

INCH-POUND

MS27623C  
14 October 2009  
SUPERSEDING  
MS27623B  
29 September 2000

DETAIL SPECIFICATION SHEET

SLEEVE, HOSE COUPLING

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83296.

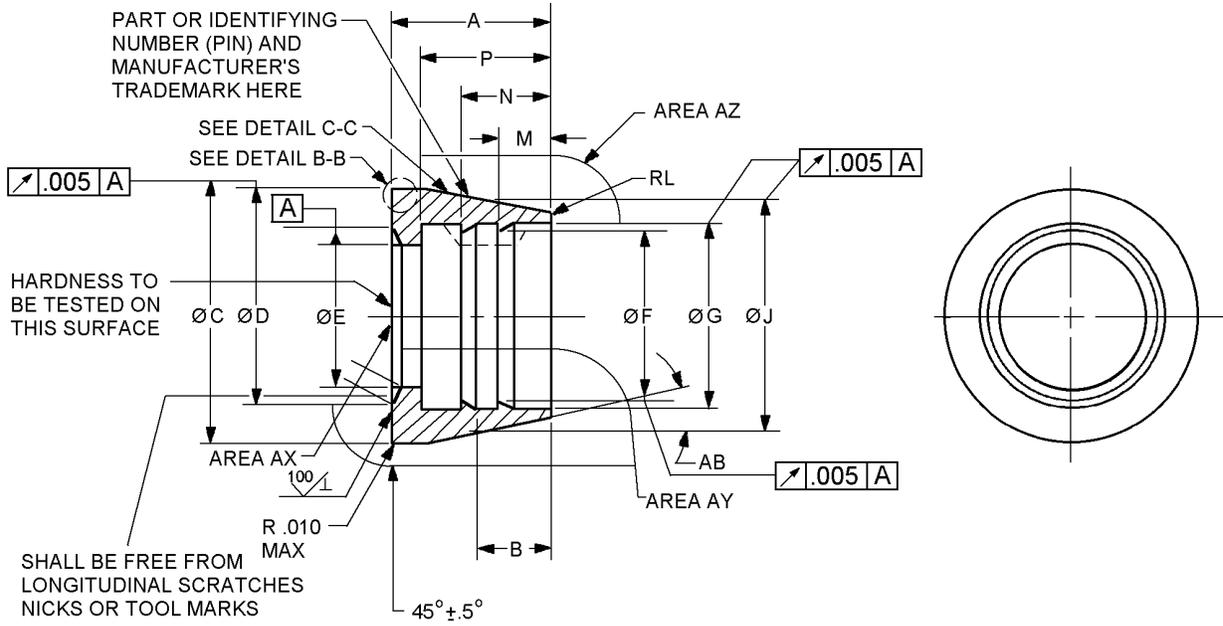
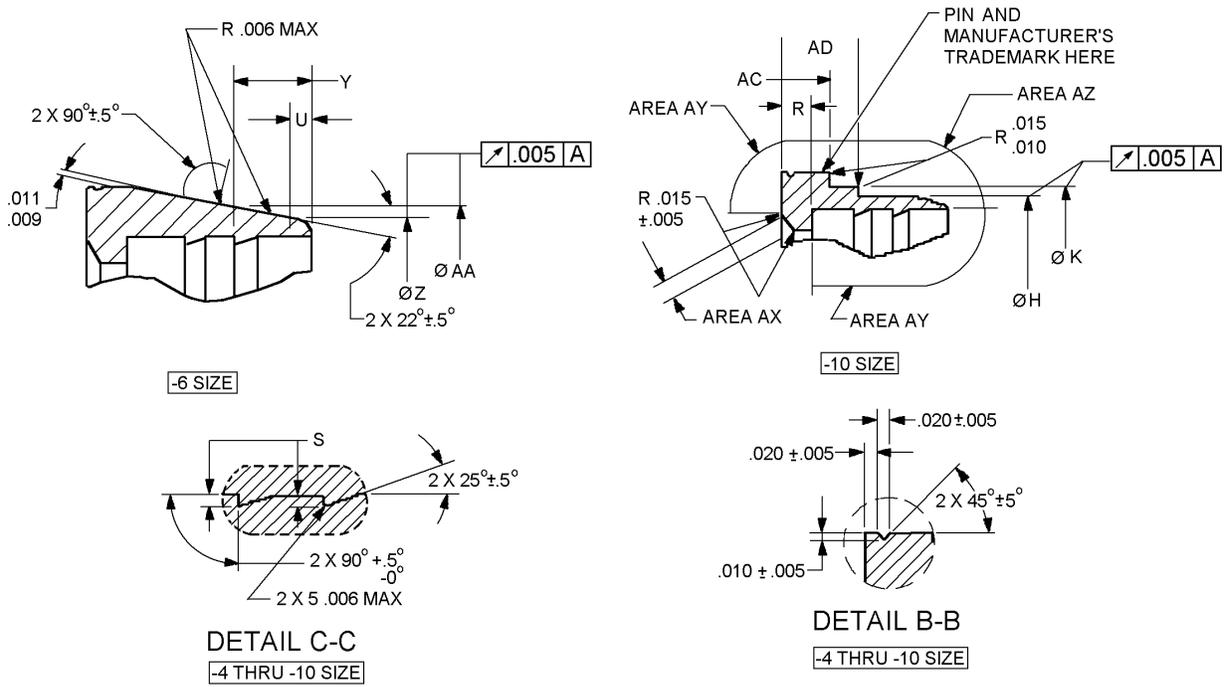


FIGURE 1. Sleeve dimensions and configuration.

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PIN	A ±.005 (0.13) inch (mm)	B Basic inch (mm)	C ±.005 (0.13) inch (mm)	D ±.005 (0.13) inch (mm)	E ±.005 (0.13) inch (mm)	F +.004 -.000 (+0.10) inch (mm)	G ±.005 (0.13) inch (mm)
MS27623-4C	.375 (9.53)	.1672 (4.25)	.490 (12.45)	.378 (9.60)	.265 (6.73)	.326 (8.28)	.361 (9.17)
MS27623-6C	.410 (10.41)	.2442 (6.20)	.625 (15.88)	.450 (11.43)	.353 (8.97)	.422 (10.72)	.446 (11.33)
MS27623-8C	.567 (14.40)	.2597 (6.60)	.735 (18.67)	.560 (14.22)	.460 (11.68)	.512 (13.00)	.546 (13.87)
MS27623-10C	.655 (16.64)	.0622 (1.58)	.870 (22.10)	.700 (17.78)	.597 (15.16)	.647 (16.43)	.685 (17.40)

FIGURE 1. Sleeve dimensions and configuration - Continued.

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PIN	H +.000 -.005 (-0.13) inch (mm)	J ±.003 (0.08) inch (mm)	K +.000 -.005 (-0.13) inch (mm)	L ±.005 (0.13) inch (mm)	M ±.005 (0.13) inch (mm)	N ±.005 (0.13) inch (mm)	P ±.005 (0.13) inch (mm)	R ±.005 (0.13) inch (mm)
MS27623-4C	-	.440 (11.18)	-	-	.085 (2.16)	.185 (4.70)	.275 (6.99)	-
MS27623-6C	-	.584 (14.83)	-	-	.100 (2.54)	.225 (5.72)	.300 (7.62)	-
MS27623-8C	-	.663 (16.84)	-	-	.260 (6.60)	.360 (9.14)	.460 (11.68)	-
MS27623-10C	.760 (19.30)	.740 (18.80)	.800 (20.32)	.012 (.30)	.222 (5.64)	.347 (8.81)	-	.104 (2.64)

PIN	S ±.002 (0.05) inch (mm)	U inch (mm)	Y inch (mm)	Z ±.003 (0.08) inch (mm)	AA ±.003 (0.08) inch (mm)	AB inch (mm)		AC ±.005 (0.13) inch (mm)	AD ±.005 (0.13) inch (mm)
MS27623-4C	.016 (0.41)	-	-	-	-	10°	±.25°	-	-
MS27623-6C		.0267 (0.678)	.1245 (3.162)	.502 (12.75)	.543 (13.79)	12°	±.25°	-	-
MS27623-8C		-	-	-	-	8°	±.50°	-	-
MS27623-10C		-	-	-	-	8°	±.50°	.193 (4.90)	.308 (7.82)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances shall be ±.005 inch (0.13 mm).
4. Radius or break all corners to .005 + .005/-0.000 inch, (0.13 +0.13/-0.00 mm) unless otherwise specified.
5. Unless otherwise specified, surface roughness, in accordance with ASME B46.1, shall not exceed 125 µin R<sub>a</sub>.
6. Dimensioning and tolerancing are in accordance with ASME Y14.5M.
7. In area AX, a dry-film lubricant shall be used as specified in SAE-AS5272. Dry film lubricant in area AY shall not be cause for rejection. Dry film lubricant shall not be allowed in area AZ.
8. All burrs and slivers shall be removed.

FIGURE 1. Sleeve dimensions and configuration - Continued.

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REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-83296 and figure 1, in case of conflict between this specification sheet and MIL-DTL-83296, this specification sheet shall govern.

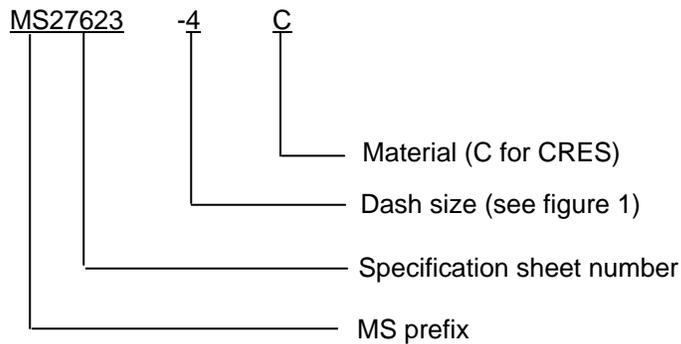
This part is a component of MS27616, MS27617, MS27618, MS27620, MS27621, MS27633, and MS27634. The item is only procured as an integral part of an adapter assembly.

Material: Material shall be corrosion resistant steel (CRES) alloy 17-4PH in accordance with SAE-AMS-5643.

Hardness: Hardness shall be Rockwell C 35 to 39 or Rockwell superficial hardness 30N-55.5 to N-58.5.

Finish: Finish shall be passivated as specified in MIL-DTL-83296.

PIN example:



PIN example: MS27623-4C indicates a sleeve 1/4 inch, CRES.

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

Referenced documents. In addition to MIL-DTL-83296, this document references the following:

MIL-DTL-83298	MS27633
MS27616	MS27634
MS27617	ASME Y14.5M
MS27618	ASME B46.1
MS27620	SAE-AMS-5643
MS27621	SAE-AS5272

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-2008-041)

Review activities:

Navy - MC, SA  
Air Force - 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>.