the crane...” Also ASME B30.176-2001 (17-1.1.1) states: “The rated load of the crane shall be marked on each side of the crane bridge girder, or other component attached to the crane bridge girder, and shall be legible from the ground floor”.

We're Getting Around!

Our technical staff is getting around. Listed below are places Technical Loadarm has been performing lifting device safety services in the last 6 months:

- Glen - Linden, New Jersey
- Neil - Jacksonville, Florida
- Al - Teterboro, New Jersey
- Chris - Tonawanda, New York
- Neal - Gananoque, Ontario
- Jamie - Saline, Michigan
- Sam - Kansas City, Missouri
- Mike - Sandusky, Ohio
- Ray - Bedford, Indiana

Operator Safety Tip #8



Your feedback is valuable...

Fax: (519) 767-2341
newsletter@techload.on.ca

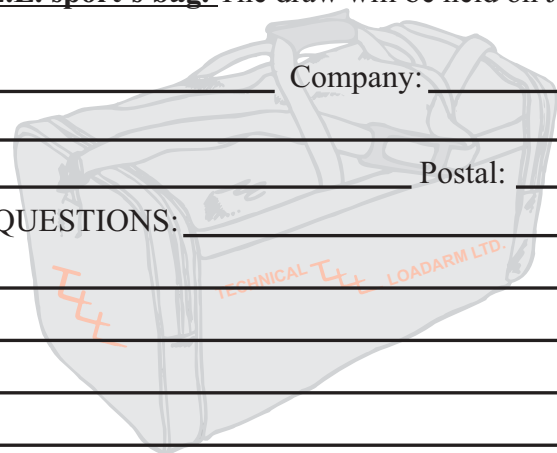
If you have any comments or questions, we would be pleased to hear from you. **Each response faxed or e-mailed to our attention will be entered into a draw for a T.L.L. sport's bag.** The draw will be held on June 13th, 2003. *Good Luck!*

Name: _____ Company: _____

Address: _____

City/Prov. _____ Postal: _____

COMMENTS / QUESTIONS: _____



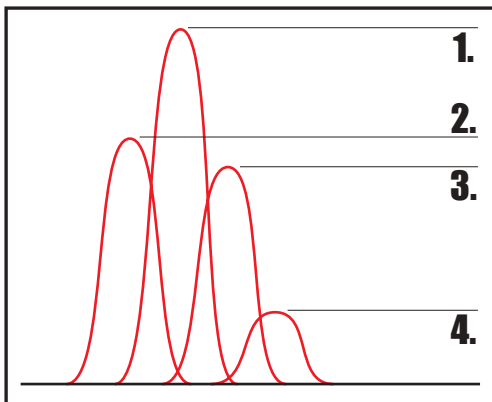
Did you know...

That your tie off point for a fall arrest system needs to be capable of supporting 5,000 lbs per worker? If you have any doubt about the strength of your attachment point, DO NOT TIE OFF, search for a safer alternative.

Did you know...

A shock-absorbing lanyard can significantly reduce the forces generated in the event of a fall.

The Forces Generated by a 200 lb Weight Free Falling Six Feet are:



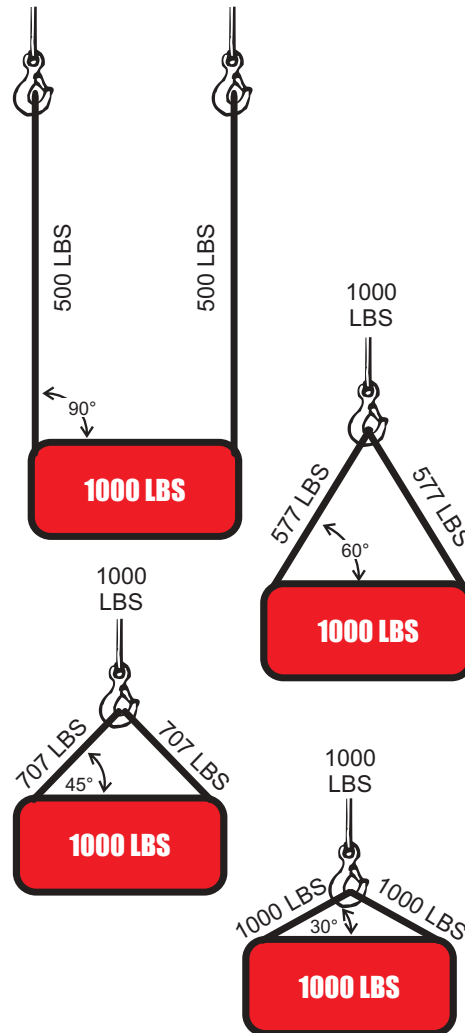
1. Steel Lanyard - 3970 lbs of Force
2. Webbing lanyard - 2760 lbs of Force
3. Nylon Rope lanyard - 2395 lbs of Force
4. Shock-Absorbing Lanyard - 830 lbs of Force

Did you know...

That a self-closing, self-locking keeper on your lanyard significantly reduces the possibility of accidental disengagement or “rollout”.

Did You Know...

Sling Angles Affect the Load on the Legs of a Sling



SLING ANGLE (also called Angle of Loading) is the angle measured between a horizontal line and the sling leg or body. This angle is very important and can have a dramatic effect on the rated load of the sling. As illustrated here, when this angle DECREASES, the LOAD ON EACH LEG INCREASES. This principle applies whether one sling is used with legs at an angle in a basket hitch, or for multi-leg bridle slings.

Horizontal sling angles of LESS THAN 30 DEGREES SHALL NOT BE USED.

Services Provided

Lifting Device Safety Inspection of:

- Tower, Mobile & Bridge Cranes
- Manual, Electric & Air Hoists
- Powered Lift Trucks & Lift Truck Booms
- Chain, Wire Rope & Fabric Slings
- Battery Hoists, Car Hoists & Lift Truck Hoists
- Spreader Beams, Crane Magnets & Tong Attachments
- Pallet Lifters, Sheet Lifters, Plate Lifters & Coil Lifters
- C Hooks, J Hooks, Crane Hooks & Coil Upenders
- Manlifts, Scissor Lifts, Zoom Boom, Snorkel Lifts & Man Cages
- Pallet Trucks, Die Carts, Lift Tables & Die Lifters
- Eyebolts, Swivel Hoist Rings & Shackles
- Lift Truck Booms & Attachments

Engineering Services:

- Capacity ratings for Crane Bridges, Monorails and Structures
- Miscellaneous Lifting Devices
- Industrial Racking & Other similar items

Nondestructive Examination of:

- Coil Cradles
- Press Beds & Structures
- Barrel Dumpers
- Safety Harnesses & Lanyards
- Tractor Trailers & Trailer Hitches
- Front End Loaders
- Jacks & Die Stands
- Automotive Mass Production Parts

*** NDE is performed using Visual, Dye Penetrant, Magnetic Particle or Ultrasound Processes

Training Programs:

- Crane & Rigging Operator Training
- Maintenance & Safety Inspection Training (all Devices)
- Lift truck Operator
- Nondestructive Examination Training (magnetic particle)