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This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

User activities:

Army - ME, MJ
Navy - AS
USAF - 11.82

Review activities:

<p>PERMANENT BAND CARRYING THE FOLLOWING MARKING:</p> <p>MS PART NO. MFR. NAME OR TRADEMARK HOSE MFR. FED. SUPPLY CODE NO. OPERATING PRESSURE 3000 P.S.I. PRESSURE TEST SYMBOL "PT" DATE OF HOSE ASS'Y, MFR. EXPRESSED IN TERMS OF MONTH AND YEAR</p> <p>ANGLE ORIENTATION MEASURED IN DEGREES COUNTER-CLOCKWISE</p> <p>TOLERANCE : $\pm 2^\circ$ FOR ALL HOSE LENGTHS</p>				<p>FED. SUP. CLASS 4720</p>																																																			
<table border="1"> <thead> <tr> <th rowspan="2">DASH NO.</th> <th rowspan="2">CODE LETTER</th> <th rowspan="2">TUBING O.D. REF.</th> <th rowspan="2">HOSE I.D. REF.</th> <th colspan="2">"8" REACH (")</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> </thead> <tbody> <tr> <td>-4</td> <td>E</td> <td>1/4</td> <td>7/32</td> <td>.660</td> <td>.956</td> </tr> <tr> <td>-6</td> <td>G</td> <td>3/8</td> <td>5/16</td> <td>.910</td> <td>1.196</td> </tr> <tr> <td>-8</td> <td>H</td> <td>1/2</td> <td>7/16</td> <td>1.063</td> <td>1.520</td> </tr> <tr> <td>-10</td> <td>J</td> <td>5/8</td> <td>9/16</td> <td>1.400</td> <td>1.940</td> </tr> <tr> <td>-12</td> <td>K</td> <td>3/4</td> <td>1 1/16</td> <td>1.550</td> <td>2.180</td> </tr> <tr> <td>-16</td> <td>M</td> <td>1</td> <td>7/8</td> <td>1.854</td> <td>2.500</td> </tr> <tr> <td>-20</td> <td>N</td> <td>1 1/4</td> <td>1 1/8</td> <td>2.453</td> <td>2.578</td> </tr> </tbody> </table>						DASH NO.	CODE LETTER	TUBING O.D. REF.	HOSE I.D. REF.	"8" REACH (")		MIN	MAX	-4	E	1/4	7/32	.660	.956	-6	G	3/8	5/16	.910	1.196	-8	H	1/2	7/16	1.063	1.520	-10	J	5/8	9/16	1.400	1.940	-12	K	3/4	1 1/16	1.550	2.180	-16	M	1	7/8	1.854	2.500	-20	N	1 1/4	1 1/8	2.453	2.578
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<p>SWIVEL NUTS MUST HAVE HEX DIMENSIONS IN ACCORDANCE WITH MS21921, AND MUST BE INCAPABLE OF BEING REMOVED FROM THE FITTING ASSEMBLY.</p> <p>A TRUE CIRCULAR CROSS SECTION IS NOT REQUIRED WITHIN THE ANGLE OF THE BEND OF THE END FITTING, HOWEVER, A BALL .031 INCH SMALLER THAN THE STRAIGHT TUBE I.D. MUST PASS THROUGH THE ENTIRE TUBE AFTER BENDING.</p> <p>FITTING END TO MATE WITH MS 33514.</p> <p>HOSE ASSEMBLIES TO BE SPECIFIED AS :</p> <p>12 INCHES LONG AND UNDER--INCREMENTS NOT LESS THAN 1/8 INCH (TOLERANCE $\pm 1/8$ INCH)</p> <p>12 INCHES TO 18 INCHES LONG--INCREMENTS NOT LESS THAN 1/4 INCH (TOLERANCE $\pm 1/8$ INCH)</p> <p>18 INCHES TO 36 INCHES LONG--INCREMENTS NOT LESS THAN 1/2 INCH (TOLERANCE $\pm 1/4$ INCH)</p> <p>OVER 36 INCHES LONG--INCREMENTS NOT LESS THAN 1 INCH (TOLERANCE $\pm 1\%$ OF LENGTH)</p> <p>THE PART NO. SHALL BE FORMULATED TO REFLECT THE BASE ASSEMBLY NUMBER, SIZE, LENGTH AND ANGLE.</p>																																																							
<p>Ⓔ CANCELLED - FOR PROCUREMENT USE AS120 AND AS626</p>																																																							
<p>P. A. USAF-II Other Cust: Army - ME Navy - AS</p>		<p>TITLE HOSE ASSEMBLY, TETRAFLUOROETHYLENE, HYDRAULIC AND PNEUMATIC, (3000 P.S.I.), ELBOW 90° TO ELBOW 90°, FLARELESS</p>		<p>MILITARY STANDARD MS27374</p>																																																			
<p>PROCUREMENT SPECIFICATION MIL-H-38360</p>		<p>SUPERSEDES:</p>		<p>SHEET 1 OF 2</p>																																																			

APPROVED 2 Apr 65 REVISED (A) 7 Dec 66 (B) 21 Nov 67 (C) 21 May 68 (D) 18 Aug 72 (E) 15 DEC 76 (F) 20 JUNE 1986

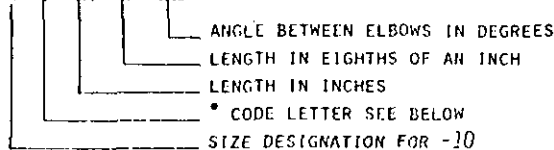
4720-0743

FED. SUP CLASS

4720

EXAMPLE OF PART NUMBER

MS 27374 J * 16 4 030



* ADD CODE LETTER BELOW FOR ADDITIONAL FEATURES (IF REQUIRED)

- "A" AS 1072-XX-SIL SLEEVE, FIRE PROTECTION (SILICONE) (-65°F (-54°C) THRU +500°F (+260°C)) SECURE WITH CRES BANDS AS REQUIRED
- "B" AS 1073-XX-A/B SLEEVE, HEAT SHRINKABLE (-65°F (-54°C) THRU +250°F (121°C)) (A DESIGNATES TRANSPARENT COVER FOR I.D. BANDS, ETC., MATERIAL IRRAADIATED POLYOLEFIN, NOT FLAME RESISTANT) (B DESIGNATES OPAQUE BLACK COVER FOR ABRASION PROTECTION, SELF-EXTINGUISHING IN FLAME)
- "C" AS 1291-XX-A/B SLEEVE, CHAFEGUARD, TFE (-65°F (-54°C) THRU +500°F (+232°C)) (A DESIGNATES WHITE EXTRUDED AND SEAMLESS) (B DESIGNATES BLACK EXTRUDED AND SEAMLESS) WITH CRES BANDS, AS REQUIRED
- "D" AS 1291-XX-C SLEEVE, CHAFE GUARD, FEP (-65°F (-54°C) THRU +350°F (+177°C)) (C DESIGNATES TRANSPARENT FEP) SECURE WITH CRES BANDS AS REQUIRED
- "E" AS 1291-XX SLEEVE, HEAVY WALL, CHAFE GUARD, TFE (-65°F (-54°C) THRU +450°F (+232°C)) SECURE WITH CRES BANDS
- "L" LOCKWIRE HOLE
- "F" CODE A + L
- "G" CODE B + L
- "H" CODE C + L
- "J" CODE D + L
- "K" CODE E + L

THE CUT ENDS OF THE FIRE PROTECTION SLEEVE (CODE 'A') SHALL BE COATED WITH RTV SILICONE RUBBER, PRIOR TO INSTALLATION TO PREVENT WICKING OF FLUIDS. AFTER INSTALLATION, CRACKS OR VOIDS IN THE FIRE PROTECTION SLEEVE, WHICH EXPOSE THE ASBESTOS, SHALL BE COATED WITH RTV RUBBER.

DIMENSIONS IN INCHES.

FOR DESIGN PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Review activities:

APPROVED 2 Apr 65 REVISED (A) 7 Dec 66 (B) 21 Nov 67 (C) 21 May 68 (D) 18 Aug 72 (E) 15 Dec 76 (F) 20 Jun 86

P.A. AIR FORCE - 11 Other Cust ARMY - ME NAVY - AS	TITLE HOSE ASSEMBLY, TETRAFLUOROETHYLENE HYDRAULIC AND PNEUMATIC, (3000 P.S.I.), ELBOW 90° TO ELBOW 90°, FLARELESS	MILITARY STANDARD MS 27374
PROCUREMENT SPECIFICATION MIL-H-33300	SUPERSEDES:	SHEET 2 OF