

INCH-POUND

MS27623B
29 September 2000
SUPERSEDING
MS27623A
30 April 1982

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.

REQUIREMENTS:

1. Sleeves shall be in accordance with figure 1 and table I.
2. Material shall be a corrosion resistant type steel (17-4PH) per SAE AMS 5643.
3. Finish shall be passivated as specified in the MIL-DTL-83296.
4. Hardness shall be Rockwell C 35 to 39 or 30N-55.5 to 58.5.
5. In area AX, a dry-film lubricant shall be used as specified in MIL-L-46010. Dry film lubricant in area AY shall not be cause for rejection. Dry film lubricant shall not be allowed in area AZ.
6. Radius or break all corners to $.005 + .005/-0.000$, unless otherwise specified.
7. All burrs and slivers shall be removed.
8. The surface roughness, in accordance with ASME B46.1, shall not exceed $125 \mu\text{in } R_a$, unless otherwise specified.
9. All tolerances shall be $\pm.005$, unless otherwise specified.
10. The part number and manufacturer's part number shall be marked in accordance with MIL-DTL-83296.

MS27623B

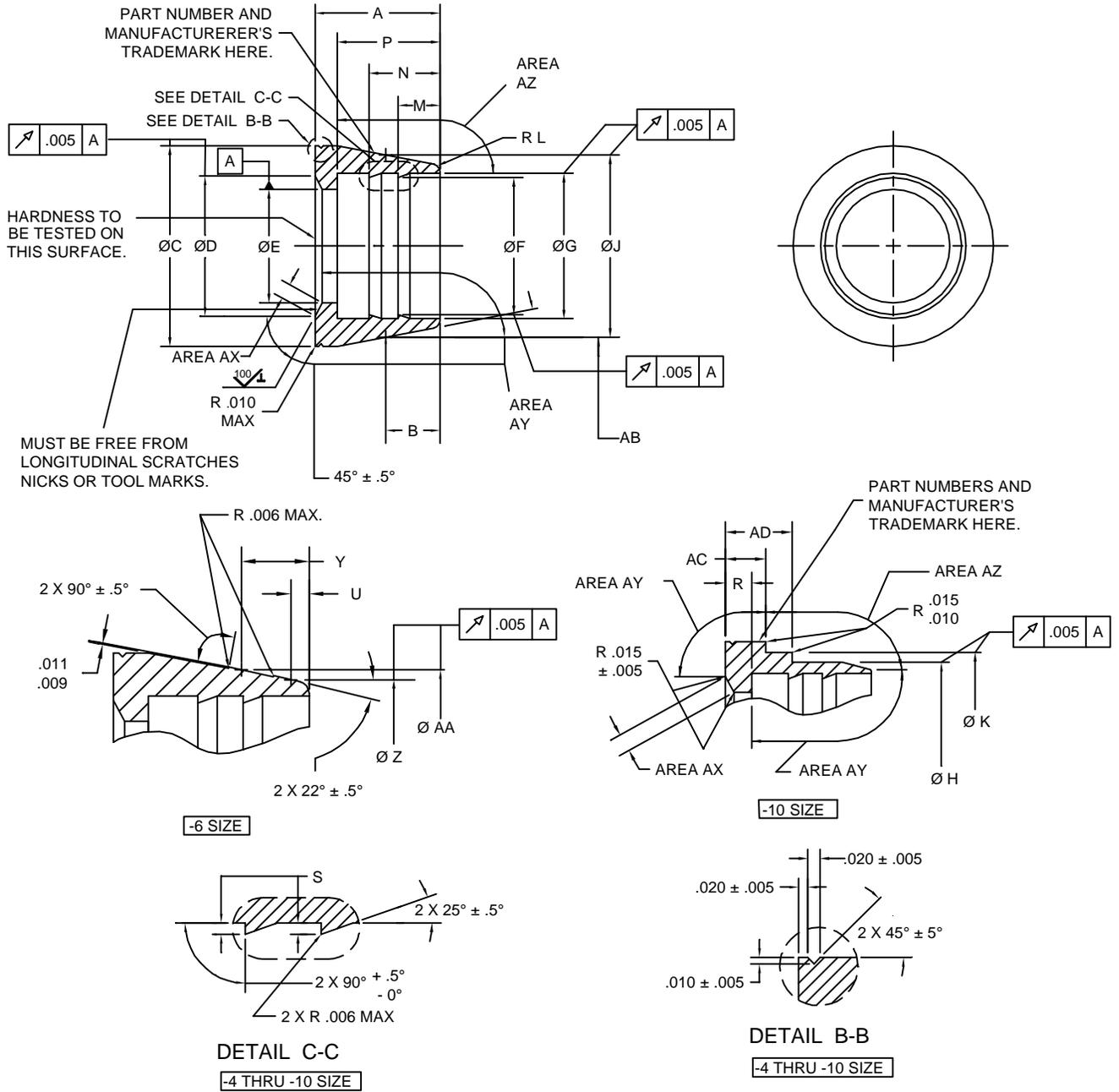


FIGURE 1. Sleeve.

MS27623B

TABLE I. Sleeve dimensions.

Part number	A ±.005	B Basic	C ±.005	D ±.005	E ±.005	F +.004 -.000	G ±.005
MS27623-4C	.375	.1672	.490	.378	.265	.326	.361
MS27623-6C	.410	.2442	.625	.450	.353	.422	.446
MS27623-8C	.567	.2597	.735	.560	.460	.512	.546
MS27623-10C	.655	.0622	.870	.700	.597	.647	.685

TABLE I. Sleeve dimensions - Continued.

Part number	H +.000 -.005	J ±.003	K +.000 -.005	L ±.005	M ±.005	N ±.005	P ±.005	R ±.005
MS27623-4C	-	.440	-	-	.085	.185	.275	-
MS27623-6C	-	.584	-	-	.100	.225	.300	-
MS27623-8C	-	.663	-	-	.260	.360	.460	-
MS27623-10C	.760	.740	.800	.012	.222	.347	-	.104

TABLE I. Sleeve dimensions - Continued.

Part number	S ±.002	U	Y	Z ±.003	AA ±.003	AB		AC ±.005	AD ±.005
MS27623-4C	.016	-	-	-	-	10°	±.25°	-	-
MS27623-6C		.0267	.1245	.502	.543	12°	±.25°	-	-
MS27623-8C		-	-	-	-	8°	±.50°	-	-
MS27623-10C		-	-	-	-	8°	±.50°	.193	.308

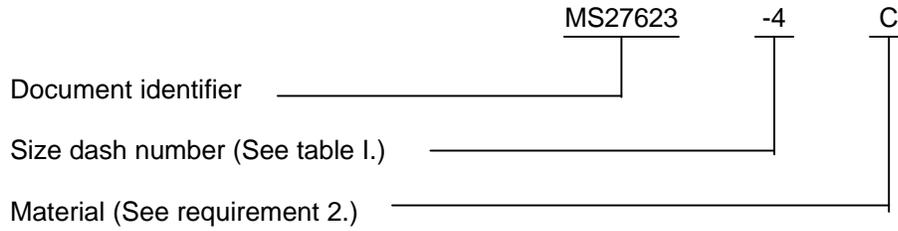
NOTES:

1. Dimensions are in inches unless otherwise specified.
2. This part for use with MIL-DTL-83298 hose.
3. This specification sheet takes precedence over documents referenced herein.
4. Referenced documents shall be of the issue listed in the issue of the Department of Defense Index of Specification and Standards (DoDISS) and supplement thereto, cited in the solicitation.
5. Dimensioning and tolerancing are in accordance with ASME Y14.5M-1994.

MS27623B

6. Part or Identifying Number (PIN):

Example of a PIN: MS27623-4C.



7. Next assemblies are MS27616 through MS27618 and MS27629 through MS27631.

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-1040-016)

Review activities:

- Air Force - 82
- Navy - MC, SA