

November 14, 2008

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 a 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 whether 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. Additional information can be found in Chapter 9 of MMPDS-04.

Individual letters have been sent to organizations that supplied the original data for these tables; however any organization may sponsor confirmatory data and is encouraged to coordinate with the primary manufacturer to do so. Note that in the event no organization 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 after the original notice date announcing the eventual removal of the table(s) from Chapter 8.

The fasteners from MMPDS Chapter 8 Structural Joint Tables added to the list of fasteners being reviewed under the “Sunset Review Clause” at the 14th MMPDS Coordination Meeting, October 2008, can be found on page 2. A response time of one year from October 2008 is allowed to establish if an organization wishes to provide confirmation data for any of these tables.

The fasteners from MMPDS Chapter 8 Structural Joint Tables which have been approved for removal under the “Sunset Review (Removal) Clause” at the 14th MMPDS Coordination Meeting, October 2008, can be found on page 3. The allowables data for these fasteners will be removed at publication of MMPDS-04 CN1.

The fasteners from MMPDS Chapter 8 Structural Joint Tables which have been approved for removal under the “Sunset Review (Removal) Clause” at the 13th MMPDS Coordination Meeting, April 2008, can be found on page 4. The allowables data for these fasteners will be removed at publication of MMPDS-04 CN1.

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The fasteners from MMPDS Chapter 8 Structural Joint Tables which had been added to the list for review under the “Sunset Review Clause” prior to the 13th MMPDS Coordination Meeting, April 2008, can be found on page 5. A commitment for confirmatory data is required one year after the sunset notice date and the item will be up for removal, if no data is committed, at the meeting indicated in the last column.

“Sunset Review Clause” applied to MMPDS Chapter 8 Structural Joint Tables at the 14th MMPDS Coordination Meeting, October 2008:

Item 09-01 Sunset Review of Solid Rivet Table 8.1.2.2(a) MS 20427M

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

Item 09-02 Sunset Review of Solid Rivet Table 8.1.2.2(b) MS 20427M

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

Item 09-03 Sunset Review of Solid Rivet Table 8.1.2.2(h) MS 20427M

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

Item 09-04 Sunset Review of Solid Rivet Table 8.1.3.1.2(a) NAS 1398C, NAS 1398C Code A, and CR 2643

Static Joint Strength of Blind Protruding Head Locked Spindle A-286 Rivets in Alloy Steel Sheet

Item 09-05 Sunset Review of Solid Rivet Table 8.1.3.1.2(b) NAS 1398 MC or MW, and NAS 1398 MC or MW Code A

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

Item 09-06 Sunset Review of Solid Rivet Table 8.1.3.2.3(a) NAS 1398 MC or MW, and NAS 1398 MC or MW Code A

Static Joint Strength of Blind 100° Flush Head A-286 Bolts in Machine-Countersunk Aluminum Alloy Sheet and Plate

“Sunset Review (Removal) Clause” applied to MMPDS Chapter 8 Structural Joint Tables at the 14th MMPDS Coordination Meeting, October 2008. These fasteners will be placed in the new Non-Confirmed Sunset Fastener Table in the next MMPDS handbook.

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.

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

“Sunset Review (Removal) Clause” applied to MMPDS Chapter 8 Structural Joint Tables at the 13th MMPDS Coordination Meeting, April 2008. These fasteners will be placed in the new Non-Confirmed Sunset Fastener Table in the next MMPDS handbook.

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

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 Flush 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

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“Sunset Review Clause” applied to MMPDS Chapter 8 Structural Joint Tables prior to the 13th MMPDS Coordination Meeting, April 2008.

Sunset Item No.	Table No.	Fastener Identification	Sunset Notice Date	Date for Approval for Removal if no Confirmatory Data is committed
GSG 05-42	8.1.3.1.1(d)	MS20600AD	14-May-07	Spring 2009
GSG 05-43	8.1.3.1.1(e)	MS20600B	14-May-07	Spring 2009
GSG 05-47	8.1.3.2.1(d1)	MS20601M (MC)	14-May-07	Spring 2009
GSG 05-48	8.1.3.2.1(d2)	MS20601M (MC)	14-May-07	Spring 2009
GSG 05-49	8.1.3.2.1(d3)	MS20601M (MC)	14-May-07	Spring 2009
GSG 05-50	8.1.3.2.1(e)	MS20601M (MC)	14-May-07	Spring 2009
GSG 05-51	8.1.3.2.1(f)	MS20601AD and MS20603AD (MC)	14-May-07	Spring 2009
GSG 05-52	8.1.3.2.1(g)	MS20601B (MC)	14-May-07	Spring 2009
GSG 05-56	8.1.5.2(a1)	AN 509 Screw (MC)	14-May-07	Spring 2009
GSG 05-59	8.1.5.2(a2)	AN 509 Screw (MC)	14-May-07	Spring 2009
GSG 07-50	8.1.2.2(c)	MS20426AD	9-Nov-07	Fall 2009
GSG 07-51	8.1.2.2(d)	MS20426D	9-Nov-07	Fall 2009
GSG 07-52	8.1.3.1.1(a)	CR6636	9-Nov-07	Fall 2009
GSG 07-53	8.1.3.2.1(a)	CR6626	9-Nov-07	Fall 2009
GSG 07-54	8.1.3.2.3(c)	FF200,FF260,FF312	9-Nov-07	Fall 2009
GSG 07-55	8.1.4.2(a)	NAS1436-1442	9-Nov-07	Fall 2009
GSG 07-56	8.1.5.2(c)	TL-100	9-Nov-07	Fall 2009
GSG 08-22	8.1.3.2.2(j)	NAS 1399 B & NAS 1739 B& E	30-Apr-08	Spring 2010
GSG 08-23	8.1.3.2.2(c)	NAS 1921C	30-Apr-08	Spring 2010
GSG 08-24	8.1.3.2.3(e)	SSHFA-200 & 260	30-Apr-08	Spring 2010
GSG 08-25	8.1.5.2(g)	HL61, HL70 Collar	30-Apr-08	Spring 2010
GSG 08-26	8.1.5.2(h)	HL719, HL79 Collar	30-Apr-08	Spring 2010