

SPEC ADVISORY:

AEROSPACE MATERIAL SPECIFICATION CHANGE

SPECIFICATION: **AMS2243J, revised 11/2010 superseding AMS2243H**

Tolerances, Corrosion and Heat-Resistant Stainless Steel Tubing

AMS2243J is referenced in many other AMS specifications for production of stainless steel tubing including, but not limited to: AMS 5556, AMS 5557, AMS 5564, AMS 5565, AMS 5567, AMS 5569, AMS 5575, AMS 5576, AMS 5896, AMS 5897, AMS-T 8606, AMS-T-6845.
Consult Section 2 of your spec to verify if AMS2243 applies.

PRODUCTS AFFECTED: Seamless and Welded Stainless Tubing of Corrosion and Heat-Resistant Steel:

- *Seamless Stainless Tubing produced by Plymouth Tube at Salisbury, MD*
- *Welded Stainless Tubing produced by Plymouth Tube's Trent facility at East Troy, WI*

IMPACT: **Outside Diameter and Wall Thickness, Tubing Other than Pressure Tubing**

Size	Obsolete Rev H		Current Rev J	
	OD tolerance	Wall tolerance	OD tolerance	Wall tolerance
0.125" x 0.016"	+/- 0.005	+/- 15%	+/- 0.003	+/- 10%
0.500" x 0.020"	+/- 0.005	+/- 12.5%	+/- 0.003	+/- 10%
1.500" x 0.049"	+/- 0.010	+/- 12.5%	+/- 0.004	+/- 12.5%
3.000" x 0.035"	+/- 0.010	+/- 12.5%	+/- 0.004	+/- 12.5%

Tolerances extracted, with permission, from Tables 1 & 3 of AMS2243 specs

WHAT THIS MEANS: Tighter tolerance control leads to greater predictability of ODs. Predictability of the OD translates to more consistent bending, flaring and other fabrication in your application.

FOR MORE INFO: Contact your Plymouth sales rep or the following technical resources:

- Mel Chapman (mchapman@plymouth.com), Quality Mgr – Salisbury Plant
- Rick Johnson (rjohnson@plymouth.com), Quality Mgr – Trent Plant
- Ed Blessman (eblessman@plymouth.com), Technical Mgr – Plymouth Tube

REQUIRED ACTION:

Tube Supplier	Action Required
Plymouth Tube Co.	No action required; Plymouth is fully compliant with the specification revision
Tube Manufacturers other than Plymouth Tube	<u>VERIFY COMPLIANCE</u>