

View Online at <https://aerobasegroup.com/nsn/5306-01-616-3160>

**Thread Class:**

3a

**Thread Direction:**

Right-hand

**Thread Length:**

0.492 inches

**Fastener Length:**

1.137 inches

**Head Style:**

Double hexagon w/hole

**Head Height:**

Between 0.290 inches and 0.310 inches

**Width Between Flats:**

0.3125 inches

**Extended Washer Diameter:**

Between 0.428 inches and 0.438 inches

**Extended Washer Thickness:**

Between 0.059 inches and 0.079 inches

**Hole Diameter:**

Between 0.032 inches and 0.042 inches

**Grip Diameter:**

Between 0.2485 inches and 0.2495 inches

**End Application:**

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**Thread Diameter:**

0.2500 inches

**Grip Length:**

Between 0.615 inches and 0.635 inches

**Hole Quantity:**

4

**Hole Type:**

Drilled

**Features Provided:**

Dry film lubricant

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

28

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

180000 pounds per square inch

**Hardness Rating:**

39.0 rockwell c and 43.0 rockwell c

**Hole Configuration Style:**

Round longitudinal hole

**Surface Finish:**

32.0 microinches bearing surface of head

**Product Name:**

Bolt, machine

**Special Features:**

Item is altered from ms21250h04010 with dry film lubricant 5191127 applied to all surfaces except omit from threads; surface roughness is 32 microinches on shank and bearing surface of head, all other surfaces are 125 microinches

**Material:**

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

**Material Specification:**

Ams6382 national std/spec 1st material response or ams-s-5000 or ams6484 national std/spec 2nd material response or ams6415 national std/spec 3rd material response or ams6322 or 6150 national std/spec 4th material response or ams6448 national std/spec 5th material response

**Surface Treatment:**

Cadmium

**Surface Treatment Specification:**

Qq-p-416, type ii, class 2 federal specification single treatment response

**Thread Series Designator:**

Unjf

**Specification Data:**

80205-nas-21250 professional/industrial association standard

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

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