

AS3308

Technical drawing of a hexagonal bolt with various dimensions and callouts.

Dimensions and Callouts:

- Head Dimensions:**
 - Hexagonal head diameter: $\phi .502$ HEX
 - Head thickness: $.171$ (top), $.156$ (bottom)
 - Head width: $.561$ MIN
 - Head chamfer: $.026$ OR CHAMFER
 - Head chamfer radius: $.025$ R
 - Head chamfer angle: 32°
- Thread Dimensions:**
 - Thread diameter: $\phi .239$ (top), $\phi .219$ (bottom)
 - Thread length: $.290$ (top), $.280$ (bottom)
 - Thread chamfer: $.003$ X L
 - Thread chamfer angle: 45° APPROX
 - Thread chamfer radius: $.006$
 - Thread chamfer angle: 32°
- Section A-A:**
 - Section A-A: $.3125-24$ UNJF-3A MIL-G-8879
 - Section A-A: $.32$
 - Section A-A: $.250$
- View A Enlarged:**
 - View A Enlarged: $\phi .510$ MAX
 - View A Enlarged: $\phi .460$ MIN BEARING SURFACE
- Material and Specification:**
 - $.3125-24$ UNJF-3A MIL-G-8879
- Notes:**
 - NOTE 1: CHAMFER 10° TO 20° TO $\phi .490 - .510$
 - NOTE 2: MARK PART NO. AND MANUFACTURERS IDENTIFICATION PER AS 478 CLASS A

1. FOR PART NUMBERS AS3308-04 THRU AS3308-19 THE THREAD PD SHALL REPLACE DATUM -B-.
2. MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY AMS 5708.
3. MANUFACTURING SPECIFICATION: AMS 7471.
4. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
5. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36-1978; REQUIREMENTS PER ANSI B46.1-1978. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra. EXCEPT UPSET HEAD TO BE 250 MICROINCHES Ra.
6. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGULAR DIMENSIONS $\pm 5^\circ$
8. DIMENSIONS AND TOLERANCING ANSI Y14.5-1973.
9. DO NOT USE UNASSIGNED PART NUMBERS.

SAE Aerospace
An SAE International Group

BOLT, MACHINE - HEXAGON HEAD, PD SHANK,
AMS 5708, .3125-24 UNJF-3A

ISSUED 1985-08 REAFFIRMED 2006-10