

MS27612K

Part or Identifying Number (PIN)	T Thread Size (see note 4)	B $\begin{matrix} +.003 \\ -.004 \\ (+0.08 \text{ mm} \\ -0.10 \text{ mm}) \end{matrix}$	C inch (mm)	D Dia. $\begin{matrix} +.002 \\ -.003 \\ (+0.05 \text{ mm} \\ -0.08 \text{ mm}) \end{matrix}$
MS27612-5	.5625-18UNJF-3A	.8130 (20.650 mm)	.083 $\begin{matrix} +.015 \\ -.000 \end{matrix}$.481 (12.22 mm)
MS27612-7 (see note 8)			$\left(\begin{matrix} 2.11 & +0.38 \\ & -0.00 \end{matrix} \right)$	
MS27618-7C (see notes 8 and 9)				
MS27612-6	.7500-16UNJF-3A	1.000 (25.40 mm)	.100 $\begin{matrix} +.009 \\ -.006 \end{matrix}$.660 (16.76 mm)
MS27612-8 (see note 8)			$\left(\begin{matrix} 2.54 & +.002 \\ & -.003 \end{matrix} \right)$	
MS27612-8C (see notes 8 and 9)				

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Dimensioning and tolerancing in accordance with ASME Y14.5M. Unless otherwise specified, tolerances for decimals $\pm .005$ inch (0.13 mm), angles $\pm 5^\circ$.
4. Thread T in accordance with SAE AS8879.
5. Surface texture: Symbols in accordance with ASME Y14.36, requirements in accordance with ASME B46.1. Unless otherwise specified, surfaces to be 150 μin R_a , except as noted.
6. This surface to be a smooth conical surface free from burrs, tool marks and visible flat spots. Annular tool marks will be allowed to 100 μin R_a maximum.
7. Remove sharp edges, burr and slivers.
8. MS27612-7, -7C, -8, and -8C adapters with safety wire holes are preferred for new design.
9. Suffix C is for corrosion resistant steel.
10. Marking of part shall be any permanent marking method that will not damage the part. The minimum character height shall be 1/16 inch (.0625 inch) (1.57 mm).

FIGURE 1. Adapter dimensions and configuration - Continued.

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REQUIREMENTS

Material:

Steel bar, type 1117 in accordance with ASTM A108, ASTM A575, ASTM A576 or steel bar type 12214 in accordance with SAE AMS-STD-66.

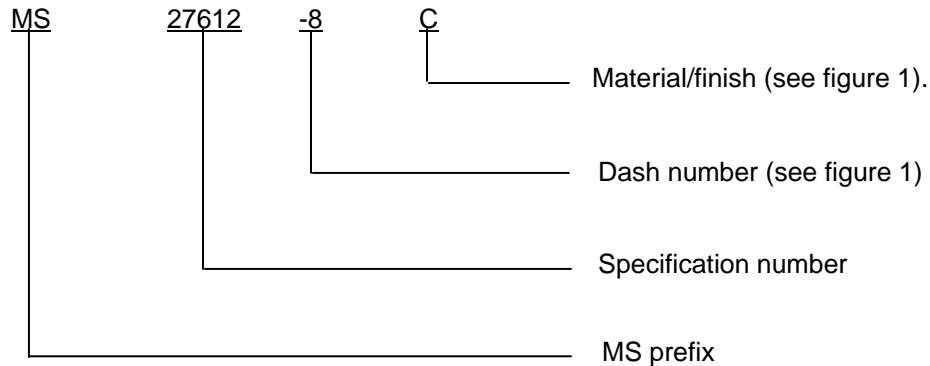
Corrosion resistant steel in accordance with SAE AMS5659, SAE AMS5862, or, alloy 15-5 PH in accordance with ASTM A564/A564M type XM-12 or UNS S15500.

Finish:

Corrosion resistant steel: Passivate in accordance with SAE AMS2700, type 6 or 7.

Carbon steel: Cadmium in accordance with SAE AMS-QQ-P-416, type II, class 3, 200 μ inches to 300 μ inches (5.08 μ m to 7.62 μ m) thick.

PIN example:



PIN examples:

MS27612-8 description size 8 carbon steel with cadmium finish adapter with safety wire holes.

MS27612-8C description size 8 corrosion resistant steel adapter with safety wire holes.

Guidance on use of alternative parts with less hazardous or non-hazardous materials. This specification provides for an alternate material, corrosion resistant steel, via the PIN. Users should select the PIN with the least hazardous material that meets the form, fit, and function requirements of their application.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

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Referenced documents. This document references the following:

ASTM A108	SAE AS8879
ASME B46.1	SAE AMS-QQ-P-416
ASME Y14.5M	SAE AMS-STD-66
ASME Y14.36	SAE AMS2700
ASTM A575	SAE AMS5659
ASTM A576	SAE AMS5862
ASTM A564/A564M	

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA-CC

(Project 4730-2006-159)

Review activities:

Army - AT
Navy - MC, SA
Air Force - 70, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.