



# Certificate of Compliance

## ADB® HEAVY DUTY® HOIST RINGS

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

The material used in our ADB® Heavy Duty® Hoist Ring Components is AISA-SAE 4140 or equivalent and conforms to AMS-6382 and ASTM A 322.

### CHEMICAL ANALYSIS

Carbon	.38/.43	Silicon	.15/.35
Manganese	.60/.85	Chromium	.90/1.20
Phosphorus	.030/Max	Molybdenum	.15/.30
Sulfur	.030/Max		

ADB® Heavy Duty® Hoist Rings are designed with 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® Heavy Duty® Hoist Rings are designed to exceed the following military specifications and ASME 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® Heavy Duty® Hoist Rings is Black Oxide coated.
- ADB® Heavy Duty® Hoist Rings are not exposed to any equipment or material known or suspected of having Mercury or Polychlorinated Biphenyls (PCB's).
- 100% of ADB® Heavy Duty® 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® Heavy Duty® Hoist Rings are heat treated to 36-48 Rc per MIL-H-6875.
- ADB® Heavy Duty® 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 inch screws conform to the requirements of ASTM A574-Standard Specification of Alloy Steel Socket Head Cap Screws.
- ADB® Heavy Duty® 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.
- Unique traceability number laser-marked on each unit for identification and tracking.
- Proof testing done on every center pull hoist ring lot manufactured.

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

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Benjie Bradshaw  
Vice President/General Manager