

View Online at <https://aerobasegroup.com/nsn/5306-00-873-7844>

**Thread Class:**

3a

**Thread Direction:**

Right-hand

**Thread Length:**

Between 0.571 inches and 0.641 inches

**Fastener Length:**

Between 3.476 inches and 3.506 inches

**Head Style:**

Double hexagon extended washer

**Head Height:**

Between 0.494 inches and 0.514 inches

**Width Between Flats:**

Between 0.556 inches and 0.565 inches

**Extended Washer Diameter:**

Between 0.818 inches and 0.828 inches

**Extended Washer Thickness:**

Between 0.113 inches and 0.133 inches

**First Diameter From Head:**

Between 0.4985 inches and 0.4995 inches

**Second Diameter From Head:**

Between 0.420 inches and 0.430 inches

**Distance From Largest Bearing Surface Of Head To End Of First Diameter:**

Between 2.590 inches and 2.610 inches

**Distance From Largest Bearing Surface Of Head To End Of Second Diameter:**

Between 2.865 inches and 2.905 inches

**Thread Diameter:**

0.500 inches

**Thready Qty Per Inch (tpi):**

20

**Min. Tensile Strength (psi):**

180000 pounds per square inch

**Hardness Rating:**

39.0 rockwell c and 43.0 rockwell c

**Externally Relieved Body Diameter Quantity:**

2

**Special Features:**

Cadmium plate 0.0002 in. Min, 0.0004 in. Maximum thk

**Material:**

Steel comp e4340 or steel comp 4140 or steel comp 8740 or steel comp 8735 or steel comp 6150 or steel comp 4340

**Material Specification:**

Mil-s-5000 military specification 1st material response or mil-s-5626 military specification 2nd material response or mil-s-6049 military specification 3rd material response or mil-s-6098 military specification 4th material response or mil-s-8503 military specification 5th material response

**Surface Treatment:**

Cadmium

**Test Data Document:**

81349-mil-i-6868 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

**Thread Series Designator:**

Unf

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A003b0

**Mil-std (military Standard):**

Mil-s-5000 spec.