



## Certificate of Compliance

### ADB® EN-GUARD™ HOIST RINGS

ADB®'s QUALITY SYSTEM IS REGISTERED TO ISO 9001-2015

The material used in our ADB® En-Guard™ Hoist Ring components is AISI 4140 or equivalent and conforms to ASTM A322 & ASTM A108.

#### CHEMICAL ANALYSIS

Carbon	.38/.43	Silicon	.15/.35
Manganese	.75/1.00	Chromium	.80/1.10
Phosphorus	.035/Max	Molybdenum	.15/.25
Sulfur	.040/Max		

ADB® En-Guard™ 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® En-Guard™ 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® En-Guard™ Hoist Rings is electroless nickel plating per AMS-C-26074D, Class 1, Grade B. This standard requires hydrogen embrittlement relief baking.
- ADB® En-Guard™ Hoist Rings are not exposed to any equipment or material known or suspected of having mercury or polychlorinated biphenyls (PCB's).
- ADB® En-Guard™ Hoist Rings components are NDT inspected per ADB®'s Internal procedures in accordance with ASTM E1444 or ASTM E1417 (NAVSEA testing available upon request).
- ADB® En-Guard™ Hoist Rings are heat treated to 36-48 RC.
- ADB® En-Guard™ Hoist Rings critical, load bearing components are hardness tested for material, and heat treat verification.
- 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® En-Guard™ Hoist Rings are CE Certified and in conformity with the applicable essential Health and Safety requirements of Machinery Directive 2006/42/EC.
- Unique traceability number laser-marked on each unit for identification and tracking.
- Proof testing done on every standard En-Guard™ hoist ring manufactured.

Benjie Bradshaw  
Vice President/General Manager