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<b>REV. A</b>
<b>AS28889</b>

FEDERAL SUPPLY CLASS  
4820

RATIONALE

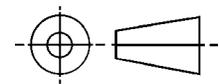
MIL-PRF-6164 IS STILL THE MOST CURRENT AND ACTIVE SPEC FOR THESE VALVES. AS28889 WAS BROUGHT INTO A-6 WHEN MS28889 WAS CANCELLED/INACTIVATED AS A DIRECT CONVERSION. THERE WAS ALSO INDICATION THAT MIL-PRF-6164 WAS ALSO GOING TO BE CANCELLED BUT THAT DID NOT OCCUR. SINCE THE MIL-PRF-6164 WAS NOT CANCELLED, THE PANEL VOTED TO NOT HAVE DUPLICATE SPECIFICATIONS AND MIL-PRF-6164 WAS BETTER THAN THE CURRENT AS28889.

CANCELLATION NOTICE

THIS DOCUMENT HAS BEEN DECLARED "CANCELLED" AS OF FEBRUARY 2008. BY THIS ACTION, THIS DOCUMENT WILL REMAIN LISTED IN THE NUMERICAL SECTION OF THE AEROSPACE STANDARDS INDEX.

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THIRD ANGLE PROJECTION



ISSUED 1999-03 CANCELLED 2008-02

PREPARED BY COMMITTEE A-6		PROCUREMENT SPECIFICATION: MIL-V-6164	
	<b>AEROSPACE STANDARD</b>		<b>AS28889</b> SHEET 1 OF 5
	VALVE, AIR, HIGH PRESSURE CHARGING, 5000 PSI		

REV.  
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AS28889

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS28889L, NOTICE 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS28889L, NOTICE 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

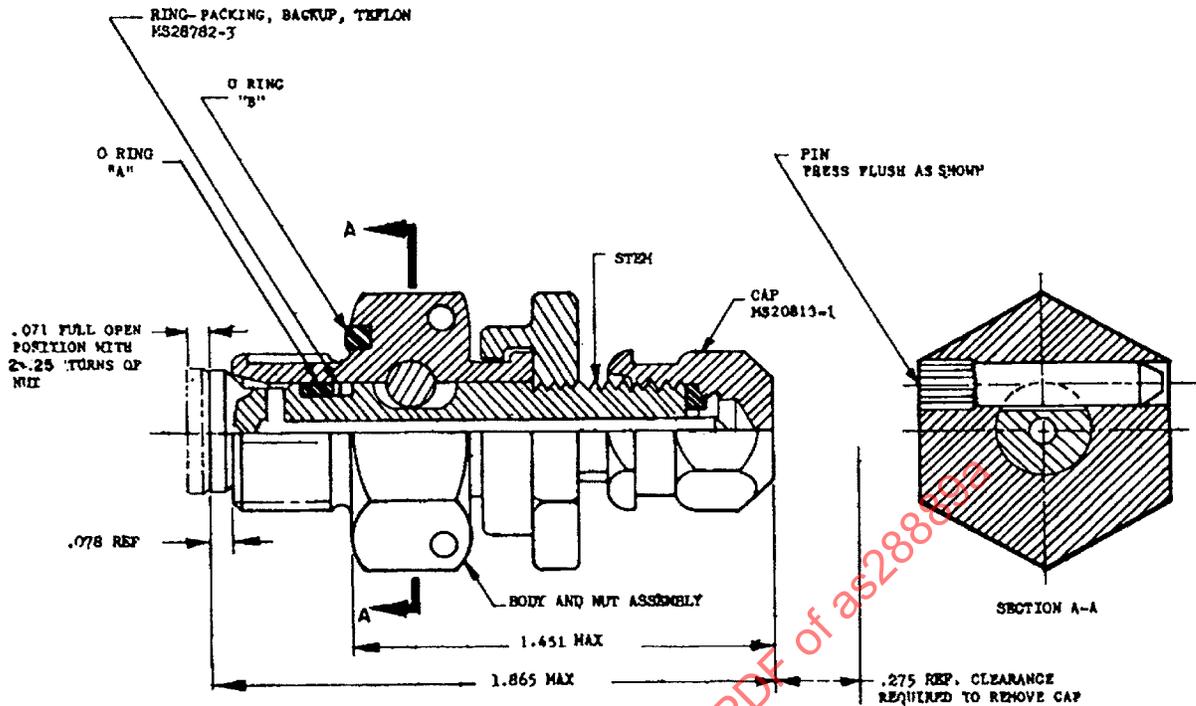
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

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MS PART NO	O-RING A	O-RING B
MS28889-1	MS28775-008	MS28775-015
MS28889-2	MS28775-008	MS28775-015

For New Design and Procurement use MS 28889-2

MS 28889-2 CAN REPLACE MS 28889-1, BUT MS 28889-2 CANNOT BE USED IN APPLICATIONS SPECIFYING MS 28889-2 EXCEPT IN INSTANCES WHERE THE ENVIRONMENT FOR THE APPLICATION IS BELOW 160°F. REQUISITIONS FOR MS 28889-1 SHOULD CONTINUE TO BE FILLED WITH MS 28889-1 UNTIL THE STOCK IS EXHAUSTED AND THEN ISSUE MS 28889-2. REQUISITIONS FOR MS 28889-2 SHOULD BE FILLED WITH ONLY MS 28889-2.

MATERIAL: BODY, NUT AND STEM: CORROSION RESISTANT STEEL, AMS 5640 AND AMS 5641, CLASS 303 OR 303SE.  
PIN RETAINER: CORROSION RESISTANT STEEL, AMS 5613 AND AMS 5610, CLASS 410 OR 416.

HEAT TREAT: PIN RETAINER: 160,000 TENSILE STRENGTH (APPROXIMATELY), ROCKWELL C-36 TO C-40.

PASSIVATE: PIN RETAINER: SOLUTION, 18 TO 22 PERCENT NITRIC ACID (WT), 1.50 TO 2.50 PERCENT SODIUM DICHROMATE AT 110° TO 120°F FOR 15 TO 30 MINUTES, WASH IN WATER.

REMOVE ALL BURRS AND SHARP EDGES.

FINISH: BODY, NUT, PIN RETAINER: ALL MACHINED SURFACES 125 RHR MAX, STANDARD ANSI B46.1, UNLESS OTHERWISE SPECIFIED.  
STEM: ALL SURFACES 125 RHR MAX, STANDARD ANSI B46.1, UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005, ANGLES ±.50°.

MAXIMUM WORKING PRESSURE: 5,000 PSI.

ASSEMBLY SHALL BE FURNISHED WITH CAP, MS20813-1.

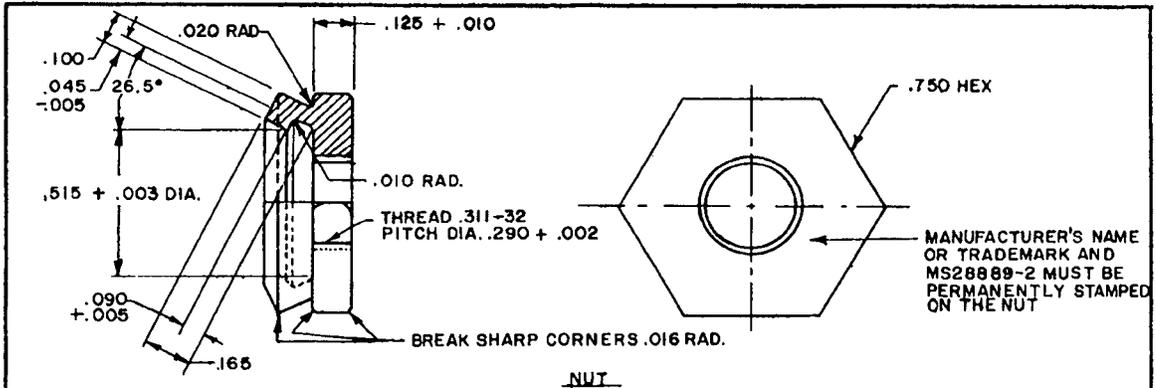
FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENTS ASCC AIR STD 25/35 & 25/36. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIANS WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.

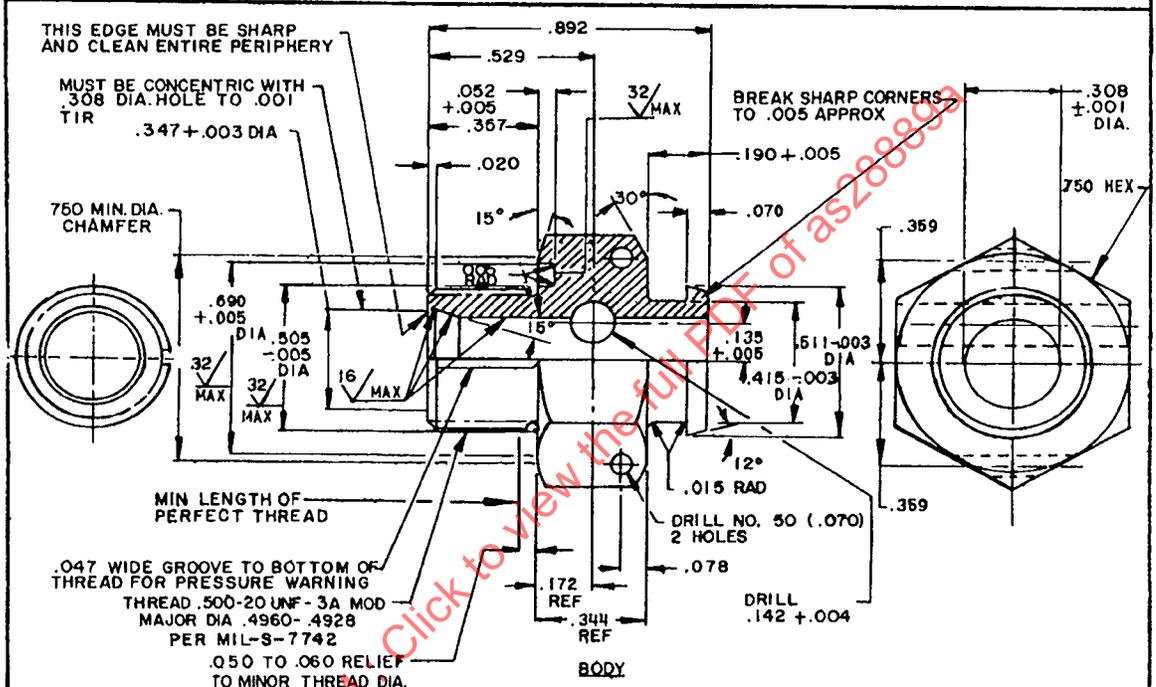
RECLAIMED MATERIALS. THE USE OF RECLAIMED MATERIALS SHALL BE ENCOURAGED TO THE MAXIMUM EXTENT POSSIBLE.

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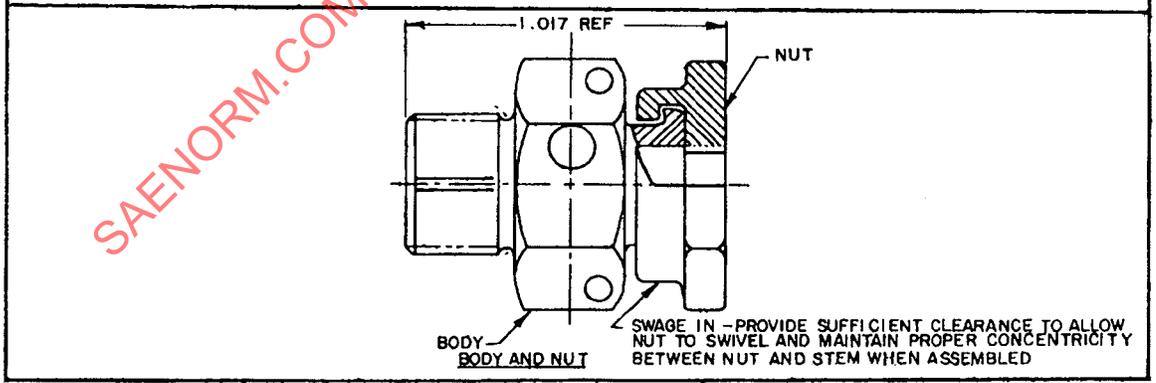
AS28889



NUT



BODY



AEROSPACE STANDARD

VALVE, AIR, HIGH PRESSURE CHARGING, 5000 PSI

AS28889  
SHEET 4 OF 5

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