

NAVSEA
STANDARD ITEM

FY-17

ITEM NO: 009-122 |
DATE: **30 JUL 2015** |
CATEGORY: I |

1. SCOPE:

1.1 Title: Temporary Padeye; install and remove

2. REFERENCES:

2.1 Standard Items

2.2 804-5184133, Padeye, Machinery Lifting

2.3 MIL-STD-1689, Fabrication, Welding, and Inspection of Ships
Structure

3. REQUIREMENTS:

3.1 Fabricate each temporary padeye and rigging attachment in accordance with 2.2 and 2.3.

3.1.1 Each temporary padeye for weight handling on surface ship and non-nuclear loads shall be designed with a safety factor of six, based on ultimate strength of materials for safe working load.

3.1.2 Submit one legible copy, in hard copy or approved transferrable media, of a report listing the design of each planned temporary padeye not in compliance with 2.2 for SUPERVISOR approval 7 days prior to planned installation. Include material specification, dimensional drawing(s), weld joint design, and installation location.

3.2 Install and inspect each temporary padeye in accordance with 2.2 and 2.3.

3.2.1 Inspect each temporary padeye and support structure for cracks and deformation prior to installation.

3.2.1.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 3.2 and 3.2.1 to the SUPERVISOR.

(I) "NONDESTRUCTIVE TESTING"

3.2.2 Accomplish the requirements of 009-12 of 2.1, including Table 2, Columns A, B, or C, lines one through seven.

3.2.3 Maintain a log of each temporary padeye installed to include a unique serial number, Safe Working Load, location by Compartment and approximate frame, date installed and date remove.

(I) "LOAD TEST"

3.3 Proof load test each temporary padeye in accordance with 2.2. Apply 200 percent static load, using weight(s) or a calibrated hydraulic device. Hold for 10 minutes plumb to the padeye.

3.3.1 Proof load testing is not required for steel padeyes 2000 lb or less safe working load, and aluminum padeyes 1500 lb or less safe working load.

(I) "VISUAL INSPECTION"

3.4 Accomplish a visual inspection of each padeye, attachment weld, and attachment point to ship's structure for deformation, elongation, and cracking. Allowable: None.

3.5 Upon completion of satisfactory testing and inspection, label padeye with paint, paint stick or other permanent marking. Include the padeye serial number, "T" for Temporary, and Safe Working Load (Example: NNN T SWL 2000 lbs).

3.6 Remove each temporary padeye at the conclusion of the work for which they were installed. Removal shall be in accordance with Section 14.10 of 2.3

3.6.1 Weld repair each temporary padeye removal site in accordance with Section 14.10 of 2.3.

(I) (G) "NONDESTRUCTIVE TESTING"

3.6.1.1 Accomplish the requirements of 009-12 of 2.1, including Table 2, Columns A, B, or C, lines one through seven.

3.6.1.2 Accomplish Magnetic Particle testing of the removal site for HY80/100 base materials weld repair

3.7 Accomplishment the requirements of 009-32 of 2.1 for new and disturbed surfaces.

3.8 Submit the log of 3.2.3 to the SUPERVISOR within 72 hours after removing all temporary padeyes, or prior to ship's departure, whichever occurs first.

4. NOTES:

4.1 Weight handling padeyes or devices which are proof-tested do not require inspection of welds by penetrant or magnetic methods unless otherwise specified.

4.2 This Standard Item is derived from S9AAO-AV-GOS-010, General Specifications for Overhaul of Surface Ships (GSO) Section 611.