



Certificate of Compliance

ADB® SAFETY ENGINEERED HOIST RINGS

ADB®'S QUALITY MANAGEMENT SYSTEM IS REGISTERED TO ISO 9001-2008

The material type, AISI-4140 alloy steel, used in ADB® Safety Engineered Hoist Ring components conform to the chemical requirements of Mil-S-5626, AMS-2301, ASTM A-331, and ASTM A-322.

CHEMICAL ANALYSIS

Carbon	.38/.43	Silicon	.20/.35
Manganese	.75/1.0	Chromium	.80/1.10
Phosphorus	.025/Max	Molybdenum	.15/.25
Sulfur	.025/Max		

ADB® Safety Engineered Hoist Rings have a design factor of five times the rated capacity based in any lifting direction. However, the user is reminded that it should not be used to lift loads that exceed the rated capacity. If any component or components of the hoist ring is replaced with a non-ADB® component, this certification is void. ADB® Safety Engineered Hoist Rings are designed to meet and exceed the following military specifications and ASTM standards:

MIL-STD-1365	General design criteria for handling equipment associated with weapons systems.
MIL-STD-209	Slings and tie down provisions for lifting and tying down military equipment.
ASME B30.26	Safety Standards for cableways, cranes, derricks, hoists, hooks, Jacks and slings.

- The surface finish of ADB® Safety Engineered Hoist Rings is Black Oxide per MIL-DTL-13924.
- ADB® Safety Engineered Hoist Rings are not exposed to any equipment or material known or suspected of having Mercury or Polychlorinated Biphenyls (PCB's).
- 100% of ADB® Safety Engineered Hoist Rings critical, load bearing components are magnetic particle inspected in accordance with ASTM E 1444, ASTM-A574, ASTM F788/F788M (NAVSEA testing available upon request).
- ADB® Safety Engineered Hoist Rings are heat treated to 36-48 Rc per MIL-H-6875.
- 100% of ADB® Safety Engineered Hoist Rings critical, load bearing components are hardness tested for material, and heat treat verification.



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- Screws and studs are produced from 170,000 PSI minimum tensile strength material. ADB® alloy screws conform to the requirements of ASTM A574-Standard Specification of Alloy Steel Socket Head Cap Screws.
- ADB® Safety Engineered Hoist Rings are CE Certified and in conformity with European standards per CEN/TC 168 Reference to EN 1677-1: 2000 Par 1 and all other applicable sections of Machinery Directive 2006/42/EC.
- ADB® Safety Engineered Hoist Rings comply with DFARS (Defense Federal Acquisition Regulation Supplement)-252.225-7014 *Preference for Domestic Specialty Metals- Alternate 1*.
- Made in U.S.A.

A handwritten signature in blue ink, appearing to read 'BB'.

Benjie Bradshaw
General Manager