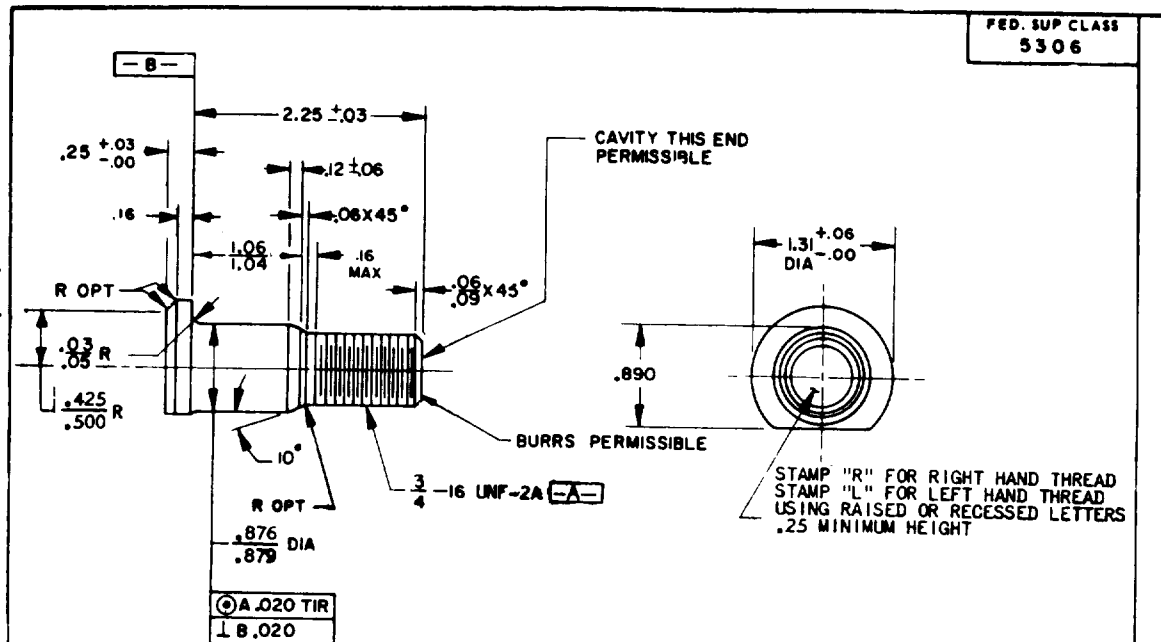


REVIEW ACTIVITY: DSA-IS :ARMY-MI
USER ACTIVITIES: ARMY-EL, ME, WC



NOTES:

1. STEEL ALLOY 4135, 4137, 4140, 5135, 5140, 8637, 8640, 8740 PER ASTM A322 OR 4135, 4137, 4140, 8637, 8640, 8740 PER ASTM A547 OR 4135, 4137, 4140, 5135, 5140, 8637, 8640, 8740 PER MIL-S-46172 FORGING GRADE D.
2. HEAT TREAT: HARDEN AND TEMPER TO CORE HARDNESS OF BRINELL 223-277. RESTORE SURFACE CARBON IF NECESSARY TO PRODUCE A SURFACE HARDNESS OF 15N-78-84 OR EQUIVALENT. HEAT TREATMENT SHALL NOT BE ACCOMPLISHED IN PRESENCE OF NITROGEN COMPOUNDS.
3. PROTECTIVE FINISH: ZINC PLATE PER QQ-Z-325, TYPE 11, CLASS 2, OR CADMIUM PLATE PER QQ-P-416, TYPE 11, CLASS 2.
4. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H28, PD TO BE MEASURED AFTER ANY NICKS AND BURRS ARE REMOVED.
5. DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .010$ ON DECIMALS, $\pm 1^\circ$ ON ANGULAR DIMENSIONS.
6. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
7. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
8. MARKING SHALL CONSIST OF M.S. PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

MS PART NO.	FORMER PART NO.	THREAD
MS 51949-1	501827	LH
MS 51949-2	501826	RH

P. A. ARMY-AT	TITLE	MILITARY STANDARD
Other Cust	BOLT, SHOULDER: WHEEL MOUNTING, SINGLE END, KEYED HEAD	MS 51949 (AT)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES 501826, 501827	SHEET 1 OF 1

This military standard is approved by the U. S. Army Tank-Automotive Command, Department of the Army, and shall be used by that activity. All other military activities are required to employ this standard where suitable.

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-A107

APPROVED 8 AUGUST 1963 REVISED 11 MAY 1971 27 MAY 1976