

View Online at <https://aerobasegroup.com/nsn/5305-01-614-8507>

**Thread Class:**

2a

**Thread Direction:**

Right-hand

**Thread Length:**

Between 0.490 inches and 0.590 inches

**Fastener Length:**

Between 1.090 inches and 1.110 inches

**Head Style:**

Hexagon

**Bottom Countersink Diameter:**

Between 0.050 inches and 0.060 inches

**Handle Length:**

Between 0.470 inches and 0.490 inches

**Handle Diameter:**

Between 0.548 inches and 0.550 inches

**Head Height:**

Between 0.320 inches and 0.330 inches

**Width Between Flats:**

Between 0.740 inches and 0.750 inches

**Shoulder Diameter:**

0.548 inches and 0.550 inches all shoulders

**Shoulder Length:**

0.490 inches and 0.590 inches all shoulders

**End Application:**

Howitzer, light towed, 105mm, m119a1

**Width Across Flats:**

Between 0.180 inches and 0.181 inches

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

13

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

125 pounds per square inch

**Hardness Rating:**

36.0 rockwell c

**Minimum Yield Strength:**

109 pounds per square inch

**External Thread Tolerance Class:**

2a

**Shoulder Shape:**

Round all shoulders

**Product Name:**

Bolt, shoulder

**Special Features:**

Drive hole is head 0.180-0.181 min-max diameter inch

**Material:**

Steel

**Material Specification:**

Astm a354, grade bc assn standard single material response or astm a322 assn standard single material response or astm a108 assn standard single material response

**Surface Treatment:**

Paint

**Surface Treatment Specification:**

Mil-std-171 military standard single treatment response

**Thread Series Designator:**

Unc

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A003b0

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

Mil-std-171 spec.