FEDERAL SUPPLY CLASS

RATIONALE

THIS TECHNICAL REPORT IS BEING STABILIZED BECAUSE IT COVERS TECHNOLOGY, PRODUCTS, OR PROCESSES WHICH ARE MATURE AND NOT LIKELY TO CHANGE IN THE FORESEEABLE FUTURE.

STABILIZED NOTICE

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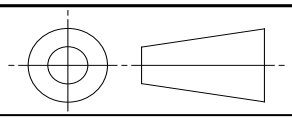
ISSUED 1973-05 REAFFIRMED 2014-10 STABILIZED 2023-12

For more information on this standard, visit
https://www.sae.org/standards/content/AS1294A/

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION:

SAE INTERNATIONAL

AEROSPACE STANDARD

SLEEVE, HOSE ASSEMBLY, CHAFE GUARD, NYLON COIL

AS1294™

REV. A

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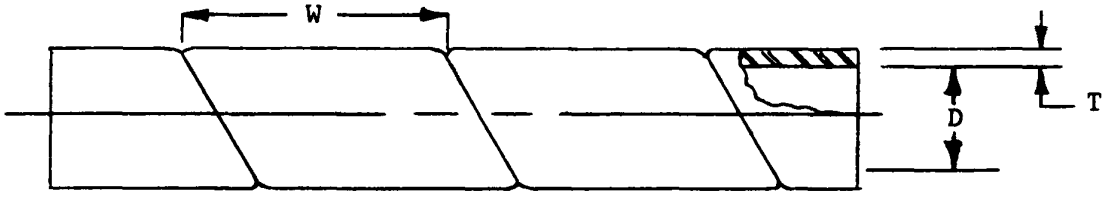

Size	D* Inside Diameter						T Wall Thickness ± .010		W ± .12		Size Selection Based On Hose O.D. To Be Covered			
	Nominal		Maximum		Minimum						Maximum		Minimum	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
-1	.204	5.18	.229	5.82	.179	4.55	.023	.58	.381	9.68	1.000	25.40	.220	5.59
-2	.436	11.07	.467	11.86	.405	10.29	.032	.81	.543	13.79	4.000	101.60	1.001	25.43

*The min./max. I.D. dimensions shown refer to the extruded tube before cutting the helix. The nominal I.D. dimensions shown are reference only.

1.1 Usage: Used as an outer protective cover on hose and/or hose assemblies to prevent harmful abrasion and to prolong service life. Additionally, this sleeve is intended to facilitate repair to damaged chafe sleeve without having to disconnect the hose assembly from the installation.

1.2 Material: Lightweight, synthetic thermoplastic polymer (nylon) coil. This coil will be black; however, other colors may also be utilized, depending on the supplier and the requirements of the application.

1.3 Resistance: This sleeve shall have excellent abrasion resistance and shall be unaffected by moisture, ozone, oxidation, hydraulic fluids, fuels, solvents, and most other chemicals and fluids used in aircraft applications.

1.3.1 CAUTION: Strong acids will attack nylon, causing severe damage in some cases. Avoid using this sleeve where contact with such acids is probable.

1.4 Physical Properties: This sleeve shall be tough, durable, and shall retain useful flexibility, mechanical strength, and elongation over a large temperature range.

1.5 Temperatures: Suitable for most applications within the range of -65° F thru +300° F (-54° C thru +149° C).

1.6 Identification: Sleeve shall be identified by full (AS) part number (see para. 1.9.4) on a nonmetallic tag attached to the sleeve. The tag shall also bear the manufacturer's name or trademark.

1.7 Selection of Size: Use the "Size Selection" column on the chart to determine the desired sleeve size for a particular hose whose measured O.D. falls within the O.D. ranges listed.