

MS27236B
14 May 2007

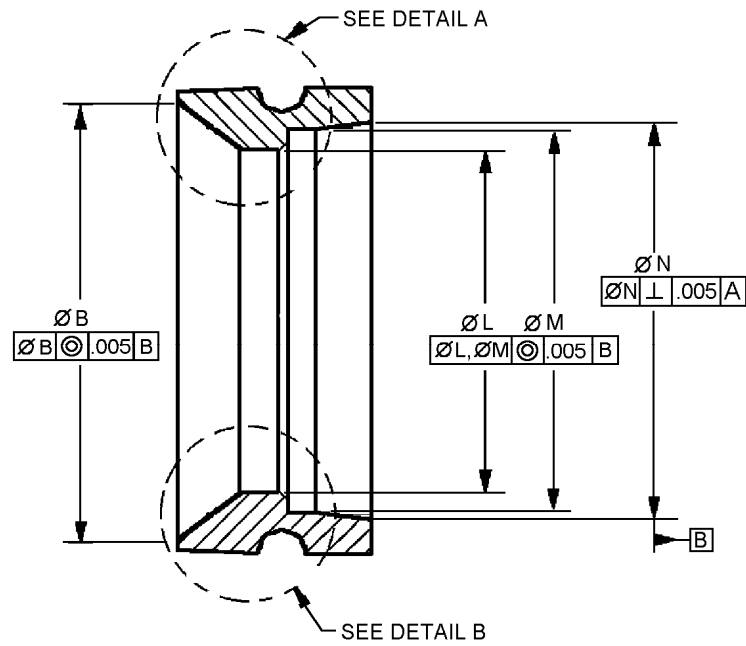
SUPERSEDING
MS27236A
22 September 2000

SHOULDER - DESIGNED FOR 45° AND 90° SWIVEL NUT,
HOSE TO TUBE ADAPTERS, REUSABLE,
HYDRAULIC, FUEL AND OIL LINES

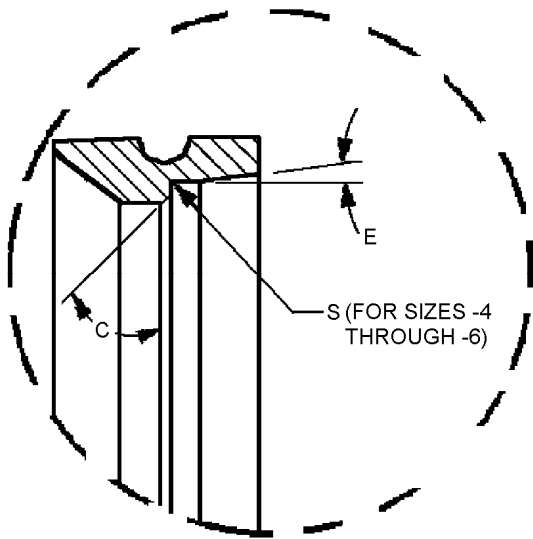
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5070.



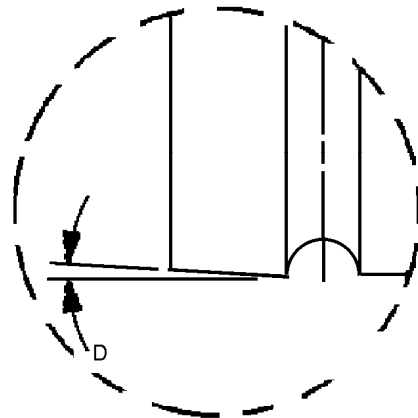
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SECTION T - T



DETAIL A



DETAIL B

FIGURE 1. Shoulder dimensions and configuration - Continued.

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Dash number	A ±.007 (0.18) inches (mm)	B Dia inches (mm)	C	D	E max	F inches (mm)	G (ref)	H inches (mm)	J inches (mm)	
-4	.344 (8.74)	.305 (7.75) .285 (7.24)	0°	0°	30°	.190 (4.83) .185 (4.70)	.156 (3.96)	.118 (3.00) .089 (2.26)	.076 (1.93)	
-5	.406 (10.31)	.365 (9.27) .345 (8.76)				.253 (6.43) .248 (6.30)			.086 (2.18)	
-6	.422 (10.72)	.445 (11.30) .425 (10.80)				.269 (6.83) .264 (6.71)				
-8	.437 (11.10)	.580 (14.73) .560 (14.22)	34°	2°	10°	.285 (7.24) .280 (7.11)	.156 (3.96)	.046 (1.17) .031 (.79)	.100 (2.54)	
-10	.500 (12.70)	.690 (17.53) .670 (17.02)		1.5°		.347 (8.81) .342 (8.69)				
-12	.531 (13.49)	.860 (21.84) .840 (21.34)				.284 (7.21) .279 (7.09)				.250 (6.35)
-16		1.118 (28.40) 1.088 (27.64)				.347 (8.81) .342 (8.69)				
-20	.594 (15.09)	1.425 (36.20) 1.395 (35.43)				.409 (10.39) .404 (10.26)				
-24	.656 (16.66)	1.640 (41.66) 1.610 (40.89)				.534 (13.56) .529 (13.44)	.046 (1.17) .031 (.79)			
-32	.781 (19.84)	2.255 (57.28) 2.225 (56.52)								

FIGURE 1. Shoulder dimensions and configuration - Continued.

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Dash number	K ±.002 (0.05) inches (mm)	L Dia inches (mm)	M Dia inches (mm)	N Dia inches (mm)	P Dia inches (mm)	Q Dia inches (mm)	S inches (mm)
-4	.129 (3.28)	.178 (4.52)		.254 (6.45) .251 (6.38)	.298 (7.57) .293 (7.44)	.384 (9.75) .379 (9.63)	.015 X 45° (0.38 X 45°) max. break
-5	.173 (4.39)	.209 (5.31)		.316 (8.03) .313 (7.95)	.346 (8.79) .341 (8.66)	.447 (11.35) .442 (11.23)	
-6	.196 (4.98)	.272 (6.91)		.379 (9.63) .376 (9.55)	.403 (10.24) .398 (10.11)	.504 (12.80) .499 (12.67)	
-8	.225 (5.72)	.365 (9.27)	.420 (10.67)	.504 (12.80) .501 (12.73)	.564 (14.33) .559 (14.20)	.684 (17.37) .679 (17.25)	.015 (.38) .010 (.25) radius
-10	.261 (6.63)	.490 (12.45)	.545 (13.84)	.629 (15.98) .626 (15.90)	.679 (17.25) .674 (17.12)	.800 (20.32) .795 (20.19)	
-12	.214 (5.44)	.615 (15.62)	.670 (17.02)	.754 (19.15) .751 (19.08)	.821 (20.85) .816 (20.73)	.972 (24.69) .967 (24.56)	
-16	.243 (6.17)	.865 (21.97)	.920 (23.37)	1.004 (25.50) 1.001 (25.43)	1.088 (27.64) 1.080 (27.43)	1.219 (30.96) 1.213 (30.81)	.030 (.76) radius
-20	.322 (8.18)	1.115 (28.32)	1.170 (29.72)	1.254 (31.85) 1.251 (31.78)	1.385 (35.18) 1.377 (34.98)	1.531 (38.89) 1.525 (38.74)	
-24	.338 (8.59)	1.329 (33.76)	1.295 (32.89)	1.504 (38.20) 1.501 (38.13)	1.638 (41.61) 1.630 (41.40)	1.781 (45.24) 1.775 (45.09)	
-32	.414 (10.52)	1.829 (46.46)	1.795 (45.59)	2.004 (50.90) 2.001 (50.83)	2.263 (57.48) 2.255 (57.28)	2.406 (61.11) 2.400 (60.96)	.015 (.38) .010 (.25) radius

FIGURE 1. Shoulder dimensions and configuration - Continued.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are for information only.
3. Unless otherwise specified, tolerances: angles $\pm 0.5^\circ$ Decimals + .000/ -.005 (+.00/-.13mm).
4. Break all corners, radius .010/.005 (.25/.01 mm).
5. All diameters shall be concentric within .010 inch (0.25 mm) total indicator reading.
6. Unless otherwise specified, maximum surface roughness shall be 125 μin R_a in accordance with ASME B46.1.
7. Break all sharp edges and remove all burrs and slivers.

FIGURE 1. Shoulder dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-5070 and figure 1 in case of conflict between this drawing and MIL-DTL-5070, this drawing shall govern.

Intended use. This part is a component of MS27223, MS27225, MIL-DTL-5070/1 and MIL-DTL-5070/2. This item shall not be procured for stocking purposes.

Materials: Materials shall be in accordance with MIL-DTL-5070.

Finish: Finish shall be in accordance with MIL-DTL-5070. Platings are applied after heat treats.

Color identification: Color identification shall be in accordance with MIL-DTL-5070.

Part or Identifying Number (PIN) example:

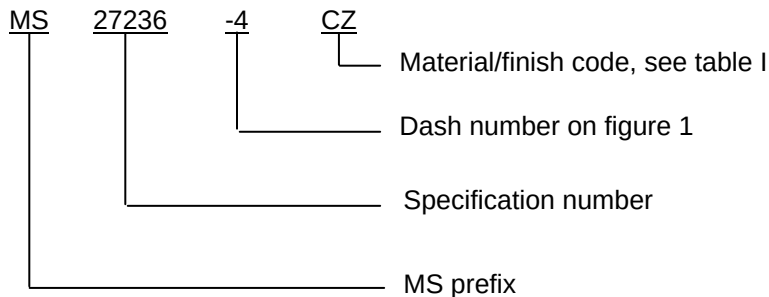


TABLE I. Code for material and finish.

Code	Dash size	Material/finish
CC	-4 through -6	Carbon Steel - cadmium plating
CZ	-4 through -6	Carbon steel - zinc plating
SS	-4 through -6	Corrosion resistant steel - N/A
AA	-8 through -32	Aluminum - anodic coating
TA	-4 through -32	Titanium - anodized or fluoride phosphated.

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. In addition to MIL-DTL-5070, this document references the following:

MIL-DTL-5070/1	ASME B46.1
MIL-DTL-5070/2	
MS27223	
MS27225	

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-2005-054)

Review activities:

Army - AV
Navy - MC, SA
Air Force - 11, 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>.