

REV.
A

SAE AS1073

FEDERAL SUPPLY CLASS

RATIONALE

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

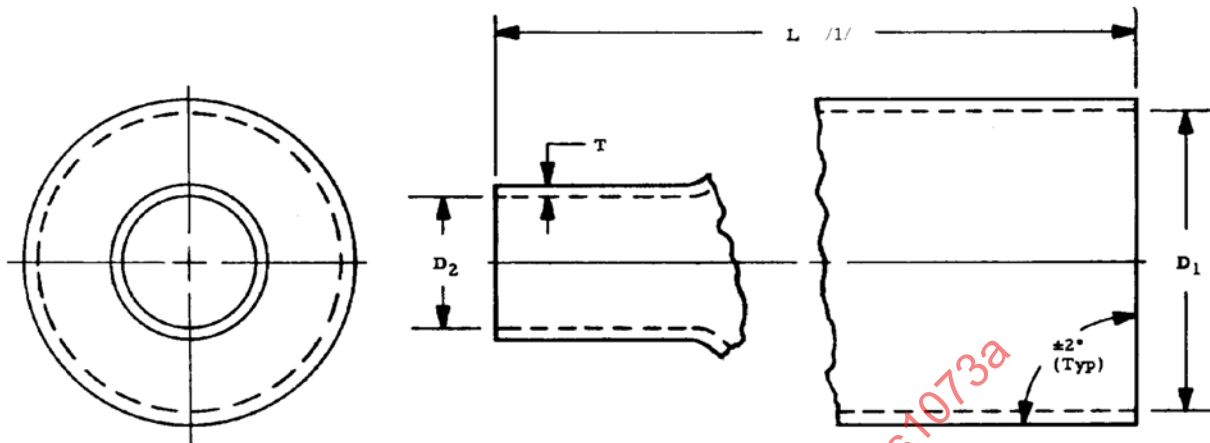
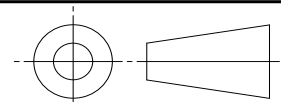


TABLE 1 - POLYOLEFIN

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

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1073A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

SLEEVE HOSE ASSEMBLY,
HEAT SHRINKABLE

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TABLE 2 - F. E. P.

SIZE	MATERIAL CODE	D ₁ Expanded ID Min (in)	D ₂ Recovered ID Min (in)	L /1/ (in) At D ₁ DIA	T ± 0.004 (in) At D ₂ DIA
-2	MIL-I-23053/11 C/D	0.290	0.226	As Specified	0.011
-3		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		1.000	0.764		0.030
-10		1.170	0.891		0.035
-11		1.300	1.000		0.020
-12	C/D	1.330	1.020	As Specified	0.035
-13		1.700	1.300		0.020
-14	MIL-I-23053/11	2.100	1.700		0.020

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 D₁ 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 D₁ 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 D₁ than "Across-corners" dimension. Check D₂ 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 D₂ dimension next smaller than or equal to hose OD.

CODE C & D: For all hose assemblies select size having D₂ dimension next smaller than or equal to hose OD.

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