



## CERTIFIED LIFTING DEVICES

### WHAT IS THE VALUE OF CERTIFIED LIFTING DEVICES?

A good question to ask since there is a cost to not knowing! It's worth your time to understand what is behind certification lifting devices!

**First, a certified lifting device has to be designed to current regulations and standards.** It's the law in Ontario. When a lifter is certified you can be assured of the product's performance and that it can capably lift the rated load repeatedly. Here's a list of the regulations and standards ELS lifting devices are designed to:

- Ontario Occupational Health and Safety Act, Industrial Establishments, Sections 45-59
- Canadian Standards Association, Safety Code for Material Hoists, CSA-Z256-M87 (or latest edition)
- Canadian Standards Association, Safety Standard for Operation, Maintenance and Inspection of Overhead Cranes, Gantry Cranes, Monorails, Hoists and Trolleys, B167 (latest edition)
- Standard: ASME B30.20 applies to Below-the-Hook Lifting Devices (the marking, construction, installation, inspection, testing, maintenance, and operation of these devices). Information such as: Registered Metal Tags, Signage: Rated Capacities (in black) & Safety Warnings must be displayed on both sides of lifter, with lettering visible from floor.

**Second, you can reduce the risk of workplace accidents.** A correctly engineered lifting device is designed with a minimum safety factor 3:1 and when a situation merits, a higher safety factor is used.

**Third, you have the assurance of quality** knowing the certified lifter has been built to last. Engineered Lifting Systems and Equipment Inc. designs and fabricates its equipment to rigorous criteria, which includes but is not limited to the following:

- Canadian Electrical Code C22.1 (latest edition)
- Occupational Health and Safety Act (R.R.O. 1990, Reg. 851) for Industrial Establishments
- Steel Design Code (CSA S16.01)
- Welded Steel Construction Code CWB W59 (latest edition)
- National Building Code of Canada (latest edition)

**Furthermore, Manufacturing and Installations are performed by trained work staff** qualified to the Canadian Welding Bureau CSA Standard W47.1. Custom electrical panels and/or controls are hydro (ESA) inspected in our shop. Site construction is performed in accordance to OHS Reg. 213.

**Structural Material** shapes are a minimum grade of CSA G40.21-300W. Plates, flat bars and sheet steel are a minimum grade of CSA G30.21W. Structural bolts are a minimum A325

**ELS has qualified professional staff** that design, oversee and provide certification documentation. We have CWB certified welders and production facilities that are CWB certified with Weld Quality Standard "B". Contact us for more information or to ask for a price quotation.