

View Online at <https://aerobasegroup.com/nsn/5306-01-642-7983>

**Thread Class:**

3a

**Thread Direction:**

Right-hand

**Thread Length:**

0.813 inches

**Fastener Length:**

Between 2.3605 inches and 2.3905 inches

**Head Style:**

Double hexagon extended washer

**Head Height:**

Between 0.420 inches and 0.440 inches

**Width Between Flats:**

Between 0.637 inches and 0.651 inches

**Extended Washer Diameter:**

Between 0.818 inches and 0.828 inches

**Extended Washer Thickness:**

Between 0.113 inches and 0.133 inches

**Grip Diameter:**

Between 0.4981 inches and 0.4995 inches

**Single Shear Strength:**

125000 pounds per square inch

**Thread Diameter:**

0.500 inches

**Grip Length:**

Between 1.5525 inches and 1.5725 inches

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

20

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

220000 pounds per square inch

**Surface Finish:**

32.0 microinches threads

**Product Name:**

Bolt, 12 point head, 220 ksi min tensile, 125 ksi min shear, nickel alloy 71 ( and oversize)

**Special Features:**

Fatigue low load is 1960 and fatigue high load is 19600; service temperature is 350 degrees f; head to be marked with part number configuration iaw bacb30us standard

**Color:**

Black threads

**Material:**

Nickel alloy 718

**Material Specification:**

Ams5662 or 5962 national standard single material response

**Surface Treatment:**

Aluminum

**Surface Treatment Specification:**

Aluminum pigmented coating iaw bms10-85, type i mfr ref single treatment response

**Thread Series Designator:**

Unjf

**Specification Data:**

81205-bacb30us manufacturers standard

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fig:**

A003b0