

AN176-31 - BOLT, CLOSE TOLERANCE, NSN: 5306-00-151-1517, NIIN: 1511517

## Description

# AN176-31 - BOLT, CLOSE TOLERANCE

**NSN: 5306-00-151-1517, NIIN: 1511517**

New Surplus, Sold Per Each

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*A close tolerance bolt is a type of precision fastener manufactured to strict dimensional tolerances, ensuring a tight fit in high-stress or critical applications. These bolts are designed to minimize movement or play in the bolted joint, providing enhanced alignment and structural integrity.*

## Specifications

**Head Style:** Hexagon

**Hole Configuration Style:** Hexagon Flats

**Hole Type:** Drilled

**Surface Finish:** 63.0 Microinches - *Bearing Surface Of Head*

**Surface Finish:** 63.0 Microinches - *Grip*

**Surface Treatment:** Cadmium And Chromate

**Material:** Steel

**Fastener Length:** 3.203" *nom*

**Grip Diameter:** 0.3737" *min* - 0.3742" *max*

**Grip Length:** 2.562" *nom*

**Head Height:** 0.203" *min* - 0.235" *max*

**Head Surface To Shank Hole Center:** 3.000" *nom* - *First Hole*

**Hole Diameter:** 0.070" *nom*

**Shank Unthreaded Hole Diameter:** 0.106" *nom* - *First Hole*

**Tensile Strength** *min:* 125000 psi

**Width Between Flats:** 0.553" *min* - 0.565" *max*

**Thread Class:** 3A

**Thread Diameter:** 0.375"

**Thread Direction:** Right-Hand

**Thread Quantity Per Inch:** 24

**Thread Series Designator:** Unf

**Hole Quantity:** 1

**Part Number:** AN176-31

**Unpunctuated:** AN17631

**NSN:** 5306-00-151-1517

**NIIN:**

1511517

**Potential Alternates:** 86T31, AN176H31, B6812, B6812A

**Replaces Cancelled NSN:** 5306-00-180-0513

*AN standards, originally developed by the U.S. Army and Navy, cover a variety of components such as bolts, nuts, and fittings, ensuring compatibility and reliability in military and aerospace systems.*

**New Surplus:** *These parts are classified as new and unused, meaning they have not been installed or placed into service. However, they come without traceability or original manufacturer certifications, which might be required for certain high-level regulatory uses. Our company provides its own Certificate of Conformance (CoC) as a statement of assurance that the parts are in good working condition and have been sourced from reliable channels. These are ideal when the focus is on cost-effectiveness without compromising on quality.*

**Sold Per Each:** *This item is sold individually, with the price listed for a single unit. Perfect for purchasing the exact quantity needed without the requirement to buy in bulk. For larger quantities, consider reviewing any available bulk pricing options.*

**Product Testing:** *Every product is inspected for accuracy, quality, and functionality before shipping to meet our high standards.*

**Alternate Part Numbers:** *Due to the nature of ever-evolving part numbering structure, multiple part numbers may meet the same specifications and performance standards. If only an alternate part number is available, we will contact you to confirm compatibility. We strongly recommend consulting the appropriate repair manuals to ensure accuracy before using an alternate part.*

**Date**

2025/04/17

**Meta Fields**

**Regular Price :** 22.36 **Stock :** 7