



## CERTIFICATE of COMPLIANCE

### ADB® CADMIUM PLATED SAFETY ENGINEERED HOIST RINGS

ADB'S Quality Management System is registered to ISO 9001-2008

The material type C4-4140 used in ADB® Cadmium Plated Safety Engineered Hoist Ring components conform to the chemical requirements of Mil-S-5626, AMS-2301, ASTM A-331, 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® Cadmium Plated Safety Engineered 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® Safety Engineered Hoist Rings are designed to exceed the following military specifications and ASTM standards:

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| MIL-STD-1365 | General design criteria for handling equipment associated with weapons systems.    |
| MIL-STD-209J | 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. |

- ADB® Cadmium Plated Safety Engineered Hoist Rings are magnetic particle inspected prior to plating in accordance with ASTM E 1444.
- ADB's Cadmium Plated Safety Engineered Hoist Rings are not exposed to any equipment or material known or suspected of having Mercury or Polychlorinated Biphenyls (PCB's).
- ADB® Cadmium Plated Safety Engineered Hoist Rings are heat treated prior to plating to 36-48 Rc per MIL-H-6875.
- Screws and stud assemblies are produced from 180,000-PSI minimum tensile strength material.
- ADB® Cadmium Plated Safety Engineered Hoist Rings are Cadmium plated per QQP-416.

Benjie Bradshaw  
Vice President/General Manager

