

REV.  
A

SAE AS1073

FEDERAL SUPPLY CLASS

RATIONALE

AS1073A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

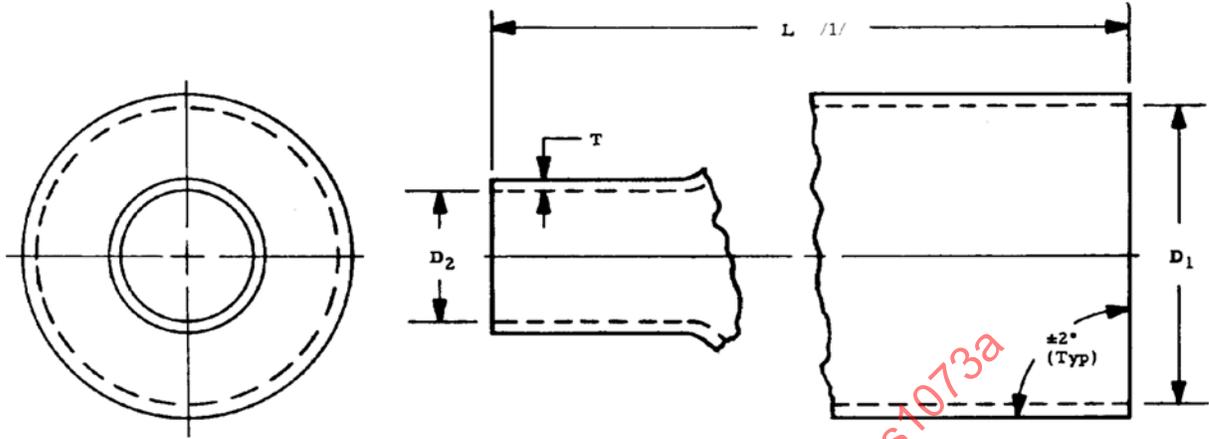
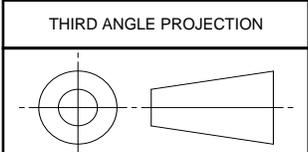


TABLE 1 - POLYOLEFIN

SIZE	*MATERIAL CODE		D <sub>1</sub> EXPANDED	D <sub>2</sub> RECOVERED	L / 1/ At D <sub>1</sub> DIA (in)	T	WEIGHT (lbs/in)	
	AMS 3637	AMS 3636	ID Min (in)	ID Min (in)		At D <sub>1</sub> DIA (in)		
-2	A	B	0.500	0.250	As Specified	0.025 ± 0.003	0.0006	
-3	↑	↑	0.675	0.375		0.030 ± 0.005	0.0012	
-4	↑	↑	0.750	0.500		0.035 ± 0.005	0.0018	
-5	↑	↑	0.820	0.750		0.040 ± 0.006	0.0032	
-6	↑	↑	1.00	1.00		0.045 ± 0.007	0.0049	
-7	↑	↑	1.18	1.50		0.050 ± 0.008	0.0082	
-8	↑	↑	1.50	2.00		0.055 ± 0.009	0.0121	
-9	↑	↑	1.74	2.20				
-10	↑	↑	2.00	3.00				
-11	↑	↑	2.20	3.00				
-12	↑	↑	3.00	1.50				
-13	A	B	4.00	2.00		As Specified		

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CUSTODIAN: G-3/G-3D

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

SLEEVE HOSE ASSEMBLY,  
HEAT SHRINKABLE

**SAE AS1073**  
SHEET 1 OF 3

REV. A

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ISSUED 1968-06 REVISED 1989-08 REAFFIRMED 2013-01

TABLE 2 - F. E. P.

SIZE	MATERIAL CODE	D <sub>1</sub> Expanded ID Min (in)	D <sub>2</sub> Recovered ID Min (in)	L /1/ (in) At D <sub>1</sub> DIA	T ± 0.004 (in) At D <sub>2</sub> DIA
-2	MIL-I-23053/11	0.290	0.226	As Specified	0.011
-3	↑ C/D	0.310	0.249	↑	0.011
-4		0.400	0.311		0.012
-5		0.500	0.383		0.015
-6		0.580	0.448		0.020
-7		0.666	0.510		0.020
-8		0.830	0.637		0.025
-9	↓ C/D	1.000	0.764	↓	0.030
-10		1.170	0.891		0.035
-11		1.300	1.000		0.020
-12		1.330	1.020		0.035
-13		1.700	1.300		0.020
-14		MIL-I-23053/11	2.100		1.700

INTENDED USE:

CODE A: This sleeve is used to provide a transparent cover for hose assembly identification bands to prevent injury to personnel by sharp edges or projection.

CODE B: This sleeve is used to provide an outer cover on the hose for abrasion protection.

CODE C: This sleeve is used to provide a transparent cover for hose assembly identification bands to prevent injury to personnel by sharp edges or projection.

CODE D: This sleeve is used to provide an outer cover on the hose for abrasion protection.

MATERIALS:

CODE A: Heat-shrinkable transparent, irradiated polyolefin tubing in accordance with AMS 3637, except for overexpanded D<sub>1</sub> diameters of -3A, 5A, 7A, 9A, and 11A. This material is not flame-resistant.

CODE B: Heat-shrinkable, opaque black irradiated polyolefin tubing in accordance with AMS 3636, except for overexpanded D<sub>1</sub> diameters of -3B, 5B, 7B, 9B, and 11B. This material is self-extinguishing when exposed to flame.

CODE C: Heat-shrinkable, fluorinated ethylene propylene, non-cross-linked transparent (water, white to transparent light blue) in accordance with MIL-I-23053/11.

CODE D: Heat-shrinkable, fluorinated ethylene propylene, non-cross-linked opaque black.

SELECTION OF SIZE:

CODE A & B:

1. For hose assemblies with straight, swivel nut end fittings installed:
  - (A) Multiply "Across-flats" dimension of largest hex in end fitting assembly by factor of 1.15 to obtain "Across-corners" dimension.
  - (B) Select size having closest larger D<sub>1</sub> than "Across-corners" dimension. Check D<sub>2</sub> for this size to ensure that hose OD is larger or equal.
2. For hose assemblies with elbow or 4-hole flange end fittings to be installed:
  - (A) Select size having D<sub>2</sub> dimension next smaller than or equal to hose OD.

CODE C & D: For all hose assemblies select size having D<sub>2</sub> dimension next smaller than or equal to hose OD.

 An SAE International Group	<b>AEROSPACE STANDARD</b>	<b>SAE AS1073</b> SHEET 2 OF 3	REV. <b>A</b>
	SLEEVE HOSE ASSEMBLY, HEAT SHRINKABLE		