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MMPDS Announcement:

The Metallic Materials Properties Development and Standardization (MMPDS) design handbook contains fastener system strength allowables data in Chapter 8 for use by the aerospace industry. This data is employed by government agencies, such as the Federal Aviation Administration for certification, Department of Defense, and by industry for design application purposes. The Fastener Task Group (FTG) is chartered to gather and review data for new fastening system/ sheet combinations, and periodically review and substantiate the allowables for the existing tables published in the handbook. Individual tables are scheduled for sunset review every seven (7) years.

To maintain these table in MMPDS, additional test data of approximately 25% of the number of specimens originally submitted with the data package, is required in order to perform a sunset review. Details of the sunset process are contained in section 9.2.4.7 of the MMPDS. A response time of one year from the date of notice is allowed to establish if a company wishes to provide confirmation data for each table. Early responses to the Fastener Task Group are encouraged in order to expedite the review process.

Individual letters have been sent to companies with either primary ownership of these tables or fastener systems, however any company or group may sponsor confirmatory data and is encouraged to coordinate with the primary manufacturer to do so. Note that in the event no company or group elects to provide confirmatory data, or if the FTG does not receive a response to this notice, a formal agenda item will be presented at the MMPDS General Coordination Meeting one year from the notice date announcing the eventual removal of the table(s) from Chapter 8. Individual letters have been sent to companies with either primary ownership of these tables or fastener systems.

“Sunset Review Clause” applied to MMPDS Chapter 8 Structural Joint Current Tables after the 9th MMPDS Coordination Meeting, April 2006.

Item 05-35 Sunset Review of Solid Rivet Table 8.1.2.2(g) MS20426B

Static Joint Strength of 100° Flush Head Aluminum Alloy (5056-H321) Solid Rivets in Machine-Countersunk Magnesium Alloy Sheet

Item 05-44 Sunset Review of Blind, Protruding Head, Mechanical Lock Rivet Table 8.1.3.1.2(i) NAS1720KE

Static Joint Strength of Blind Protruding Head Locked Spindle Aluminum Alloy (7050) Rivets in Aluminum Sheet

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Item 05-53 Sunset Review of Blind, Flush Head, Mechanical Lock Rivet Table 8.1.3.2.2(m) NAS1721KE and NAS1721L

Static Joint Strength of Blind 100° Flush Head Locked Spindle Aluminum Alloy (7050) Rivets in Machine-Countersunk Aluminum Alloy Sheet

Item 05-54 Sunset Review of Flash Head Blind Bolt Table 8.1.3.2.3(d) NS100

Static Joint Strength of Blind 100° Flush Head Alloy Steel Fasteners in Machine-Countersunk Aluminum Sheet

Item 05-55 Sunset Review of Collar/Pin Table 8.1.4.2(b) NAS7024 and NAS7032

Static Joint Strength of 100° Flush Shear/Tension Head Alloy Steel Lockbolt Fasteners in Machine-Countersunk Aluminum Alloy Sheet and Plate

Item 05-57 Sunset Review of Threaded Fastener Table 8.1.5.2(l) HPT-V

Static Joint Strength of 70° Flush Head Straight Shank Ti-6Al-4V Fasteners in Non-Matching Machine-Countersunk Aluminum Alloy Sheet and Plate

“Sunset Review Clause” applied to MMPDS Chapter 8 Structural Joint Current Tables after the 10th MMPDS Coordination Meeting, October 2006.

Item 05-36 Sunset Review of Solid Rivet Table 8.1.2.2(i) BRFS-D

Static Joint Strength of 120° Flush Shear Head Aluminum Alloy (2017-T3) Solid Rivets in Machine-Countersunk Magnesium Alloy Sheet

Item 05-37 Sunset Review of Solid Rivet Table 8.1.2.2(j) BRFS-AD

Static Joint Strength of 120° Flush Shear Head Aluminum Alloy (2117-T3) Solid Rivets in Machine-Countersunk Magnesium Alloy Sheet

Item 05-38 Sunset Review of Solid Rivet Table 8.1.2.2(k) BRFS-DD

Static Joint Strength of 120° Flush Shear Head Aluminum Alloy (2024-T31) Solid Rivets in Machine-Countersunk Magnesium Alloy Sheet

Item 05-39 Sunset Review of Solid Rivet Table 8.1.2.2(l) BRFS-T

Static Joint Strength of 120° Flush Shear Head Ti-45 Cb Solid Rivets in Machine-Countersunk Aluminum Alloy and Titanium Sheet

Item 05-40 Sunset Review of Blind, Protruding Head, Friction Lock Rivet Table 8.1.3.1.1(b) MS20600M

Static Joint Strength of Protruding Head Monel Rivets in Stainless Steel Sheet

Item 05-41 Sunset Review of Blind, Protruding Head, Friction Lock Rivet Table 8.1.3.1.1(c) MS20600M

Static Joint Strength of Blind Protruding Head Monel Rivets in Aluminum Alloy Sheet

Item 05-45 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(b) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Machine-Countersunk Stainless Steel

Item 05-46 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(c) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Dimpled Stainless Steel Sheet

“Sunset Review Clause” applied to MMPDS Chapter 8 Structural Joint Current Tables after the 11th MMPDS Coordination Meeting, May 2007.

Item 05-42 Sunset Review of Blind, Protruding Head, Friction Lock Rivet Table 8.1.3.1.1(d) MS20600AD and MS20602AD

Static Joint Strength of Blind Protruding Head Alloy (2117-T3) Rivets in Aluminum Alloy Sheet

Item 05-43 Sunset Review of Blind, Protruding Head, Friction Lock Rivet Table 8.1.3.1.1(e) MS20600B

Static Joint Strength of Blind Protruding Head Aluminum Alloy (5056) Rivets in Magnesium Alloy Sheet

Item 05-47 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(d₁) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Machine-Counter sunk Stainless Steel Sheet

Item 05-48 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(d₂) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Machine-Countersunk Stainless Steel Sheet

Item 05-49 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(d₃) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Machine-Countersunk Stainless Steel Sheet

Item 05-50 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(e) MS20601M

Static Joint Strength of Blind 100° Flush Head Monel Rivets in Machine-Countersunk Aluminum Alloy Sheet

Item 05-51 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(f) MS20601AD and MS20603AD

Static Joint Strength of Blind 100° Flush Head Aluminum Alloy (2117-T3) Rivets in Machine-Countersunk Aluminum Alloy Sheet

Item 05-52 Sunset Review of Blind, Flush Head, Friction Lock Rivet Table 8.1.3.2.1(g) MS20601B

Static Joint Strength of Blind 100° Flush Head Aluminum Alloy (5056-H321) Rivets in Machine-Countersunk Magnesium Alloy Sheet

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**Item 05-56 Sunset Review of Threaded Fastener Table 8.1.5.2(a₁) AN509
Screw**

Static Joint Strength of 100° Flush Head Alloy Steel Screw in Machine-
Countersunk Aluminum Alloy Sheet and Plate

**Item 05-59 Sunset Review of Threaded Fastener Table 8.1.5.2(a₂) AN509
Screw**

Static Joint Strength of 100° Flush Head Alloy Steel Screw in Machine-
Countersunk Aluminum Alloy Sheet and Plate