ASME B18.24-2004

(Supersedes ASME B18.24.1, B18.24.2, and B18.24.3)

Part Identifying Number (PIN) Code System Standard for B18 Fastener Products

AN AMERICAN NATIONAL STANDARD



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Part Identifying Number (PIN) Code System Standard for B18 Fastener Products

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FOREWORD

A joint Government and ASME B18 meeting was held November 4, 1977 at Defense Industrial Supply Center, Philadelphia, Pennsylvania. A planning group was established to eliminate road blocks to the Government acceptance and use of national voluntary standards. Designated the Ad Hoc Fastener Planning Group, the Group's first meeting was held February 2, 1978 at ASTM Headquarters in Philadelphia. At the meeting, Government appendixes to ASME B18 metric product standards were endorsed. In addition, an ANSI Metric Log was established to prevent duplicate efforts and provide the latest status of 18 metric fastener projects. The U. S. Army Armament Research Development and Engineering Center was tasked to provide Government appendixes for metric fastener standards on an as-needed basis.

At the ASME B18 Standards Committee meeting on December 5, 1991, based on a B18 Subcommittee 24 suggestion, the B18 Standards Committee unanimously approved a motion that, "Subcommittee 24 Industry/Government Liaison be reactivated and tasked by B18 to address the issue of how to best handle needed changes to the various Government appendixes."

At the Subcommittee 24 meeting, May 12, 1993 at ASME Headquarters in New York City, the Part Identifying Number (PIN) Code System concept for B18 product standards was agreed to. The need was expressed that a PIN code system be made available for all users, not just limited to Government users. This was based on the recognition that 28 B18 metric and 1 in. (ANSI B18.2.1) standards contained "Government Appendixes" for Department of Defense (DOD) PIN acquisition usage and were not considered part of the B18 standard. Again, the premise based on the aforementioned proposal was to provide a B18 Code System for all users without exception.

Based on the B18 Standards Committee mandate, a Subcommittee 24 Task Group was formed to develop B18.24.1 (externally threaded fasteners) first, then proceed with B18.24.2 (internally threaded B18 fasteners) and B18.24.3 (nonthreaded fasteners) standards.

During the April 2003 B18 Subcommittee 24 and B18 Standards Committee meetings, it was agreed to draft a new standard, ASME B18.24, "Part Identifying Number (PIN) Code System Standard for B18 Fastener Products" to replace existing ASME B18.24.1, B18.24.2, and B18.24.3 standards. This was based on users' expressed need to reduce the 21 digit PIN code to a code with 18 digits, to accommodate the 18-digit maximum file name length constraint inherent with widely used computer aided design (CAD) software platforms. ASME B18.24-2004 was approved by the B18 Standards Committee on December 25, 2003.

ASME B18.24-2004 was approved by the American National Standards Institute (ANSI) on April 16, 2004.

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Standardization of Bolts, Nuts, Rivets, Screws, Washers, and Similar Fasteners

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The Committee welcomes proposals for revisions to this Standard. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

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The request for interpretation should be clear and unambiguous. It is further recommended that the inquirer submit his/her request in the following format:

Subject:	Cite the applicable paragraph number(s) and the topic of the inquiry.
Edition:	Cite the applicable edition of the Standard for which the interpretation is being requested.
Question:	Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. The inquirer may also include any plans or drawings which are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in this format will be rewritten in this format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

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PART IDENTIFYING NUMBER (PIN) CODE SYSTEM FOR B18 FASTENER PRODUCTS

1 INTRODUCTORY NOTES

1.1 Scope

1.1.1 This Standard is intended to provide all users (manufacturers, distributors, design and configuration, parts control. inventory control, test and maintenance functions) with the capability to identify externally threaded, internally threaded, and nonthreaded fastener products by a preselected order of coding as specified herein.

1.1.2 The B18 PIN is a self-contained code, with distinct identification linkage to individual ASME B18 fastener product standards. The PIN code concept provides for direct traceability back to the applicable B18 product standard. In case of conflict with this document and the B18 product standard, the B18 product standard shall take precedence.

1.1.3 This Standard is not intended for use as a substitute for the correct usage of the B18 standards for fastener selection and specification. The PIN code is intended as an alternative to the plain text product callout as prescribed in the "Designation" or "Ordering" section of the source B18 product standard. The existence of a PIN code for B18 fastener description is not intended to imply that all products described are available.

2 GENERAL GUIDANCE

2.1 Optional Coverage

Each individual ASME B18 fastener product standard provides for optional B18 PIN coverage under "Designation" or "Ordering" data.

2.2 Alpha "I" and "O"

Alpha "I," "O," and "-" are not used in PIN field coding configuration.

2.3 Characteristics

The B18 PIN Code shall identify only those characteristics specified in the B18 product standards.

2.4 Succession of B18.24.1, B18.24.2, and B18.24.3 21 Character PIN Codes

Appendices A and B provide instructions and resources for determining the superseding B18.24 18-character PIN code for any cancelled ASME B18.24.1, ASME B18.24.2, and ASME B18.24.3 21-character PIN code.

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3 PIN CODE STRUCTURE

3.1 PIN Structure Overview

B18 Fastener PIN Example

	Base PIN	Thread Configuration	Fastener Size	Length/Other Dimensions	Material and Treatment	Plating, Coating, and Passivation	Features
	B18 Fastener Family & Type	Thread Configuration & Size			Material/ Finish		Additional Features
AEB02C250A50AP4A11	AEB02	C	250	A50	AP4	A1	1
18 digits	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7

General data for 18-digit B18 PINs:

Field	Field Name	Field Range	Table References	Page Number(s)
1	Fastener Family and Type [Note (1)]	digits 1-5	Table 1-1 [Note (2)]	3
2	Fastener Thread Configuration	digit 6	Tables 2-1 and 2-2	22
3	Fastener Size	digits 7-9	Tables 3-1 thru 3-29	22
4	Length/Other Dimensions	digits 10-12	Tables 4-1 thru 4-6	32
5	Material and Treatment	digits 13-15	Tables 5-1 thru 5-7	36
6	Plating, Coating, and Passivation	digits 16-17	Tables 6-1 thru 6-4	82
7	Additional Features	digit 18	Tables 7-1 thru 7-13	94

NOTES:
(1) Fastener Family, digit 3, is defined in Table 1-1.
(2) Table 1-1, entitled “Fastener Family and Type / Base PIN”, includes Table references for easy 18-digit PIN code creation and lookup.

3.2 PIN Usage Guidance

Both the B18 PIN creation and lookup tasks are 2-step processes:

Step 1: Specify or identify the specific B18 Fastener Family and Type / Base PIN from Table 1-1. This shall be the first five (5) digits, beginning with the AE prefix.

Step 2: Specify or identify the specific applicable B18 fastener attributes from the lookup table references in Table 1-1 field columns.

For example: AEB02C250A50AP4A11 — Bolt, Hex from ASME B18.2.1

To begin, the user would refer to Table 1-1 which is organized and sorted as follows:

1: Alphabetically by Base PIN to accommodate lookup queries.
2: Hierarchically as follows for Fastener Family and Type / Base PIN selection:

Fastener Family PIN value (digit 3)
→ B18 Standard Number
→ Unique Fastener Type (Base PIN)

The following is excerpted from Table 1-1 on pg. 3:

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Table 1-1 Fastener Family and Type / Base PIN

Bolts	Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.2.1 Square and Hex Bolts and Screws (Inch Series)	②	***Field 2***	***3***	***4***	***5***	***6***	***7***
① Base PINs → **AEB01** Bolts, Square		2-1	3-1	4-1	5-*	6-*	7-1
→ **AEB02** Bolts, Hex		2-1	3-1	4-1	5-*	6-*	7-1
→ **AEB03** Bolts, Hex, Heavy	④	2-1	3-1	4-1	5-*	6-*	7-1
→ **AEB04** Bolts, Askew Head		2-1	3-1	4-1	5-*	6-*	7-1
B18.2.3.5M Metric Hex Bolts		***Field 2***	***3***	***4***	***5***	***6***	***7***
AEB05 Bolts, Hex		2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.6M Metric Heavy Hex Bolts		***Field 2***	***3***	***4***	***5***	***6***	***7***
AEB06 Bolts, Hex, Heavy		2-1	3-3	4-2	5-*	6-*	7-2
— —							
— —							
— —							
B18.9 Plow Bolts (Inch Series)		***Field 2***	***3***	***4***	***5***	***6***	***7***
AEB24 Bolts, Plow No. 3 Regular Head (Round, Countersunk, Square Neck)		2-1	3-1	4-1	5-*	6-*	7-1
AEB25 Bolts, Plow No. 3 Repair Head (Round, Countersunk, Square Neck)		2-1	3-1	4-1	5-*	6-*	7-1
AEB26 Bolts, Plow No. 7 Regular Head (Round, Countersunk, Reverse key)		2-1	3-1	4-1	5-*	6-*	7-1
	③ *Field Length* =	1,	3,	3,	3,	2,	1,

① denotes the emboldened Base PIN column of Table 1-1. The Base PIN identifies an individual, top level fastener type from a B18 standard. The Base PIN is comprised of digits 1 through 5.

In our example, the Base PIN is **AEB02** and the unique B18 Fastener PIN is **AEB02C250A50AP1A11.** ② and ③ denote field number and field length, respectively, for subsequent PIN fields. By traversing from left to right from the beginning of Field 2 (digit 6), the user can specify or look up the fastener attributes for any unique Base PIN / top level fastener type.

④ denotes the attribute table number references for fields 2-7 as → 2-1 3-1 4-1 5-* 6-* 7-1. It is from these attribute fields that a unique fastener is described. Having located the appropriate lookup tables for Base PIN = AEB02, the user would interpret the remainder of the PIN as follows:

Look up the: 1 digit value for Field 2 in Table 2-1
3 digit value for Field 3 in Table 3-1
3 digit value for Field 4 in Table 4-1
3 digit value for Field 5 in Tables 5-1 through 5-7
2 digit value for Field 6 in Tables 6-1 through 6-4
1 digit value for Field 7 in Table 7-1

The following is an example for this specific B18 fastener PIN:

Field #	Field Length	Digit Range	Field Value	Table Ref(s)	Attributes Fastener Parameter	Attribute Values Parameter Value
1	5	1-5	**AEB02**	1-1	→ **PIN Spec**	ASME B18.24
				1-1	**PIN Spec Title**	PIN Code System Standard For B18 Fastener Products
				1-1	→ **Source Document**	ASME B18.2.1
				1-1	→ **Source Document Title**	Square and Hex Bolts and Screws (Inch Series)
				1-1	→ **Unit System**	Inch
				1-1	→ **Fastener Type**	Bolt, Hex
2	1	6	C	2-1	→ **Thread Configuration**	UNC-2
3	3	7-9	250	3-1	→ **Size**	.250
4	3	10-12	A50	4-1	→ **Length / Other Dim**	1.500
5	3	13-15	AP4	5-1	→ **Material**	Carbon Steel
				5-1	→ **Material Spec**	ASTM A 307, Grade A
6	2	16-17	A1	6-1	→ **Finish**	Plain, no finish
				6-1	→ **Finish Spec**	N/A
7	1	18	1	7-1	→ **Features**	Plain, no additional features

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Please note that Tables 4-1 and 4-2 include coverage of Field 4 externally threaded fastener lengths for fasteners with a reduced body diameter (RBD).

ASME B18 Prefix

PIN	Description
AE	ASME B18 PIN

All 18-digit ASME B18 Fastener PINs shall begin with an "AE" prefix. "AE" combined with the next 3 digits shall comprise the Fastener Family and Type/Base PIN. Refer to Table 1-1 to specify/look up the appropriate top level B18 Fastener Family and Type/Base PIN.

B18 Fastener Family

PIN	Description
B	Bolts
E	Inserts
K	Keys and Keysets
M	Screw and Washer Assemblies—Sems
N	Nuts
P	Pins
R	Retaining Rings
S	Screws
T	Studs (Includes Lifting Eyes and Eyebolts)
V	Rivets
W	Washers

The B18 Fastener Family table describes digit 3 of Field 1, which is a total of 5 digits in length. As such, the field values of B18 Fastener Family are included within the Table 1-1 PIN values. This table is presented solely to demonstrate how the user can quickly identify what type of fastener a given PIN describes simply by identifying the third digit in a B18 PIN.

Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Bolts

Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.2.1 Square and Hex Bolts and Screws (Inch Series)	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB01 Bolts, Square	2-1	3-1	4-1	5-*	6-*	7-2
AEB02 Bolts, Hex	2-1	3-1	4-1	5-*	6-*	7-2
AEB03 Bolts, Hex, Heavy	2-1	3-1	4-1	5-*	6-*	7-2
AEB04 Bolts, Askew Head	2-1	3-1	4-1	5-*	6-*	7-2
B18.2.3.5M Metric Hex Bolts	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB05 Bolts, Hex	2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.6M Metric Heavy Hex Bolts	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB06 Bolts, Hex, Heavy	2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.7M Metric Heavy Hex Structural Bolts	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB07 Bolts, Hex, Heavy Structural	2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.10M Metric Square Head Bolts	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB08 Bolts, Square	2-1	3-3	4-2	5-*	6-*	7-2
B18.2.6 Fasteners for Use in Structural Applications (Inch Series)	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB09 Bolts, Hex, Heavy Structural	2-1	3-1	4-1	5-*	6-*	7-2
B18.5 Round Head Bolts (Inch Series)	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB10 Bolts, Round Head, (Button Head Bolts)	2-1	3-1	4-1	5-*	6-*	7-2
AEB11 Bolts, Round, Square Neck (Square Neck Carriage Bolts)	2-1	3-1	4-1	5-*	6-*	7-2
AEB12 Bolts, Round, Short Square Neck	2-1	3-1	4-1	5-*	6-*	7-2
AEB13 Bolts, Round, Ribbed Neck (Ribbed Neck Carriage Bolts)	2-1	3-1	4-1	5-*	6-*	7-2
AEB14 Bolts, Round, Fin Neck (Fin Neck Carriage Bolts)	2-1	3-1	4-1	5-*	6-*	7-2
AEB15 Bolts, Round, Step	2-1	3-1	4-1	5-*	6-*	7-2
AEB16 Bolts, Round, Countersunk, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AEB17 Bolts, Round, Countersunk, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
	Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Bolts (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other	Material	Finish	Feature
B18.5	**Round Head Bolts (Inch Series) (Cont'd)**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB18	Bolts, Round, 114 deg, Countersunk, Square Neck (Countersunk Carriage Bolts)	2-1	3-1	4-1	5-*	6-*	7-2
AEB19	Bolts, Round, Elevator, Flat Head, Countersunk	2-1	3-1	4-1	5-*	6-*	7-2
AEB20	Bolts, Round, T Head	2-1	3-1	4-1	5-*	6-*	7-2
B18.5.2.1M	**Metric Round Head Short Square Neck Bolts**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB21	Bolts, Round, Short Square Neck	2-1	3-3	4-2	5-*	6-*	7-2
B18.5.2.2M	**Metric Round Head Square Neck Bolts**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB22	Bolts, Round, Square Neck	2-1	3-3	4-2	5-*	6-*	7-2
B18.5.2.3M	**Metric Round Head Square Neck Bolts With Large Head**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB23	Bolts, Round, Square Neck, Large Head	2-1	3-3	4-2	5-*	6-*	7-2
B18.9	**Plow Bolts (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AEB24	Bolts, Plow No. 3 Regular Head (Round, Countersunk, Square Neck)	2-1	3-1	4-1	5-*	6-*	7-2
AEB25	Bolts, Plow No. 3 Repair Head (Round, Countersunk, Square Neck)	2-1	3-1	4-1	5-*	6-*	7-2
AEB26	Bolts, Plow No. 7 Regular Head (Round, Countersunk, Reverse key)	2-1	3-1	4-1	5-*	6-*	7-2
AEB27	Bolts, Plow No. 7 Repair Head (Round, Countersunk, Reverse key)	2-1	3-1	4-1	5-*	6-*	7-2
AEB28	Bolts, Plow, Square, No. 4 Repair Head (Square Head, Countersunk)	2-1	3-1	4-1	5-*	6-*	7-2
AEB29	Bolts, Plow No. 6 Repair Head (Round, Countersunk, Heavy key)	2-1	3-1	4-1	5-*	6-*	7-2
AEB30	Bolts, Plow, Square, No. 4 Regular Head (Square Head, Countersunk)	2-1	3-1	4-1	5-*	6-*	7-2
AEB31	Bolts, Plow No. 6 Regular Head (Round, Countersunk, Heavy key)	2-1	3-1	4-1	5-*	6-*	7-2
AEB32	Bolts, Track, Round, Oval Neck (Mushroom Head)	2-1	3-1	4-1	5-*	6-*	7-13
AEB33	Bolts, Track, Round, Elliptic Neck (Mushroom Head)	2-1	3-1	4-1	5-*	6-*	7-13

Inserts

B18.29.1	**Helical Coil Screws Thread Inserts—Free Running and Screw Locking (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEE01	Inserts, Helical Coil Screw Thread (Free Running)	2-1	3-1	4-4	5-*	6-*	7-1
AEE02	Inserts, Helical Coil Screw Thread (Screw Locking)	2-1	3-1	4-4	5-*	6-*	7-1
B18.29.2M	**Metric Helical Coil Screws Thread Inserts—Free Running and Screw Locking**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEE03	Inserts, Helical Coil Screw Thread (Free Running)	2-1	3-3	4-4	5-*	6-*	7-1
AEE04	Inserts, Helical Coil Screw Thread (Screw Locking)	2-1	3-3	4-4	5-*	6-*	7-1
B18.29.3	**Tangless Helical Coil Screws Thread Inserts—Free Running and Screw Locking (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEE05	Inserts, Tangless Helical Coil Screw Thread (Free Running)	2-1	3-1	4-4	5-*	6-*	7-1
AEE06	Inserts, Tangless Helical Coil Screw Thread (Screw Locking)	2-1	3-1	4-4	5-*	6-*	7-1

Keys and Keyseats

B18.25.1M	**Metric Square and Rectangular Keys and Keyways**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEK01	Keys, Square Style A	2-1	3-28	4-2	5-*	6-*	7-1
AEK02	Keys, Square Style B	2-1	3-28	4-2	5-*	6-*	7-1
AEK03	Keys, Square Style C	2-1	3-28	4-2	5-*	6-*	7-1
AEK04	Keys, Square Style A, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
AEK05	Keys, Square Style B, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
AEK06	Keys, Square Style C, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
AEK07	Keys, Rectangular Style A	2-1	3-28	4-2	5-*	6-*	7-1
AEK08	Keys, Rectangular Style B	2-1	3-28	4-2	5-*	6-*	7-1
AEK09	Keys, Rectangular Style C	2-1	3-28	4-2	5-*	6-*	7-1
AEK10	Keys, Rectangular Style A, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
AEK11	Keys, Rectangular Style B, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
AEK12	Keys, Rectangular Style C, Hardened	2-1	3-28	4-2	5-*	6-*	7-1
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Keys and Keyseats (Cont'd)

		Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.25.2M	**Metric Woodruff Keys and Keyways**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEK13	Keys, Woodruff, Normal Form		2-1	3-29	4-2	5-*	6-*	7-1
AEK14	Keys, Woodruff, Whitney Form		2-1	3-29	4-2	5-*	6-*	7-1

Screw and Washer Assemblies—Screw Component

B18.13	**Screw and Washer Assemblies (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-9***
AEM01	Sems, Hex Cap Screw		2-1	3-1	4-1	5-*	6-*	7-9
AEM14	Sems, Hex Socket Head Cap Screw		2-1	3-1	4-1	5-*	6-*	7-9
AEMC0	Sems, Flat Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMC1	Sems, Flat Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC2	Sems, Flat Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC3	Sems, Flat Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC4	Sems, Flat Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC5	Sems, 100 Deg Flat Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMC6	Sems, 100 Deg Flat Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC7	Sems, 100 Deg Flat Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC8	Sems, 100 Deg Flat Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMC9	Sems, 100 Deg Close Tolerance Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMD0	Sems, 100 Deg Close Tolerance Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD1	Sems, 100 Deg Close Tolerance Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD2	Sems, 100 Deg Close Tolerance Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD3	Sems, Oval Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMD4	Sems, Oval Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD5	Sems, Oval Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD6	Sems, Oval Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD7	Sems, Oval Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMD8	Sems, Undercut Flat Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMD9	Sems, Undercut Flat Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME0	Sems, Undercut Flat Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME1	Sems, Undercut Flat Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME2	Sems, Undercut Flat Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME3	Sems, Oval Undercut Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEME4	Sems, Oval Undercut Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME5	Sems, Oval Undercut Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME6	Sems, Oval Undercut Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME7	Sems, Oval Undercut Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEME8	Sems, Flat Trim Head Machine Screw, Type I Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEME9	Sems, Flat Trim Head Machine Screw, Type IA Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEMF0	Sems, Flat Trim Head Machine Screw, Type II Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEMF1	Sems, Oval Trim Head Machine Screw, Type I Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEMF2	Sems, Oval Trim Head Machine Screw, Type IA Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEMF3	Sems, Oval Trim Head Machine Screw, Type II Cross Recess		2-1	3-11	4-1	5-*	6-*	7-9
AEMF4	Sems, Pan Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMF5	Sems, Pan Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMF6	Sems, Pan Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMF7	Sems, Pan Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMF8	Sems, Pan Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMF9	Sems, Pan Head Machine Screw, Type I Cross Recess with Slot		2-1	3-1	4-1	5-*	6-*	7-9
AEMG0	Sems, Pan Head Machine Screw, Type IA Cross Recess with Slot		2-1	3-1	4-1	5-*	6-*	7-9
AEMG1	Sems, Pan Head Machine Screw, Type III Square Recess with Slot		2-1	3-1	4-1	5-*	6-*	7-9
AEMG2	Sems, Fillister Head Machine Screw, Slotted		2-1	3-1	4-1	5-*	6-*	7-9
AEMG3	Sems, Fillister Head Machine Screw, Type I Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMG4	Sems, Fillister Head Machine Screw, Type IA Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMG5	Sems, Fillister Head Machine Screw, Type II Cross Recess		2-1	3-1	4-1	5-*	6-*	7-9
AEMG6	Sems, Fillister Head Machine Screw, Type III Square Recess		2-1	3-1	4-1	5-*	6-*	7-9
		Field Length =	1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screw and Washer Assemblies—Screw Component (Cont'd)

B18.13 Screw and Washer Assemblies (Inch Series) (Cont'd)	Field 2	3 Thread	4 Size	5 Lg/Other	6 Material	7-9 Finish / Feature
AEMG7 Sems, Fillister Head Machine Screw, Slotted and Drilled	2-1	3-1	4-1	5-*	6-*	7-9
AEMG8 Sems, Truss Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMG9 Sems, Truss Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH0 Sems, Truss Head Machine Screw, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH1 Sems, Truss Head Machine Screw, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH2 Sems, Truss Head Machine Screw, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH3 Sems, Truss Head Machine Screw, Type I Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-9
AEMH4 Sems, Truss Head Machine Screw, Type III Square Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-9
AEMH5 Sems, Binding Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMH6 Sems, Binding Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH7 Sems, Binding Head Machine Screw, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH8 Sems, Binding Head Machine Screw, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMH9 Sems, Binding Head Machine Screw, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ0 Sems, Indented Regular Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ1 Sems, Indented Regular Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ2 Sems, Trimmed Regular Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ3 Sems, Trimmed Regular Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ4 Sems, Fully Upset Regular Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ5 Sems, Fully Upset Regular Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ6 Sems, Indented Large Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ7 Sems, Indented Large Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ8 Sems, Trimmed Large Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMJ9 Sems, Trimmed Large Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMK0 Sems, Fully Upset Large Hex Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMK1 Sems, Fully Upset Large Hex Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMK2 Sems, Indented Regular Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK3 Sems, Trimmed Regular Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK4 Sems, Fully Upset Regular Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK5 Sems, Indented Large Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK6 Sems, Trimmed Large Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK7 Sems, Fully Upset Large Hex Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMK8 Sems, Indented Hex Washer Head Machine Screw, Unslotted	2-1	3-1	4-1	5-*	6-*	7-9
AEMK9 Sems, Indented Hex Washer Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEML0 Sems, Indented Hex Washer Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML1 Sems, Indented Hex Washer Head Machine Screw, Type I Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-9
AEML2 Sems, Round Washer Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEML3 Sems, Round Washer Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML4 Sems, Round Head Machine Screw, Slotted	2-1	3-1	4-1	5-*	6-*	7-9
AEML5 Sems, Round Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML6 Sems, Round Head Machine Screw, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML7 Sems, Round Head Machine Screw, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML8 Sems, Round Head Machine Screw, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEML9 Sems, Round Head Machine Screw, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-9
AEMM0 Sems, Round Head Machine Screw, Type IA Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-9
AEMM1 Sems, Flat Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9
AEMM2 Sems, Flat Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMM3 Sems, Flat Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMM4 Sems, Flat Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMM6 Sems, 100 Deg Flat Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9
AEMM7 Sems, 100 Deg Flat Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMM8 Sems, 100 Deg Flat Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMM9 Sems, 100 Deg Flat Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMN0 Sems, Oval Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9
AEMN1 Sems, Oval Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
AEMN2 Sems, Oval Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9
Field Length =	1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screw and Washer Assemblies—Screw Component (Cont'd)

B18.13 Screw and Washer Assemblies (Inch Series) (Cont'd)	Field 2	3 Thread	4 Size	5 Lg/Other	6 Material	7-9 Finish	Feature
AEMN3 Sems, Oval Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMN5 Sems, Undercut Flat Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMN6 Sems, Undercut Flat Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMN7 Sems, Undercut Flat Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMN8 Sems, Undercut Flat Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP0 Sems, Undercut Oval Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP1 Sems, Undercut Oval Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP2 Sems, Undercut Oval Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP3 Sems, Undercut Oval Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP5 Sems, Flat Trim Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP6 Sems, Flat Trim Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP7 Sems, Flat Trim Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP8 Sems, Flat Trim Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMP9 Sems, Flat Trim Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ0 Sems, Flat Trim Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ1 Sems, Pan Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ2 Sems, Pan Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ3 Sems, Pan Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ4 Sems, Pan Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ5 Sems, Pan Head Tapping Screw, Type III Square Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMQ9 Sems, Fillister Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR0 Sems, Fillister Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR1 Sems, Fillister Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR2 Sems, Fillister Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR4 Sems, Truss Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR5 Sems, Truss Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR6 Sems, Truss Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMR7 Sems, Truss Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS1 Sems, Indented Regular Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS2 Sems, Indented Regular Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS3 Sems, Trimmed Regular Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS4 Sems, Trimmed Regular Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS5 Sems, Fully Upset Regular Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS6 Sems, Fully Upset Regular Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS7 Sems, Indented Large Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS8 Sems, Indented Large Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMS9 Sems, Trimmed Large Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT0 Sems, Trimmed Large Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT1 Sems, Fully Upset Large Hex Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT2 Sems, Fully Upset Large Hex Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT3 Sems, Indented Regular Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT4 Sems, Trimmed Regular Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT5 Sems, Fully Upset Regular Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT6 Sems, Indented Large Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT7 Sems, Trimmed Large Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT8 Sems, Fully Upset Large Hex Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMT9 Sems, Indented Hex Washer Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU0 Sems, Indented Hex Washer Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU1 Sems, Indented Hex Washer Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU3 Sems, Round Washer Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU4 Sems, Round Washer Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU5 Sems, Round Head Tapping Screw, Slotted	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU6 Sems, Round Head Tapping Screw, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU7 Sems, Round Head Tapping Screw, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMU8 Sems, Round Head Tapping Screw, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-9	
AEMV2 Sems, Round Head Tapping Screw, Unslotted	2-2	3-6	4-1	5-*	6-*	7-9	
	Field Length = 1,	3,	3,	3,	2,	1,	

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screw and Washer Assemblies—Screw Component (Cont'd)

B18.13.1M Metric Screw and Washer Assemblies	Field 2	3 Thread	4 Size	5 Lg/Other	6 Material	7-9 Finish / Feature
AEM07 Sems, Hex Cap Screw	2-1	3-3	4-2	5-*	6-*	7-9
AEM43 Sems, Hex Socket Head Cap Screw	2-1	3-3	4-2	5-*	6-*	7-9
AEMV3 Sems, Flat Head Tapping Screw, Slotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMV4 Sems, Style A Flat Head Tapping Screw, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMV5 Sems, Style A Flat Head Tapping Screw, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMV6 Sems, Style A Flat Head Tapping Screw, Type III Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMV7 Sems, Style B Flat Head Tapping Screw, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMV8 Sems, Style B Flat Head Tapping Screw, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMV9 Sems, Style B Flat Head Tapping Screw, Type III Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW0 Sems, Oval Head Tapping Screw, Slotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMW1 Sems, Oval Head Tapping Screw, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW2 Sems, Oval Head Tapping Screw, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW3 Sems, Oval Head Tapping Screw, Type III Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW4 Sems, Pan Head Tapping Screw, Slotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMW5 Sems, Pan Head Tapping Screw, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW6 Sems, Pan Head Tapping Screw, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMW7 Sems, Pan Head Tapping Screw, Type III Cross Recess	2-2	3-7	4-2	5-*	6-*	7-9
AEMX1 Sems, Indented Hex Head Tapping Screw, Unslotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMX3 Sems, Trimmed Hex Head Tapping Screw, Unslotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMX5 Sems, Fully Upset Hex Head Tapping Screw, Unslotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMX7 Sems, Hex Flange Head Tapping Screw, Unslotted	2-2	3-7	4-2	5-*	6-*	7-9
AEMY0 Sems, Flat Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMY1 Sems, Style A Flat Head Machine Screw, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY2 Sems, Style A Flat Head Machine Screw, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY3 Sems, Style A Flat Head Machine Screw, Type III Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY4 Sems, Style B Flat Head Machine Screw, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY5 Sems, Style B Flat Head Machine Screw, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY6 Sems, Style B Flat Head Machine Screw, Type III Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY7 Sems, Oval Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMY8 Sems, Oval Head Machine Screw, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMY9 Sems, Oval Head Machine Screw, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ0 Sems, Oval Head Machine Screw, Type III Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ1 Sems, Pan Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ2 Sems, Pan Head Machine Screw, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ3 Sems, Pan Head Machine Screw, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ4 Sems, Pan Head Machine Screw, Type III Cross Recess	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ8 Sems, Indented Hex Head Machine Screw, Unslotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZ9 Sems, Indented Hex Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZA Sems, Trimmed Hex Head Machine Screw, Unslotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZB Sems, Trimmed Hex Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZC Sems, Fully Upset Hex Head Machine Screw, Unslotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZD Sems, Fully Upset Hex Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZE Sems, Hex Flange Head Machine Screw, Slotted	2-1	3-3	4-2	5-*	6-*	7-9
AEMZF Sems, Hex Flange Head Machine Screw, Unslotted	2-1	3-3	4-2	5-*	6-*	7-9

Nuts

B18.2.2 Square and Hex Nuts (Inch Series)	Field 2	3 Thread	4 Size	5 Lg/Other	6 Material	7-1 Finish / Feature
AEN01 Nuts, Square	2-1	3-1	4-1	5-*	6-*	7-1
AEN02 Nuts, Hex Flat	2-1	3-1	4-1	5-*	6-*	7-1
AEN03 Nuts, Hex Flat Jam	2-1	3-1	4-1	5-*	6-*	7-1
	Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Nuts (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish Feature
B18.2.2	**Square and Hex Nuts (Inch Series) (Cont'd)**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN04	Nuts, Hex	2-1	3-1	4-1 5-* 6-*	7-1
AEN05	Nuts, Hex Jam	2-1	3-1	4-1 5-* 6-*	7-1
AEN06	Nuts, Hex Slotted	2-1	3-1	4-1 5-* 6-*	7-1
AEN07	Nuts, Hex Thick	2-1	3-1	4-1 5-* 6-*	7-1
AEN08	Nuts, Hex Thick Slotted	2-1	3-1	4-1 5-* 6-*	7-1
AEN09	Nuts, Heavy Square	2-1	3-1	4-1 5-* 6-*	7-1
AEN10	Nuts, Heavy Hex Flat	2-1	3-1	4-1 5-* 6-*	7-1
AEN11	Nuts, Heavy Hex Flat Jam	2-1	3-1	4-1 5-* 6-*	7-1
AEN12	Nuts, Heavy Hex	2-1	3-1	4-1 5-* 6-*	7-1
AEN13	Nuts, Heavy Hex Jam	2-1	3-1	4-1 5-* 6-*	7-1
AEN14	Nuts, Heavy Hex Slotted	2-1	3-1	4-1 5-* 6-*	7-1
B18.2.4.1M	**Metric Hex Nuts, Style 1**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN15	Nuts, Hex, Style 1	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.4.2M	**Metric Hex Nuts, Style 2**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN16	Nuts, Hex, Style 2	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.4.3M	**Metric Slotted Hex Nuts**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN17	Nuts, Hex, Slotted	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.4.4M	**Metric Hex Flange Nuts**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN18	Nuts, Hex, Flange	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.4.5M	**Metric Hex Jam Nuts**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN19	Nuts, Hex, Jam	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.4.6M	**Metric Heavy Hex Nuts**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN20	Nuts, Heavy Hex	2-1	3-3	4-2 5-* 6-*	7-1
B18.2.6	**Fasteners for Use in Structural Applications (Inch Series)**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN21	Nuts, Heavy Hex (for use with Structural Bolts)	2-1	3-1	4-1 5-* 6-*	7-1
B18.6.3	**Machine Screws and Machine Screw Nuts (Inch Series)**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN22	Nuts, Machine, Square	2-1	3-1	4-1 5-* 6-*	7-1
AEN23	Nuts, Machine, Hex	2-1	3-1	4-1 5-* 6-*	7-1
B18.10	**Track Bolts and Nuts (Inch Series)**	***Field 2***	***3***	***4 5 6***	***7-13[/I***
AEN24	Nuts, Track Bolt (Low Carbon)	2-1	3-1	4-1 5-* 6-*	7-13
AEN25	Nuts, Track Bolt (Medium Carbon)	2-1	3-1	4-1 5-* 6-*	7-13
B18.16M	**Metric Prevailing-Torque Type Steel Hex Nuts and Hex Flange Nuts**	***Field 2***	***3***	***4 5 6***	***7-1***
AEN26	Nuts, Hex, Prevailing-Torque Type (All Metal)	2-1	3-3	4-2 5-* 6-*	7-1
AEN27	Nuts, Hex, Prevailing-Torque Type (Nonmetallic Prevailing Torque Element in Threads)	2-1	3-3	4-2 5-* 6-*	7-1
AEN28	Nuts, Hex, Prevailing-Torque Type (Top Insert)	2-1	3-3	4-2 5-* 6-*	7-1
AEN29	Nuts, Hex Flange, Prevailing-Torque Type (All Metal)	2-1	3-3	4-2 5-* 6-*	7-1
AEN30	Nuts, Hex Flange, Prevailing-Torque Type (Nonmetallic Prevailing Torque Element in Threads)	2-1	3-3	4-2 5-* 6-*	7-1
AEN31	Nuts, Hex Flange, Prevailing-Torque Type (Top Insert)	2-1	3-3	4-2 5-* 6-*	7-1
		Field Length = 1,	3,	3, 3, 2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Pins	Applicable Table References:	Thread Size	Lg/Other	Material	Finish	Feature
B18.8.1 Clevis Pins and Cotter Pins (Inch Series)	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP01 Pins, Clevis		2-1	3-2	4-5	5-*	6-*	7-1
AEP02 Pins, Cotter		2-1	3-2	4-1	5-*	6-*	7-7
B18.8.2 Taper Pins, Dowel Pins, Straight Pins, Grooved Pins, and Spring Pins (Inch Series)	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP03 Pins, Taper, Commercial Class		2-1	3-19	4-1	5-*	6-*	7-1
AEP04 Pins, Taper, Precision Class		2-1	3-19	4-1	5-*	6-*	7-1
AEP05 Pins, Dowel, Hardened Ground Machine, Standard Series		2-1	3-2	4-1	5-*	6-*	7-1
AEP06 Pins, Dowel, Hardened Ground Machine, Oversize Series		2-1	3-2	4-1	5-*	6-*	7-1
AEP07 Pins, Dowel, Hardened Ground Production		2-1	3-2	4-1	5-*	6-*	7-1
AEP08 Pins, Dowel, Unhardened Ground		2-1	3-2	4-1	5-*	6-*	7-1
AEP09 Pins, Straight, Chamfered and Square End		2-1	3-2	4-1	5-*	6-*	7-8
AEP10 Pins, Grooved, Low Carbon or Alloy Steel, Type A		2-1	3-2	4-1	5-*	6-*	7-1
AEP11 Pins, Grooved, Corrosion Resistant Steel and Monel, Type A		2-1	3-2	4-1	5-*	6-*	7-1
AEP12 Pins, Grooved, Low Carbon or Alloy Steel, Type E		2-1	3-2	4-1	5-*	6-*	7-1
AEP13 Pins, Grooved, Corrosion Resistant Steel and Monel, Type E		2-1	3-2	4-1	5-*	6-*	7-1
AEP14 Pins, Grooved, Low Carbon or Alloy Steel, Type F		2-1	3-2	4-1	5-*	6-*	7-1
AEP15 Pins, Grooved, Corrosion Resistant Steel and Monel, Type F		2-1	3-2	4-1	5-*	6-*	7-1
AEP16 Pins, Grooved, Low Carbon or Alloy Steel, Type G		2-1	3-2	4-1	5-*	6-*	7-1
AEP17 Pins, Grooved, Corrosion Resistant Steel and Monel, Type G		2-1	3-2	4-1	5-*	6-*	7-1
AEP18 Pins, Grooved, Low Carbon or Alloy Steel, Type H		2-1	3-2	4-1	5-*	6-*	7-1
AEP19 Pins, Grooved, Corrosion-Resistant Steel and Monel, Type H		2-1	3-2	4-1	5-*	6-*	7-1
AEP20 Pins, Round Head Grooved Drive Stud		2-1	3-18	4-1	5-*	6-*	7-1
AEP21 Pins, Grooved, T-Head Cotter		2-1	3-2	4-1	5-*	6-*	7-1
AEP22 Pins, Spring, Slotted Type		2-1	3-2	4-1	5-*	6-*	7-1
AEP23 Pins, Spring, Coiled Type, Standard Duty		2-1	3-2	4-1	5-*	6-*	7-1
AEP24 Pins, Spring, Coiled Type, Heavy Duty		2-1	3-2	4-1	5-*	6-*	7-1
AEP25 Pins, Spring, Coiled Type, Light Duty		2-1	3-2	4-1	5-*	6-*	7-1
B18.8.3M Metric Spring Pins—Coiled Type	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP26 Pins, Spring, Coiled Type, Standard Duty		2-1	3-4	4-2	5-*	6-*	7-1
AEP27 Pins, Spring, Coiled Type, Heavy Duty		2-1	3-4	4-2	5-*	6-*	7-1
AEP28 Pins, Spring, Coiled Type, Light Duty		2-1	3-4	4-2	5-*	6-*	7-1
B18.8.4M Metric Spring Pins—Slotted	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP29 Pins, Spring, Slotted Type A		2-1	3-4	4-2	5-*	6-*	7-1
AEP30 Pins, Spring, Slotted Type B		2-1	3-4	4-2	5-*	6-*	7-1
B18.8.5M Metric Dowel Pins—Hardened Ground	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP31 Pins, Dowel, Machine, Hardened Ground, Standard Series		2-1	3-4	4-2	5-*	6-*	7-1
AEP32 Pins, Dowel, Machine, Hardened Ground, Oversize Series		2-1	3-4	4-2	5-*	6-*	7-1
B18.8.6M Metric Cotter Pins	***Field 2***	***3***	***4***	***5***	***6***	***7-7***
AEP33 Pins, Cotter		2-1	3-4	4-2	5-*	6-*	7-7
B18.8.7M Metric Headless Clevis Pins	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP34 Pins, Clevis, Headless, Type A Unhardened		2-1	3-4	4-2	5-*	6-*	7-1
AEP35 Pins, Clevis, Headless, Type A Hardened		2-1	3-4	4-2	5-*	6-*	7-1
AEP36 Pins, Clevis, Headless, Type B Unhardened		2-1	3-4	4-2	5-*	6-*	7-1
AEP37 Pins, Clevis, Headless, Type B Hardened		2-1	3-4	4-2	5-*	6-*	7-1
	Field Length =	1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Pins (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish	Feature
B18.8.8M	**Metric Headless Clevis Pins**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP38	Pins, Clevis, Headed, Type A Unhardened	2-1	3-4	4-2	5-*	6-*	7-1
AEP39	Pins, Clevis, Headed, Type A Hardened	2-1	3-4	4-2	5-*	6-*	7-1
AEP40	Pins, Clevis, Headed, Type B Unhardened	2-1	3-4	4-2	5-*	6-*	7-1
AEP41	Pins, Clevis, Headed, Type B Hardened	2-1	3-4	4-2	5-*	6-*	7-1
B18.8.9M	**Metric Grooved Pins**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEP42	Pins, Grooved, Type 39	2-1	3-4	4-2	5-*	6-*	7-1
AEP43	Pins, Grooved, Type 40	2-1	3-4	4-2	5-*	6-*	7-1
AEP44	Pins, Grooved, Type 42	2-1	3-4	4-2	5-*	6-*	7-1
AEP45	Pins, Grooved, Type 43	2-1	3-4	4-2	5-*	6-*	7-1
AEP46	Pins, Grooved, Type 43-1	2-1	3-4	4-2	5-*	6-*	7-1
AEP47	Pins, Grooved, Type 43-2	2-1	3-4	4-2	5-*	6-*	7-1
AEP48	Pins, Grooved, Type 44	2-1	3-4	4-2	5-*	6-*	7-1
AEP49	Pins, Grooved, Type 45	2-1	3-4	4-2	5-*	6-*	7-1
AEP50	Pins, Grooved, Type 46-1	2-1	3-4	4-2	5-*	6-*	7-1
AEP51	Pins, Grooved, Type 46-2	2-1	3-4	4-2	5-*	6-*	7-1
AEP52	Pins, Grooved, Type 47-1	2-1	3-4	4-2	5-*	6-*	7-1
AEP53	Pins, Grooved, Type 47-2	2-1	3-4	4-2	5-*	6-*	7-1

Retaining Rings

B18.27.1	**Tapered and Reduced Cross Section Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER01	Retaining Rings, External Type NA1	2-1	3-20	4-1	5-*	6-*	7-1
AER02	Retaining Rings, Internal Type NA2	2-1	3-20	4-1	5-*	6-*	7-1
AER03	Retaining Rings, E-Ring Type NA3	2-1	3-20	4-1	5-*	6-*	7-1
B18.27.2	**Tapered and Reduced Cross Section Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER04	Retaining Rings, Heavy Duty External Type NA4	2-1	3-20	4-1	5-*	6-*	7-1
AER05	Retaining Rings, Reinforced E-Rings Type NA5	2-1	3-20	4-1	5-*	6-*	7-1
AER06	Retaining Rings, C-Type NA6	2-1	3-20	4-1	5-*	6-*	7-1
B18.27.3	**Tapered and Reduced Cross Section Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER07	Retaining Rings, Bowed External Rings NA7	2-1	3-20	4-1	5-*	6-*	7-1
AER08	Retaining Rings, Bowed Internal Rings NA8	2-1	3-20	4-1	5-*	6-*	7-1
AER09	Retaining Rings, Bowed External E-Rings NA9	2-1	3-20	4-1	5-*	6-*	7-1
B18.27.4	**Tapered and Reduced Cross Section Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER10	Retaining Rings, Inverted External NA10	2-1	3-20	4-1	5-*	6-*	7-1
AER11	Retaining Rings, Inverted Internal NA11	2-1	3-20	4-1	5-*	6-*	7-1
AER12	Retaining Rings, Beveled External NA12	2-1	3-20	4-1	5-*	6-*	7-1
AER13	Retaining Rings, Beveled Internal NA13	2-1	3-20	4-1	5-*	6-*	7-1
B18.27.5	**Tapered and Reduced Cross Section Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER14	Retaining Rings, External Self-Locking Rings Type NA14	2-1	3-20	4-1	5-*	6-*	7-1
AER15	Retaining Rings, External Interlocking Rings Type NA15	2-1	3-20	4-1	5-*	6-*	7-1
AER16	Retaining Rings, External Bowed Locking Prongs Rings Type NA16	2-1	3-20	4-1	5-*	6-*	7-1
B18.27.6	**General Purpose Uniform Cross Section Spiral Retaining Rings (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AER17	Retaining Rings, GP Uniform Cross Section Spiral, Light Duty External Type	2-1	3-21	4-1	5-*	6-*	7-1
AER18	Retaining Rings, GP Uniform Cross Section Spiral, Heavy Duty External Type	2-1	3-21	4-1	5-*	6-*	7-1
AER19	Retaining Rings, GP Uniform Cross Section Spiral, Light Duty Internal Type	2-1	3-21	4-1	5-*	6-*	7-1
AER20	Retaining Rings, GP Uniform Cross Section Spiral, Heavy Duty Internal Type	2-1	3-21	4-1	5-*	6-*	7-1
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Retaining Rings (Cont'd)

		Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.27.7M	**Metric Tapered and Reduced Cross Section Retaining Rings**	***Field 2***		***3***	***4***	***5***	***6***	***7-1***
AER21	Retaining Rings, GP Tapered and Reduced Cross Section, Basic External Series Type 3AM1		2-1	3-20	4-2	5-*	6-*	7-1
AER22	Retaining Rings, GP Tapered and Reduced Cross Section, Basic Internal Series Type 3BM1		2-1	3-20	4-2	5-*	6-*	7-1
AER23	Retaining Rings, GP Tapered and Reduced Cross Section, E-Ring External Series Type 3CM1		2-1	3-20	4-2	5-*	6-*	7-1
B18.27.8M	**Metric Tapered and Reduced Cross Section Retaining Rings**	***Field 2***		***3***	***4***	***5***	***6***	***7-1***
AER24	Retaining Rings, GP Tapered and Reduced Cross Section, Heavy Duty 1 Ring External Series Type 3DM		2-1	3-20	4-2	5-*	6-*	7-1
AER25	Retaining Rings, GP Tapered and Reduced Cross Section, Reinforced 1 E-Ring External Series Type 3EM		2-1	3-20	4-2	5-*	6-*	7-1
AER26	Retaining Rings, GP Tapered and Reduced Cross Section, C-Ring External Series Type 3FM1		2-1	3-20	4-2	5-*	6-*	7-1

Screws

B18.2.1	**Square and Hex Bolts and Screws (Inch Series)**	***Field 2***		***3***	***4***	***5***	***6***	***7-2***
AES01	Screws, Cap, Hex (Finished Hex Bolt)		2-1	3-1	4-1	5-*	6-*	7-2
AES02	Screws, Hex, Heavy		2-1	3-1	4-1	5-*	6-*	7-2
AES03	Screws, Lag, Square Head, Gimlet Point		2-1	3-13	4-1	5-*	6-*	7-1
AES04	Screws, Lag, Square Head, Cone Point		2-1	3-13	4-1	5-*	6-*	7-1
AES05	Screws, Lag, Hex Head, Gimlet Point		2-1	3-13	4-1	5-*	6-*	7-1
AES06	Screws, Lag, Hex Head, Cone Point		2-1	3-13	4-1	5-*	6-*	7-1
B18.2.3.1M	**Metric Hex Cap Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-2***
AES07	Screws, Cap, Hex		2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.2M	**Metric Formed Hex Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-2***
AES08	Screws, Hex, Formed		2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.3M	**Metric Heavy Hex Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-2***
AES09	Screws, Hex, Heavy		2-1	3-3	4-2	5-*	6-*	7-2
B18.2.3.4M	**Metric Hex Flange Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-4***
AES10	Screws, Hex, Flange		2-1	3-3	4-2	5-*	6-*	7-4
B18.2.3.8M	**Metric Hex Lag Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-1***
AES11	Screws, Lag, Hex Head, Gimlet Point		2-1	3-4	4-2	5-*	6-*	7-1
B18.2.3.9M	**Metric Heavy Hex Flange Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-4***
AES12	Screws, Heavy Hex, Flange		2-1	3-3	4-2	5-*	6-*	7-4
B18.2.7.1M	**Metric 12-Spline Flange Screws**	***Field 2***		***3***	***4***	***5***	***6***	***7-5***
AES13	Screws, 12-Spline, Flange		2-1	3-3	4-2	5-*	6-*	7-5
B18.3	**Socket Cap, Shoulder, and Set Screws, Hex and Spline Keys (Inch Series)**	***Field 2***		***3***	***4***	***5***	***6***	***7-11[/I***
AES14	Screws, Cap, Hex Socket Head		2-1	3-1	4-1	5-*	6-*	7-11
AES15	Screws, Cap, Spline Socket Head		2-1	3-1	4-1	5-*	6-*	7-2
AES16	Screws, Cap, Hex Socket, Flat Countersunk Head		2-1	3-1	4-1	5-*	6-*	7-2
AES17	Screws, Cap, Spline Socket, Flat Countersunk Head		2-1	3-1	4-1	5-*	6-*	7-2
AES18	Screws, Cap, Hex Socket, Button Head		2-1	3-1	4-1	5-*	6-*	7-2
AES19	Screws, Cap, Spline Socket, Button Head		2-1	3-1	4-1	5-*	6-*	7-2
AES20	Screws, Shoulder, Hex Socket Head		2-1	3-8	4-1	5-*	6-*	7-2
AES21	Screws, Set, Spline Socket, Cup Point Type, A		2-1	3-10	4-1	5-*	6-*	7-12
		Field Length =	1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish	Feature
B18.3	**Socket Cap, Shoulder, and Set Screws, Hex and Spline Keys (Inch Series) (Cont'd)**	***Field 2***	***3***	***4***	***5***	***6 7-11[/I***
AES22	Screws, Set, Spline Socket, Small Cup Point, Type B	2-1	3-10	4-1	5-*	6-* 7-12
AES23	Screws, Set, Spline Socket, Knurled Cup Point, Type C	2-1	3-10	4-1	5-*	6-* 7-12
AES24	Screws, Set, Spline Socket, Hexagon Cup Point, Type D	2-1	3-10	4-1	5-*	6-* 7-12
AES25	Screws, Set, Spline Socket, W Cup Point, Type E	2-1	3-10	4-1	5-*	6-* 7-12
AES26	Screws, Set, Spline Socket, Nu-Cup Point, Type F	2-1	3-10	4-1	5-*	6-* 7-12
AES27	Screws, Set, Spline Socket, Nu-Cup Point, Type G	2-1	3-10	4-1	5-*	6-* 7-12
AES28	Screws, Set, Spline Socket, Cone Point	2-1	3-10	4-1	5-*	6-* 7-12
AES29	Screws, Set, Spline Socket, Flat Point	2-1	3-10	4-1	5-*	6-* 7-12
AES30	Screws, Set, Spline Socket, Half Dog Point	2-1	3-10	4-1	5-*	6-* 7-12
AES31	Screws, Set, Spline Socket, Oval Point	2-1	3-10	4-1	5-*	6-* 7-12
AES32	Screws, Set, Hex Socket, Cup Point, Type A	2-1	3-1	4-1	5-*	6-* 7-12
AES33	Screws, Set, Hex Socket, Small Cup Point, Type B	2-1	3-1	4-1	5-*	6-* 7-12
AES34	Screws, Set, Hex Socket, Knurled Cup Point, Type C	2-1	3-1	4-1	5-*	6-* 7-12
AES35	Screws, Set, Hex Socket, Hexagon Cup Point, Type D	2-1	3-1	4-1	5-*	6-* 7-12
AES36	Screws, Set, Hex Socket, W Cup Point, Type E	2-1	3-1	4-1	5-*	6-* 7-12
AES37	Screws, Set, Hex Socket, Nu-Cup Point, Type F	2-1	3-1	4-1	5-*	6-* 7-12
AES38	Screws, Set, Hex Socket, Nu-Cup Point, Type G	2-1	3-1	4-1	5-*	6-* 7-12
AES39	Screws, Set, Hex Socket, Cone Point	2-1	3-1	4-1	5-*	6-* 7-12
AES40	Screws, Set, Hex Socket, Flat Point	2-1	3-1	4-1	5-*	6-* 7-12
AES41	Screws, Set, Hex Socket, Half Dog Point	2-1	3-1	4-1	5-*	6-* 7-12
AES42	Screws, Set, Hex Socket, Oval Point	2-1	3-1	4-1	5-*	6-* 7-12
B18.3.1M	**Metric Socket Head Cap Screws**	***Field 2***	***3***	***4***	***5***	***6 7-11[/I***
AES43	Screws, Cap, Hex Socket Head	2-1	3-3	4-2	5-*	6-* 7-11
AES44	Screws, Cap, Spline Socket Head	2-1	3-3	4-2	5-*	6-* 7-2
B18.3.3M	**Metric Hexagon Socket Head Shoulder Screws**	***Field 2***	***3***	***4***	***5***	***6 7-2***
AES45	Screws, Shoulder, Hex Socket	2-1	3-9	4-2	5-*	6-* 7-2
B18.3.4M	**Metric Socket Button Head Cap Screws**	***Field 2***	***3***	***4***	***5***	***6 7-2***
AES46	Screws, Cap, Hex Socket, Button Head	2-1	3-3	4-2	5-*	6-* 7-2
B18.3.5M	**Metric Hexagon Socket Flat Countersunk Head Cap Screws**	***Field 2***	***3***	***4***	***5***	***6 7-2***
AES47	Screws, Cap, Hex Socket Flat Countersunk Head	2-1	3-3	4-2	5-*	6-* 7-2
B18.3.6M	**Metric Socket Set Screws**	***Field 2***	***3***	***4***	***5***	***6 7-12[/I***
AES48	Screws, Set, Spline Socket, Cup Point, Type I	2-1	3-3	4-2	5-*	6-* 7-12
AES49	Screws, Set, Spline Socket, Cup Point, Type II	2-1	3-3	4-2	5-*	6-* 7-12
AES50	Screws, Set, Spline Socket, Cup Point, Type III	2-1	3-3	4-2	5-*	6-* 7-12
AES51	Screws, Set, Spline Socket, Cup Point, Type IV	2-1	3-3	4-2	5-*	6-* 7-12
AES52	Screws, Set, Spline Socket, Cup Point, Type V	2-1	3-3	4-2	5-*	6-* 7-12
AES53	Screws, Set, Spline Socket, Cone Point	2-1	3-3	4-2	5-*	6-* 7-12
AES54	Screws, Set, Spline Socket, Flat Point	2-1	3-3	4-2	5-*	6-* 7-12
AES55	Screws, Set, Spline Socket, Half Dog Point	2-1	3-3	4-2	5-*	6-* 7-12
AES56	Screws, Set, Spline Socket, Oval Point	2-1	3-3	4-2	5-*	6-* 7-12
AES57	Screws, Set, Hex Socket, Cup Point, Type I	2-1	3-3	4-2	5-*	6-* 7-12
AES58	Screws, Set, Hex Socket, Cup Point, Type II	2-1	3-3	4-2	5-*	6-* 7-12
AES59	Screws, Set, Hex Socket, Cup Point, Type III	2-1	3-3	4-2	5-*	6-* 7-12
AES60	Screws, Set, Hex Socket, Cup Point, Type IV	2-1	3-3	4-2	5-*	6-* 7-12
AES61	Screws, Set, Hex Socket, Cup Point, Type V	2-1	3-3	4-2	5-*	6-* 7-12
AES62	Screws, Set, Hex Socket, Cone Point	2-1	3-3	4-2	5-*	6-* 7-12
AES63	Screws, Set, Hex Socket, Flat Point	2-1	3-3	4-2	5-*	6-* 7-12
AES64	Screws, Set, Hex Socket, Half Dog Point	2-1	3-3	4-2	5-*	6-* 7-12
AES65	Screws, Set, Hex Socket, Oval Point	2-1	3-3	4-2	5-*	6-* 7-12
		Field Length = 1,	3,	3,	3,	2, 1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish Feature		
B18.6.1	**Wood Screws (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-10[/I***
AES66	Screws, Wood, Flat Head, Slotted	2-1	3-12	4-1	5-*	6-*	7-10
AES67	Screws, Wood, Flat Head, Type I Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES68	Screws, Wood, Flat Head, Type IA Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES69	Screws, Wood, Flat Head, Type II Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES70	Screws, Wood, Oval Head, Slotted	2-1	3-12	4-1	5-*	6-*	7-10
AES71	Screws, Wood, Oval Head, Type I Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES72	Screws, Wood, Oval Head, Type IA Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES73	Screws, Wood, Oval Head, Type II Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES74	Screws, Wood, Pan Head, Slotted	2-1	3-12	4-1	5-*	6-*	7-10
AES75	Screws, Wood, Pan Head, Type I Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES76	Screws, Wood, Pan Head, Type IA Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
AES77	Screws, Wood, Pan Head, Type II Cross Recess	2-1	3-12	4-1	5-*	6-*	7-10
B18.6.2	**Slotted Head Cap Screws, Square Head Set Screws, and Slotted Headless Set Screws (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AES78	Screws, Cap, Flat Countersunk Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AES79	Screws, Cap, Round Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AES80	Screws, Cap, Fillister Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AES81	Screws, Set, Square Head, Cup Point	2-1	3-1	4-1	5-*	6-*	7-12
AES82	Screws, Set, Square Head, Cone Point	2-1	3-1	4-1	5-*	6-*	7-12
AES83	Screws, Set, Square Head, Flat Point	2-1	3-1	4-1	5-*	6-*	7-12
AES84	Screws, Set, Square Head, Half Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES85	Screws, Set, Square Head, Full Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES86	Screws, Set, Square Head, Oval Point	2-1	3-1	4-1	5-*	6-*	7-12
AES87	Screws, Set, Square Head, Optional Relieved Neck, Cup Point	2-1	3-1	4-1	5-*	6-*	7-12
AES88	Screws, Set, Square Head, Optional Relieved Neck, Cone Point	2-1	3-1	4-1	5-*	6-*	7-12
AES89	Screws, Set, Square Head, Optional Relieved Neck, Flat Point	2-1	3-1	4-1	5-*	6-*	7-12
AES90	Screws, Set, Square Head, Optional Relieved Neck, Half Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES91	Screws, Set, Square Head, Optional Relieved Neck, Full Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES92	Screws, Set, Square Head, Optional Relieved Neck, Oval Point	2-1	3-1	4-1	5-*	6-*	7-12
AES93	Screws, Set, Slotted Headless, Cup Point	2-1	3-1	4-1	5-*	6-*	7-12
AES94	Screws, Set, Slotted Headless, Cone Point	2-1	3-1	4-1	5-*	6-*	7-12
AES95	Screws, Set, Slotted Headless, Flat Point	2-1	3-1	4-1	5-*	6-*	7-12
AES96	Screws, Set, Slotted Headless, Half Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES97	Screws, Set, Slotted Headless, Full Dog Point	2-1	3-1	4-1	5-*	6-*	7-12
AES98	Screws, Set, Slotted Headless, Oval Point	2-1	3-1	4-1	5-*	6-*	7-12
B18.6.3	**Machine Screws and Machine Screw Nuts (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AESC0	Screws, Machine, Flat Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESC1	Screws, Machine, Flat Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC2	Screws, Machine, Flat Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC3	Screws, Machine, Flat Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC4	Screws, Machine, Flat Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC5	Screws, Machine, Flat Head, 100 deg, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESC6	Screws, Machine, Flat Head, 100 deg, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC7	Screws, Machine, Flat Head, 100 deg, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC8	Screws, Machine, Flat Head, 100 deg, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESC9	Screws, Machine, Flat Head, Close Tolerance, 100 deg, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESD0	Screws, Machine, Flat Head, Close Tolerance, 100 deg, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD1	Screws, Machine, Flat Head, Close Tolerance, 100 deg, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD2	Screws, Machine, Flat Head, Close Tolerance, 100 deg, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD3	Screws, Machine, Oval Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESD4	Screws, Machine, Oval Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD5	Screws, Machine, Oval Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
		Field Length =	1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)

		Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.6.3	**Machine Screws and Machine Screw Nuts (Inch Series) (Cont'd)**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AESD6	Screws, Machine, Oval Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD7	Screws, Machine, Oval Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESD8	Screws, Machine, Flat Head, Undercut, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESD9	Screws, Machine, Flat Head, Undercut, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE0	Screws, Machine, Flat Head, Undercut, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE1	Screws, Machine, Flat Head, Undercut, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE2	Screws, Machine, Flat Head, Undercut, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE3	Screws, Machine, Oval Undercut Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESE4	Screws, Machine, Oval Undercut Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE5	Screws, Machine, Oval Undercut Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE6	Screws, Machine, Oval Undercut Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE7	Screws, Machine, Oval Undercut Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESE8	Screws, Machine, Flat Trim Head, Type I Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESE9	Screws, Machine, Flat Trim Head, Type IA Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESF0	Screws, Machine, Flat Trim Head, Type II Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESF1	Screws, Machine, Oval Trim Head, Type I Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESF2	Screws, Machine, Oval Trim Head, Type IA Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESF3	Screws, Machine, Oval Trim Head, Type II Cross Recess	2-1	3-11	4-1	5-*	6-*	7-2
AESF4	Screws, Machine, Pan Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESF5	Screws, Machine, Pan Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESF6	Screws, Machine, Pan Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESF7	Screws, Machine, Pan Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESF8	Screws, Machine, Pan Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESF9	Screws, Machine, Pan Head, Type I Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-2
AESG0	Screws, Machine, Pan Head, Type IA Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-2
AESG1	Screws, Machine, Pan Head, Type III Square Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-2
AESG2	Screws, Machine, Fillister Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESG3	Screws, Machine, Fillister Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESG4	Screws, Machine, Fillister Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESG5	Screws, Machine, Fillister Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESG6	Screws, Machine, Fillister Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESG7	Screws, Machine, Fillister Head, Slotted and Drilled	2-1	3-1	4-1	5-*	6-*	7-2
AESG8	Screws, Machine, Truss Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESG9	Screws, Machine, Truss Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH0	Screws, Machine, Truss Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH1	Screws, Machine, Truss Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH2	Screws, Machine, Truss Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH3	Screws, Machine, Truss Head, Type I Cross Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-2
AESH4	Screws, Machine, Truss Head, Type III Square Recess with Slot	2-1	3-1	4-1	5-*	6-*	7-2
AESH5	Screws, Machine, Binding Head, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESH6	Screws, Machine, Binding Head, Type I Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH7	Screws, Machine, Binding Head, Type IA Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH8	Screws, Machine, Binding Head, Type II Cross Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESH9	Screws, Machine, Binding Head, Type III Square Recess	2-1	3-1	4-1	5-*	6-*	7-2
AESJ0	Screws, Machine, Regular Hex Head, Indented, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ1	Screws, Machine, Regular Hex Head, Indented, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ2	Screws, Machine, Regular Hex Head, Trimmed, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ3	Screws, Machine, Regular Hex Head, Trimmed, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ4	Screws, Machine, Regular Hex Head, Fully Upset, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ5	Screws, Machine, Regular Hex Head, Fully Upset, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ6	Screws, Machine, Large Hex Head, Indented, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ7	Screws, Machine, Large Hex Head, Indented, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ8	Screws, Machine, Large Hex Head, Trimmed, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESJ9	Screws, Machine, Large Hex Head, Trimmed, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
AESK0	Screws, Machine, Large Hex Head, Fully Upset, Unslotted	2-1	3-1	4-1	5-*	6-*	7-2
AESK1	Screws, Machine, Large Hex Head, Fully Upset, Slotted	2-1	3-1	4-1	5-*	6-*	7-2
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish Feature
B18.6.3	**Machine Screws and Machine Screw Nuts (Inch Series) (Cont'd)**	***Field 2***	***3***	***4 5 6***	***7-2***
AESK2	Screws, Machine, Regular Hex Head, Indented, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK3	Screws, Machine, Regular Hex Head, Trimmed, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK4	Screws, Machine, Regular Hex Head, Fully Upset, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK5	Screws, Machine, Large Hex Head, Indented, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK6	Screws, Machine, Large Hex Head, Trimmed, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK7	Screws, Machine, Large Hex Head, Fully Upset, Type I Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESK8	Screws, Machine, Hex Washer Head, Indented, Unslotted	2-1	3-1	4-1 5-* 6-*	7-2
AESK9	Screws, Machine, Hex Washer Head, Indented, Slotted	2-1	3-1	4-1 5-* 6-*	7-2
AESL0	Screws, Machine, Hex Washer Head, Indented, Type I Cross Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL1	Screws, Machine, Hex Washer Head, Indented, Type I Cross Recess with Slot	2-1	3-1	4-1 5-* 6-*	7-2
AESL2	Screws, Machine, Round Washer Head, Slotted	2-1	3-1	4-1 5-* 6-*	7-2
AESL3	Screws, Machine, Round Washer Head, Type I Cross Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL4	Screws, Machine, Round Head, Slotted	2-1	3-1	4-1 5-* 6-*	7-2
AESL5	Screws, Machine, Round Head, Type I Cross Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL6	Screws, Machine, Round Head, Type IA Cross Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL7	Screws, Machine, Round Head, Type II Cross Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL8	Screws, Machine, Round Head, Type III Square Recess	2-1	3-1	4-1 5-* 6-*	7-2
AESL9	Screws, Machine, Round Head, Type I Cross Recess with Slot	2-1	3-1	4-1 5-* 6-*	7-2
AESM0	Screws, Machine, Round Head, Type IA Cross Recess with Slot	2-1	3-1	4-1 5-* 6-*	7-2
B18.6.4	**Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws (Inch Series)**	***Field 2***	***3***	***4 5 6***	***7-1***
AESM1	Screws, Tapping, Flat Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESM2	Screws, Tapping, Flat Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESM3	Screws, Tapping, Flat Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESM4	Screws, Tapping, Flat Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESM6	Screws, Tapping, 100 deg Flat Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESM7	Screws, Tapping, 100 deg Flat Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESM8	Screws, Tapping, 100 deg Flat Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESM9	Screws, Tapping, 100 deg Flat Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN0	Screws, Tapping, Oval Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESN1	Screws, Tapping, Oval Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN2	Screws, Tapping, Oval Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN3	Screws, Tapping, Oval Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN5	Screws, Tapping, Flat Head, Undercut, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESN6	Screws, Tapping, Flat Head, Undercut, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN7	Screws, Tapping, Flat Head, Undercut, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESN8	Screws, Tapping, Flat Head, Undercut, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP0	Screws, Tapping, Oval Undercut Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESP1	Screws, Tapping, Oval Undercut Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP2	Screws, Tapping, Oval Undercut Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP3	Screws, Tapping, Oval Undercut Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP5	Screws, Tapping, Flat Trim Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP6	Screws, Tapping, Flat Trim Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP7	Screws, Tapping, Flat Trim Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP8	Screws, Tapping, Oval Trim Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESP9	Screws, Tapping, Oval Trim Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESQ0	Screws, Tapping, Oval Trim Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESQ1	Screws, Tapping, Pan Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESQ2	Screws, Tapping, Pan Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESQ3	Screws, Tapping, Pan Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESQ4	Screws, Tapping, Pan Head, Type II Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESQ9	Screws, Tapping, Fillister Head, Slotted	2-2	3-6	4-1 5-* 6-*	7-1
AESR0	Screws, Tapping, Fillister Head, Type I Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
AESR1	Screws, Tapping, Fillister Head, Type IA Cross Recess	2-2	3-6	4-1 5-* 6-*	7-1
		Field Length =	1,	3, 3, 3, 2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)		Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.6.4	**Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws (Inch Series) (Cont'd)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AESR2	Screws, Tapping, Fillister Head, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESR4	Screws, Tapping, Truss Head, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESR5	Screws, Tapping, Truss Head, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESR6	Screws, Tapping, Truss Head, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESR7	Screws, Tapping, Truss Head, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESS1	Screws, Tapping, Regular Hex Head, Indented, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS2	Screws, Tapping, Regular Hex Head, Indented, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS3	Screws, Tapping, Regular Hex Head, Trimmed, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS4	Screws, Tapping, Regular Hex Head, Trimmed, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS5	Screws, Tapping, Regular Hex Head, Fully Upset, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS6	Screws, Tapping, Regular Hex Head, Fully Upset, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS7	Screws, Tapping, Large Hex Head, Indented, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS8	Screws, Tapping, Large Hex Head, Indented, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESS9	Screws, Tapping, Large Hex Head, Trimmed, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AEST0	Screws, Tapping, Large Hex Head, Trimmed, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AEST1	Screws, Tapping, Large Hex Head, Fully Upset, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AEST2	Screws, Tapping, Large Hex Head, Fully Upset, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AEST3	Screws, Tapping, Regular Hex Head, Indented, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST4	Screws, Tapping, Regular Hex Head, Trimmed, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST5	Screws, Tapping, Regular Hex Head, Fully Upset, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST6	Screws, Tapping, Large Hex Head, Indented, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST7	Screws, Tapping, Large Hex Head, Trimmed, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST8	Screws, Tapping, Large Hex Head, Fully Upset, Type I Recess	2-2	3-6	4-1	5-*	6-*	7-1
AEST9	Screws, Tapping, Hex Washer Head, Indented, Unslotted	2-2	3-6	4-1	5-*	6-*	7-1
AESU0	Screws, Tapping, Hex Washer Head, Indented, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESU1	Screws, Tapping, Hex Washer Head, Indented, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESU3	Screws, Tapping, Round Washer Head, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESU4	Screws, Tapping, Round Washer Head, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESU5	Screws, Tapping, Round Head, Slotted	2-2	3-6	4-1	5-*	6-*	7-1
AESU6	Screws, Tapping, Round Head, Type I Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESU7	Screws, Tapping, Round Head, Type IA Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESU8	Screws, Tapping, Round Head, Type II Cross Recess	2-2	3-6	4-1	5-*	6-*	7-1
AESV2	Screws, Tapping, Round Head Type U Metallic Drive	2-2	3-2	4-1	5-*	6-*	7-1
B18.6.5M	**Metric Thread-Forming and Thread-Cutting Tapping Screws**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AESV3	Screws, Tapping, Flat Head, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESV4	Screws, Tapping, Flat Head, Type A, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESV5	Screws, Tapping, Flat Head, Type A, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESV6	Screws, Tapping, Flat Head, Type A, Type III Square Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESV7	Screws, Tapping, Flat Head, Type B, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESV8	Screws, Tapping, Flat Head, Type B, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESV9	Screws, Tapping, Flat Head, Type B, Type III Square Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW0	Screws, Tapping, Oval Head, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESW1	Screws, Tapping, Oval Head, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW2	Screws, Tapping, Oval Head, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW3	Screws, Tapping, Oval Head, Type III Square Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW4	Screws, Tapping, Pan Head, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESW5	Screws, Tapping, Pan Head, Type I Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW6	Screws, Tapping, Pan Head, Type IA Cross Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESW7	Screws, Tapping, Pan Head, Type III Square Recess	2-2	3-7	4-2	5-*	6-*	7-1
AESX1	Screws, Tapping, Hex Head, Indented, Unslotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX2	Screws, Tapping, Hex Head, Indented, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX3	Screws, Tapping, Hex Head, Trimmed, Unslotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX4	Screws, Tapping, Hex Head, Trimmed, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX5	Screws, Tapping, Hex Head, Fully Upset, Unslotted	2-2	3-7	4-2	5-*	6-*	7-1
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Screws (Cont'd)

		Applicable Table References:	Thread	Size	Lg/Other	Material	Finish	Feature
B18.6.5M	**Metric Thread-Forming and Thread-Cutting Tapping Screws (Cont'd)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AESX6	Screws, Tapping, Hex Head, Fully Upset, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX7	Screws, Tapping, Hex Flange Head, Unslotted	2-2	3-7	4-2	5-*	6-*	7-1
AESX8	Screws, Tapping, Hex Flange Head, Slotted	2-2	3-7	4-2	5-*	6-*	7-1
B18.6.7M	**Metric Machine Screws**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AESY0	Screws, Machine, Flat Head, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESY1	Screws, Machine, Flat Head, Type A, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY2	Screws, Machine, Flat Head, Type A, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY3	Screws, Machine, Flat Head, Type A, Type III Square Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY4	Screws, Machine, Flat Head, Type B, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY5	Screws, Machine, Flat Head, Type B, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY6	Screws, Machine, Flat Head, Type B, Type III Square Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY7	Screws, Machine, Oval Head, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESY8	Screws, Machine, Oval Head, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESY9	Screws, Machine, Oval Head, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESZ0	Screws, Machine, Oval Head, Type III Square Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESZ1	Screws, Machine, Pan Head, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZ2	Screws, Machine, Pan Head, Type I Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESZ3	Screws, Machine, Pan Head, Type IA Cross Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESZ4	Screws, Machine, Pan Head, Type III Square Recess	2-1	3-3	4-2	5-*	6-*	7-2
AESZ8	Screws, Machine, Hex Head, Indented, Unslotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZ9	Screws, Machine, Hex Head, Indented, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZA	Screws, Machine, Hex Head, Trimmed, Unslotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZB	Screws, Machine, Hex Head, Trimmed, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZC	Screws, Machine, Hex Head, Fully Upset, Unslotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZD	Screws, Machine, Hex Head, Fully Upset, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZE	Screws, Machine, Hex Flange Head, Slotted	2-1	3-3	4-2	5-*	6-*	7-2
AESZF	Screws, Machine, Hex Flange Head, Unslotted	2-1	3-3	4-2	5-*	6-*	7-2
B18.11	**Miniature Screws (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AESZG	Screws, Miniature, Fillister Head	2-1	3-5	4-3	5-*	6-*	7-1
AESZH	Screws, Miniature, Pan Head	2-1	3-5	4-3	5-*	6-*	7-1
AESZJ	Screws, Miniature, 100 deg Flat Head	2-1	3-5	4-3	5-*	6-*	7-1
AESZK	Screws, Miniature, Binding Head	2-1	3-5	4-3	5-*	6-*	7-1

Studs

B18.15	**Forged Eyebolts (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AET01	Bolts, Eye, Straight Shank, Type 1, Plain Pattern Style A	2-1	3-1	4-6	5-*	6-*	7-1
AET02	Bolts, Eye, Straight Shank, Type 1, Plain Pattern Style B	2-1	3-1	4-6	5-*	6-*	7-1
AET03	Bolts, Eye, Shoulder Pattern, Type 2, Style A	2-1	3-1	4-6	5-*	6-*	7-1
AET04	Bolts, Eye, Shoulder Pattern, Type 2, Style B	2-1	3-1	4-6	5-*	6-*	7-1
B18.15.1M	**Metric Forged Lifting Eyes**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AET05	Lifting Eye, Forged	2-1	3-3	4-2	5-*	6-*	7-1
B18.15.2M	**Metric Straight Shank Lifting Eyes**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AET06	Lifting Eye, Straight Shank	2-1	3-3	4-2	5-*	6-*	7-1
B18.31.1M	**Metric Continuous and Double-Ended Studs**	***Field 2***	***3***	***4***	***5***	***6***	***7-2***
AET07	Studs, Continuous Thread	2-1	3-3	4-2	5-*	6-*	7-2
AET08	Studs, Double End (Clamping Type)	2-1	3-3	4-2	5-*	6-*	7-2
AET09	Studs, Double End (Tap End Type)	2-1	3-3	4-2	5-*	6-*	7-2
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Rivets

		Applicable Table References:	Thread Size	Lg/Other	Material	Finish	Feature
B18.1.1	**Small Solid Rivets (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-3***
AEV01	Rivets, Small, Solid, Flat Head	2-1	3-2	4-1	5-*	6-*	7-3
AEV02	Rivets, Small, Solid, Flat Countersunk Head	2-1	3-2	4-1	5-*	6-*	7-3
AEV03	Rivets, Small, Solid, Button Head	2-1	3-2	4-1	5-*	6-*	7-3
AEV04	Rivets, Small, Solid, Pan Head	2-1	3-2	4-1	5-*	6-*	7-3
AEV05	Rivets, Small, Solid, Truss Head	2-1	3-2	4-1	5-*	6-*	7-3
AEV06	Rivets, Small, Solid, Tinners	2-1	3-14	4-1	5-*	6-*	7-3
AEV07	Rivets, Small, Solid, Coopers	2-1	3-14	4-1	5-*	6-*	7-3
AEV08	Rivets, Small, Solid, Belt	2-1	3-15	4-1	5-*	6-*	7-3
AEV09	Rivets, Small, Solid, 60 Deg Flat Countersunk Head	2-1	3-15	4-1	5-*	6-*	7-3
B18.1.2	**Large Rivets (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-6***
AEV10	Rivets, Large, Button Head	2-1	3-2	4-1	5-*	6-*	7-6
AEV11	Rivets, Large, High Button (Acorn) Head	2-1	3-2	4-1	5-*	6-*	7-6
AEV12	Rivets, Large, Cone Head	2-1	3-2	4-1	5-*	6-*	7-6
AEV13	Rivets, Large, Flat Countersunk Head	2-1	3-2	4-1	5-*	6-*	7-6
AEV14	Rivets, Large, Oval Countersunk Head	2-1	3-2	4-1	5-*	6-*	7-6
AEV15	Rivets, Large, Pan Head	2-1	3-2	4-1	5-*	6-*	7-6
B18.1.3M	**Metric Small Solid Rivets**	***Field 2***	***3***	***4***	***5***	***6***	***7-3***
AEV16	Rivets, Small, Solid, Flat Head	2-1	3-4	4-2	5-*	6-*	7-3
AEV17	Rivets, Small, Solid, Round Head	2-1	3-4	4-2	5-*	6-*	7-3
AEV18	Rivets, Small, Solid, Flat Countersunk Head	2-1	3-4	4-2	5-*	6-*	7-3
B18.7	**General Purpose Semi-Tubular Rivets, Full Tubular Rivets, Split Rivets, and Rivet Caps (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEV19	Rivets, General Purpose, Oval Head Semi-Tubular, Type T	2-1	3-16	4-1	5-*	6-*	7-1
AEV20	Rivets, General Purpose, Oval Head Semi-Tubular, Type S	2-1	3-16	4-1	5-*	6-*	7-1
AEV21	Rivets, General Purpose, Truss Head Semi-Tubular, Type T	2-1	3-16	4-1	5-*	6-*	7-1
AEV22	Rivets, General Purpose, Truss Head Semi-Tubular, Type S	2-1	3-16	4-1	5-*	6-*	7-1
AEV23	Rivets, General Purpose, 150 deg Flat C sunk Head Semi-Tubular	2-1	3-16	4-1	5-*	6-*	7-1
AEV24	Rivets, General Purpose, 150 deg Large Flat C sunk Head Semi-Tubular	2-1	3-16	4-1	5-*	6-*	7-1
AEV25	Rivets, General Purpose, 120 deg Flat C sunk Head Semi-Tubular Type T	2-1	3-16	4-1	5-*	6-*	7-1
AEV26	Rivets, General Purpose, 120 deg Flat C sunk Head Semi-Tubular Type S	2-1	3-16	4-1	5-*	6-*	7-1
AEV27	Rivets, General Purpose, Full Tubular Oval	2-1	3-16	4-1	5-*	6-*	7-1
AEV28	Rivets, General Purpose, Full Tubular Truss	2-1	3-16	4-1	5-*	6-*	7-1
AEV29	Rivets, General Purpose, Full Tubular Flat Countersunk	2-1	3-16	4-1	5-*	6-*	7-1
AEV30	Rivets, General Purpose, Oval Head Split	2-1	3-16	4-1	5-*	6-*	7-1
AEV31	Rivets, General Purpose, Flat Countersunk Head Split	2-1	3-16	4-1	5-*	6-*	7-1
AEV32	Rivets, General Purpose, Cap Style 1	2-1	3-17	4-1	5-*	6-*	7-1
AEV33	Rivets, General Purpose, Cap Style 2	2-1	3-17	4-1	5-*	6-*	7-1
B18.7.1M	**Metric General Purpose Semi-Tubular Rivets**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEV34	Rivets, General Purpose, Oval Head Semi-Tubular	2-1	3-4	4-2	5-*	6-*	7-1

Washers

B18.2.6	**Fasteners for Use in Structural Applications (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEW01	Washers, Structural, Hardened Steel Circular	2-1	3-2	4-1	5-*	6-*	7-1
AEW02	Washers, Structural, Hardened Steel Circular Clipped	2-1	3-2	4-1	5-*	6-*	7-1
AEW03	Washers, Structural, Hardened Square Beveled	2-1	3-2	4-1	5-*	6-*	7-1
AEW04	Washers, Structural, Hardened Clipped Square Beveled	2-1	3-2	4-1	5-*	6-*	7-1
AEW05	Washers, Structural, Compressible, Type Direct Tension Indicators (ASTM A 490)	2-1	3-2	4-1	5-*	6-*	7-1
AEW06	Washers, Structural, Compressible, Type Direct Tension Indicators (ASTM A 325)	2-1	3-2	4-1	5-*	6-*	7-1
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 1-1 Fastener Family and Type / Base PIN (Cont'd)

Washers (Cont'd)

		Applicable Table References:	Thread Size	Lg/Other Material	Finish Feature
B18.21.1	**Lock Washers (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEW07	Washers, Lock, Regular Helical Spring	2-1	3-1	4-1	5-*	6-*	7-1
AEW08	Washers, Lock, Heavy Helical Spring	2-1	3-1	4-1	5-*	6-*	7-1
AEW09	Washers, Lock, Extra Duty Helical Spring	2-1	3-1	4-1	5-*	6-*	7-1
AEW10	Washers, Lock, Hi-Collar Helical Spring	2-1	3-1	4-1	5-*	6-*	7-1
AEW11	Washers, Lock, Internal Tooth	2-1	3-1	4-1	5-*	6-*	7-1
AEW12	Washers, Lock, Heavy Internal Tooth	2-1	3-1	4-1	5-*	6-*	7-1
AEW13	Washers, Lock, External Tooth	2-1	3-1	4-1	5-*	6-*	7-1
AEW14	Washers, Lock, Countersunk External Tooth	2-1	3-1	4-1	5-*	6-*	7-1
AEW15	Washers, Lock, Internal-External Tooth	2-1	3-25	4-1	5-*	6-*	7-1
B18.21.2M	**Metric Lock Washers**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEW16	Washers, Lock, Regular Helical Spring	2-1	3-4	4-2	5-*	6-*	7-1
AEW17	Washers, Lock, Heavy Helical Spring	2-1	3-4	4-2	5-*	6-*	7-1
AEW18	Washers, Lock, Internal Tooth	2-1	3-4	4-2	5-*	6-*	7-1
AEW19	Washers, Lock, Heavy Internal Tooth	2-1	3-4	4-2	5-*	6-*	7-1
AEW20	Washers, Lock, External Tooth	2-1	3-4	4-2	5-*	6-*	7-1
AEW21	Washers, Lock, Countersunk External Tooth	2-1	3-4	4-2	5-*	6-*	7-1
AEW22	Washers, Lock, External-Internal Tooth	2-1	3-27	4-2	5-*	6-*	7-1
B18.22M	**Metric Plain Washers**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEW23	Washers, Plain	2-1	3-26	4-2	5-*	6-*	7-1
B18.22.1	**Plain Washers (Inch Series)**	***Field 2***	***3***	***4***	***5***	***6***	***7-1***
AEW24	Washers, Plain, Type A Preferred Sizes	2-1	3-22	4-1	5-*	6-*	7-1
AEW25	Washers, Plain, Type A Selected Sizes	2-1	3-23	4-1	5-*	6-*	7-1
AEW26	Washers, Plain, Type B Plain Sizes	2-1	3-24	4-1	5-*	6-*	7-1
		Field Length = 1,	3,	3,	3,	2,	1,

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Table 2-1 Thread Type

PIN		Thread Series
C	[Note (1)]	UNC-2
U	[Note (1)]	UNC-3
F	[Note (1)]	UNF-2
K	[Note (1)]	UNF-3
R	[Note (1)]	UNRC-2
Q	[Note (1)]	UNRF-2
E	[Note (1)]	UNEF-2
N		UNM
S	[Note (1)]	1-14 UNS-2 and small machine screw NS threads
D		6UN
G		8UN
H		8UNR
B		12UN
L		Lag Screw Thread
W		Wood Screw Thread
M	[Note (2)]	Metric
X		Nonthreaded Fastener

NOTES:
(1) -2 or -3 refers to -2A and -2B or -3A or -3B, respectively, as applicable.
(2) Metric, except where PINs "L," "W," or "X" are applicable.

Table 2-2 Thread and Point Options for Tapping Screws

PIN	Description
A	Type AB Thread Forming Tapping Screw
B	Type B Thread Forming Tapping Screw
L	Type BF Thread Cutting Tapping Screw
P	Type BP Thread Forming Tapping Screw
R	Type BT Thread Cutting Tapping Screw
C	Type C Thread Forming Tapping Screw
D	Type D Thread Cutting Tapping Screw
F	Type F Thread Cutting Tapping Screw
G	Type G Thread Cutting Tapping Screw
T	Type T Thread Cutting Tapping Screw
Z	Type A Thread Forming Tapping Screw
U	Type U Metallic Drive Screw

Table 3-1 Inch Thread

PIN	Size	Dia. (in.)
021	0000	.021-160 NS only
034	000	.034-120 NS only
04A	00	.047-90 NS-2 only
04B	00	.047-96 NS-2 only
060	0	.060
073	1	.073
086	2	.086
099	3	.099
112	4	.112
125	5	.125
138	6	.138
164	8	.164
190	10	.190
216	12	.216
250	$\frac{1}{4}$	.250
268	14	.268
312	$\frac{5}{16}$	.3125
375	$\frac{3}{8}$	.375
438	$\frac{7}{16}$	.4375
500	$\frac{1}{2}$	.500
562	$\frac{9}{16}$	.5625
625	$\frac{5}{8}$	.625
750	$\frac{3}{4}$	.750
812	$\frac{13}{16}$	.8125
875	$\frac{7}{8}$	.875
938	$\frac{15}{16}$	.9375
A00	1	1.000
A06	$1\frac{1}{16}$	1.0625
A12	$1\frac{1}{8}$	1.125
A18	$1\frac{13}{16}$	1.1875
A25	$1\frac{1}{4}$	1.250
A37	$1\frac{3}{8}$	1.375
A50	$1\frac{1}{2}$	1.500
A62	$1\frac{5}{8}$	1.625
A75	$1\frac{3}{4}$	1.750
A87	$1\frac{7}{8}$	1.875
B00	2	2.000
B25	$2\frac{1}{4}$	2.250
B50	$2\frac{1}{2}$	2.500
B75	$2\frac{3}{4}$	2.750
C00	3	3.000
C25	$3\frac{1}{4}$	3.250
C50	$3\frac{1}{2}$	3.500
C75	$3\frac{3}{4}$	3.750
D00	4	4.000
D25	$4\frac{1}{4}$	4.250
D50	$4\frac{1}{2}$	4.500
D75	$4\frac{3}{4}$	4.750
E00	5	5.000
E25	$5\frac{1}{4}$	5.250
E50	$5\frac{1}{2}$	5.500
E75	$5\frac{3}{4}$	5.750
F00	6	6.000

Table 3-2 Inch Size

PIN	Size	Size/Length (in.)
031	$\frac{1}{32}$	.031
039	-	.039
047	$\frac{3}{64}$	.047
052	-	.052
062	$\frac{1}{16}$	.062
075	-	.075
078	$\frac{5}{64}$	.078
093	$\frac{3}{32}$	.093
010	-	.100
109	$\frac{7}{64}$	.109
116	-	.116
125	$\frac{1}{8}$	.125
140	-	.140
141	$\frac{9}{64}$	.141
154	-	.154
156	$\frac{5}{32}$	.156
167	-	.167
182	-	.182
188	$\frac{3}{16}$	.188
212	-	.212
219	$\frac{7}{32}$	.219
242	-	.242
250	$\frac{1}{4}$	.250
281	$\frac{9}{32}$	.281
312	$\frac{5}{16}$	.312
315	-	.315
344	$\frac{11}{32}$	.344
359	$\frac{23}{64}$	.359
375	$\frac{3}{8}$	.375
378	-	.378
406	$\frac{13}{32}$	.406
438	$\frac{7}{16}$	.438
500	$\frac{1}{2}$	.500
562	$\frac{9}{16}$	.562
625	$\frac{5}{8}$	.625
688	$\frac{11}{16}$	.688
750	$\frac{3}{4}$	.750
812	$\frac{13}{16}$	.812
875	$\frac{7}{8}$	.875
938	$\frac{15}{16}$	.938
A00	1	1.000
A12	$1\frac{1}{8}$	1.125
A25	$1\frac{1}{4}$	1.250
A37	$1\frac{3}{8}$	1.375
A50	$1\frac{1}{2}$	1.500
A62	$1\frac{5}{8}$	1.625
A75	$1\frac{3}{4}$	1.750
A87	$1\frac{7}{8}$	1.875
B00	2	2.000
B12	$2\frac{1}{8}$	2.125
B25	$2\frac{1}{4}$	2.250
B37	$2\frac{3}{8}$	2.375

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Table 3-2 Inch Size (Cont'd)

PIN	Size	Size/Length (in.)
B50	$2\frac{1}{2}$	2.500
B62	$2\frac{5}{8}$	2.625
B75	$2\frac{3}{4}$	2.750
B87	$2\frac{7}{8}$	2.875
C00	3	3.000
C12	$3\frac{1}{8}$	3.125
C25	$3\frac{1}{4}$	3.250
C37	$3\frac{3}{8}$	3.375
C50	$3\frac{1}{2}$	3.500
C62	$3\frac{5}{8}$	3.625
C75	$3\frac{3}{4}$	3.750
C87	$3\frac{7}{8}$	3.875
D00	4	4.000
D12	$4\frac{1}{8}$	4.125
D25	$4\frac{1}{4}$	4.250
D37	$4\frac{3}{8}$	4.375
D50	$4\frac{1}{2}$	4.500
D62	$4\frac{5}{8}$	4.625
D75	$4\frac{3}{4}$	4.750
D87	$4\frac{7}{8}$	4.875
E00	5	5.000
E12	$5\frac{1}{8}$	5.125
E25	$5\frac{1}{4}$	5.250
E37	$5\frac{3}{8}$	5.375
E50	$5\frac{1}{2}$	5.500
E62	$5\frac{5}{8}$	5.625
E75	$5\frac{3}{4}$	5.750
E87	$5\frac{7}{8}$	5.875
F00	6	6.000
F12	$6\frac{1}{8}$	6.125
F25	$6\frac{1}{4}$	6.250
F37	$6\frac{3}{8}$	6.375
F50	$6\frac{1}{2}$	6.500
F62	$6\frac{5}{8}$	6.625
F75	$6\frac{3}{4}$	6.750
F87	$6\frac{7}{8}$	6.875
G00	7	7.000
G12	$7\frac{1}{8}$	7.125
G25	$7\frac{1}{4}$	7.250
G37	$7\frac{3}{8}$	7.375
G50	$7\frac{1}{2}$	7.500
G62	$7\frac{5}{8}$	7.625
G75	$7\frac{3}{4}$	7.750
G87	$7\frac{7}{8}$	7.875
H00	8	8.000
H12	$8\frac{1}{8}$	8.125
H25	$8\frac{1}{4}$	8.250
H37	$8\frac{3}{8}$	8.375
H50	$8\frac{1}{2}$	8.500
H75	$8\frac{3}{4}$	8.750
J00	9	9.000
J25	$9\frac{1}{4}$	9.250

Table 3-2 Inch Size

PIN	Size	Size/Length (in.)
J50	$9\frac{1}{2}$	9.500
J75	$9\frac{3}{4}$	9.750
K00	10	10.000
K02	$10\frac{1}{4}$	10.250
K05	$10\frac{1}{2}$	10.500
K07	$10\frac{3}{4}$	10.750
K10	11	11.000
K12	$11\frac{1}{4}$	11.250
K15	$11\frac{1}{2}$	11.500
K17	$11\frac{3}{4}$	11.750
K20	12	12.000
K22	$12\frac{1}{4}$	12.250
K25	$12\frac{1}{2}$	12.500
K27	$12\frac{3}{4}$	12.750
K30	13	13.000
K40	14	14.000
K50	15	15.000
K60	16	16.000
K70	17	17.000
K80	18	18.000
K90	19	19.000
L00	20	20.000

Table 3-3 Metric Thread

PIN	Diameter (mm)/ Pitch
163	M1.6 × 0.35
204	M2 × 0.4
254	M2.5 × 0.45
305	M3 × 0.5
356	M3.5 × 0.6
407	M4 × 0.7
508	M5 × 0.8
06A	M6 × 1
08B	M8 × 1.25
08A	M8 × 1
10Z	M10 × 1.5 (15 mm WAF)
10C	M10 × 1.5
10B	M10 × 1.25
10A	M10 × 1
107	M10 × 0.75
12D	M12 × 1.75
12C	M12 × 1.5
12B	M12 × 1.25
12A	M12 × 1
14E	M14 × 2
14C	M14 × 1.5
15A	M15 × 1
16E	M16 × 2

Table 3-3 Metric Thread

PIN	Diameter (mm)/ Pitch
16C	M16 × 1.5
17A	M17 × 1
18C	M18 × 1.5
20F	M20 × 2.5
20C	M20 × 1.5
20A	M20 × 1
22F	M22 × 2.5
22C	M22 × 1.5
24G	M24 × 3
24E	M24 × 2
25C	M25 × 1.5
27G	M27 × 3
27E	M27 × 2
30H	M30 × 3.5
30E	M30 × 2
30C	M30 × 1.5
33E	M33 × 2
35C	M35 × 1.5
36J	M36 × 4
36E	M36 × 2
39E	M39 × 2
40C	M40 × 1.5
42K	M42 × 4.5
42E	M42 × 2
45C	M45 × 1.5
48L	M48 × 5
48E	M48 × 2
50C	M50 × 1.5
56M	M56 × 5.5
64N	M64 × 6
72N	M72 × 6
80N	M80 × 6
90N	M90 × 6
C0N	M100 × 6

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Table 3-4 Metric Size

PIN	Size/Length (mm)
06M	0.6
08M	0.8
10M	1.0
12M	1.2
14M	1.4
15M	1.5
16M	1.6
20M	2.0
22M	2.2
25M	2.5
29M	2.9
30M	3.0
32M	3.2
35M	3.5
40M	4.0
42M	4.2
48M	4.8
50M	5.0
55M	5.5
60M	6.0
63M	6.3
70M	7.0
80M	8.0
90M	9.0
95M	9.5
010	10
011	11
012	12
013	13
014	14
015	15
016	16
017	17
018	18
019	19
020	20
021	21
022	22
023	23
024	24
025	25
026	26
027	27
028	28
030	30
032	32
033	33
034	34

Table 3-4 Metric Size

PIN	Size/Length (mm)
035	35
036	36
037	37
038	38
040	40
042	42
045	45
046	46
047	47
048	48
050	50
052	52
055	55
056	56
057	57
058	58
060	60
062	62
063	63
065	65
068	68
070	70
072	72
075	75
078	78
080	80
082	82
085	85
088	88
090	90
092	92
095	95
098	98
100	100
102	102
105	105
108	108

Table 3-4 Metric Size

PIN	Size/Length (mm)
110	110
115	115
120	120
125	125
130	130
135	135
140	140
145	145
150	150
155	155
160	160
165	165
175	175
180	180
185	185
190	190
200	200
210	210
220	220
230	230
240	240
250	250
260	260
280	280
300	300
320	320
360	360
400	400

Table 3-5 Miniature Screw Thread

PIN	Thread	Size (mm)
030	0.30 UNM	0.30 (0.0118 inch)
035	0.35 UNM	0.35 (0.0138 inch)
040	0.40 UNM	0.40 (0.0157 inch)
045	0.45 UNM	0.45 (0.0177 inch)
050	0.50 UNM	0.50 (0.0197 inch)
055	0.55 UNM	0.55 (0.0217 inch)
060	0.60 UNM	0.60 (0.0236 inch)
070	0.70 UNM	0.70 (0.0276 inch)
080	0.80 UNM	0.80 (0.0315 inch)
090	0.90 UNM	0.90 (0.0354 inch)
100	1.00 UNM	1.00 (0.0394 inch)
110	1.10 UNM	1.10 (0.0433 inch)
120	1.20 UNM	1.20 (0.0472 inch)
140	1.40 UNM	1.40 (0.0551 inch)

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Table 3-6 Inch Tapping Screw Thread

PIN	Description
060	.060-48 Types AB, B, BP, BF, BT
06A	.060-40 Type A
073	.073-42 Types AB, B, BP, BF, BT
07A	.073-32 Type A
086	.086-32 Types AB, B, BP, BF, BT
08A	.086-32 Type A
08F	.086-64 Types D, F, G, T, C
08C	.086-56 Types D, F, G, T, C
099	.099-28 Types AB, B, BP, BF, BT
09A	.099-28 Type A
09F	.099-56 Types D, F, G, T, C
09C	.099-48 Types D, F, G, T, C
112	.112-24 Types AB, B, BP, BF, BT
1IA	.112-24 Type A
11F	.112-48 Types D, F, G, T, C
11C	.112-40 Types D, F, G, T, C
125	.125-20 Types AB, B, BP, BF, BT
12A	.125-20 Type A
12F	.125-44 Types D, F, G, T, C
12C	.125-40 Types D, F, G, T, C
138	.138-20 Types AB, B, BP, BF, BT
13A	.138-18 Type A
13F	.138-40 Types D, F, G, T, C
13C	.138-32 Types D, F, G, T, C
13R	.138 Trim Head Size 4 Types AB, A, B, C Coarse
13S	.138 Trim Head Size 5 Types AB, A, B, C Coarse
13T	.138 Trim Head Size 4 Type C Fine
13U	.138 Trim Head Size 5 Type C Fine
151	.151-19 Types AB, B, BP, BF, BT
15A	.151-16 Type A
164	.164-18 Types AB, B, BP, BF, BT
16A	.164-15 Type A
16F	.164-36 Types D, F, G, T, C
16C	.164-32 Types D, F, G, T, C
16R	.164 Trim Head Size 5 Types AB, A, B, C Coarse
16S	.164 Trim Head Size 6 Types AB, A, B, C Coarse
16T	.164 Trim Head Size 5 Type C Fine
16U	.164 Trim Head Size 6 Type C Fine
190	.190-16 Types AB, B, BP, BF, BT
19A	.190-12 Type A
19F	.190-32 Types D, F, G, T, C
19C	.190-24 Types D, F, G, T, C
216	.216-14 Types AB, B, BP, BF, BT

Table 3-6 Inch Tapping Screw Thread

PIN	Description
2IA	.216-11 Type A
21C	.216-24 Type D, F, G, T, C
21F	.216-28 Type D, F, G, T, C
21R	.216 Trim Head Size 8 Types AB, A, B, C Coarse
21S	.216 Trim Head Size 10 Types AB, A, B, C Coarse
21T	.216 Trim Head Size 8 Type C Fine
21U	.216 Trim Head Size 10 Type C Fine
24A	.242-10 Type A
24R	.242 Trim Head Size 10
24S	.242 Trim Head Size 12
250	.250-14 Types AB, B, BP, BF, BT
25F	.250-28 Types D, F, G, T, C
25C	.250-20 Types D, F, G, T, C
25R	.250 Trim Head Size 10 Types AB, A, B, C Coarse
25S	.250 Trim Head Size 12 Types AB, A, B, C Coarse
25T	.250 Trim Head Size 10 Type C Fine
25U	.250 Trim Head Size 12 Type C Fine
26A	.268-10 Type A
29A	.294-9 Type A
312	.3125-12 Types AB, B, BP, BF, BT
31F	.3125-24 Types D, F, G, T, C
31C	.3125-18 Types D, F, G, T, C
31R	.3125 Trim Head Size 12 Types AB, A, B, C Coarse
31S	.3125 Trim Head Size 1\4 Types AB, A, B, C Coarse
31T	.3125 Trim Head Size 12 Type C Fine
31U	.3125 Trim Head Size 1\4 Type C Fine
32A	.320-9 Type A
375	.375-12 Types AB, B, BP, BF, BT
37A	.372-9 Type A
37F	.375-24 Types D, F, G, T, C
37C	.375-16 Types D, F, G, T, C
438	.4375-10 Types AB, B, BP, BF, BT
43F	.4375-20 Types D, F, G, T, C
43C	.4375-14 Types D, F, G, T, C
500	.500-5 Types AB, B, BP, BF, BT
50F	.500-20 Types D, F, G, T, C
50C	.500-13 Types D, F, G, T, C

Table 3-7 Metric Tapping Screw Thread

PIN	Diameter (mm) / Pitch
204	2 × 0.4
228	2.2 × 0.8
254	2.5 × 0.45
291	2.9 × 1.1
305	3 × 0.5
356	3.5 × 0.6
351	3.5 × 1.3
407	4 × 0.7
421	4.2 × 1.4
481	4.8 × 1.6
508	5 × 0.8
551	5.5 × 1.8
06A	6 × 1
631	6.3 × 1.8
08B	8 × 1.25
802	8 × 2.1
952	9.5 × 2.1
10C	10 × 1.5
10Z	10 × 1.5 (15 mm width across flats)

Table 3-8 Inch Hex Socket Head Shoulder Screw Size

PIN	Shoulder Diameter (in.)
250	.250
312	.312
375	.375
500	.500
625	.625
750	.750
A00	1.000
A25	1.250
A50	1.500
A75	1.750
B00	2.000

Table 3-9 Metric Hex Socket Head Shoulder Screw Size

PIN	Shoulder Diameter (mm)
65M	6.5
80M	8
010	10
013	13
016	16
020	20
025	25

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Table 3-10 Inch Spline Socket Set Screw Thread

PIN	Size	Description / No. of Splines (in.)
060	0	.060 4 Splines
073	1	.073 4 Splines
08A	2	.086 4 Splines
08B	2	.086 6 Splines
09A	3	.099 4 Splines
09B	3	.099 6 Splines
112	4	.112 6 Splines
12A	5	.125 4 Splines
12B	5	.125 6 Splines
13A	4	.138 4 Splines
13B	6	.138 6 Splines
164	8	.164 6 Splines
190	10	.190 6 Splines
250	$\frac{1}{4}$	.250 6 Splines
312	$\frac{5}{16}$	.3125 6 Splines
375	$\frac{3}{8}$	.375 6 Splines
438	$\frac{7}{16}$	.4375 6 Splines
500	$\frac{1}{2}$	.500 6 Splines
625	$\frac{5}{8}$	.625 6 Splines
750	$\frac{3}{4}$	.750 6 Splines
875	$\frac{7}{8}$	.875 6 Splines

Table 3-11 Inch Trim Head Machine Screw Size

PIN	Description
112	.112—3 Head Size
125	.125—4 Head Size
13A	.138—4 Head Size
13B	.138—5 Head Size
16A	.164—5 Head Size
16B	.164—6 Head Size
190	.190—8 Head Size
21A	.216—8 Head Size
21B	.216—10 Head Size
25A	.250—10 Head Size
25B	.250—12 Head Size
31A	.3125—12 Head Size
31B	.3125—$\frac{1}{4}$ Head Size
375	.375—$\frac{5}{16}$ Head Size

Table 3-12 Inch Wood Screw Thread

PIN	Size	Diameter (in.) / Pitch
060	0	.060–32
073	1	.073–28
086	2	.086–26
099	3	.099–24
112	4	.112–22
125	5	.125–20
138	6	.138–18
151	7	.151–16
164	8	.164–15
177	9	.177–14
190	10	.190–16
216	12	.216–11
242	14	.242–10
268	16	.268–9
294	18	.294–8
320	20	.320–8
372	24	.372–7

Table 3-13 Inch Lag Screw Thread

PIN	Diameter (in.) / Pitch
190	.190–11
250	.250–10
312	.3125–9
375	.375–7
438	.4375–7
500	.500–6
625	.625–5
750	.750–4.5
875	.875–4
A00	1.000–3.5
A12	1.125–3.25
A25	1.250–3.25

Table 3-14 Inch Rivet Size Weight

PIN	Size Designation
06Z	6 oz
08Z	8 oz
10Z	10 oz
12Z	12 oz
14Z	14 oz
010	1 lb
012	$1\frac{1}{4}$ lb
015	$1\frac{1}{2}$ lb
017	$1\frac{3}{4}$ lb
020	2 lb
025	$2\frac{1}{2}$ lb
030	3 lb
035	$3\frac{1}{2}$ lb
040	4 lb
050	5 lb
060	6 lb
070	7 lb
080	8 lb
090	9 lb
100	10 lb
120	12 lb
140	14 lb
160	16 lb
180	18 lb
200	20 lb
375	$\frac{3}{8}$ in.

Table 3-15 Inch Rivet Size Number

PIN	Size Number
140	14
130	13
120	12
110	11
100	10
080	8
070	7
060	6
055	$5\frac{1}{2}$
050	5
040	4

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Table 3-16 Inch Rivet Size 1

PIN	Diameter (in.)
061	0.061
062	0.062
089	0.089
099	0.099
123	0.123
125	0.125
146	0.146
152	0.152
15L	0.152
188	0.188
190	0.190
217	0.217
252	0.252
310	0.310

Table 3-17 Inch Rivet Size / Length

PIN	Length or O.D. (in.)
092	0.092
078	0.078
093	0.093
109	0.109
125	0.125
140	0.140
156	0.156
171	0.171
187	0.187
203	0.203
218	0.218
234	0.234
250	0.250
265	0.265
281	0.281
296	0.296
312	0.312
328	0.328
343	0.343
359	0.359
375	0.375
390	0.390
406	0.406
421	0.421
437	0.437
453	0.453
468	0.468
484	0.484
500	0.500
515	0.515
531	0.531

Table 3-17 Inch Rivet Size / Length

PIN	Length or O.D. (in.)
546	0.546
562	0.562
578	0.578
593	0.593
609	0.609
625	0.625
640	0.640
656	0.656
671	0.671
687	0.687
703	0.703
718	0.718
734	0.734
750	0.750
765	0.765
781	0.781
796	0.796
812	0.812
828	0.828
843	0.843
859	0.859
875	0.875
890	0.890
906	0.906
921	0.921
937	0.937
953	0.953
968	0.968
984	0.984
A00	1.000

Table 3-18 Inch Pin Size 1

PIN	Size	Diameter (in.)
067	0	.067
086	2	.086
104	4	.104
120	6	.120
136	7	.136
144	8	.144
161	10	.161
196	12	.196
221	14	.221
250	16	.250

Table 3-19 Inch Pin Size 2

PIN	Size	Diameter (in.)
062	7/0	.062
078	6/0	.078
094	5/0	.094
109	4/0	.109
125	3/0	.125
141	2/0	.141
156	0	.156
172	1	.172
193	2	.193
219	3	.219
250	4	.250
289	5	.289
341	6	.341
409	7	.409
492	8	.492
591	9	.591
709	10	.706
860	11	.860
A03	12	1.032
A24	13	1.241
A52	14	1.523

Table 3-20 Retaining Ring Size Number

PIN	Size Designation
001	1
002	2
003	3
004	4
005	5
006	6
0S6	S6
0Y6	Y6
007	7
008	8
009	9
0S9	S9
010	10
011	11
S11	S11
012	12
S12	S12
013	13
014	14
S14	S14
Y14	Y14
015	15
S15	S15
016	16
017	17

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Table 3-20 Retaining Ring Size Number (Cont'd)

PIN	Size Designation
S17	S17
018	18
S18	S18
Y18	Y18
019	19
020	20
021	21
S21	S21
022	22
023	23
024	24
025	25
026	26
027	27
028	28
030	30
031	31
Y31	Y31
032	32
034	34
035	35
036	36
037	37
S37	S37
038	38
039	39
040	40
042	42
043	43
S43	S43
045	45
046	46
047	47
048	48
050	50
051	51
052	52
054	54
055	55
056	56
057	57
058	58
059	59
060	60
062	62
063	63
065	65
066	66
068	68
070	70
072	72

Table 3-20 Retaining Ring Size Number

PIN	Size Designation
S74	S74
075	75
077	77
078	78
080	80
081	81
082	82
084	84
085	85
086	86
087	87
088	88
090	90
092	92
093	93
095	95
098	98
S98	S98
100	100
102	102
105	105
106	106
108	108
110	110
112	112
115	115
118	118
SA1	S118
120	120
125	125
130	130
131	131
135	135
137	137
SA3	S137
140	140
143	143
145	145
150	150
155	155
156	156
160	160
162	162
165	165
168	168
170	170
175	175
177	177
180	180
181	181
185	185

Table 3-20 Retaining Ring Size Number

PIN	Size Designation
187	187
190	190
193	193
196	196
200	200
206	206
210	210
212	212
215	215
218	218
220	220
225	225
230	230
231	231
237	237
240	240
243	243
244	244
250	250
255	255
256	256
262	262
268	268
275	275
281	281
287	287
293	293
295	295
300	300
306	306
312	312
315	315
325	325
334	334
343	343
347	347
350	350
354	354
362	362
368	368
375	375
387	387
393	393
400	400
412	412
425	425
433	433
437	437
450	450
462	462
475	475

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Table 3-20 Retaining Ring Size Number (Cont'd)

PIN	Size Designation
500	500
525	525
537	537
550	550
575	575
600	600
625	625
650	650
662	662
675	675
700	700
725	725
750	750
775	775
800	800
825	825
850	850
875	875
900	900
925	925
950	950
975	975
M00	1000

Table 3-21 Inch Retaining Ring Size

PIN	Diameter (in.)
469	0.469
500	0.500
512	0.512
531	0.531
551	0.551
562	0.562
594	0.594
625	0.625
656	0.656
669	0.669
687	0.687
688	0.688
718	0.718
750	0.750
777	0.777
781	0.781
812	0.812
843	0.843
866	0.866
875	0.875
901	0.901
906	0.906

Table 3-21 Inch Retaining Ring Size

PIN	Diameter (in.)
937	0.937
938	0.938
968	0.968
984	0.984
987	0.987
A00	1.000
A02	1.023
A03	1.031
A06	1.062
A09	1.093
A12	1.125
A15	1.156
A18	1.188
A21	1.218
A25	1.250
A28	1.281
A31	1.312
A34	1.343
A37	1.375
A40	1.406
A43	1.437
A43	1.438
A43	1.439
A45	1.456
A46	1.468
A50	1.500
A56	1.562
A57	1.574
A57	1.575
A62	1.625
A65	1.653
A67	1.687
A68	1.688
A75	1.750
A77	1.771
A81	1.812
A81	1.813
A85	1.850
A87	1.875
A93	1.938
A96	1.969
B00	2.000
B04	2.047
B06	2.062
B12	2.125
B15	2.156
B16	2.165
B18	2.188
B25	2.250
B31	2.312
B36	2.362

Table 3-21 Inch Retaining Ring Size

PIN	Diameter (in.)
B37	2.375
B43	2.437
B44	2.440
B50	2.500
B53	2.531
B55	2.559
B56	2.562
B62	2.625
B67	2.677
B68	2.687
B68	2.688
B75	2.750
B81	2.813
B83	2.834
B87	2.875
B93	2.937
B95	2.952
C00	3.000
C06	3.062
C12	3.125
C14	3.149
C15	3.156
C15	3.157
C18	3.187
C25	3.250
C31	3.312
C34	3.343
C34	3.344
C34	3.346
C37	3.375
C43	3.437
C46	3.469
C50	3.500
C54	3.543
C56	3.562
C62	3.625
C68	3.687
C74	3.740
C75	3.750
C81	3.812
C87	3.875
C93	3.938
D00	4.000
D06	4.063
D12	4.125
D13	4.134
D18	4.188
D25	4.250
D31	4.312
D33	4.330
D33	4.331

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Table 3-21 Inch Retaining Ring Size (Cont'd)

PIN	Diameter (in.)
D37	4.375
D43	4.437
D50	4.500
D52	4.527
D56	4.562
D62	4.625
D68	4.687
D72	4.724
D75	4.750
D81	4.812
D87	4.875
D92	4.921
D93	4.937
E00	5.000
E11	5.118
E12	5.125
E25	5.250
E37	5.375
E50	5.500
E51	5.511
E62	5.625
E70	5.708
E75	5.750
E87	5.875
E90	5.905
F00	6.000
F12	6.125
F25	6.250
F29	6.299
F37	6.375
F50	6.500
F62	6.625
F69	6.692
F75	6.750
F87	6.875
GF0	7.000
G08	7.086
G12	7.125
G25	7.250
G37	7.375
G48	7.480
G50	7.500
G62	7.625
G75	7.750
G87	7.875
H00	8.000
H25	8.250
H26	8.267
H46	8.464
H50	8.500
H75	8.750

Table 3-21 Inch Retaining Ring Size

PIN	Diameter (in.)
H85	8.858
J00	9.000
J05	9.055
J25	9.250
J44	9.448
J50	9.500
J75	9.750
K00	10.000
K02	10.250
K05	10.500
K07	10.750
K10	11.000
K12	11.250
K15	11.500
K17	11.750
K20	12.000
K22	12.250
K25	12.500
K27	12.750
K30	13.000
K32	13.250
K35	13.500
K37	13.750
K40	14.000
K42	14.250
K45	14.500
K47	14.750
K50	15.000

Table 3-22 Inch Washer Size 1

PIN	Size	Diameter (in.)
138	No. 6	0.138
164	No. 8	0.164
188	$\frac{3}{16}$	0.188
190	No. 10	0.190
216	No. 12	0.216
25N	$\frac{1}{4}$	0.250 Narrow
25W	$\frac{1}{4}$	0.250 Wide
31N	$\frac{5}{16}$	0.312 Narrow
31W	$\frac{5}{16}$	0.312 Wide
37N	$\frac{3}{8}$	0.375 Narrow
37W	$\frac{3}{8}$	0.375 Wide
43N	$\frac{7}{16}$	0.438 Narrow
43W	$\frac{7}{16}$	0.438 Wide
50N	$\frac{1}{2}$	0.500 Narrow
50W	$\frac{1}{2}$	0.500 Wide
56N	$\frac{9}{16}$	0.562 Narrow
56W	$\frac{9}{16}$	0.562 Wide
62N	$\frac{5}{8}$	0.625 Narrow

Table 3-22 Inch Washer Size 1

PIN	Size	Diameter (in.)
62W	$\frac{5}{8}$	0.625 Wide
75N	$\frac{3}{4}$	0.750 Narrow
75W	$\frac{3}{4}$	0.750 Wide
87N	$\frac{7}{8}$	0.875 Narrow
87W	$\frac{7}{8}$	0.875 Wide
A0N	1	1.000 Narrow
A0W	1	1.000 Wide
A1N	$1\frac{1}{8}$	1.125 Narrow
A1W	$1\frac{1}{8}$	1.125 Wide
A2N	$1\frac{1}{4}$	1.250 Narrow
A2W	$1\frac{1}{4}$	1.250 Wide
A3N	$1\frac{3}{8}$	1.375 Narrow
A3W	$1\frac{3}{8}$	1.375 Wide
A5N	$1\frac{1}{2}$	1.500 Narrow
A5W	$1\frac{1}{2}$	1.500 Wide
A6N	$1\frac{5}{8}$	1.625 Narrow
A6W	$1\frac{5}{8}$	1.625 Wide
A75	$1\frac{3}{4}$	1.750
A87	$1\frac{3}{4}$	1.875
B00	2	2.000
B25	$2\frac{1}{4}$	2.250
B50	$2\frac{1}{2}$	2.500
B75	$2\frac{3}{4}$	2.750
C00	3	3.000

Table 3-23 Inch Washer Size 2

PIN	Diameter/ Outside Diameter (in.)
094	0.094
125	0.125
156	0.156
172	0.172
188	0.188
203	0.203
219	0.219
234	0.234
250	0.250
266	0.266
312	0.312
37A	0.375/0.734
37B	0.375/1.1.25
43A	0.438/0.875
43B	0.438/1.375
50A	0.500/1.125
50B	0.500/1.625
56A	0.562/1.25
56B	0.562/1.875
62A	0.625/1.375
62B	0.625/2.125
68A	0.688/1.469
68B	0.688/2.375

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Table 3-23 Inch Washer Size 2 (Cont'd)

PIN	Diameter/ Outside Diameter (in.)
81A	0.812/1.750
81B	0.812/2.875
93A	0.938/2.000
93B	0.938/3.375
A0A	1.062/2.250
A0B	1.062/3.875
A25	1.250
A37	1.375
A50	1.500
A62	1.625
A68	1.688
A81	1.812
A93	1.938
B06	2.062

Table 3-24 Inch Washer Size 3

PIN	Size	Diameter and Type (in.)
06N	No. 0	0.060 Narrow
06R	No. 0	0.060 Regular
06W	No. 0	0.060 Wide
07N	No. 1	0.073 Narrow
07R	No. 1	0.073 Regular
07W	No. 1	0.073 Wide
08N	No. 2	0.086 Narrow
08R	No. 2	0.086 Regular
08W	No. 2	0.086 Wide
09N	No. 3	0.099 Narrow
09R	No. 3	0.099 Regular
09W	No. 3	0.099 Wide
11N	No. 4	0.112 Narrow
11R	No. 4	0.112 Regular
11W	No. 4	0.112 Wide
12N	No. 5	0.125 Narrow
12R	No. 5	0.125 Regular
12W	No. 5	0.125 Wide
13N	No. 6	0.138 Narrow
13R	No. 6	0.138 Regular
13W	No. 6	0.138 Wide
16N	No. 8	0.164 Narrow
16R	No. 8	0.164 Regular
16W	No. 8	0.164 Wide
19N	No. 10	0.190 Narrow
19R	No. 10	0.190 Regular
19W	No. 10	0.190 Wide
21N	No. 12	0.216 Narrow
21R	No. 12	0.216 Regular
21W	No. 12	0.216 Wide
25N	$\frac{1}{4}$	0.250 Narrow
25R	$\frac{1}{4}$	0.250 Regular
25W	$\frac{1}{4}$	0.250 Wide

Table 3-24 Inch Washer Size 3

PIN	Size	Diameter and Type (in.)
31N	$\frac{5}{16}$	0.312 Narrow Narrow
31R	$\frac{5}{16}$	0.312 Regular
31W	$\frac{5}{16}$	0.312 Wide
37N	$\frac{3}{8}$	0.375 Narrow
37R	$\frac{3}{8}$	0.375 Regular
37W	$\frac{3}{8}$	0.375 Wide
43N	$\frac{7}{16}$	0.438 Narrow
43R	$\frac{7}{16}$	0.438 Regular
43W	$\frac{7}{16}$	0.438 Wide
50N	$\frac{1}{2}$	0.500 Narrow
50R	$\frac{1}{2}$	0.500 Regular
50W	$\frac{1}{2}$	0.500 Wide
56N	$\frac{9}{16}$	0.562 Narrow
56R	$\frac{9}{16}$	0.562 Regular
56W	$\frac{9}{16}$	0.562 Wide
62N	$\frac{5}{8}$	0.625 Narrow
62R	$\frac{5}{8}$	0.625 Regular
62W	$\frac{5}{8}$	0.625 Wide
75N	$\frac{3}{4}$	0.750 Narrow
75R	$\frac{3}{4}$	0.750 Regular
75W	$\frac{3}{4}$	0.750 Wide
87N	$\frac{7}{8}$	0.875 Narrow
87R	$\frac{7}{8}$	0.875 Regular
87W	$\frac{7}{8}$	0.875 Wide
A0N	1	1.000 Narrow
A0R	1	1.000 Regular
A0W	1	1.000 Wide
A2N	$1\frac{1}{8}$	1.125 Narrow
A2R	$1\frac{1}{8}$	1.125 Regular
A2W	$1\frac{1}{8}$	1.125 Wide
A5N	$1\frac{1}{4}$	1.250 Narrow
A5R	$1\frac{1}{4}$	1.250 Regular
A5W	$1\frac{1}{4}$	1.250 Wide
A7N	$1\frac{3}{8}$	1.375 Narrow
A7R	$1\frac{3}{8}$	1.375 Regular
A7W	$1\frac{3}{8}$	1.375 Wide
A0N	$1\frac{1}{2}$	1.500 Narrow
A0R	$1\frac{1}{2}$	1.500 Regular
A0W	$1\frac{1}{2}$	1.500 Wide
A2N	$1\frac{5}{8}$	1.625 Narrow
A2R	$1\frac{5}{8}$	1.625 Regular
A2W	$1\frac{5}{8}$	1.625 Wide
A5N	$1\frac{3}{4}$	1.750 Narrow
A5R	$1\frac{3}{4}$	1.750 Regular
A5W	$1\frac{3}{4}$	1.750 Wide
A7N	$1\frac{7}{8}$	1.875 Narrow
A7R	$1\frac{7}{8}$	1.875 Regular
A7W	$1\frac{7}{8}$	1.875 Wide
B0N	2	2.000 Narrow
B0R	2	2.000 Regular
B0W	2	2.000 Wide
B5N	$2\frac{1}{4}$	2.250 Narrow

Table 3-24 Inch Washer Size 3

PIN	Size	Diameter and Type (in.)
B5R	$2\frac{1}{4}$	2.250 Regular
B5W	$2\frac{1}{4}$	2.250 Wide
B0N	$2\frac{1}{2}$	2.500 Narrow
B0R	$2\frac{1}{2}$	2.500 Regular
B0W	$2\frac{1}{2}$	2.500 Wide
B5N	$2\frac{3}{4}$	2.750 Narrow
B5R	$2\frac{3}{4}$	2.750 Regular
B5W	$2\frac{3}{4}$	2.750 Wide
C0N	3	3.000 Narrow
C0R	3	3.000 Regular
C0W	3	3.000 Wide

Table 3-25 Inch Washer Size 4

PIN	Size	Outside Diameter (in.)
11A	.112	.475
11B	.112	.510
11C	.112	.610
13A	.138	.510
13B	.138	.610
13C	.138	.690
16A	.164	.610
16B	.164	.690
16C	.164	.760
19A	.190	.610
19B	.190	.690
19C	.190	.760
19D	.190	.900
21A	.216	.690
21B	.216	.760
21C	.216	.900
21D	.216	.985
25A	.250	.760
25B	.250	.900
25C	.250	.985
25D	.250	1.070

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Table 3-26 Metric Washer Size 1

PIN	Diameter and Type (mm)
01N	1.6 Narrow
01R	1.6 Regular
01W	1.6 Wide
02N	2 Narrow
02R	2 Regular
02W	2 Wide
2BN	2.5 Narrow
2BR	2.5 Regular
2BW	2.5 Wide
03N	3 Narrow
03R	3 Regular
03W	3 Wide
3CN	3.5 Narrow
3CR	3.5 Regular
3CW	3.5 Wide
04N	4 Narrow
04R	4 Regular
04W	4 Wide
05N	5 Narrow
05R	5 Regular
05W	5 Wide
06N	6 Narrow
06R	6 Regular
06W	6 Wide
08N	8 Narrow
08R	8 Regular
08W	8 Wide
10N	10 Narrow
10R	10 Regular
10W	10 Wide
12N	12 Narrow
12R	12 Regular
12W	12 Wide
14N	14 Narrow
14R	14 Regular
14W	14 Wide
16N	16 Narrow
16R	16 Regular
16W	16 Wide
20N	20 Narrow
20R	20 Regular
20W	20 Wide
24N	24 Narrow
24R	24 Regular
24W	24 Wide
30N	30 Narrow
30R	30 Regular
30W	30 Wide
36N	36 Narrow
36R	36 Regular
36W	36 Wide

Table 3-27 Metric Washer Size 2

PIN	Inside Diameter (mm)	Outside Diameter (mm)
29A	2.9	12.10
29B	2.9	13.00
29C	2.9	15.50
30A	3	12.10
30B	3	13.00
30C	3	15.50
35A	3.5	12.90
35B	3.5	15.50
35C	3.5	17.55
40A	4	15.25
40B	4	17.70
40C	4	19.30
42A	4.2	15.25
42B	4.2	17.70
42C	4.2	19.30
48A	4.8	15.25
48B	4.8	17.75
48C	4.8	19.30
48D	4.8	22.90
50A	5	15.25
50B	5	17.75
50C	5	19.30
50D	5	22.90

Table 3-28 Metric Key Size 1

PIN	Key Size
022	$\frac{2}{2}$
033	$\frac{3}{3}$
044	$\frac{4}{4}$
055	$\frac{5}{5}$
066	$\frac{6}{6}$
053	$\frac{5}{3}$
064	$\frac{6}{4}$
085	$\frac{8}{5}$
087	$\frac{8}{7}$
10A	$\frac{10}{6}$
10B	$\frac{10}{8}$
12A	$\frac{12}{6}$
12B	$\frac{12}{8}$
14A	$\frac{14}{6}$
14B	$\frac{14}{9}$
16A	$\frac{16}{7}$
16B	$\frac{16}{10}$
18A	$\frac{18}{7}$
18B	$\frac{18}{11}$
20A	$\frac{20}{8}$
20B	$\frac{20}{12}$

Table 3-28 Metric Key Size 1

PIN	Key Size
22A	$\frac{22}{6}$
22B	$\frac{22}{14}$
25A	$\frac{25}{9}$
25B	$\frac{25}{14}$
28A	$\frac{28}{10}$
28B	$\frac{28}{16}$
32A	$\frac{32}{11}$
32B	$\frac{32}{18}$
36A	$\frac{36}{12}$
36B	$\frac{36}{20}$
40A	$\frac{40}{20}$
45A	$\frac{45}{25}$
50A	$\frac{50}{28}$
56A	$\frac{56}{32}$
63A	$\frac{63}{32}$
70A	$\frac{70}{36}$
80A	$\frac{80}{40}$
90A	$\frac{90}{45}$
100	$\frac{100}{50}$

Table 3-29 Metric Key Size 2

PIN	Key Size
101	$1 \times 1.4 \times 4$
152	$1.5 \times 2.6 \times 7$
202	$2 \times 2.6 \times 7$
203	$2 \times 3.7 \times 10$
253	$2.5 \times 3.7 \times 10$
305	$3 \times 5 \times 13$
306	$3 \times 6.5 \times 16$
406	$4 \times 6.5 \times 16$
407	$4 \times 7.5 \times 19$
506	$5 \times 6.5 \times$ x16
507	$5 \times 7.5 \times 19$
509	$5 \times 9 \times 22$
609	$6 \times 9 \times 22$
60K	$6 \times 10 \times 25$
80L	$8 \times 11 \times 28$
K0P	$10 \times 13 \times 32$

Table 4-1 Inch Length/Other

PIN	Size	Size/Length (in.)
000	n/a	No Entry
031	$\frac{1}{32}$	.031
039		.039
047	$\frac{3}{64}$	.047
052		.052
062	$\frac{1}{16}$	.062
075		.075
078	$\frac{5}{64}$	.078

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Table 4-1 Inch Length/Other (Cont'd)

PIN	Size	Size/Length (in.)
093	3/32	.093
010		.100
109	7/64	.109
116		.116
125	1/8	.125
140		.140
141	9/64	.141
154		.154
156	5/32	.156
167		.167
182		.182
188	3/16	.188
212		.212
219	7/32	.219
242		.242
250	1/4	.250
281	9/32	.281
312	5/16	.312
315		.315
344	11/32	.344
359	23/64	.359
375	3/8	.375
378		.378
406	13/32	.406
438	7/16	.438
500	1/2	.500
562	9/16	.562
625	5/8	.625
688	11/16	.688
750	3/4	.750
812	13/16	.812
875	7/8	.875
938	15/16	.938
A00	1	1.000
A12	1 1/8	1.125
A25	1 1/4	1.250
A37	1 3/8	1.375
A50	1 1/2	1.500
A62	1 5/8	1.625
A75	1 3/4	1.750
A87	1 7/8	1.875
B00	2	2.000
B12	2 1/8	2.125
B25	2 1/4	2.250
B37	2 3/8	2.375
B50	2 1/2	2.500
B62	2 5/8	2.625
B75	2 3/4	2.750
B87	2 7/8	2.875
C00	3	3.000
C12	3 1/8	3.125

Table 4-1 Inch Length/Other

PIN	Size	Size/Length (in.)
C25	3 1/4	3.250
C37	3 3/8	3.375
C50	3 1/2	3.500
C62	3 5/8	3.625
C75	3 3/4	3.750
C87	3 7/8	3.875
D00	4	4.000
D12	4 1/8	4.125
D25	4 1/4	4.250
D37	4 3/8	4.375
D50	4 1/2	4.500
D62	4 5/8	4.625
D75	4 3/4	4.750
D87	4 7/8	4.875
E00	5	5.000
E12	5 1/8	5.125
E25	5 1/4	5.250
E37	5 3/8	5.375
E50	5 1/2	5.500
E62	5 5/8	5.625
E75	5 3/4	5.750
E87	5 7/8	5.875
F00	6	6.000
F12	6 1/8	6.125
F25	6 1/4	6.250
F37	6 3/8	6.375
F50	6 1/2	6.500
F62	6 5/8	6.625
F75	6 3/4	6.750
F87	6 7/8	6.875
G00	7	7.000
G12	7 1/8	7.125
G25	7 1/4	7.250
G37	7 3/8	7.375
G50	7 1/2	7.500
G62	7 5/8	7.625
G75	7 3/4	7.750
G87	7 7/8	7.875
H00	8	8.000
H25	8 1/4	8.250
H50	8 1/2	8.500
H75	8 3/4	8.750
J00	9	9.000
J25	9 1/4	9.250
J50	9 1/2	9.500
J75	9 3/4	9.750
K00	10	10.000
K02	10 1/4	10.250
K05	10 1/2	10.500
K07	10 3/4	10.750
K10	11	11.000
K12	11 1/4	11.250

Table 4-1 Inch Length/Other

PIN	Size	Size/Length (in.)
K15	11 1/2	11.500
K17	11 3/4	11.750
K20	12	12.000
K25	12 1/2	12.500
K30	13	13.000
K35	13 1/2	13.500
K40	14	14.000
K45	14 1/2	14.500
K50	15	15.000
K55	15 1/2	15.500
K60	16	16.000
K65	16 1/2	16.500
K70	17	17.000
K75	17 1/2	17.500
K80	18	18.000
K85	18 1/2	18.500
K90	19	19.000
K95	19 1/2	19.500
L00	20	20.000
01R	1/16	.062 RBD
02R	1/8	.125 RBD
03R	3/16	.188 RBD
04R	1/4	.250 RBD
05R	5/16	.312 RBD
06R	3/8	.375 RBD
07R	7/16	.438 RBD
08R	1/2	.500 RBD
09R	9/16	.562 RBD
10R	5/8	.625 RBD
11R	11/16	.688 RBD
12R	3/4	.750 RBD
13R	13/16	.812 RBD
14R	7/8	.875 RBD
15R	15/16	.938 RBD
16R	1	1.000 RBD
18R	1 1/8	1.125 RBD
20R	1 1/4	1.250 RBD
22R	1 3/8	1.375 RBD
24R	1 1/2	1.500 RBD
26R	1 5/8	1.625 RBD
28R	1 3/4	1.750 RBD
30R	1 7/8	1.875 RBD
32R	2	2.000 RBD
34R	2 1/8	2.125 RBD
36R	2 1/4	2.250 RBD
38R	2 3/8	2.375 RBD
40R	2 1/2	2.500 RBD
42R	2 5/8	2.625 RBD
44R	2 3/4	2.750 RBD
46R	2 7/8	2.875 RBD
48R	3	3.000 RBD
52R	3 1/4	3.250 RBD

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Table 4-1 Inch Length/Other (Cont'd)

PIN	Size	Size/Length (in.)
56R	$3\frac{1}{2}$	3.500 RBD
60R	$3\frac{3}{4}$	3.750 RBD
64R	4	4.000 RBD
68R	$4\frac{1}{4}$	4.250 RBD
72R	$4\frac{1}{2}$	4.500 RBD
76R	$4\frac{3}{4}$	4.750 RBD
80R	5	5.000 RBD
84R	$5\frac{1}{4}$	5.250 RBD
88R	$5\frac{1}{2}$	5.500 RBD
92R	$5\frac{3}{4}$	5.750 RBD
96R	6	6.000 RBD
F2R	$6\frac{1}{4}$	6.250 RBD
F5R	$6\frac{1}{2}$	6.500 RBD
F7R	$6\frac{3}{4}$	6.750 RBD
G0R	7	7.000 RBD
G2R	$7\frac{1}{4}$	7.250 RBD
G5R	$7\frac{1}{2}$	7.500 RBD
G7R	$7\frac{3}{4}$	7.750 RBD
H0R	8	8.000 RBD
H2R	$8\frac{1}{4}$	8.250 RBD
H5R	$8\frac{1}{2}$	8.500 RBD
H7R	$8\frac{3}{4}$	8.750 RBD
J0R	9	9.000 RBD
J2R	$9\frac{1}{4}$	9.250 RBD
J5R	$9\frac{1}{2}$	9.500 RBD
J7R	$9\frac{3}{4}$	9.750 RBD
K0R	10	10.00 RBD
K2R	$10\frac{1}{4}$	10.25 RBD
K5R	$10\frac{1}{2}$	10.50 RBD
K7R	$10\frac{3}{4}$	10.75 RBD
L0R	11	11.00 RBD
L2R	$11\frac{1}{4}$	11.25 RBD
L5R	$11\frac{1}{2}$	11.50 RBD
L7R	$11\frac{3}{4}$	11.75 RBD
M0R	12	12.00 RBD
M5R	$12\frac{1}{2}$	12.50 RBD
N0R	13	13.00 RBD
N5R	$13\frac{1}{2}$	13.50 RBD
P0R	14	14.00 RBD
P5R	$14\frac{1}{2}$	14.50 RBD
Q0R	15	15.00 RBD
Q5R	$15\frac{1}{2}$	15.50 RBD
S0R	16	16.00 RBD
S5R	$16\frac{1}{2}$	16.50 RBD
T0R	17	17.00 RBD
T5R	$17\frac{1}{2}$	17.50 RBD
U0R	18	18.00 RBD
U5R	$18\frac{1}{2}$	18.50 RBD
V0R	19	19.00 RBD
V5R	$19\frac{1}{2}$	19.50 RBD
W0R	20	20.00 RBD

GENERAL NOTE:
(a) RBD = Reduced Body Diameter.

Table 4-2 Metric Length/Other

PIN	Size/Length (mm)
000	No Entry
06M	0.6
08M	0.8
10M	1.0
12M	1.2
14M	1.4
15M	1.5
16M	1.6
20M	2.0
22M	2.2
25M	2.5
29M	2.9
30M	3.0
32M	3.2
35M	3.5
40M	4.0
42M	4.2
48M	4.8
50M	5.0
55M	5.5
60M	6.0
63M	6.3
70M	7.0
80M	8.0
90M	9.0
95M	9.5
010	10
011	11
012	12
013	13
014	14
015	15
016	16
017	17
018	18
019	19
020	20
021	21
022	22
023	23
024	24
025	25
026	26
027	27
028	28
030	30
032	32
033	33
034	34
035	35
036	36
037	37

Table 4-2 Metric Length/Other

PIN	Size/Length (mm)
038	38
040	40
042	42
045	45
046	46
047	47
048	48
050	50
052	52
055	55
056	56
057	57
058	58
060	60
062	62
063	63
065	65
068	68
070	70
072	72
075	75
078	78
080	80
082	82
085	85
088	88
090	90
092	92
095	95
098	98
100	100
102	102
105	105
108	108
110	110
115	115
120	120
125	125
130	130
135	135
140	140
145	145
150	150
155	155
160	160
165	165
175	175
180	180
185	185
190	190
200	200
210	210

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Table 4-2 Metric Length/Other (Cont'd)

PIN	Size/Length (mm)
220	220
230	230
240	240
250	250
260	260
280	280
300	300
320	320
360	360
400	400
0CR	2.5 RBD
03R	3.0 RBD
0DR	3.5 RBD
04R	4.0 RBD
05R	5.0 RBD
06R	6.0 RBD
07R	7.0 RBD
08R	8.0 RBD
09R	9.0 RBD
10R	10 RBD
12R	12 RBD
13R	13 RBD
14R	14 RBD
16R	16 RBD
17R	17 RBD
18R	18 RBD
19R	19 RBD
20R	20 RBD
22R	22 RBD
25R	25 RBD
30R	30 RBD
35R	35 RBD
40R	40 RBD
45R	45 RBD
50R	50 RBD
55R	55 RBD
60R	60 RBD
65R	65 RBD
70R	70 RBD
75R	75 RBD
80R	80 RBD
90R	90 RBD
A0R	100 RBD
A1R	110 RBD
A2R	120 RBD
A3R	130 RBD
A4R	140 RBD
A5R	150 RBD
A6R	160 RBD
A7R	170 RBD
A8R	180 RBD

Table 4-2 Metric Length/Other

PIN	Size/Length (mm)
B0R	200 RBD
B2R	220 RBD
B4R	240 RBD
B6R	260 RBD
B8R	280 RBD
C0R	300 RBD

GENERAL NOTE:
(a) RBD = Reduced Body Diameter.

Table 4-3 Inch Miniature Screw Length

PIN	Length (in.)
020	.020
025	.025
032	.032
040	.040
050	.050
060	.060
080	.080
100	.100
120	.120
160	.160
200	.200
250	.250
320	.320
400	.400
500	.500
600	.600

Table 4-4 Insert Length

PIN	Length
10X	1.0 × Nom. Dia.
15X	1.5 × Nom. Dia.
20X	2.0 × Nom. Dia.
25X	2.5 × Nom. Dia.
30X	3.0 × Nom. Dia.

Table 4-5 Inch Pin Length

PIN	Length (in.)
580	0.58
770	0.77
940	0.94
A06	1.06
A19	1.19
A36	1.36
A61	1.61
A91	1.91
B16	2.16
B24	2.41

Table 4-6 Inch Eyebolt Overall Length

PIN	Length (in.)
B06	2.06
B22	2.22
B38	2.38
B44	2.44
B53	2.53
B66	2.66
B75	2.75
B81	2.81
B97	2.97
C06	3.06
C09	3.09
C19	3.19
C41	3.41
C44	3.44
C47	3.47
C50	3.50
C75	3.75
C78	3.78
C81	3.81
C88	3.88
D12	4.12
D19	4.19
D56	4.56
D69	4.69
D94	4.94
E06	5.06
E31	5.31
E50	5.50
E69	5.69
E75	5.75
E94	5.94
F19	6.19
F31	6.31
F44	6.44
F69	6.69
F88	6.88
G06	7.06
G31	7.31
G69	7.69
G75	7.75
H44	8.44
H56	8.56
H94	8.94
J22	9.22
J50	9.50
J72	9.72
K01	10.12
K05	10.50
K12	11.20
K14	11.44
K15	11.53
K22	12.22
K31	13.19
K40	14.06

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Table 5-1 Material and Treatment: ASTM Material Specifications

ASTM A 183—Carbon Steel Track Bolts and Nuts

PIN	Material Spec	Material	UNS #
AA1	ASTM A 183, Grade 1	Alloy Steel	—
AA2	ASTM A 183, Grade 2	Alloy Steel	—

ASTM A 193/A 193M—Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service

PIN	Material Spec	Material	UNS #
AA3	ASTM A 193/A 193M, Grade B5	Stainless Steel	S50100
AA4	ASTM A 193/A 193M, Grade B6	Stainless Steel	S41000
AA5	ASTM A 193/A 193M, Grade B6X	Stainless Steel	S41000
AA6	ASTM A 193/A 193M, Grade B7	Alloy Steel	G41400
AA7	ASTM A 193/A 193M, Grade B7M	Alloy Steel	G41400
AA8	ASTM A 193/A 193M, Grade B16	Alloy Steel	K14072
AA9	ASTM A 193/A 193M, Grade B8, Class 1	Stainless Steel	S30400
AB0	ASTM A 193/A 193M, Grade B8C, Class 1	Stainless Steel	S34700
AB1	ASTM A 193/A 193M, Grade B8M, Class 1	Stainless Steel	S31600
AB2	ASTM A 193/A 193M, Grade B8P, Class 1	Stainless Steel	S30500
AB3	ASTM A 193/A 193M, Grade B8T, Class 1	Stainless Steel	S32100
AB4	ASTM A 193/A 193M, Grade B8LN, Class 1	Stainless Steel	S30453
AB5	ASTM A 193/A 193M, Grade B8MLN, Class 1	Stainless Steel	S31653
AB6	ASTM A 193/A 193M, Grade B8A, Class 1A	Stainless Steel	S30400
AB7	ASTM A 193/A 193M, Grade B8CA, Class 1A	Stainless Steel	S34700
AB8	ASTM A 193/A 193M, Grade B8MA, Class 1A	Stainless Steel	S31600
AB9	ASTM A 193/A 193M, Grade B8PA, Class 1A	Stainless Steel	S30500
AC0	ASTM A 193/A 193M, Grade B8TA, Class 1A	Stainless Steel	S32100
AC1	ASTM A 193/A 193M, Grade B8LNA, Class 1A	Stainless Steel	S30453
AC2	ASTM A 193/A 193M, Grade B8MLNA, Class 1A	Stainless Steel	S31653
AC3	ASTM A 193/A 193M, Grade B8NA, Class 1A	Stainless Steel	S30451
AC4	ASTM A 193/A 193M, Grade B8MNA, Class 1A	Stainless Steel	S31651
AC5	ASTM A 193/A 193M, Grade B8MLCuNA, Class 1A	Stainless Steel	S31254
AC6	ASTM A 193/A 193M, Grade B8N, Class 1B	Stainless Steel	S30451
AC7	ASTM A 193/A 193M, Grade B8MN, Class 1B	Stainless Steel	S31651
AC8	ASTM A 193/A 193M, Grade B8MLCuN, Class 1B	Stainless Steel	S31254
AC9	ASTM A 193/A 193M, Grade B8R, Class 1C	Stainless Steel	S20910
AD0	ASTM A 193/A 193M, Grade B8RA, Class 1C	Stainless Steel	S20910
AD1	ASTM A 193/A 193M, Grade B8S, Class 1C	Stainless Steel	S21800
AD2	ASTM A 193/A 193M, Grade B8SA, Class 1C	Stainless Steel	S21800
AD3	ASTM A 193/A 193M, Grade B8, Class 1D	Stainless Steel	S30400
AD4	ASTM A 193/A 193M, Grade B8M, Class 1D	Stainless Steel	S31600
AD5	ASTM A 193/A 193M, Grade B8P, Class 1D	Stainless Steel	S30500

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 193/A 193M—Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service (Cont'd)

PIN	Material Spec	Material	UNS #
AD6	ASTM A 193/A 193M, Grade B8LN, Class 1D	Stainless Steel	S30453
AD7	ASTM A 193/A 193M, Grade B8MLN, Class 1D	Stainless Steel	S31653
AD8	ASTM A 193/A 193M, Grade B8N, Class 1D	Stainless Steel	S30451
AD9	ASTM A 193/A 193M, Grade B8MN, Class 1D	Stainless Steel	S31651
AE0	ASTM A 193/A 193M, Grade B8R, Class 1D	Stainless Steel	S20910
AE1	ASTM A 193/A 193M, Grade B8S, Class 1D	Stainless Steel	S21800
AE2	ASTM A 193/A 193M, Grade B8, Class 2	Stainless Steel	S30400
AE3	ASTM A 193/A 193M, Grade B8C, Class 2	Stainless Steel	S34700
AE4	ASTM A 193/A 193M, Grade B8P, Class 2	Stainless Steel	S30500
AE5	ASTM A 193/A 193M, Grade B8T, Class 2	Stainless Steel	S32100
AE6	ASTM A 193/A 193M, Grade B8N, Class 2	Stainless Steel	S30451
AE7	ASTM A 193/A 193M, Grade B8M, Class 2	Stainless Steel	S31600
AE8	ASTM A 193/A 193M, Grade B8MN, Class 2	Stainless Steel	S31651
AE9	ASTM A 193/A 193M, Grade B8MLCuN, Class 2	Stainless Steel	S31254
AF0	ASTM A 193/A 193M, Grade B8M2, Class 2B	Stainless Steel	S31600
AF1	ASTM A 193/A 193M, Grade B8, Class 2B	Stainless Steel	S30400
AF2	ASTM A 193/A 193M, Grade B8M3, Class 2C	Stainless Steel	S31600

ASTM A 194/A 194M—Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service

PIN	Material Spec	Material	UNS #
AF3	ASTM A 194/A 194M, Grade 1	Carbon Steel	K01503
AF4	ASTM A 194/A 194M, Grade 1, Scale-Free Bright Finish Required	Carbon Steel	K01503
AF5	ASTM A 194/A 194M, Grade 2	Carbon Steel	K04002
AF6	ASTM A 194/A 194M, Grade 2, Scale-Free Bright Finish Required	Carbon Steel	K04002
AF7	ASTM A 194/A 194M, Grade 2H	Carbon Steel	K04002
AF8	ASTM A 194/A 194M, Grade 2H, Scale-Free Bright Finish Required	Carbon Steel	K04002
AF9	ASTM A 194/A 194M, Grade 2HM	Carbon Steel	K04002
AG0	ASTM A 194/A 194M, Grade 2HM, Scale-Free Bright Finish Required	Carbon Steel	K04002
AG1	ASTM A 194/A 194M, Grade 3	Stainless Steel	S50100
AG2	ASTM A 194/A 194M, Grade 3, Scale-Free Bright Finish Required	Stainless Steel	S50100
AG3	ASTM A 194/A 194M, Grade 4	Alloy Steel	K14510
AG4	ASTM A 194/A 194M, Grade 4, Scale-Free Bright Finish Required	Alloy Steel	K14510
AG5	ASTM A 194/A 194M, Grade 4L	Alloy Steel	K14510
AG6	ASTM A 194/A 194M, Grade 4L, Scale-Free Bright Finish Required	Alloy Steel	K14510
AG7	ASTM A 194/A 194M, Grade 6	Stainless Steel	S41000
AG8	ASTM A 194/A 194M, Grade 6, Scale-Free Bright Finish Required	Stainless Steel	S41000
AG9	ASTM A 194/A 194M, Grade 6F	Stainless Steel	S41600
AH0	ASTM A 194/A 194M, Grade 6F, Scale-Free Bright Finish Required	Stainless Steel	S41600

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 194/A 194M—Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service (Cont'd)

PIN	Material Spec	Material	UNS #
AH1	ASTM A 194/A 194M, Grade 7	Alloy Steel	G41400
AH2	ASTM A 194/A 194M, Grade 7, Scale-Free Bright Finish Required	Alloy Steel	G41400
AH3	ASTM A 194/A 194M, Grade 7L	Alloy Steel	G41400
AH4	ASTM A 194/A 194M, Grade 7L, Scale-Free Bright Finish Required	Alloy Steel	G41400
AH5	ASTM A 194/A 194M, Grade 7M	Alloy Steel	G41400
AH6	ASTM A 194/A 194M, Grade 7M, Scale-Free Bright Finish Required	Alloy Steel	G41400
AH7	ASTM A 194/A 194M, Grade 16	Stainless Steel	K14072
AH8	ASTM A 194/A 194M, Grade 16, Scale-Free Bright Finish Required	Stainless Steel	K14072
AH9	ASTM A 194/A 194M, Grade 8	Stainless Steel	S30400
AJ0	ASTM A 194/A 194M, Grade 8, Scale-Free Bright Finish Required	Stainless Steel	S30400
AJ1	ASTM A 194/A 194M, Grade 8C	Stainless Steel	S34700
AJ2	ASTM A 194/A 194M, Grade 8C, Scale-Free Bright Finish Required	Stainless Steel	S34700
AJ3	ASTM A 194/A 194M, Grade 8M	Stainless Steel	S31600
AJ4	ASTM A 194/A 194M, Grade 8M, Scale-Free Bright Finish Required	Stainless Steel	S31600
AJ5	ASTM A 194/A 194M, Grade 8T	Stainless Steel	S32100
AJ6	ASTM A 194/A 194M, Grade 8T, Scale-Free Bright Finish Required	Stainless Steel	S32100
AJ7	ASTM A 194/A 194M, Grade 8F	Stainless Steel	S30323
AJ8	ASTM A 194/A 194M, Grade 8F, Scale-Free Bright Finish Required	Stainless Steel	S30323
AJ9	ASTM A 194/A 194M, Grade 8P	Stainless Steel	S30500
AK0	ASTM A 194/A 194M, Grade 8P, Scale-Free Bright Finish Required	Stainless Steel	S30500
AK1	ASTM A 194/A 194M, Grade 8N	Stainless Steel	S30451
AK2	ASTM A 194/A 194M, Grade 8N, Scale-Free Bright Finish Required	Stainless Steel	S30451
AK3	ASTM A 194/A 194M, Grade 8MN	Stainless Steel	S31651
AK4	ASTM A 194/A 194M, Grade 8MN, Scale-Free Bright Finish Required	Stainless Steel	S31651
AK5	ASTM A 194/A 194M, Grade 8R	Stainless Steel	S20910
AK6	ASTM A 194/A 194M, Grade 8R, Scale-Free Bright Finish Required	Stainless Steel	S20910
AK7	ASTM A 194/A 194M, Grade 8S	Stainless Steel	S21800
AK8	ASTM A 194/A 194M, Grade 8S, Scale-Free Bright Finish Required	Stainless Steel	S21800
AK9	ASTM A 194/A 194M, Grade 8LN	Stainless Steel	S30453
AL0	ASTM A 194/A 194M, Grade 8LN, Scale-Free Bright Finish Required	Stainless Steel	S30453
AL1	ASTM A 194/A 194M, Grade 8MLN	Stainless Steel	S31653
AL2	ASTM A 194/A 194M, Grade 8MLN, Scale-Free Bright Finish Required	Stainless Steel	S31653
AL3	ASTM A 194/A 194M, Grade 8MLCuN	Stainless Steel	S31653
AL4	ASTM A 194/A 194M, Grade 8MLCuN, Scale-Free Bright Finish Required	Stainless Steel	S31653
AL5	ASTM A 194/A 194M, Grade 9C	Stainless Steel	N08367
AL6	ASTM A 194/A 194M, Grade 9C, Scale-Free Bright Finish Required	Stainless Steel	N08367
AL7	ASTM A 194/A 194M, Grade 8A	Stainless Steel	S30400
AL8	ASTM A 194/A 194M, Grade 8A, Scale-Free Bright Finish Required	Stainless Steel	S30400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 194/A 194M—Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service (Cont'd)

PIN	Material Spec	Material	UNS #
AL9	ASTM A 194/A 194M, Grade 8CA	Stainless Steel	S34700
AM0	ASTM A 194/A 194M, Grade 8CA, Scale-Free Bright Finish Required	Stainless Steel	S34700
AM1	ASTM A 194/A 194M, Grade 8MA	Stainless Steel	S31600
AM2	ASTM A 194/A 194M, Grade 8MA, Scale-Free Bright Finish Required	Stainless Steel	S31600
AM3	ASTM A 194/A 194M, Grade 8TA	Stainless Steel	S32100
AM4	ASTM A 194/A 194M, Grade 8TA, Scale-Free Bright Finish Required	Stainless Steel	S32100
AM5	ASTM A 194/A 194M, Grade 8FA	Stainless Steel	S30323
AM6	ASTM A 194/A 194M, Grade 8FA, Scale-Free Bright Finish Required	Stainless Steel	S30323
AM7	ASTM A 194/A 194M, Grade 8PA	Stainless Steel	S30500
AM8	ASTM A 194/A 194M, Grade 8PA, Scale-Free Bright Finish Required	Stainless Steel	S30500
AM9	ASTM A 194/A 194M, Grade 8NA	Stainless Steel	S30451
AN0	ASTM A 194/A 194M, Grade 8NA, Scale-Free Bright Finish Required	Stainless Steel	S30451
AN1	ASTM A 194/A 194M, Grade 8MNA	Stainless Steel	S31651
AN2	ASTM A 194/A 194M, Grade 8MNA, Scale-Free Bright Finish Required	Stainless Steel	S31651
AN3	ASTM A 194/A 194M, Grade 8RA	Stainless Steel	S20910
AN4	ASTM A 194/A 194M, Grade 8RA, Scale-Free Bright Finish Required	Stainless Steel	S20910
AN5	ASTM A 194/A 194M, Grade 8SA	Stainless Steel	S21800
AN6	ASTM A 194/A 194M, Grade 8SA, Scale-Free Bright Finish Required	Stainless Steel	S21800
AN7	ASTM A 194/A 194M, Grade 8LNA	Stainless Steel	S30453
AN8	ASTM A 194/A 194M, Grade 8LNA, Scale-Free Bright Finish Required	Stainless Steel	S30453
AN9	ASTM A 194/A 194M, Grade 8MLNA	Stainless Steel	S31653
AP0	ASTM A 194/A 194M, Grade 8MLNA, Scale-Free Bright Finish Required	Stainless Steel	S31653
AP1	ASTM A 194/A 194M, Grade 8MLCuNA	Stainless Steel	S31653
AP2	ASTM A 194/A 194M, Grade 8MLCuNA, Scale-Free Bright Finish Required	Stainless Steel	S31653
AP3	ASTM A 194/A 194M, Grade 9CA	Stainless Steel	N08367
AP4	ASTM A 194/A 194M, Grade 9CA, Scale-Free Bright Finish Required	Stainless Steel	N08367

ASTM A 307—Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength

PIN	Material Spec	Material	UNS #
AP5	ASTM A 307, Grade A	Carbon Steel	—
AP6	ASTM A 307, Grade B	Carbon Steel	—
AP7	ASTM A 307, Grade C	Carbon Steel	—

ASTM A 320/A 320M—Alloy-Steel Bolting Materials for Low-Temperature Service

PIN	Material Spec	Material	UNS #
AP8	ASTM A 320/A 320M, Grade L7	Alloy Steel	G41400
AP9	ASTM A 320/A 320M, Grade L7, Scale-Free Bright Finish Required	Alloy Steel	G41400
AQ0	ASTM A 320/A 320M, Grade L7A	Alloy Steel	G40370
AQ1	ASTM A 320/A 320M, Grade L7A, Scale-Free Bright Finish Required	Alloy Steel	G40370

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 320/A 320M—Alloy-Steel Bolting Materials for Low-Temperature Service (Cont'd)

PIN	Material Spec	Material	UNS #
AQ2	ASTM A 320/A 320M, Grade L7B	Alloy Steel	G41370
AQ3	ASTM A 320/A 320M, Grade L7B, Scale-Free Bright Finish Required	Alloy Steel	G41370
AQ4	ASTM A 320/A 320M, Grade L7C	Alloy Steel	G87400
AQ5	ASTM A 320/A 320M, Grade L7C, Scale-Free Bright Finish Required	Alloy Steel	G87400
AQ6	ASTM A 320/A 320M, Grade L70	Alloy Steel	—
AQ7	ASTM A 320/A 320M, Grade L70, Scale-Free Bright Finish Required	Alloy Steel	—
AQ8	ASTM A 320/A 320M, Grade L71	Alloy Steel	G40370
AQ9	ASTM A 320/A 320M, Grade L71, Scale-Free Bright Finish Required	Alloy Steel	G40370
AR0	ASTM A 320/A 320M, Grade L72	Alloy Steel	—
AR1	ASTM A 320/A 320M, Grade L72, Scale-Free Bright Finish Required	Alloy Steel	—
AR2	ASTM A 320/A 320M, Grade L73	Alloy Steel	—
AR3	ASTM A 320/A 320M, Grade L73, Scale-Free Bright Finish Required	Alloy Steel	—
AR4	ASTM A 320/A 320M, Grade L43	Alloy Steel	G43400
AR5	ASTM A 320/A 320M, Grade L43, Scale-Free Bright Finish Required	Alloy Steel	G43400
AR6	ASTM A 320/A 320M, Grade L7M	Alloy Steel	G41400
AR7	ASTM A 320/A 320M, Grade L7M, Scale-Free Bright Finish Required	Alloy Steel	G41400
AR8	ASTM A 320/A 320M, Grade L1	Alloy Steel	—
AR9	ASTM A 320/A 320M, Grade L1, Scale-Free Bright Finish Required	Alloy Steel	—
AS0	ASTM A 320/A 320M, Grade B8, Class 1	Stainless Steel	S30400
AS1	ASTM A 320/A 320M, Grade B8, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S30400
AS2	ASTM A 320/A 320M, Grade B8C, Class 1	Stainless Steel	S34700
AS3	ASTM A 320/A 320M, Grade B8C, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S34700
AS4	ASTM A 320/A 320M, Grade B8M, Class 1	Stainless Steel	S31600
AS5	ASTM A 320/A 320M, Grade B8M, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S31600
AS6	ASTM A 320/A 320M, Grade B8P, Class 1	Stainless Steel	S30500
AS7	ASTM A 320/A 320M, Grade B8P, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S30500
AS8	ASTM A 320/A 320M, Grade B8F, Class 1	Stainless Steel	S30323
AS9	ASTM A 320/A 320M, Grade B8F, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S30323
AT0	ASTM A 320/A 320M, Grade B8T, Class 1	Stainless Steel	S32100
AT1	ASTM A 320/A 320M, Grade B8T, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S32100
AT2	ASTM A 320/A 320M, Grade B8LN, Class 1	Stainless Steel	S30453
AT3	ASTM A 320/A 320M, Grade B8LN, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S30453
AT4	ASTM A 320/A 320M, Grade B8MLN, Class 1	Stainless Steel	S31653
AT5	ASTM A 320/A 320M, Grade B8MLN, Class 1, Scale-Free Bright Finish Required	Stainless Steel	S31653
AT6	ASTM A 320/A 320M, Grade B8A, Class 1A	Stainless Steel	—
AT7	ASTM A 320/A 320M, Grade B8A, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AT8	ASTM A 320/A 320M, Grade B8CA, Class 1A	Stainless Steel	—
AT9	ASTM A 320/A 320M, Grade B8CA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 320/A 320M—Alloy-Steel Bolting Materials for Low-Temperature Service (Cont'd)

PIN	Material Spec	Material	UNS #
AU0	ASTM A 320/A 320M, Grade B8MA, Class 1A	Stainless Steel	—
AU1	ASTM A 320/A 320M, Grade B8MA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AU2	ASTM A 320/A 320M, Grade B8PA, Class 1A	Stainless Steel	—
AU3	ASTM A 320/A 320M, Grade B8PA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AU4	ASTM A 320/A 320M, Grade B8FA, Class 1A	Stainless Steel	—
AU5	ASTM A 320/A 320M, Grade B8FA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AU6	ASTM A 320/A 320M, Grade B8TA, Class 1A	Stainless Steel	—
AU7	ASTM A 320/A 320M, Grade B8TA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AU8	ASTM A 320/A 320M, Grade B8LNA, Class 1A	Stainless Steel	—
AU9	ASTM A 320/A 320M, Grade B8LNA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AV0	ASTM A 320/A 320M, Grade B8MLNA, Class 1A	Stainless Steel	—
AV1	ASTM A 320/A 320M, Grade B8MLNA, Class 1A, Scale-Free Bright Finish Required	Stainless Steel	—
AV2	ASTM A 320/A 320M, Grade B8, Class 2	Stainless Steel	S30400
AV3	ASTM A 320/A 320M, Grade B8, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S30400
AV4	ASTM A 320/A 320M, Grade B8C, Class 2	Stainless Steel	S34700
AV5	ASTM A 320/A 320M, Grade B8C, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S34700
AV6	ASTM A 320/A 320M, Grade B8P, Class 2	Stainless Steel	S30500
AV7	ASTM A 320/A 320M, Grade B8P, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S30500
AV8	ASTM A 320/A 320M, Grade B8F, Class 2	Stainless Steel	S30323
AV9	ASTM A 320/A 320M, Grade B8F, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S30323
AW0	ASTM A 320/A 320M, Grade B8M, Class 2	Stainless Steel	S31600
AW1	ASTM A 320/A 320M, Grade B8M, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S31600
AW2	ASTM A 320/A 320M, Grade B8T, Class 2	Stainless Steel	S32100
AW3	ASTM A 320/A 320M, Grade B8T, Class 2, Scale-Free Bright Finish Required	Stainless Steel	S32100

ASTM A 325—Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength

PIN	Material Spec	Material	UNS #
AW4	ASTM A 325, Grade Type 1	Carbon Steel	K02706
AW5	ASTM A 325, Grade Type 3	Carbon Steel	K11510

ASTM A 325M—Structural Bolts, Steel Heat Treated 830 Mpa Minimum Tensile Strength (Metric)

PIN	Material Spec	Material	UNS #
AW6	ASTM A 325M, Grade Type 1	Carbon Steel	—
AW7	ASTM A 325M, Grade Type 3	Carbon Steel	—

ASTM A 354—Quenched and Tempered Alloy Steel Bolts, Studs, and Other Externally Threaded Fasteners

PIN	Material Spec	Material	UNS #
AW8	ASTM A 354, Grade BC	Alloy Steel	K04100
AW9	ASTM A 354, Grade BD	Alloy Steel	K04100

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 394—Steel Transmission Tower Bolts, Zinc-Coated and Bare

PIN	Material Spec	Material	UNS #
AX0	ASTM A 394, Grade Type 0	Carbon Steel	—
AX1	ASTM A 394, Grade Type 1	Carbon Steel	—
AX2	ASTM A 394, Grade Type 2	Carbon Steel	—
AX3	ASTM A 394, Grade Type 3	Stainless Steel	—

ASTM A 449—Quenched and Tempered Steel Bolts and Studs

PIN	Material Spec	Material	UNS #
AX4	ASTM A 449, Grade Type 1	Carbon Steel	K04200
AX5	ASTM A 449, Grade Type 2	Carbon Steel	K04200
AX6	ASTM A 449, Grade Type 1 or 2	Carbon Steel	K04200

ASTM A 453—Quenched and Tempered Steel Bolts and Studs

PIN	Material Spec	Material	UNS #
AX7	ASTM A 453/A 453M, Grade 660, Class A (130 ksi)	Stainless Steel	S66286
AX8	ASTM A 453/A 453M, Grade 660, Class B (130 ksi)	Stainless Steel	S66286
AX9	ASTM A 453/A 453M, Grade 660, Class C (130 ksi)	Stainless Steel	S66286
AY0	ASTM A 453/A 453M, Grade 651, Class A (100 ksi)	Stainless Steel	S63198
AY1	ASTM A 453/A 453M, Grade 651, Class B (95 ksi)	Stainless Steel	S63198
AY2	ASTM A 453/A 453M, Grade 662, Class A (130 ksi)	Stainless Steel	S66220
AY3	ASTM A 453/A 453M, Grade 662, Class B (125 ksi)	Stainless Steel	S66220
AY4	ASTM A 453/A 453M, Grade 665, Class A (170 ksi)	Stainless Steel	S66545
AY5	ASTM A 453/A 453M, Grade 665, Class B (155 ksi)	Stainless Steel	S66545

ASTM A 489—Carbon Steel Lifting Eyes

PIN	Material Spec	Material	UNS #
AY6	ASTM A 489, Type 1, Style A	Carbon Steel	K04800
AY7	ASTM A 489, Type 1, Style B	Carbon Steel	K04800
AY8	ASTM A 489, Type 2, Style A	Carbon Steel	K04800
AY9	ASTM A 489, Type 2, Style B	Carbon Steel	K04800

ASTM A 490—Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength

PIN	Material Spec	Material	UNS #
AZ0	ASTM A 490, Type 1	Carbon Steel	K03900
AZ1	ASTM A 490, Type 3	Carbon Steel	K03900

ASTM A 490M—High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints (Metric)

PIN	Material Spec	Material	UNS #
AZ2	ASTM A 490M, Type 1	Carbon Steel	K03900
AZ3	ASTM A 490M, Type 3	Carbon Steel	K03900

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 563—Carbon and Alloy Steel Nuts

PIN	Material Spec	Material	UNS #
AZ4	ASTM A 563, Grade A	Carbon Steel	K05802
AZ5	ASTM A 563, Grade B	Carbon Steel	K05802
AZ6	ASTM A 563, Grade D	Carbon Steel	K05801
AZ7	ASTM A 563, Grade DH	Carbon Steel	K03800
AZ8	ASTM A 563, Grade DH3	Alloy Steel	K13650
AZ9	ASTM A 563, Grade C	Carbon Steel	K05802
BA0	ASTM A 563, Grade C3	Alloy Steel	—
BA1	ASTM A 563, Grade O	Carbon Steel	K05802

ASTM A 563M—Carbon and Alloy Steel Nuts (Metric)

PIN	Material Spec	Material	UNS #
BA2	ASTM A 563M, Property Class 5	Carbon/Alloy Steel	—
BA3	ASTM A 563M, Property Class 5 Overtapped	Carbon/Alloy Steel	—
BA4	ASTM A 563M, Property Class 8S	Carbon/Alloy Steel	—
BA5	ASTM A 563M, Property Class 8S3	Carbon/Alloy Steel	—
BA6	ASTM A 563M, Property Class 9	Carbon/Alloy Steel	—
BA7	ASTM A 563M, Property Class 10	Carbon/Alloy Steel	—
BA8	ASTM A 563M, Property Class 10S3	Carbon/Alloy Steel	—
BA9	ASTM A 563M, Property Class 10S Overtapped	Carbon/Alloy Steel	—
BB0	ASTM A 563M, Property Class 10S	Carbon/Alloy Steel	—
BB1	ASTM A 563M, Property Class 12	Carbon/Alloy Steel	—
BB2	ASTM A 563M, Property Class 12 Overtapped	Carbon/Alloy Steel	—

ASTM A 574—Alloy Steel Socket-Head Cap Screws

PIN	Material Spec	Material	UNS #
BB3	ASTM A 574 Alloy Steel	Alloy Steel	—
BB4	ASTM A 574, Grade 4037	Alloy Steel	G40370
BB5	ASTM A 574, Grade 4042	Alloy Steel	G40420
BB6	ASTM A 574, Grade 4137	Alloy Steel	G41370
BB7	ASTM A 574, Grade 4140	Alloy Steel	G41400
BB8	ASTM A 574, Grade 4142	Alloy Steel	G41420
BB9	ASTM A 574, Grade 4145	Alloy Steel	G41450
BC0	ASTM A 574, Grade 4340	Alloy Steel	G43400
BC1	ASTM A 574, Grade 8740	Alloy Steel	G87400
BC2	ASTM A 574, Grade 5137M	Alloy Steel	K13745
BC3	ASTM A 574, Grade 513B7M	Alloy Steel	K13647

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM A 574M—Alloy Steel Socket-Head Cap Screws (Metric)

PIN	Material Spec	Material	UNS #
BC4	ASTM A 574M Alloy Steel	Alloy Steel	—
BC5	ASTM A 574M, Grade 4037	Alloy Steel	G40370
BC6	ASTM A 574M, Grade 4042	Alloy Steel	G40420
BC7	ASTM A 574M, Grade 4137	Alloy Steel	G41370
BC8	ASTM A 574M, Grade 4140	Alloy Steel	G41400
BC9	ASTM A 574M, Grade 4142	Alloy Steel	G41420
BD0	ASTM A 574M, Grade 4145	Alloy Steel	G41450
BD1	ASTM A 574M, Grade 4340	Alloy Steel	G43400
BD2	ASTM A 574M, Grade 8740	Alloy Steel	G87400
BD3	ASTM A 574M, Grade 5137M	Alloy Steel	K13745
BD4	ASTM A 574M, Grade 513B7M	Alloy Steel	K13647

ASTM A 687—High-Strength Nonheaded Steel Bolts and Studs (Withdrawn 1999)

PIN	Material Spec	Material	UNS #
BD5	ASTM A 687	Carbon Steel	—

ASTM F 2281—Stainless Steel and Nickel Alloy Bolts, Hex Cap Screws, and Studs, for Heat Resistance and High Temperature Applications

PIN	Material Spec	Material	UNS #
EJ7	ASTM F 2281, Type I, Class A—Austenitic, Grade 304, Condition A	Stainless Steel	S30400
EJ8	ASTM F 2281, Type I, Class A—Austenitic, Grade 304, Condition CWA	Stainless Steel	S30400
EJ9	ASTM F 2281, Type I, Class A—Austenitic, Grade 304, Condition HWA	Stainless Steel	S30400
EK0	ASTM F 2281, Type I, Class A—Austenitic, Grade 304L, Condition A	Stainless Steel	S30403
EK1	ASTM F 2281, Type I, Class A—Austenitic, Grade 304L, Condition CWA	Stainless Steel	S30403
EK2	ASTM F 2281, Type I, Class A—Austenitic, Grade 304L, Condition HWA	Stainless Steel	S30403
EK3	ASTM F 2281, Type I, Class A—Austenitic, Grade 316, Condition A	Stainless Steel	S31600
EK4	ASTM F 2281, Type I, Class A—Austenitic, Grade 316, Condition CWA	Stainless Steel	S31600
EK5	ASTM F 2281, Type I, Class A—Austenitic, Grade 316, Condition HWA	Stainless Steel	S31600
EK6	ASTM F 2281, Type I, Class A—Austenitic, Grade 316L, Condition A	Stainless Steel	S31603
EK7	ASTM F 2281, Type I, Class A—Austenitic, Grade 316L, Condition CWA	Stainless Steel	S31603
EK8	ASTM F 2281, Type I, Class A—Austenitic, Grade 316L, Condition HWA	Stainless Steel	S31603
EK9	ASTM F 2281, Type I, Class B—Martensitic, Grade 410, Condition H	Stainless Steel	S41000
EL0	ASTM F 2281, Type I, Class B—Martensitic, Grade 410, Condition HT	Stainless Steel	S41000
EL1	ASTM F 2281, Type I, Class B—Martensitic, Grade 416, Condition H	Stainless Steel	S41600
EL2	ASTM F 2281, Type I, Class B—Martensitic, Grade 416, Condition HT	Stainless Steel	S41600
EL3	ASTM F 2281, Type I, Class B—Martensitic, Grade 431, Condition H	Stainless Steel	S43100
EL4	ASTM F 2281, Type I, Class B—Martensitic, Grade 431, Condition HT	Stainless Steel	S43100
EL5	ASTM F 2281, Type I, Class C—Ferritic, Grade 430, Condition A	Stainless Steel	S43000
EL6	ASTM F 2281, Type I, Class C—Ferritic, Grade 430, Condition CWA	Stainless Steel	S43000
EL7	ASTM F 2281, Type I, Class C—Ferritic, Grade 430, Condition HWA	Stainless Steel	S43000

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 2281—Stainless Steel and Nickel Alloy Bolts, Hex Cap Screws, and Studs, for Heat Resistance and High Temperature Applications

PIN	Material Spec	Material	UNS #
EL8	ASTM F 2281, Type I, Class C—Ferritic, Grade 430F, Condition A	Stainless Steel	S43020
EL9	ASTM F 2281, Type I, Class C—Ferritic, Grade 430F, Condition CWA	Stainless Steel	S43020
EM0	ASTM F 2281, Type I, Class C—Ferritic, Grade 430F, Condition HWA	Stainless Steel	S43020
EM1	ASTM F 2281, Type II—Heat Resisting, Grade 309, Condition A	Heat Resisting Steel	S30900
EM2	ASTM F 2281, Type II—Heat Resisting, Grade 309, Condition CWA	Heat Resisting Steel	S30900
EM3	ASTM F 2281, Type II—Heat Resisting, Grade 309, Condition HWA	Heat Resisting Steel	S30900
EM4	ASTM F 2281, Type II—Heat Resisting, Grade 310, Condition A	Heat Resisting Steel	S31000
EM5	ASTM F 2281, Type II—Heat Resisting, Grade 310, Condition CWA	Heat Resisting Steel	S31000
EM6	ASTM F 2281, Type II—Heat Resisting, Grade 310, Condition HWA	Heat Resisting Steel	S31000
EM7	ASTM F 2281, Type II—Heat Resisting, Grade 321, Condition A	Stainless Steel	S32100
EM8	ASTM F 2281, Type II—Heat Resisting, Grade 321, Condition CWA	Stainless Steel	S32100
EM9	ASTM F 2281, Type II—Heat Resisting, Grade 321, Condition HWA	Stainless Steel	S32100
EN0	ASTM F 2281, Type II—Heat Resisting, Grade 330, Condition A	Nickel Alloy	N08300
EN1	ASTM F 2281, Type II—Heat Resisting, Grade 330, Condition CWA	Nickel Alloy	N08330
EN2	ASTM F 2281, Type II—Heat Resisting, Grade 330, Condition HWA	Nickel Alloy	N08330
EN3	ASTM F 2281, Type II—Heat Resisting, Grade 347, Condition A	Stainless Steel	S34700
EN4	ASTM F 2281, Type II—Heat Resisting, Grade 347, Condition CWA	Stainless Steel	S34700
EN5	ASTM F 2281, Type II—Heat Resisting, Grade 347, Condition HWA	Stainless Steel	S34700
EN6	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 600, Condition A	Nickel Alloy	N06600
EN7	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 600, Condition CWA	Nickel Alloy	N06600
EN8	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 600, Condition HWA	Nickel Alloy	N06600
EN9	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 601, Condition A	Nickel Alloy	N06601
EP0	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 601, Condition CWA	Nickel Alloy	N06601
EP1	ASTM F 2281, Type III, Class A—Nickel Based Alloy, Grade 601, Condition HWA	Nickel Alloy	N06601
EP2	ASTM F 2281, Type III, Class B—Precipitation Hardened, Grade 660, Condition AH1	Iron Base Superalloy (A286)	S66286
EP3	ASTM F 2281, Type III, Class B—Precipitation Hardened, Grade 660, Condition AH2	Iron Base Superalloy (A286)	S66286
EP4	ASTM F 2281, Type III, Class B—Precipitation Hardened, Grade 660, Condition AH3	Iron Base Superalloy (A286)	S66286
EP5	ASTM F 2281, Type III, Class C—Precipitation Hardened, Grade 718, Condition AH4	Nickel Alloy	N07718

ASTM F 436—Hardened Steel Washers

PIN	Material Spec	Material	UNS #
BD6	ASTM F 436, Type 1—Carbon Steel	Carbon Steel	—
BD7	ASTM F 436, Type 3—Weathering Steel	Stainless Steel	—

ASTM F 436M—Hardened Steel Washers (Metric)

PIN	Material Spec	Material	UNS #
BD8	ASTM F 436M, Type 1—Carbon Steel	Carbon Steel	—
BD9	ASTM F 436M, Type 3—Weathering Steel	Stainless Steel	—

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 467—Nonferrous Nuts for General Use

PIN	Material Spec	Material	UNS #
BE0	ASTM F 467, Alloy 110	ETP Copper	C11000
BE1	ASTM F 467, Alloy 110, Stress Relieved	ETP Copper	C11000
BE2	ASTM F 467, Alloy 270	Brass	C27000
BE3	ASTM F 467, Alloy 270, Stress Relieved	Brass	C27000
BE4	ASTM F 467, Alloy 462	Naval Brass	C46200
BE5	ASTM F 467, Alloy 462, Stress Relieved	Naval Brass	C46200
BE6	ASTM F 467, Alloy 464	Naval Brass	C46400
BE7	ASTM F 467, Alloy 464, Stress Relieved	Naval Brass	C46400
BE8	ASTM F 467, Alloy 510	Phosphor Bronze	C51000
BE9	ASTM F 467, Alloy 510, Stress Relieved	Phosphor Bronze	C51000
BF0	ASTM F 467, Alloy 613	Aluminum Bronze	C61300
BF1	ASTM F 467, Alloy 613, Stress Relieved	Aluminum Bronze	C61300
BF2	ASTM F 467, Alloy 614	Aluminum Bronze	C61400
BF3	ASTM F 467, Alloy 614, Stress Relieved	Aluminum Bronze	C61400
BF4	ASTM F 467, Alloy 630	Aluminum Bronze	C63000
BF5	ASTM F 467, Alloy 630, Stress Relieved	Aluminum Bronze	C63000
BF6	ASTM F 467, Alloy 642	Aluminum Silicon Bronze	C64200
BF7	ASTM F 467, Alloy 642, Stress Relieved	Aluminum Silicon Bronze	C64200
BF8	ASTM F 467, Alloy 651	Silicon Bronze	C65100
BF9	ASTM F 467, Alloy 651, Stress Relieved	Silicon Bronze	C65100
BG0	ASTM F 467, Alloy 655	Silicon Bronze	C65500
BG1	ASTM F 467, Alloy 655, Stress Relieved	Silicon Bronze	C65500
BG2	ASTM F 467, Alloy 661	Silicon Bronze	C66100
BG3	ASTM F 467, Alloy 661, Stress Relieved	Silicon Bronze	C66100
BG4	ASTM F 467, Alloy 675	Manganese Bronze	C67500
BG5	ASTM F 467, Alloy 675, Stress Relieved	Manganese Bronze	C67500
BG6	ASTM F 467, Alloy 710	Cupro-Nickel	C71000
BG7	ASTM F 467, Alloy 710, Stress Relieved	Cupro-Nickel	C71000
BG8	ASTM F 467, Alloy 715	Cupro-Nickel	C71500
BG9	ASTM F 467, Alloy 715, Stress Relieved	Cupro-Nickel	C71500
BH0	ASTM F 467, Alloy 335	Ni-Mo	N10001
BH1	ASTM F 467, Alloy 335, Stress Relieved	Ni-Mo	N10001
BH2	ASTM F 467, Alloy 276	Ni-Mo-Cr	N10276
BH3	ASTM F 467, Alloy 276, Stress Relieved	Ni-Mo-Cr	N10276
BH4	ASTM F 467, Alloy 400	Ni-Cu Class A	N04400
BH5	ASTM F 467, Alloy 400, Stress Relieved	Ni-Cu Class A	N04400
BH6	ASTM F 467, Alloy 405	Ni-Cu Class B	N04405
BH7	ASTM F 467, Alloy 405, Stress Relieved	Ni-Cu Class B	N04405

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 467—Nonferrous Nuts for General Use (Cont'd)

PIN	Material Spec	Material	UNS #
BH8	ASTM F 467, Alloy 500	Ni-Cu-Al	N05500
BH9	ASTM F 467, Alloy 500, Stress Relieved	Ni-Cu-Al	N05500
BJ0	ASTM F 467, Alloy 686	Ni-Cr-Mo-W	N06686
BJ1	ASTM F 467, Alloy 686, Stress Relieved	Ni-Cr-Mo-W	N06686
BJ2	ASTM F 467, Alloy 2024	Aluminum 2024	A92024
BJ3	ASTM F 467, Alloy 2024, Stress Relieved	Aluminum 2024	A92024
BJ4	ASTM F 467, Alloy 6061	Aluminum 6061	A96061
BJ5	ASTM F 467, Alloy 6061, Stress Relieved	Aluminum 6061	A96061
BJ6	ASTM F 467, Alloy 6262	Aluminum 6262	A96262
BJ7	ASTM F 467, Alloy 6262, Stress Relieved	Aluminum 6262	A96262
BJ8	ASTM F 467, Alloy 1	Titanium Gr 1	R50250
BJ9	ASTM F 467, Alloy 1, Stress Relieved	Titanium Gr 1	R50250
BK0	ASTM F 467, Alloy 2	Titanium Gr 2	R50400
BK1	ASTM F 467, Alloy 2, Stress Relieved	Titanium Gr 2	R50400
BK2	ASTM F 467, Alloy 4	Titanium Gr 4	R50700
BK3	ASTM F 467, Alloy 4, Stress Relieved	Titanium Gr 4	R50700
BK4	ASTM F 467, Alloy 5	Titanium Gr 5	R56400
BK5	ASTM F 467, Alloy 5, Stress Relieved	Titanium Gr 5	R56400
BK6	ASTM F 467, Alloy 23	Titanium Ti-6Al-4V	R56401
BK7	ASTM F 467, Alloy 23, Stress Relieved	Titanium Ti-6Al-4V	R56401
BK8	ASTM F 467, Alloy 7	Titanium Gr 7	R52400
BK9	ASTM F 467, Alloy 7, Stress Relieved	Titanium Gr 7	R52400
BL0	ASTM F 467, Alloy 19	Titanium Ti-38-6-44	R58640
BL1	ASTM F 467, Alloy 19, Stress Relieved	Titanium Ti-38-6-44	R58640
BL2	ASTM F 467, Alloy 32	Titanium Ti-5-1-1-1	R55111
BL3	ASTM F 467, Alloy 32, Stress Relieved	Titanium Ti-5-1-1-1	R55111
BZ0	ASTM F 468, Alloy 32	Titanium Ti-5-1-1-1	R55111
BZ1	ASTM F 468, Alloy 32, Stress Relieved	Titanium Ti-5-1-1-1	R55111

ASTM F 467M—Nonferrous Nuts for General Use (Metric)

PIN	Material Spec	Material	UNS #
BL4	ASTM F 467M, Alloy 110	ETP Copper	C11000
BL5	ASTM F 467M, Alloy 110, Stress Relieved	ETP Copper	C11000
BL6	ASTM F 467M, Alloy 270	Brass	C27000
BL7	ASTM F 467M, Alloy 270, Stress Relieved	Brass	C27000
BL8	ASTM F 467M, Alloy 462	Naval Brass	C46200
BL9	ASTM F 467M, Alloy 462, Stress Relieved	Naval Brass	C46200
BM0	ASTM F 467M, Alloy 464	Naval Brass	C46400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 467M—Nonferrous Nuts for General Use (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
BM1	ASTM F 467M, Alloy 464, Stress Relieved	Naval Brass	C46400
BM2	ASTM F 467M, Alloy 510	Phosphor Bronze	C51000
BM3	ASTM F 467M, Alloy 510, Stress Relieved	Phosphor Bronze	C51000
BM4	ASTM F 467M, Alloy 614	Aluminum Bronze	C61400
BM5	ASTM F 467M, Alloy 614, Stress Relieved	Aluminum Bronze	C61400
BM6	ASTM F 467M, Alloy 630	Aluminum Bronze	C63000
BM7	ASTM F 467M, Alloy 630, Stress Relieved	Aluminum Bronze	C63000
BM8	ASTM F 467M, Alloy 642	Aluminum Silicon Bronze	C64200
BM9	ASTM F 467M, Alloy 642, Stress Relieved	Aluminum Silicon Bronze	C64200
BN0	ASTM F 467M, Alloy 651	Silicon Bronze	C65100
BN1	ASTM F 467M, Alloy 651, Stress Relieved	Silicon Bronze	C65100
BN2	ASTM F 467M, Alloy 655	Silicon Bronze	C65500
BN3	ASTM F 467M, Alloy 655, Stress Relieved	Silicon Bronze	C65500
BN4	ASTM F 467M, Alloy 661	Silicon Bronze	C66100
BN5	ASTM F 467M, Alloy 661, Stress Relieved	Silicon Bronze	C66100
BN6	ASTM F 467M, Alloy 675	Manganese Bronze	C67500
BN7	ASTM F 467M, Alloy 675, Stress Relieved	Manganese Bronze	C67500
BN8	ASTM F 467M, Alloy 710	Cupro-Nickel	C71000
BN9	ASTM F 467M, Alloy 710, Stress Relieved	Cupro-Nickel	C71000
BP0	ASTM F 467M, Alloy 715	Cupro-Nickel	C71500
BP1	ASTM F 467M, Alloy 715, Stress Relieved	Cupro-Nickel	C71500
BP2	ASTM F 467M, Alloy 335	Ni-Mo	N10001
BP3	ASTM F 467M, Alloy 335, Stress Relieved	Ni-Mo	N10001
BP4	ASTM F 467M, Alloy 276	Ni-Mo-Cr	N10276
BP5	ASTM F 467M, Alloy 276, Stress Relieved	Ni-Mo-Cr	N10276
BP6	ASTM F 467M, Alloy 400	Ni-Cu Class A	N04400
BP7	ASTM F 467M, Alloy 400, Stress Relieved	Ni-Cu Class A	N04400
BP8	ASTM F 467M, Alloy 405	Ni-Cu Class B	N04405
BP9	ASTM F 467M, Alloy 405, Stress Relieved	Ni-Cu Class B	N04405
BQ0	ASTM F 467M, Alloy 500	Ni-Cu-Al	N05500
BQ1	ASTM F 467M, Alloy 500, Stress Relieved	Ni-Cu-Al	N05500
BQ2	ASTM F 467M, Alloy 686	Ni-Cr-Mo-W	N06686
BQ3	ASTM F 467M, Alloy 686, Stress Relieved	Ni-Cr-Mo-W	N06686
BQ4	ASTM F 467M, Alloy 2024	Aluminum 2024	A92024
BQ5	ASTM F 467M, Alloy 2024, Stress Relieved	Aluminum 2024	A92024
BQ6	ASTM F 467M, Alloy 6061	Aluminum 6061	A96061
BQ7	ASTM F 467M, Alloy 6061, Stress Relieved	Aluminum 6061	A96061
BQ8	ASTM F 467M, Alloy 6262	Aluminum 6262	A96262

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 467M—Nonferrous Nuts for General Use (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
BQ9	ASTM F 467M, Alloy 6262, Stress Relieved	Aluminum 6262	A96262
BR0	ASTM F 467M, Alloy 1	Titanium Gr 1	R50250
BR1	ASTM F 467M, Alloy 1, Stress Relieved	Titanium Gr 1	R50250
BR2	ASTM F 467M, Alloy 2	Titanium Gr 2	R50400
BR3	ASTM F 467M, Alloy 2, Stress Relieved	Titanium Gr 2	R50400
BR4	ASTM F 467M, Alloy 4	Titanium Gr 4	R50700
BR5	ASTM F 467M, Alloy 4, Stress Relieved	Titanium Gr 4	R50700
BR6	ASTM F 467M, Alloy 5	Titanium Gr 5	R56400
BR7	ASTM F 467M, Alloy 5, Stress Relieved	Titanium Gr 5	R56400
BR8	ASTM F 467M, Alloy 23	Titanium Ti-6Al-4V	R56401
BR9	ASTM F 467M, Alloy 23, Stress Relieved	Titanium Ti-6Al-4V	R56401
BS0	ASTM F 467M, Alloy 7	Titanium Gr 7	R52400
BS1	ASTM F 467M, Alloy 7, Stress Relieved	Titanium Gr 7	R52400
BS2	ASTM F 467M, Alloy 19	Titanium Ti-38-6-44	R58640
BS3	ASTM F 467M, Alloy 19, Stress Relieved	Titanium Ti-38-6-44	R58640
BS4	ASTM F 467M, Alloy 32	Titanium Ti-5-1-1-1	R55111
BS5	ASTM F 467M, Alloy 32, Stress Relieved	Titanium Ti-5-1-1-1	R55111

ASTM F 468—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use

PIN	Material Spec	Material	UNS #
BS6	ASTM F 468, Alloy 110	ETP Copper	C11000
BS7	ASTM F 468, Alloy 110, Stress Relieved	ETP Copper	C11000
BS8	ASTM F 468, Alloy 270	Brass	C27000
BS9	ASTM F 468, Alloy 270, Stress Relieved	Brass	C27000
BT0	ASTM F 468, Alloy 462	Naval Brass	C46200
BT1	ASTM F 468, Alloy 462, Stress Relieved	Naval Brass	C46200
BT2	ASTM F 468, Alloy 464	Naval Brass	C46400
BT3	ASTM F 468, Alloy 464, Stress Relieved	Naval Brass	C46400
BT4	ASTM F 468, Alloy 510	Phosphor Bronze	C51000
BT5	ASTM F 468, Alloy 510, Stress Relieved	Phosphor Bronze	C51000
BT6	ASTM F 468, Alloy 613	Aluminum Bronze	C61300
BT7	ASTM F 468, Alloy 613, Stress Relieved	Aluminum Bronze	C61300
BT8	ASTM F 468, Alloy 614	Aluminum Bronze	C61400
BT9	ASTM F 468, Alloy 614, Stress Relieved	Aluminum Bronze	C61400
BU0	ASTM F 468, Alloy 630	Aluminum Bronze	C63000
BU1	ASTM F 468, Alloy 630, Stress Relieved	Aluminum Bronze	C63000
BU2	ASTM F 468, Alloy 642	Aluminum Silicon Bronze	C64200
BU3	ASTM F 468, Alloy 642, Stress Relieved	Aluminum Silicon Bronze	C64200

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 468—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Cont'd)

PIN	Material Spec	Material	UNS #
BU4	ASTM F 468, Alloy 651	Silicon Bronze	C65100
BU5	ASTM F 468, Alloy 651, Stress Relieved	Silicon Bronze	C65100
BU6	ASTM F 468, Alloy 655	Silicon Bronze	C65500
BU7	ASTM F 468, Alloy 655, Stress Relieved	Silicon Bronze	C65500
BU8	ASTM F 468, Alloy 661	Silicon Bronze	C66100
BU9	ASTM F 468, Alloy 661, Stress Relieved	Silicon Bronze	C66100
BV0	ASTM F 468, Alloy 675	Manganese Bronze	C67500
BV1	ASTM F 468, Alloy 675, Stress Relieved	Manganese Bronze	C67500
BV2	ASTM F 468, Alloy 710	Cupro-Nickel	C71000
BV3	ASTM F 468, Alloy 710, Stress Relieved	Cupro-Nickel	C71000
BV4	ASTM F 468, Alloy 715	Cupro-Nickel	C71500
BV5	ASTM F 468, Alloy 715, Stress Relieved	Cupro-Nickel	C71500
BV6	ASTM F 468, Alloy 335	Ni-Mo	N10001
BV7	ASTM F 468, Alloy 335, Stress Relieved	Ni-Mo	N10001
BV8	ASTM F 468, Alloy 276	Ni-Mo-Cr	N10276
BV9	ASTM F 468, Alloy 276, Stress Relieved	Ni-Mo-Cr	N10276
BW0	ASTM F 468, Alloy 400	Ni-Cu Class A	N04400
BW1	ASTM F 468, Alloy 400, Stress Relieved	Ni-Cu Class A	N04400
BW2	ASTM F 468, Alloy 405	Ni-Cu Class B	N04405
BW3	ASTM F 468, Alloy 405, Stress Relieved	Ni-Cu Class B	N04405
BW4	ASTM F 468, Alloy 500	Ni-Cu-Al	N05500
BW5	ASTM F 468, Alloy 500, Stress Relieved	Ni-Cu-Al	N05500
BW6	ASTM F 468, Alloy 686	Ni-Cr-Mo-W	N06686
BW7	ASTM F 468, Alloy 686, Stress Relieved	Ni-Cr-Mo-W	N06686
BW8	ASTM F 468, Alloy 2024	Aluminum 2024	A92024
BW9	ASTM F 468, Alloy 2024, Stress Relieved	Aluminum 2024	A92024
BX0	ASTM F 468, Alloy 6061	Aluminum 6061	A96061
BX1	ASTM F 468, Alloy 6061, Stress Relieved	Aluminum 6061	A96061
BX2	ASTM F 468, Alloy 7075	Aluminum 7075	A97075
BX3	ASTM F 468, Alloy 7075, Stress Relieved	Aluminum 7075	A97075
BX4	ASTM F 468, Alloy 1	Titanium Gr 1	R50250
BX5	ASTM F 468, Alloy 1, Stress Relieved	Titanium Gr 1	R50250
BX6	ASTM F 468, Alloy 2	Titanium Gr 2	R50400
BX7	ASTM F 468, Alloy 2, Stress Relieved	Titanium Gr 2	R50400
BX8	ASTM F 468, Alloy 4	Titanium Gr 4	R50700
BX9	ASTM F 468, Alloy 4, Stress Relieved	Titanium Gr 4	R50700
BY0	ASTM F 468, Alloy 5A	Titanium Gr 5	R56400
BY1	ASTM F 468, Alloy 5A, Stress Relieved	Titanium Gr 5	R56400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 468—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Cont'd)

PIN	Material Spec	Material	UNS #
BY2	ASTM F 468, Alloy 5B	Titanium Gr 5	R56400
BY3	ASTM F 468, Alloy 5B, Stress Relieved	Titanium Gr 5	R56400
BY4	ASTM F 468, Alloy 23	Titanium Ti-6Al-4V	R56401
BY5	ASTM F 468, Alloy 23, Stress Relieved	Titanium Ti-6Al-4V	R56401
BY6	ASTM F 468, Alloy 7	Titanium Gr 7	R52400
BY7	ASTM F 468, Alloy 7, Stress Relieved	Titanium Gr 7	R52400
BY8	ASTM F 468, Alloy 19	Titanium Ti-38-6-44	R58640
BY9	ASTM F 468, Alloy 19, Stress Relieved	Titanium Ti-38-6-44	R58640

ASTM F 468M—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric)

PIN	Material Spec	Material	UNS #
BZ2	ASTM F 468M, Alloy 110	ETP Copper	C11000
BZ3	ASTM F 468M, Alloy 110, Stress Relieved	ETP Copper	C11000
BZ4	ASTM F 468M, Alloy 270	Brass	C27000
BZ5	ASTM F 468M, Alloy 270, Stress Relieved	Brass	C27000
BZ6	ASTM F 468M, Alloy 462	Naval Brass	C46200
BZ7	ASTM F 468M, Alloy 462, Stress Relieved	Naval Brass	C46200
BZ8	ASTM F 468M, Alloy 464	Naval Brass	C46400
BZ9	ASTM F 468M, Alloy 464, Stress Relieved	Naval Brass	C46400
CA0	ASTM F 468M, Alloy 510	Phosphor Bronze	C51000
CA1	ASTM F 468M, Alloy 510, Stress Relieved	Phosphor Bronze	C51000
CA2	ASTM F 468M, Alloy 613	Aluminum Bronze	C61300
CA3	ASTM F 468M, Alloy 613, Stress Relieved	Aluminum Bronze	C61300
CA4	ASTM F 468M, Alloy 614	Aluminum Bronze	C61400
CA5	ASTM F 468M, Alloy 614, Stress Relieved	Aluminum Bronze	C61400
CA6	ASTM F 468M, Alloy 630	Aluminum Bronze	C63000
CA7	ASTM F 468M, Alloy 630, Stress Relieved	Aluminum Bronze	C63000
CA8	ASTM F 468M, Alloy 642	Aluminum Silicon Bronze	C64200
CA9	ASTM F 468M, Alloy 642, Stress Relieved	Aluminum Silicon Bronze	C64200
CB0	ASTM F 468M, Alloy 651	Silicon Bronze	C65100
CB1	ASTM F 468M, Alloy 651, Stress Relieved	Silicon Bronze	C65100
CB2	ASTM F 468M, Alloy 655	Silicon Bronze	C65500
CB3	ASTM F 468M, Alloy 655, Stress Relieved	Silicon Bronze	C65500
CB4	ASTM F 468M, Alloy 661	Silicon Bronze	C66100
CB5	ASTM F 468M, Alloy 661, Stress Relieved	Silicon Bronze	C66100
CB6	ASTM F 468M, Alloy 675	Manganese Bronze	C67500
CB7	ASTM F 468M, Alloy 675, Stress Relieved	Manganese Bronze	C67500
CB8	ASTM F 468M, Alloy 710	Cupro-Nickel	C71000

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 468M—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
CB9	ASTM F 468M, Alloy 710, Stress Relieved	Cupro-Nickel	C71000
CC0	ASTM F 468M, Alloy 715	Cupro-Nickel	C71500
CC1	ASTM F 468M, Alloy 715, Stress Relieved	Cupro-Nickel	C71500
CC2	ASTM F 468M, Alloy 335	Ni-Mo	N10001
CC3	ASTM F 468M, Alloy 335, Stress Relieved	Ni-Mo	N10001
CC4	ASTM F 468M, Alloy 276	Ni-Mo-Cr	N10276
CC5	ASTM F 468M, Alloy 276, Stress Relieved	Ni-Mo-Cr	N10276
CC6	ASTM F 468M, Alloy 400	Ni-Cu Class A	N04400
CC7	ASTM F 468M, Alloy 400, Stress Relieved	Ni-Cu Class A	N04400
CC8	ASTM F 468M, Alloy 405	Ni-Cu Class B	N04405
CC9	ASTM F 468M, Alloy 405, Stress Relieved	Ni-Cu Class B	N04405
CD0	ASTM F 468M, Alloy 500	Ni-Cu-Al	N05500
CD1	ASTM F 468M, Alloy 500, Stress Relieved	Ni-Cu-Al	N05500
CD2	ASTM F 468M, Alloy 686	Ni-Cr-Mo-W	N06686
CD3	ASTM F 468M, Alloy 686, Stress Relieved	Ni-Cr-Mo-W	N06686
CD4	ASTM F 468M, Alloy 2024	Aluminum 2024	A92024
CD5	ASTM F 468M, Alloy 2024, Stress Relieved	Aluminum 2024	A92024
CD6	ASTM F 468M, Alloy 6061	Aluminum 6061	A96061
CD7	ASTM F 468M, Alloy 6061, Stress Relieved	Aluminum 6061	A96061
CD8	ASTM F 468M, Alloy 7075	Aluminum 7075	A97075
CD9	ASTM F 468M, Alloy 7075, Stress Relieved	Aluminum 7075	A97075
CE0	ASTM F 468M, Alloy 1	Titanium Gr 1	R50250
CE1	ASTM F 468M, Alloy 1, Stress Relieved	Titanium Gr 1	R50250
CE2	ASTM F 468M, Alloy 2	Titanium Gr 2	R50400
CE3	ASTM F 468M, Alloy 2, Stress Relieved	Titanium Gr 2	R50400
CE4	ASTM F 468M, Alloy 4	Titanium Gr 4	R50700
CE5	ASTM F 468M, Alloy 4, Stress Relieved	Titanium Gr 4	R50700
CE6	ASTM F 468M, Alloy 5A	Titanium Gr 5	R56400
CE7	ASTM F 468M, Alloy 5A, Stress Relieved	Titanium Gr 5	R56400
CE8	ASTM F 468M, Alloy 23	Titanium Ti-6Al-4V	R56401
CE9	ASTM F 468M, Alloy 23, Stress Relieved	Titanium Ti-6Al-4V	R56401
CF0	ASTM F 468M, Alloy 7	Titanium Gr 7	R52400
CF1	ASTM F 468M, Alloy 7, Stress Relieved	Titanium Gr 7	R52400
CF2	ASTM F 468M, Alloy 19	Titanium Ti-38-6-44	R58640
CF3	ASTM F 468M, Alloy 19, Stress Relieved	Titanium Ti-38-6-44	R58640
CF4	ASTM F 468M, Alloy 5B	Titanium Gr 5	R56400
CF5	ASTM F 468M, Alloy 5B, Stress Relieved	Titanium Gr 5	R56400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 468M—Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
CF6	ASTM F 468M, Alloy 32	Titanium Ti-5-1-1-1	R55111
CF7	ASTM F 468M, Alloy 32, Stress Relieved	Titanium Ti-5-1-1-1	R55111

ASTM F 541—Alloy Steel Eyebolts

PIN	Material Spec	Material	UNS #
CF8	ASTM F 541, Alloy Steel	Alloy Steel	—

ASTM F 568M—Carbon and Alloy Steel Externally Threaded Metric Fasteners (Metric)

PIN	Material Spec	Material	UNS #
CF9	ASTM F 568M, Grade 4.6 Low or Medium Carbon Steel	Carbon Steel	—

ASTM F 568M—Carbon and Alloy Steel Externally Threaded Metric Fasteners (Metric)

PIN	Material Spec	Material	UNS #
CG0	ASTM F 568M, Grade 4.8 Low or Medium Carbon Steel, Annealed	Carbon Steel	—
CG1	ASTM F 568M, Grade 5.8 Low or Medium Carbon Steel, Cold Worked	Carbon Steel	—
CG2	ASTM F 568M, Grade 8.8 Medium Carbon Steel, Quenched and Tempered	Carbon Steel	—
CG3	ASTM F 568M, Grade 8.8 Low Carbon Martensitic Steel, Quenched and Tempered	Carbon Steel	—
CG4	ASTM F 568M, Grade 8.8.3 Corrosion Resistant Steel, Quenched and Tempered	Carbon Steel	—
CG5	ASTM F 568M, Grade 9.8 Medium Carbon Steel, Quenched and Tempered	Carbon Steel	—
CG6	ASTM F 568M, Grade 9.8 Low Carbon Matensitic Steel, Quenched and Tempered	Carbon Steel	—
CG7	ASTM F 568M, Grade 10.9 Medium Carbon Steel, Quenched and Tempered	Carbon Steel	—
CG8	ASTM F 568M, Grade 10.9 Medium Carbon Alloy Steel, Quenched and Tempered	Alloy Steel	—
CG9	ASTM F 568M, Grade 10.9 Low Carbon Steel	Carbon Steel	—
CH0	ASTM F 568M, Grade 10.9.3 Corrosion Resistant Steel, Quenched and Tempered	Carbon Steel	—
CH1	ASTM F 568M, Grade 12.9 Alloy Steel, Quenched and Tempered	Alloy Steel	—

ASTM F 593—Stainless Steel Bolts, Hex Cap Screws, and Studs

PIN	Material Spec	Material	UNS #
CH2	ASTM F 593, Alloy Group 1, Default Condition CW	Stainless Steel	—
CH3	ASTM F 593, Alloy Group 1, Condition AF	Stainless Steel	—
CH4	ASTM F 593, Alloy Group 1, Condition A	Stainless Steel	—
CH5	ASTM F 593, Alloy Group 1, Condition SH	Stainless Steel	—
CH6	ASTM F 593, Alloy Group 2, Default Condition CW	Stainless Steel	—
CH7	ASTM F 593, Alloy Group 2, Condition AF	Stainless Steel	—
CH8	ASTM F 593, Alloy Group 2, Condition A	Stainless Steel	—
CH9	ASTM F 593, Alloy Group 2, Condition SH	Stainless Steel	—
CJ0	ASTM F 593, Alloy Group 3, Default Condition CW	Stainless Steel	—
CJ1	ASTM F 593, Alloy Group 3, Condition AF	Stainless Steel	—
CJ2	ASTM F 593, Alloy Group 3, Condition A	Stainless Steel	—

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 593—Stainless Steel Bolts, Hex Cap Screws, and Studs (Cont'd)

PIN	Material Spec	Material	UNS #
CJ3	ASTM F 593, Alloy Group 3, Condition SH	Stainless Steel	—
CJ4	ASTM F 593, Alloy Group 4, Default Condition CW	Stainless Steel	S43000
CJ5	ASTM F 593, Alloy Group 4, Condition A	Stainless Steel	S43000
CJ6	ASTM F 593, Alloy Group 5, Default Condition H	Stainless Steel	S41000
CJ7	ASTM F 593, Alloy Group 5, Condition HT	Stainless Steel	S41000
CJ8	ASTM F 593, Alloy Group 6, Default Condition H	Stainless Steel	S43100
CJ9	ASTM F 593, Alloy Group 6, Condition HT	Stainless Steel	S43100
CK0	ASTM F 593, Alloy Group 7, Default Condition AH	Stainless Steel	S17400
CK1	ASTM F 593, Alloy Group 7, Condition NONE	Stainless Steel	S17400
CK2	ASTM F 593, Alloy 303 Only, Default Condition CW	Stainless Steel	S30300
CK3	ASTM F 593, Alloy 303 Only, Condition AF	Stainless Steel	S30300
CK4	ASTM F 593, Alloy 303 Only, Condition A	Stainless Steel	S30300
CK5	ASTM F 593, Alloy 303 Only, Condition SH	Stainless Steel	S30300
CK6	ASTM F 593, Alloy 303 Se Only, Default Condition CW	Stainless Steel	S30323
CK7	ASTM F 593, Alloy 303 Se Only, Condition AF	Stainless Steel	S30323
CK8	ASTM F 593, Alloy 303 Se Only, Condition A	Stainless Steel	S30323
CK9	ASTM F 593, Alloy 303 Se Only, Condition SH	Stainless Steel	S30323
CL0	ASTM F 593, Alloy 304 Only, Default Condition CW	Stainless Steel	S30400
CL1	ASTM F 593, Alloy 304 Only, Condition AF	Stainless Steel	S30400
CL2	ASTM F 593, Alloy 304 Only, Condition A	Stainless Steel	S30400
CL3	ASTM F 593, Alloy 304 Only, Condition SH	Stainless Steel	S30400
CL4	ASTM F 593, Alloy 304L Only, Default Condition CW	Stainless Steel	S30403
CL5	ASTM F 593, Alloy 384 L Only, Condition AF	Stainless Steel	S30403
CL6	ASTM F 593, Alloy 384 L Only, Condition A	Stainless Steel	S30403
CL7	ASTM F 593, Alloy 384 L Only, Condition SH	Stainless Steel	S30403
CL8	ASTM F 593, Alloy 305 Only, Default Condition CW	Stainless Steel	S30500
CL9	ASTM F 593, Alloy 305 Only, Condition AF	Stainless Steel	S30500
CM0	ASTM F 593, Alloy 305 Only, Condition A	Stainless Steel	S30500
CM1	ASTM F 593, Alloy 305 Only, Condition SH	Stainless Steel	S30500
CM2	ASTM F 593, Alloy 384 Only, Default Condition CW	Stainless Steel	S38400
CM3	ASTM F 593, Alloy 384 Only, Condition AF	Stainless Steel	S38400
CM4	ASTM F 593, Alloy 384 Only, Condition A	Stainless Steel	S38400
CM5	ASTM F 593, Alloy 384 Only, Condition SH	Stainless Steel	S38400
CM6	ASTM F 593, Alloy XM1 Only, Default Condition CW	Stainless Steel	S20300
CM7	ASTM F 593, Alloy XM1 Only, Condition AF	Stainless Steel	S20300

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 593—Stainless Steel Bolts, Hex Cap Screws, and Studs (Cont'd)

PIN	Material Spec	Material	UNS #
CM8	ASTM F 593, Alloy XM1 Only, Condition A	Stainless Steel	S20300
CM9	ASTM F 593, Alloy XM1 Only, Condition SH	Stainless Steel	S20300
CN0	ASTM F 593, Alloy 18-9LW Only, Default Condition CW	Stainless Steel	S30430
CN1	ASTM F 593, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
CN2	ASTM F 593, Alloy 18-9LW Only, Condition A	Stainless Steel	S30430
CN3	ASTM F 593, Alloy 18-9LW Only, Condition SH	Stainless Steel	S30430
CN4	ASTM F 593, Alloy 302HQ (XM7) Only, Default Condition CW	Stainless Steel	S30433
CN5	ASTM F 593, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
CN6	ASTM F 593, Alloy 302HQ (XM7) Only, Condition A	Stainless Steel	S30433
CN7	ASTM F 593, Alloy 302HQ (XM7) Only, Condition SH	Stainless Steel	S30433
CN8	ASTM F 593, Alloy 316 Only, Default Condition CW	Stainless Steel	S31600
CN9	ASTM F 593, Alloy 316 Only, Condition AF	Stainless Steel	S31600
CP0	ASTM F 593, Alloy 316 Only, Condition A	Stainless Steel	S31600
CP1	ASTM F 593, Alloy 316 Only, Condition SH	Stainless Steel	S31600
CP2	ASTM F 593, Alloy 316L Only, Default Condition CW	Stainless Steel	S31603
CP3	ASTM F 593, Alloy 316L Only, Condition AF	Stainless Steel	S31603
CP4	ASTM F 593, Alloy 316L Only, Condition A	Stainless Steel	S31603
CP5	ASTM F 593, Alloy 316L Only, Condition SH	Stainless Steel	S31603
CP6	ASTM F 593, Alloy 321 Only, Default Condition CW	Stainless Steel	S32100
CP7	ASTM F 593, Alloy 321 Only, Condition AF	Stainless Steel	S32100
CP8	ASTM F 593, Alloy 321 Only, Condition A	Stainless Steel	S32100
CP9	ASTM F 593, Alloy 321 Only, Condition SH	Stainless Steel	S32100
CQ0	ASTM F 593, Alloy 347 Only, Default Condition CW	Stainless Steel	S34700
CQ1	ASTM F 593, Alloy 347 Only, Condition AF	Stainless Steel	S34700
CQ2	ASTM F 593, Alloy 347 Only, Condition A	Stainless Steel	S34700
CQ3	ASTM F 593, Alloy 347 Only, Condition SH	Stainless Steel	S34700
CQ4	ASTM F 593, Alloy 430 Only, Default Condition CW	Stainless Steel	S43000
CQ5	ASTM F 593, Alloy 430 Only, Condition A	Stainless Steel	S43000
CQ6	ASTM F 593, Alloy 430F Only, Default Condition CW	Stainless Steel	S43020
CQ7	ASTM F 593, Alloy 430F Only, Condition A	Stainless Steel	S43020
CQ8	ASTM F 593, Alloy 410 Only, Default Condition H	Stainless Steel	S41000
CQ9	ASTM F 593, Alloy 410 Only, Condition HT	Stainless Steel	S41000
CR0	ASTM F 593, Alloy 416 Only, Default Condition H	Stainless Steel	S41600
CR1	ASTM F 593, Alloy 416 Only, Condition HT	Stainless Steel	S41600
CR2	ASTM F 593, Alloy 416 Se Only, Default Condition H	Stainless Steel	S41623
CR3	ASTM F 593, Alloy 416 Se Only, Condition HT	Stainless Steel	S41623

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 594—Stainless Steel Nuts

PIN	Material Spec	Material	UNS #
CR4	ASTM F 594, Alloy Group 1, Default Condition CW	Stainless Steel	—
CR5	ASTM F 594, Alloy Group 1, Condition AF	Stainless Steel	—
CR6	ASTM F 594, Alloy Group 1, Condition A	Stainless Steel	—
CR7	ASTM F 594, Alloy Group 1, Condition SH	Stainless Steel	—
CR8	ASTM F 594, Alloy Group 2, Default Condition CW	Stainless Steel	—
CR9	ASTM F 594, Alloy Group 2, Condition AF	Stainless Steel	—
CS0	ASTM F 594, Alloy Group 2, Condition A	Stainless Steel	—
CS1	ASTM F 594, Alloy Group 2, Condition SH	Stainless Steel	—
CS2	ASTM F 594, Alloy Group 3, Default Condition CW	Stainless Steel	—
CS3	ASTM F 594, Alloy Group 3, Condition AF	Stainless Steel	—
CS4	ASTM F 594, Alloy Group 3, Condition A	Stainless Steel	—
CS5	ASTM F 594, Alloy Group 3, Condition SH	Stainless Steel	—
CS6	ASTM F 594, Alloy Group 4, Default Condition CW	Stainless Steel	S43000
CS7	ASTM F 594, Alloy Group 4, Condition A	Stainless Steel	S43000
CS8	ASTM F 594, Alloy Group 5, Default Condition H	Stainless Steel	S41000
CS9	ASTM F 594, Alloy Group 5, Condition HT	Stainless Steel	S41000
CT0	ASTM F 594, Alloy Group 6, Default Condition H	Stainless Steel	S43100
CT1	ASTM F 594, Alloy Group 6, Condition HT	Stainless Steel	S43100
CT2	ASTM F 594, Alloy Group 7, Default Condition AH	Stainless Steel	S17400
CT3	ASTM F 594, Alloy Group 7, Condition NONE	Stainless Steel	S17400
CT4	ASTM F 594, Alloy 303 Only, Default Condition CW	Stainless Steel	S30300
CT5	ASTM F 594, Alloy 303 Only, Condition AF	Stainless Steel	S30300
CT6	ASTM F 594, Alloy 303 Only, Condition A	Stainless Steel	S30300
CT7	ASTM F 594, Alloy 303 Only, Condition SH	Stainless Steel	S30300
CT8	ASTM F 594, Alloy 303 Se Only, Default Condition CW	Stainless Steel	S30323
CT9	ASTM F 594, Alloy 303 Se Only, Condition AF	Stainless Steel	S30323
CU0	ASTM F 594, Alloy 303 Se Only, Condition A	Stainless Steel	S30323
CU1	ASTM F 594, Alloy 303 Se Only, Condition SH	Stainless Steel	S30323
CU2	ASTM F 594, Alloy 304 Only, Default Condition CW	Stainless Steel	S30400
CU3	ASTM F 594, Alloy 304 Only, Condition AF	Stainless Steel	S30400
CU4	ASTM F 594, Alloy 304 Only, Condition A	Stainless Steel	S30400
CU5	ASTM F 594, Alloy 304 Only, Condition SH	Stainless Steel	S30400
CU6	ASTM F 594, Alloy 304L Only, Default Condition CW	Stainless Steel	S30403
CU7	ASTM F 594, Alloy 384 L Only, Condition AF	Stainless Steel	S30403
CU8	ASTM F 594, Alloy 384 L Only, Condition A	Stainless Steel	S30403
CU9	ASTM F 594, Alloy 384 L Only, Condition SH	Stainless Steel	S30403
CV0	ASTM F 594, Alloy 305 Only, Default Condition CW	Stainless Steel	S30500
CV1	ASTM F 594, Alloy 305 Only, Condition AF	Stainless Steel	S30500

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 594—Stainless Steel Nuts (Cont'd)

PIN	Material Spec	Material	UNS #
CV2	ASTM F 594, Alloy 305 Only, Condition A	Stainless Steel	S30500
CV3	ASTM F 594, Alloy 305 Only, Condition SH	Stainless Steel	S30500
CV4	ASTM F 594, Alloy 384 Only, Default Condition CW	Stainless Steel	S38400
CV5	ASTM F 594, Alloy 384 Only, Condition AF	Stainless Steel	S38400
CV6	ASTM F 594, Alloy 384 Only, Condition A	Stainless Steel	S38400
CV7	ASTM F 594, Alloy 384 Only, Condition SH	Stainless Steel	S38400
CV8	ASTM F 594, Alloy XM1 Only, Default Condition CW	Stainless Steel	S20300
CV9	ASTM F 594, Alloy XM1 Only, Condition AF	Stainless Steel	S20300
CW0	ASTM F 594, Alloy XM1 Only, Condition A	Stainless Steel	S20300
CW1	ASTM F 594, Alloy XM1 Only, Condition SH	Stainless Steel	S20300
CW2	ASTM F 594, Alloy 18-9LW Only, Default Condition CW	Stainless Steel	S30430
CW3	ASTM F 594, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
CW4	ASTM F 594, Alloy 18-9LW Only, Condition A	Stainless Steel	S30430
CW5	ASTM F 594, Alloy 18-9LW Only, Condition SH	Stainless Steel	S30430
CW6	ASTM F 594, Alloy 302HQ (XM7) Only, Default Condition CW	Stainless Steel	S30433
CW7	ASTM F 594, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
CW8	ASTM F 594, Alloy 302HQ (XM7) Only, Condition A	Stainless Steel	S30433
CW9	ASTM F 594, Alloy 302HQ (XM7) Only, Condition SH	Stainless Steel	S30433
CX0	ASTM F 594, Alloy 316 Only, Default Condition CW	Stainless Steel	S31600
CX1	ASTM F 594, Alloy 316 Only, Condition AF	Stainless Steel	S31600
CX2	ASTM F 594, Alloy 316 Only, Condition A	Stainless Steel	S31600
CX3	ASTM F 594, Alloy 316 Only, Condition SH	Stainless Steel	S31600
CX4	ASTM F 594, Alloy 316L Only, Default Condition CW	Stainless Steel	S31603
CX5	ASTM F 594, Alloy 316L Only, Condition AF	Stainless Steel	S31603
CX6	ASTM F 594, Alloy 316L Only, Condition A	Stainless Steel	S31603
CX7	ASTM F 594, Alloy 316L Only, Condition SH	Stainless Steel	S31603
CX8	ASTM F 594, Alloy 321 Only, Default Condition CW	Stainless Steel	S32100
CX9	ASTM F 594, Alloy 321 Only, Condition AF	Stainless Steel	S32100
CY0	ASTM F 594, Alloy 321 Only, Condition A	Stainless Steel	S32100
CY1	ASTM F 594, Alloy 321 Only, Condition SH	Stainless Steel	S32100
CY2	ASTM F 594, Alloy 347 Only, Default Condition CW	Stainless Steel	S34700
CY3	ASTM F 594, Alloy 347 Only, Condition AF	Stainless Steel	S34700
CY4	ASTM F 594, Alloy 347 Only, Condition A	Stainless Steel	S34700
CY5	ASTM F 594, Alloy 347 Only, Condition SH	Stainless Steel	S34700
CY6	ASTM F 594, Alloy 430 Only, Default Condition CW	Stainless Steel	S43000
CY7	ASTM F 594, Alloy 430 Only, Condition A	Stainless Steel	S43000
CY8	ASTM F 594, Alloy 430F Only, Default Condition CW	Stainless Steel	S43020
CY9	ASTM F 594, Alloy 430F Only, Condition A	Stainless Steel	S43020

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 594—Stainless Steel Nuts (Cont'd)

PIN	Material Spec	Material	UNS #
CZ0	ASTM F 594, Alloy 410 Only, Default Condition H	Stainless Steel	S41000
CZ1	ASTM F 594, Alloy 410 Only, Condition HT	Stainless Steel	S41000
CZ2	ASTM F 594, Alloy 416 Only, Default Condition H	Stainless Steel	S41600
CZ3	ASTM F 594, Alloy 416 Only, Condition HT	Stainless Steel	S41600
CZ4	ASTM F 594, Alloy 416 Se Only, Default Condition H	Stainless Steel	S41623
CZ5	ASTM F 594, Alloy 416 Se Only, Condition HT	Stainless Steel	S41623

ASTM F 738M—Stainless Steel Metric Bolts, Screws, and Studs (Metric)

PIN	Material Spec	Material	UNS #
CZ6	ASTM F 738M, Class A1-50, Condition AF	Stainless Steel	—
CZ7	ASTM F 738M, Class A1-70, Condition CW	Stainless Steel	—
CZ8	ASTM F 738M, Class A1-80, Condition SH	Stainless Steel	—
CZ9	ASTM F 738M, Class A2-50, Condition AF	Stainless Steel	—
DA0	ASTM F 738M, Class A2-70, Condition CW	Stainless Steel	—
DA1	ASTM F 738M, Class A2-80, Condition SH	Stainless Steel	—
DA2	ASTM F 738M, Class A4-50, Condition AF	Stainless Steel	—
DA3	ASTM F 738M, Class A4-70, Condition CW	Stainless Steel	—
DA4	ASTM F 738M, Class A4-80, Condition SH	Stainless Steel	—
DA5	ASTM F 738M, Class F1-45, Condition AF	Stainless Steel	S43000
DA6	ASTM F 738M, Class F1-60, Condition CW	Stainless Steel	S43000
DA7	ASTM F 738M, Class C1-50, Condition A	Stainless Steel	S41000
DA8	ASTM F 738M, Class C1-70, Condition H	Stainless Steel	S41000
DA9	ASTM F 738M, Class C1-110, Condition HT	Stainless Steel	S41000
DB0	ASTM F 738M, Class C3-80, Condition H	Stainless Steel	S43100
DB1	ASTM F 738M, Class C3-120, Condition HT	Stainless Steel	S43100
DB2	ASTM F 738M, Class C4-50, Condition A	Stainless Steel	—
DB3	ASTM F 738M, Class C4-70, Condition H	Stainless Steel	—
DB4	ASTM F 738M, Class C4-110, Condition HT	Stainless Steel	—
DB5	ASTM F 738M, Class P1-90, Condition AH	Stainless Steel	S17400
DB6	ASTM F 738M, Class A1-50, Alloy 303 Only, Condition AF	Stainless Steel	S30300
DB7	ASTM F 738M, Class A1-50, Alloy 303Se Only, Condition AF	Stainless Steel	S30323
DB8	ASTM F 738M, Class A1-50, Alloy 304 Only, Condition AF	Stainless Steel	S30400
DB9	ASTM F 738M, Class A1-50, Alloy 304L Only, Condition AF	Stainless Steel	S30403
DC0	ASTM F 738M, Class A1-50, Alloy 305 Only, Condition AF	Stainless Steel	S30500
DC1	ASTM F 738M, Class A1-50, Alloy 384 Only, Condition AF	Stainless Steel	S38400
DC2	ASTM F 738M, Class A1-50, Alloy XM1 Only, Condition AF	Stainless Steel	S20300
DC3	ASTM F 738M, Class A1-50, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
DC4	ASTM F 738M, Class A1-50, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 738M—Stainless Steel Metric Bolts, Screws, and Studs (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
DC5	ASTM F 738M, Class A1-70, Alloy 303 Only, Condition CW	Stainless Steel	S30300
DC6	ASTM F 738M, Class A1-70, Alloy 303Se Only, Condition CW	Stainless Steel	S30323
DC7	ASTM F 738M, Class A1-70, Alloy 304 Only, Condition CW	Stainless Steel	S30400
DC8	ASTM F 738M, Class A1-70, Alloy 304L Only, Condition CW	Stainless Steel	S30403
DC9	ASTM F 738M, Class A1-70, Alloy 305 Only, Condition CW	Stainless Steel	S30500
DD0	ASTM F 738M, Class A1-70, Alloy 384 Only, Condition CW	Stainless Steel	S38400
DD1	ASTM F 738M, Class A1-70, Alloy XM1 Only, Condition CW	Stainless Steel	S20300
DD2	ASTM F 738M, Class A1-70, Alloy 18-9LW Only, Condition CW	Stainless Steel	S30430
DD3	ASTM F 738M, Class A1-70, Alloy 302HQ (XM7) Only, Condition CW	Stainless Steel	S30433
DD4	ASTM F 738M, Class A1-80, Alloy 303 Only, Condition SH	Stainless Steel	S30300
DD5	ASTM F 738M, Class A1-80, Alloy 303Se Only, Condition SH	Stainless Steel	S30323
DD6	ASTM F 738M, Class A1-80, Alloy 304 Only, Condition SH	Stainless Steel	S30400
DD7	ASTM F 738M, Class A1-80, Alloy 304L Only, Condition SH	Stainless Steel	S30403
DD8	ASTM F 738M, Class A1-80, Alloy 305 Only, Condition SH	Stainless Steel	S30500
DD9	ASTM F 738M, Class A1-80, Alloy 384 Only, Condition SH	Stainless Steel	S38400
DE0	ASTM F 738M, Class A1-80, Alloy XM1 Only, Condition SH	Stainless Steel	S20300
DE1	ASTM F 738M, Class A1-80, Alloy 18-9LW Only, Condition SH	Stainless Steel	S30430
DE2	ASTM F 738M, Class A1-80, Alloy 302HQ (XM7) Only, Condition SH	Stainless Steel	S30433
DE3	ASTM F 738M, Class A2-50, Alloy 321 Only, Condition AF	Stainless Steel	S30400
DE4	ASTM F 738M, Class A2-50, Alloy 347 Only, Condition AF	Stainless Steel	S30403
DE5	ASTM F 738M, Class A2-70, Alloy 321 Only, Condition AF	Stainless Steel	S30500
DE6	ASTM F 738M, Class A2-70, Alloy 347 Only, Condition AF	Stainless Steel	S38400
DE7	ASTM F 738M, Class A2-80, Alloy 321 Only, Condition SH	Stainless Steel	S20300
DE8	ASTM F 738M, Class A2-80, Alloy 347 Only, Condition SH	Stainless Steel	S30430
DE9	ASTM F 738M, Class A4-50, Alloy 316 Only, Condition AF	Stainless Steel	S31600
DF0	ASTM F 738M, Class A4-50, Alloy 316L Only, Condition AF	Stainless Steel	S31603
DF1	ASTM F 738M, Class A4-70, Alloy 316 Only, Condition CW	Stainless Steel	S31600
DF2	ASTM F 738M, Class A4-70, Alloy 316L Only, Condition CW	Stainless Steel	S31603
DF3	ASTM F 738M, Class A4-80, Alloy 316 Only, Condition SH	Stainless Steel	S31600
DF4	ASTM F 738M, Class A4-80, Alloy 316L Only, Condition SH	Stainless Steel	S31603
DF5	ASTM F 738M, Class F1-45, Alloy 430 Only, Condition AF	Stainless Steel	S43000
DF6	ASTM F 738M, Class F1-45, Alloy 430F Only, Condition AF	Stainless Steel	S43020
DF7	ASTM F 738M, Class F1-60, Alloy 430 Only, Condition CW	Stainless Steel	S43000
DF8	ASTM F 738M, Class F1-60, Alloy 430F Only, Condition CW	Stainless Steel	S43020
DF9	ASTM F 738M, Class C4-50, Alloy 416 Only, Condition A	Stainless Steel	S41600
DG0	ASTM F 738M, Class C4-50, Alloy 416L Only, Condition A	Stainless Steel	S41623
DG1	ASTM F 738M, Class C4-70, Alloy 416 Only, Condition H	Stainless Steel	S41600
DG2	ASTM F 738M, Class C4-70, Alloy 416L Only, Condition H	Stainless Steel	S41623

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 738M—Stainless Steel Metric Bolts, Screws, and Studs (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
DG3	ASTM F 738M, Class C4-110, Alloy 416 Only, Condition HT	Stainless Steel	S41600
DG4	ASTM F 738M, Class C4-110, Alloy 416L Only, Condition HT	Stainless Steel	S41623

ASTM F 835—Alloy Steel Socket Button and Flat Countersunk Head Cap Screws

PIN	Material Spec	Material	UNS #
DG5	ASTM F 835, Quenched and Tempered Alloy Steel	Alloy Steel	—

ASTM F 835M—Alloy Steel Socket Button and Flat Countersunk Head Cap Screws (Metric)

PIN	Material Spec	Material	UNS #
DG6	ASTM F 835M, Quenched and Tempered Alloy Steel	Alloy Steel	—

ASTM F 836M—Stainless Steel Metric Bolts, Screws, and Studs (Metric)

PIN	Material Spec	Material	UNS #
DG7	ASTM F 836M, Class A1-50, Condition A	Stainless Steel	—
DG8	ASTM F 836M, Class A1-50, Condition AF	Stainless Steel	—
DG9	ASTM F 836M, Class A1-70, Condition CW	Stainless Steel	—
DH0	ASTM F 836M, Class A1-80, Condition SH	Stainless Steel	—
DH1	ASTM F 836M, Class A2-50, Condition A	Stainless Steel	—
DH2	ASTM F 836M, Class A2-50, Condition AF	Stainless Steel	—
DH3	ASTM F 836M, Class A2-70, Condition CW	Stainless Steel	—
DH4	ASTM F 836M, Class A2-80, Condition SH	Stainless Steel	—
DH5	ASTM F 836M, Class A4-50, Condition A	Stainless Steel	—
DH6	ASTM F 836M, Class A4-50, Condition AF	Stainless Steel	—
DH7	ASTM F 836M, Class A4-70, Condition CW	Stainless Steel	—
DH8	ASTM F 836M, Class A4-80, Condition SH	Stainless Steel	—
DH9	ASTM F 836M, Class F1-45, Condition A	Stainless Steel	—
DJ0	ASTM F 836M, Class F1-45, Condition AF	Stainless Steel	—
DJ1	ASTM F 836M, Class C1-70, Condition H	Stainless Steel	S41000
DJ2	ASTM F 836M, Class C1-110, Condition HT	Stainless Steel	S41000
DJ3	ASTM F 836M, Class C3-80, Condition H	Stainless Steel	S43100
DJ4	ASTM F 836M, Class C3-120, Condition HT	Stainless Steel	S43100
DJ5	ASTM F 836M, Class C4-70, Condition H	Stainless Steel	—
DJ6	ASTM F 836M, Class C4-110, Condition HT	Stainless Steel	—
DJ7	ASTM F 836M, Class P1-90, Condition AH	Stainless Steel	S17400
DJ8	ASTM F 836M, Class A1-50, Alloy 303 Only, Condition A	Stainless Steel	S30300
DJ9	ASTM F 836M, Class A1-50, Alloy 303 Only, Condition AF	Stainless Steel	S30300
DK0	ASTM F 836M, Class A1-50, Alloy 303Se Only, Condition A	Stainless Steel	S30323
DK1	ASTM F 836M, Class A1-50, Alloy 303Se Only, Condition AF	Stainless Steel	S30323
DK2	ASTM F 836M, Class A1-50, Alloy 304 Only, Condition A	Stainless Steel	S30400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 836M—Stainless Steel Metric Bolts, Screws, and Studs (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
DK3	ASTM F 836M, Class A1-50, Alloy 304 Only, Condition AF	Stainless Steel	S30400
DK4	ASTM F 836M, Class A1-50, Alloy 304L Only, Condition A	Stainless Steel	S30403
DK5	ASTM F 836M, Class A1-50, Alloy 304L Only, Condition AF	Stainless Steel	S30403
DK6	ASTM F 836M, Class A1-50, Alloy 305 Only, Condition A	Stainless Steel	S30500
DK7	ASTM F 836M, Class A1-50, Alloy 305 Only, Condition AF	Stainless Steel	S30500
DK8	ASTM F 836M, Class A1-50, Alloy 384 Only, Condition A	Stainless Steel	S38400
DK9	ASTM F 836M, Class A1-50, Alloy 384 Only, Condition AF	Stainless Steel	S38400
DL0	ASTM F 836M, Class A1-50, Alloy XM1 Only, Condition A	Stainless Steel	S20300
DL1	ASTM F 836M, Class A1-50, Alloy XM1 Only, Condition AF	Stainless Steel	S20300
DL2	ASTM F 836M, Class A1-50, Alloy 302HQ (XM7) Only, Condition A	Stainless Steel	S30433
DL3	ASTM F 836M, Class A1-50, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
DL4	ASTM F 836M, Class A1-50, Alloy 18-9LW Only, Condition A	Stainless Steel	S30430
DL5	ASTM F 836M, Class A1-50, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
DL6	ASTM F 836M, Class A1-70, Alloy 303 Only, Condition CW	Stainless Steel	S30300
DL7	ASTM F 836M, Class A1-70, Alloy 303Se Only, Condition CW	Stainless Steel	S30323
DL8	ASTM F 836M, Class A1-70, Alloy 304 Only, Condition CW	Stainless Steel	S30400
DL9	ASTM F 836M, Class A1-70, Alloy 304L Only, Condition CW	Stainless Steel	S30403
DM0	ASTM F 836M, Class A1-70, Alloy 305 Only, Condition CW	Stainless Steel	S30500
DM1	ASTM F 836M, Class A1-70, Alloy 384 Only, Condition CW	Stainless Steel	S38400
DM2	ASTM F 836M, Class A1-70, Alloy XM1 Only, Condition CW	Stainless Steel	S20300
DM3	ASTM F 836M, Class A1-70, Alloy 18-9LW Only, Condition CW	Stainless Steel	S30430
DM4	ASTM F 836M, Class A1-70, Alloy 302HQ (XM7) Only, Condition CW	Stainless Steel	S30433
DM5	ASTM F 836M, Class A1-80, Alloy 303 Only, Condition SH	Stainless Steel	S30300
DM6	ASTM F 836M, Class A1-80, Alloy 303Se Only, Condition SH	Stainless Steel	S30323
DM7	ASTM F 836M, Class A1-80, Alloy 304 Only, Condition SH	Stainless Steel	S30400
DM8	ASTM F 836M, Class A1-80, Alloy 304L Only, Condition SH	Stainless Steel	S30403
DM9	ASTM F 836M, Class A1-80, Alloy 305 Only, Condition SH	Stainless Steel	S30500
DN0	ASTM F 836M, Class A1-80, Alloy 384 Only, Condition SH	Stainless Steel	S38400
DN1	ASTM F 836M, Class A1-80, Alloy XM1 Only, Condition SH	Stainless Steel	S20300
DN2	ASTM F 836M, Class A1-80, Alloy 302HQ (XM7) Only, Condition SH	Stainless Steel	S30433
DN3	ASTM F 836M, Class A1-80, Alloy 18-9LW Only, Condition SH	Stainless Steel	S30430
DN4	ASTM F 836M, Class A4-50, Alloy 316 Only, Condition A	Stainless Steel	S31600
DN5	ASTM F 836M, Class A4-50, Alloy 316 Only, Condition AF	Stainless Steel	S31600
DN6	ASTM F 836M, Class A4-50, Alloy 316L Only, Condition A	Stainless Steel	S31603
DN7	ASTM F 836M, Class A4-50, Alloy 316L Only, Condition AF	Stainless Steel	S31603
DN8	ASTM F 836M, Class A4-70, Alloy 316 Only, Condition CW	Stainless Steel	S31600
DN9	ASTM F 836M, Class A4-70, Alloy 316L Only, Condition CW	Stainless Steel	S31603
DP0	ASTM F 836M, Class A4-80, Alloy 316 Only, Condition SH	Stainless Steel	S31600

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 836M—Stainless Steel Metric Bolts, Screws, and Studs (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
DP1	ASTM F 836M, Class A4-80, Alloy 316L Only, Condition SH	Stainless Steel	S31603
DP2	ASTM F 836M, Class A2-50, Alloy 321 Only, Condition A	Stainless Steel	S30400
DP3	ASTM F 836M, Class A2-50, Alloy 321 Only, Condition AF	Stainless Steel	S30400
DP4	ASTM F 836M, Class A2-50, Alloy 347 Only, Condition A	Stainless Steel	S30403
DP5	ASTM F 836M, Class A2-50, Alloy 347 Only, Condition AF	Stainless Steel	S30403
DP6	ASTM F 836M, Class A2-70, Alloy 321 Only, Condition CW	Stainless Steel	S30500
DP7	ASTM F 836M, Class A2-70, Alloy 347 Only, Condition CW	Stainless Steel	S38400
DP8	ASTM F 836M, Class A2-80, Alloy 321 Only, Condition SH	Stainless Steel	S20300
DP9	ASTM F 836M, Class A2-80, Alloy 347 Only, Condition SH	Stainless Steel	S30430
DQ0	ASTM F 836M, Class F1-45, Alloy 430 Only, Condition A	Stainless Steel	S43000
DQ1	ASTM F 836M, Class F1-45, Alloy 430 Only, Condition AF	Stainless Steel	S43000
DQ2	ASTM F 836M, Class F1-45, Alloy 430F Only, Condition A	Stainless Steel	S43020
DQ3	ASTM F 836M, Class F1-45, Alloy 430F Only, Condition AF	Stainless Steel	S43020
DQ4	ASTM F 836M, Class C4-70, Alloy 416 Only, Condition A	Stainless Steel	S41600
DQ5	ASTM F 836M, Class C4-70, Alloy 416 Only, Condition H	Stainless Steel	S41600
DQ6	ASTM F 836M, Class C4-70, Alloy 416L Only, Condition A	Stainless Steel	S41623
DQ7	ASTM F 836M, Class C4-70, Alloy 416L Only, Condition H	Stainless Steel	S41623
DQ8	ASTM F 836M, Class C4-110, Alloy 416 Only, Condition HT	Stainless Steel	S41600
DQ9	ASTM F 836M, Class C4-110, Alloy 416L Only, Condition HT	Stainless Steel	S41623

ASTM F 837—Stainless Steel Socket Head Cap Screws

PIN	Material Spec	Material	UNS #
DR0	ASTM F 837, Alloy Group 1 AF	Stainless Steel	—
DR1	ASTM F 837, Alloy Group 1 AF, Apply Supplementary Reqt. S7	Stainless Steel	—
DR2	ASTM F 837, Alloy Group 1 CW	Stainless Steel	—
DR3	ASTM F 837, Alloy Group 1 CW, Apply Supplementary Reqt. S7	Stainless Steel	—
DR4	ASTM F 837, Alloy Group 1 CW1	Stainless Steel	—
DR5	ASTM F 837, Alloy Group 1 CW1, Apply Supplementary Reqt. S7	Stainless Steel	—
DR6	ASTM F 837, Alloy Group 5 HT	Stainless Steel	S41000
DR7	ASTM F 837, Alloy Group 5 HT, Apply Supplementary Reqt. S7	Stainless Steel	S41000
DR8	ASTM F 837, Alloy 303 Only, Condition AF	Stainless Steel	S30300
DR9	ASTM F 837, Alloy 303 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30300
DS0	ASTM F 837, Alloy 303 Only, Condition CW	Stainless Steel	S30300
DS1	ASTM F 837, Alloy 303 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S30300
DS2	ASTM F 837, Alloy 303 Only, Condition CW1	Stainless Steel	S30300
DS3	ASTM F 837, Alloy 303 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S30300
DS4	ASTM F 837, Alloy 304 Only, Condition AF	Stainless Steel	S30400
DS5	ASTM F 837, Alloy 304 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30400

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 837—Stainless Steel Socket Head Cap Screws (Cont'd)

PIN	Material Spec	Material	UNS #
DS6	ASTM F 837, Alloy 304 Only, Condition CW	Stainless Steel	S30400
DS7	ASTM F 837, Alloy 304 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S30400
DS8	ASTM F 837, Alloy 304 Only, Condition CW1	Stainless Steel	S30400
DS9	ASTM F 837, Alloy 304 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S30400
DT0	ASTM F 837, Alloy 304L Only, Condition AF	Stainless Steel	S30403
DT1	ASTM F 837, Alloy 304L Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30403
DT2	ASTM F 837, Alloy 304L Only, Condition CW	Stainless Steel	S30403
DT3	ASTM F 837, Alloy 304L Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S30403
DT4	ASTM F 837, Alloy 304L Only, Condition CW1	Stainless Steel	S30403
DT5	ASTM F 837, Alloy 304L Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S30403
DT6	ASTM F 837, Alloy 305 Only, Condition AF	Stainless Steel	S30500
DT7	ASTM F 837, Alloy 305 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30500
DT8	ASTM F 837, Alloy 305 Only, Condition CW	Stainless Steel	S30500
DT9	ASTM F 837, Alloy 305 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S30500
DU0	ASTM F 837, Alloy 305 Only, Condition CW1	Stainless Steel	S30500
DU1	ASTM F 837, Alloy 305 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S30500
DU2	ASTM F 837, Alloy 384 Only, Condition AF	Stainless Steel	S38400
DU3	ASTM F 837, Alloy 384 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S38400
DU4	ASTM F 837, Alloy 384 Only, Condition CW	Stainless Steel	S38400
DU5	ASTM F 837, Alloy 384 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S38400
DU6	ASTM F 837, Alloy 384 Only, Condition CW1	Stainless Steel	S38400
DU7	ASTM F 837, Alloy 384 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S38400
DU8	ASTM F 837, Alloy XM1 Only, Condition AF	Stainless Steel	S20300
DU9	ASTM F 837, Alloy XM1 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S20300
DV0	ASTM F 837, Alloy XM1 Only, Condition CW	Stainless Steel	S20300
DV1	ASTM F 837, Alloy XM1 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S20300
DV2	ASTM F 837, Alloy XM1 Only, Condition CW1	Stainless Steel	S20300
DV3	ASTM F 837, Alloy XM1 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S20300
DV4	ASTM F 837, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
DV5	ASTM F 837, Alloy 18-9LW Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30430
DV6	ASTM F 837, Alloy 18-9LW Only, Condition CW	Stainless Steel	S30430
DV7	ASTM F 837, Alloy 18-9LW Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S30430
DV8	ASTM F 837, Alloy 18-9LW Only, Condition CW1	Stainless Steel	S30430
DV9	ASTM F 837, Alloy 18-9LW Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S30430
DW0	ASTM F 837, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
DW1	ASTM F 837, Alloy 302HQ (XM7) Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S30433
DW2	ASTM F 837, Alloy 302HQ (XM7) Only, Condition ACW	Stainless Steel	S30433
DW3	ASTM F 837, Alloy 302HQ (XM7) Only, Condition ACW, Apply Supplementary Reqt. S7	Stainless Steel	S30433

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 837—Stainless Steel Socket Head Cap Screws (Cont'd)

PIN	Material Spec	Material	UNS #
DW4	ASTM F 837, Alloy 302HQ (XM7) Only, Condition ACW1	Stainless Steel	S30433
DW5	ASTM F 837, Alloy 302HQ (XM7) Only, Condition ACW1, Apply Supplementary Reqt. S7	Stainless Steel	S30433
DW6	ASTM F 837, Alloy 316 Only, Condition AF	Stainless Steel	S31600
DW7	ASTM F 837, Alloy 316 Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S31600
DW8	ASTM F 837, Alloy 316 Only, Condition CW	Stainless Steel	S31600
DW9	ASTM F 837, Alloy 316 Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S31600
DX0	ASTM F 837, Alloy 316 Only, Condition CW1	Stainless Steel	S31600
DX1	ASTM F 837, Alloy 316 Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S31600
DX2	ASTM F 837, Alloy 316L Only, Condition AF	Stainless Steel	S31603
DX3	ASTM F 837, Alloy 316L Only, Condition AF, Apply Supplementary Reqt. S7	Stainless Steel	S31603
DX4	ASTM F 837, Alloy 316L Only, Condition CW	Stainless Steel	S31603
DX5	ASTM F 837, Alloy 316L Only, Condition CW, Apply Supplementary Reqt. S7	Stainless Steel	S31603
DX6	ASTM F 837, Alloy 316L Only, Condition CW1	Stainless Steel	S31603
DX7	ASTM F 837, Alloy 316L Only, Condition CW1, Apply Supplementary Reqt. S7	Stainless Steel	S31603

ASTM F 837M—Stainless Steel Socket Head Cap Screws (Metric)

PIN	Material Spec	Material	UNS #
DA0	ASTM F 837M, Class A1-70, Alloy 316L Only, Cold Worked	Stainless Steel	S31603
DX8	ASTM F 837M, Class A1-50, Annealed	Stainless Steel	—
DX9	ASTM F 837M, Class A1-70, Cold Worked	Stainless Steel	—
DY0	ASTM F 837M, Class C1-110	Stainless Steel	S41000
DY1	ASTM F 837M, Class A1-50, Alloy 303 Only, Annealed	Stainless Steel	S30300
DY2	ASTM F 837M, Class A1-50, Alloy 304 Only, Annealed	Stainless Steel	S30400
DY3	ASTM F 837M, Class A1-50, Alloy 304L Only, Annealed	Stainless Steel	S30403
DY4	ASTM F 837M, Class A1-50, Alloy 305 Only, Annealed	Stainless Steel	S30500
DY5	ASTM F 837M, Class A1-50, Alloy 384 Only, Annealed	Stainless Steel	S38400
DY6	ASTM F 837M, Class A1-50, Alloy XM1 Only, Annealed	Stainless Steel	S20300
DY7	ASTM F 837M, Class A1-50, Alloy 18-9LW Only, Annealed	Stainless Steel	S30430
DY8	ASTM F 837M, Class A1-50, Alloy 302HQ (XM7) Only, Annealed	Stainless Steel	S30433
DY9	ASTM F 837M, Class A1-50, Alloy 316 Only, Annealed	Stainless Steel	S31600
DZ0	ASTM F 837M, Class A1-50, Alloy 316L Only, Annealed	Stainless Steel	S31603
DZ1	ASTM F 837M, Class A1-70, Alloy 303 Only, Cold Worked	Stainless Steel	S30300
DZ2	ASTM F 837M, Class A1-70, Alloy 304 Only, Cold Worked	Stainless Steel	S30400
DZ3	ASTM F 837M, Class A1-70, Alloy 304L Only, Cold Worked	Stainless Steel	S30403
DZ4	ASTM F 837M, Class A1-70, Alloy 305 Only, Cold Worked	Stainless Steel	S30500
DZ5	ASTM F 837M, Class A1-70, Alloy 384 Only, Cold Worked	Stainless Steel	S38400
DZ6	ASTM F 837M, Class A1-70, Alloy XM1 Only, Cold Worked	Stainless Steel	S20300
DZ7	ASTM F 837M, Class A1-70, Alloy 18-9LW Only, Cold Worked	Stainless Steel	S30430

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 837M—Stainless Steel Socket Head Cap Screws (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
DZ8	ASTM F 837M, Class A1-70, Alloy 302HQ (XM7) Only, Cold Worked	Stainless Steel	S30433
DZ9	ASTM F 837M, Class A1-70, Alloy 316 Only, Cold Worked	Stainless Steel	S31600

ASTM F 844—Washers, Steel, Plain (Flat), Unhardened for General Use

PIN	Material Spec	Material	UNS #
EA1	ASTM F 844, Carbon Steel, UNS G10050,10060,080,090,10100,110,120,130,150	Carbon Steel	—

ASTM F 879—Stainless Steel Socket Button and Flat Countersunk Head Cap Screws

PIN	Material Spec	Material	UNS #
EA2	ASTM F 879, Alloy Group 1, Condition AF	Stainless Steel	—
EA3	ASTM F 879, Alloy Group 1, Condition CW	Stainless Steel	—
EA4	ASTM F 879, Alloy 304 Only, Condition AF	Stainless Steel	S30400
EA5	ASTM F 879, Alloy 304 Only, Condition CW	Stainless Steel	S30400
EA6	ASTM F 879, Alloy 304L Only, Condition AF	Stainless Steel	S30403
EA7	ASTM F 879, Alloy 304L Only, Condition CW	Stainless Steel	S30403
EA8	ASTM F 879, Alloy 305 Only, Condition AF	Stainless Steel	S30500
EA9	ASTM F 879, Alloy 305 Only, Condition CW	Stainless Steel	S30500
EB0	ASTM F 879, Alloy 384 Only, Condition AF	Stainless Steel	S38400
EB1	ASTM F 879, Alloy 384 Only, Condition CW	Stainless Steel	S38400
EB2	ASTM F 879, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430
EB3	ASTM F 879, Alloy 18-9LW Only, Condition CW	Stainless Steel	S30430
EB4	ASTM F 879, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
EB5	ASTM F 879, Alloy 302HQ (XM7) Only, Condition CW	Stainless Steel	S30433
EB6	ASTM F 879, Alloy 316 Only, Condition AF	Stainless Steel	S31600
EB7	ASTM F 879, Alloy 316 Only, Condition CW	Stainless Steel	S31600
EB8	ASTM F 879, Alloy 316L Only, Condition AF	Stainless Steel	S31603
EB9	ASTM F 879, Alloy 316L Only, Condition CW	Stainless Steel	S31603

ASTM F 879M—Stainless Steel Socket Button and Flat Countersunk Head Cap Screws (Metric)

PIN	Material Spec	Material	UNS #
EC0	ASTM F 879M, Class A1-50, Annealed	Stainless Steel	—
EC1	ASTM F 879M, Class A1-70, Cold Worked	Stainless Steel	—
EC2	ASTM F 879M, Class A1-50, Alloy 304 Only, Annealed	Stainless Steel	S30400
EC3	ASTM F 879M, Class A1-50, Alloy 304L Only, Annealed	Stainless Steel	S30403
EC4	ASTM F 879M, Class A1-50, Alloy 305 Only, Annealed	Stainless Steel	S30500
EC5	ASTM F 879M, Class A1-50, Alloy 384 Only, Annealed	Stainless Steel	S38400
EC6	ASTM F 879M, Class A1-50, Alloy 18-9LW Only, Annealed	Stainless Steel	S30430
EC7	ASTM F 879M, Class A1-50, Alloy 302HQ (XM7) Only, Annealed	Stainless Steel	S30433
EC8	ASTM F 879M, Class A1-50, Alloy 316 Only, Annealed	Stainless Steel	S31600
EC9	ASTM F 879M, Class A1-50, Alloy 316L Only, Annealed	Stainless Steel	S31603

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 879M—Stainless Steel Socket Button and Flat Countersunk Head Cap Screws (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
ED0	ASTM F 879M, Class A1-70, Alloy 304 Only, Cold Worked	Stainless Steel	S30400
ED1	ASTM F 879M, Class A1-70, Alloy 304L Only, Cold Worked	Stainless Steel	S30403
ED2	ASTM F 879M, Class A1-70, Alloy 305 Only, Cold Worked	Stainless Steel	S30500
ED3	ASTM F 879M, Class A1-70, Alloy 384 Only, Cold Worked	Stainless Steel	S38400
ED4	ASTM F 879M, Class A1-70, Alloy 18-9LW Only, Cold Worked	Stainless Steel	S30430
ED5	ASTM F 879M, Class A1-70, Alloy 302HQ (XM7) Only, Cold Worked	Stainless Steel	S30433
ED6	ASTM F 879M, Class A1-70, Alloy 316 Only, Cold Worked	Stainless Steel	S31600
ED7	ASTM F 879M, Class A1-70, Alloy 316L Only, Cold Worked	Stainless Steel	S31603

ASTM F 880—Stainless Steel Socket-Set Screws

PIN	Material Spec	Material	UNS #
ED8	ASTM F 880, Alloy Group 1, Condition AF	Stainless Steel	—
ED9	ASTM F 880, Alloy Group 1, Condition CW	Stainless Steel	—
EE0	ASTM F 880, Alloy 303 Only, Condition AF	Stainless Steel	S30300
EE1	ASTM F 880, Alloy 303 Only, Condition CW	Stainless Steel	S30300
EE2	ASTM F 880, Alloy 303Se Only, Condition AF	Stainless Steel	S30323
EE3	ASTM F 880, Alloy 303Se Only, Condition CW	Stainless Steel	S30323
EE4	ASTM F 880, Alloy 304 Only, Condition AF	Stainless Steel	S30400
EE5	ASTM F 880, Alloy 304 Only, Condition CW	Stainless Steel	S30400
EE6	ASTM F 880, Alloy 304L Only, Condition AF	Stainless Steel	S30403
EE7	ASTM F 880, Alloy 304L Only, Condition CW	Stainless Steel	S30403
EE8	ASTM F 880, Alloy 305 Only, Condition AF	Stainless Steel	S30500
EE9	ASTM F 880, Alloy 305 Only, Condition CW	Stainless Steel	S30500
EF0	ASTM F 880, Alloy 384 Only, Condition AF	Stainless Steel	S38400
EF1	ASTM F 880, Alloy 384 Only, Condition CW	Stainless Steel	S38400
EF2	ASTM F 880, Alloy XM1 Only, Condition AF	Stainless Steel	S20300
EF3	ASTM F 880, Alloy XM1 Only, Condition CW	Stainless Steel	S20300
EF4	ASTM F 880, Alloy 18-9LW Only, Condition AF	Stainless Steel	S30430

ASTM F 880—Stainless Steel Socket-Set Screws

PIN	Material Spec	Material	UNS #
EF5	ASTM F 880, Alloy 18-9LW Only, Condition CW	Stainless Steel	S30430
EF6	ASTM F 880, Alloy 302HQ (XM7) Only, Condition AF	Stainless Steel	S30433
EF7	ASTM F 880, Alloy 302HQ (XM7) Only, Condition CW	Stainless Steel	S30433

ASTM F 880M—Stainless Steel Socket Set Screws (Metric)

PIN	Material Spec	Material	UNS #
EF8	ASTM F 880M, Class A1-50	Stainless Steel	—
EF9	ASTM F 880M, Class A1-70	Stainless Steel	—
EG0	ASTM F 880M, Class A1-50, Alloy 303 Only, Annealed	Stainless Steel	S30300

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Table 5-1 Material and Treatment: ASTM Material Specifications (Cont'd)

ASTM F 880M—Stainless Steel Socket Set Screws (Metric) (Cont'd)

PIN	Material Spec	Material	UNS #
EG1	ASTM F 880M, Class A1-50, Alloy 303Se Only, Annealed	Stainless Steel	S30323
EG2	ASTM F 880M, Class A1-50, Alloy 304 Only, Annealed	Stainless Steel	S30400
EG3	ASTM F 880M, Class A1-50, Alloy 304L Only, Annealed	Stainless Steel	S30403
EG4	ASTM F 880M, Class A1-50, Alloy 305 Only, Annealed	Stainless Steel	S30500
EG5	ASTM F 880M, Class A1-50, Alloy 384 Only, Annealed	Stainless Steel	S38400
EG6	ASTM F 880M, Class A1-50, Alloy XM1 Only, Annealed	Stainless Steel	S20300
EG7	ASTM F 880M, Class A1-50, Alloy 18-9LW Only, Annealed	Stainless Steel	S30430
EG8	ASTM F 880M, Class A1-50, Alloy 302HQ (XM7) Only, Annealed	Stainless Steel	S30430
EG9	ASTM F 880M, Class A1-70, Alloy 303 Only, Cold Worked	Stainless Steel	S30300
EH0	ASTM F 880M, Class A1-70, Alloy 303Se Only, Cold Worked	Stainless Steel	S30323
EH1	ASTM F 880M, Class A1-70, Alloy 304 Only, Cold Worked	Stainless Steel	S30400
EH2	ASTM F 880M, Class A1-70, Alloy 304L Only, Cold Worked	Stainless Steel	S30403
EH3	ASTM F 880M, Class A1-70, Alloy 305 Only, Cold Worked	Stainless Steel	S30500
EH4	ASTM F 880M, Class A1-70, Alloy 384 Only, Cold Worked	Stainless Steel	S38400
EH5	ASTM F 880M, Class A1-70, Alloy XM1 Only, Cold Worked	Stainless Steel	S20300
EH6	ASTM F 880M, Class A1-70, Alloy 18-9LW Only, Cold Worked	Stainless Steel	S30430
EH7	ASTM F 880M, Class A1-70, Alloy 302HQ (XM7) Only, Cold Worked	Stainless Steel	S30430

ASTM F 901—Aluminum Transmission Tower Bolts and Nuts

PIN	Material Spec	Material	UNS #
EH8	ASTM F 901, Alloy 2024	Aluminum 2024	A92024
EH9	ASTM F 901, Alloy 6061	Aluminum 6061	A96061
EJ0	ASTM F 901, Alloy 6262	Aluminum 6262	A96262

ASTM F 912—Alloy Steel Socket Set Screws

PIN	Material Spec	Material	UNS #
EJ1	ASTM F 912	Alloy Steel	—

ASTM F 912M—Alloy Steel Socket Set Screws (Metric)

PIN	Material Spec	Material	UNS #
EJ2	ASTM F 912M	Alloy Steel	—

ASTM F 959—Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners

PIN	Material Spec	Material	UNS #
EJ3	ASTM F 959, Type 325	Carbon Steel	—
EJ4	ASTM F 959, Type 490	Carbon Steel	—

ASTM F 959M—Compressible-Washer-Type Direct Tension Indicators for Use With Structural Fasteners (Metric)

PIN	Material Spec	Material	UNS #
EJ5	ASTM F 959M, Type 8.8	Carbon Steel	—
EJ6	ASTM F 959M, Type 10.9	Carbon Steel	—

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels

PIN	Material Spec	Material
GA1	1005, G10050	Carbon Steel
GA2	1006, G10060	Carbon Steel
GA3	1008, G10080	Carbon Steel
GA4	1009, G10090	Carbon Steel
GA5	1010, G10100	Carbon Steel
GA6	1011, G10110	Carbon Steel
GA7	1012, G10120	Carbon Steel
GA8	1013, G10130	Carbon Steel
GA9	1015, G10140	Carbon Steel
GB0	1016, G10160	Carbon Steel
GB1	1017, G10170	Carbon Steel
GB2	1018, G10180	Carbon Steel
GB3	1019, G10190	Carbon Steel
GB4	1020, G10200	Carbon Steel
GB5	1021, G10210	Carbon Steel
GB6	1022, G10220	Carbon Steel
GB7	1023, G10230	Carbon Steel
GB8	1025, G10250	Carbon Steel
GB9	1026, G10260	Carbon Steel
GC0	1029, G10290	Carbon Steel
GC1	1030, G10300	Carbon Steel
GC2	1033, G10330	Carbon Steel
GC3	1034, G10340	Carbon Steel
GC4	1035, G10350	Carbon Steel
GC5	1037, G10370	Carbon Steel
GC6	1038, G10380	Carbon Steel
GC7	1039, G10390	Carbon Steel
GC8	1040, G10400	Carbon Steel
GC9	1042, G10420	Carbon Steel
GD0	1043, G10430	Carbon Steel
GD1	1044, G10440	Carbon Steel
GD2	1045, G10450	Carbon Steel
GD3	1046, G10460	Carbon Steel
GD4	1049, G10490	Carbon Steel
GD5	1050, G10500	Carbon Steel
GD6	1053, G10530	Carbon Steel
GD7	1055, G10555	Carbon Steel
GD8	1059, G10590	Carbon Steel
GD9	1060, G10600	Carbon Steel

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels (Cont'd)

PIN	Material Spec	Material
GE0	1064, G10640	Carbon Steel
GE1	1065, G10650	Carbon Steel
GE2	1069, G10690	Carbon Steel
GE3	1070, G10700	Carbon Steel
GE4	1074, G10740	Carbon Steel
GE5	1075, G10750	Carbon Steel
GE6	1078, G10780	Carbon Steel
GE7	1080, G10800	Carbon Steel
GE8	1084, G10840	Carbon Steel
GE9	1085, G10850	Carbon Steel
GF0	1086, G10860	Carbon Steel
GF1	1090, G10900	Carbon Steel
GF2	1095, G10950	Carbon Steel
GF3	UNS G10080, -090, 10100, -110, -120, -130, -140, -160, -170, -180, or -190	Carbon Steel
GF4	UNS G10300, G10350, G10380, or G15410	Carbon Steel
GF5	UNS G10700, -740, -750, -780, 10800, -840, -850, -860, 10900, or 10950	Carbon Steel
GF6	UNS G10600, 640, -650, -690, 10700, -740, -750, -780, 10800, -840, -850, -860, or G10900	Carbon Steel
GF7	1108, G11080	Resulferized Carbon Steel
GF8	1109, G11090	Resulferized Carbon Steel
GF9	1110, G11100	Resulferized Carbon Steel
GG0	1113, G11160	Resulferized Carbon Steel
GG1	1117, G11170	Resulferized Carbon Steel
GG2	1118, G11180	Resulferized Carbon Steel
GG3	1119, G11190	Resulferized Carbon Steel
GG4	1123, G11230	Resulferized Carbon Steel
GG5	1132, G11320	Resulferized Carbon Steel
GG6	1137, G11370	Resulferized Carbon Steel
GG7	11374, G11374	Steel, Free Machining
GG8	1139, G11390	Resulferized Carbon Steel
GG9	1140, G11400	Resulferized Carbon Steel
GH0	1141, G11410	Resulferized Carbon Steel
GH1	1144, G11440	Resulferized Carbon Steel
GH2	1145, G11450	Resulferized Carbon Steel
GH3	1146, G11460	Resulferized Carbon Steel
GH4	1151, G11510	Resulferized Carbon Steel
GH5	1211, G12110	Rephosphorized and Resulferized Carbon Steel
GH6	1212, G12120	Rephosphorized and Resulferized Carbon Steel
GH7	1213, G12130	Rephosphorized and Resulferized Carbon Steel

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels (Cont'd)

PIN	Material Spec	Material
GH8	12L13, G12134	Rephosphorized, Resulferized, and Leaded Carbon Steel
GH9	12L14, G12144	Rephosphorized and Resulferized Carbon Steel
GJ0	1215, G12150	Rephosphorized and Resulferized Carbon Steel
GJ1	UNS G10140, G10200, G10220, G11170, or G11180	Carbon Steel
GJ2	UNS G10300, G10400, G10500, G10600, G10800, or G11440	Carbon Steel
GJ3	1513, G15130	Carbon Steel
GJ4	1518, G15180	Carbon Steel
GJ5	1522, G15220	Carbon Steel
GJ6	1524, G15240	Carbon Steel
GJ7	1525, G15250	Carbon Steel
GJ8	1526, G15260	Carbon Steel
GJ9	1527, G15270	Carbon Steel
GK0	1533, G15330	Carbon Steel
GK1	1534, G15340	Carbon Steel
GK2	1536, G15360	Carbon Steel
GK3	1541, G15410	Carbon Steel
GK4	1547, G15470	Carbon Steel
GK5	1548, G15480	Carbon Steel
GK6	1551, G15510	Carbon Steel
GK7	1552, G15520	Carbon Steel
GK8	1553, G15530	Carbon Steel
GK9	1561, G15610	Carbon Steel
GL0	1566, G15660	Carbon Steel
GL1	1570, G15700	Carbon Steel
GL2	1572, G15720	Carbon Steel
GL3	1580, G15800	Carbon Steel
GL4	1590, G15900	Carbon Steel
GL5	UNS G10060, G10080, or G10100	Carbon Steel
GL6	UNS G10120, G10140, G10170, or G10200	Carbon Steel
GL7	UNS G10160, G10180, G10210, G10220, or G10260	Carbon Steel
GL8	UNS G10230 or G10250	Carbon Steel
GL9	UNS G10290, G10300, G10350, G10370, G10380, or G10390	Carbon Steel
GM0	UNS G10555, G10600, G10700, G10800, G10840, or G10850	Carbon Steel
GM1	UNS G10780 or G10950	Carbon Steel
GM2	UNS G12110, G12120, or G12130	Carbon Steel
GM3	UNS G11080 or G11090	Carbon Steel
GM4	UNS G11160, G11170, G11180, or G11190	Carbon Steel
GM5	UNS G11400, G11450, or G11460	Carbon Steel
GM6	UNS G11374, G11410, or G11440	Carbon Steel

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels (Cont'd)

PIN	Material Spec	Material
GM7	Any UNS Carbon Steel	Carbon Steel
GN1	1330, G13300	Mn Alloy Steel
GN2	1335, G13350	Mn Alloy Steel
GN3	1340, G13400	Mn Alloy Steel
GN4	1345, G13450	Mn Alloy Steel
GN5	4012, G40120	Mo Alloy Steel
GN6	4023, G40230	Mo Alloy Steel
GN7	4024, G40240	Mo Alloy Steel
GN8	4027, G40270	Mo Alloy Steel
GN9	4028, G40280	Mo Alloy Steel
GP0	4032, G40320	Mo Alloy Steel
GP1	4037, G40370	Mo Alloy Steel
GP2	4042, G40420	Mo Alloy Steel
GP3	4047, G40470	Mo Alloy Steel
GP4	4113, G41180	Cr-Mo Alloy Steel
GP5	4130, G41300	Cr-Mo Alloy Steel
GP6	4135, G41350	Cr-Mo Alloy Steel
GP7	4137, G41370	Cr-Mo Alloy Steel
GP8	4140, G41400	Cr-Mo Alloy Steel
GP9	4142, G41420	Cr-Mo Alloy Steel
GQ0	4145, G41450	Cr-Mo Alloy Steel
GQ1	4147, G41470	Cr-Mo Alloy Steel
GQ2	4150, G41500	Cr-Mo Alloy Steel
GQ3	4161, G41610	Cr-Mo Alloy Steel
GQ4	4320, G43200	Ni-Cr-Mo Alloy Steel
GQ5	4340, G43400	Ni-Cr-Mo Alloy Steel
GQ6	E4340, G43406	Ni-Cr-Mo Alloy Steel
GQ7	4419, G44190	Mo Alloy Steel
GQ8	4422, G44220	Mo Alloy Steel
GQ9	4427, G44270	Mo Alloy Steel
GR0	4615, G46150	Ni-Mo Alloy Steel
GR1	4617, G46170	Ni-Mo Alloy Steel
GR2	4620, G46200	Ni-Mo Alloy Steel
GR3	4621, G46210	Ni-Mo Alloy Steel
GR4	4626, G46260	Ni-Mo Alloy Steel
GR5	4718, G47180	Ni-Cr-Mo Alloy Steel
GR6	4720, G47200	Ni-Cr-Mo Alloy Steel
GR7	4815, G48150	Ni-Mo Alloy Steel
GR8	4817, G48170	Ni-Mo Alloy Steel

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels (Cont'd)

PIN	Material Spec	Material
GR9	4820, G48200	Ni-Mo Alloy Steel
GS0	5015, G50150	Cr Alloy Steel
GS1	50B40, G50401	Cr-B Alloy Steel
GS2	50B44, G50441	Cr-B Alloy Steel
GS3	5046, G50460	Cr Alloy Steel
GS4	50B46, G50461	Cr-B Alloy Steel
GS5	50B50, G50501	Cr-B Alloy Steel
GS6	5060, G50600	Cr Alloy Steel
GS7	50B60, G50601	Cr-B Alloy Steel
GS8	5115, G51150	Cr Alloy Steel
GS9	5117, G51170	Cr Alloy Steel
GT0	5120, G51200	Cr Alloy Steel
GT1	5130, G51300	Cr Alloy Steel
GT2	5132, G51320	Cr Alloy Steel
GT3	5135, G51350	Cr Alloy Steel
GT4	5140, G51400	Cr Alloy Steel
GT5	5145, G51450	Cr Alloy Steel
GT6	5147, G51470	Cr Alloy Steel
GT7	5150, G51500	Cr Alloy Steel
GT8	5155, G51550	Cr Alloy Steel
GT9	5160, G51600	Cr Alloy Steel
GU0	51B60, G51601	Cr-B Alloy Steel
GU1	50100, G50986	Cr Alloy Steel
GU2	51100, G51986	Cr Alloy Steel
GU3	52100, G52986	Cr Alloy Steel
GU4	6118, G61180	Cr-V Alloy Steel
GU5	6150, G61500	Cr-V Alloy Steel
GU6	8115, G81150	Ni-Cr-Mo Alloy Steel
GU7	81B45, G81451	Ni-Cr-Mo-B Alloy Steel
GU8	8615, G86150	Ni-Cr-Mo Alloy Steel
GU9	8617, G86170	Ni-Cr-Mo Alloy Steel
GV0	8620, G86200	Ni-Cr-Mo Alloy Steel
GV1	8622, G86220	Ni-Cr-Mo Alloy Steel
GV2	8625, G86250	Ni-Cr-Mo Alloy Steel
GV3	8627, G86270	Ni-Cr-Mo Alloy Steel
GV4	8630, G86300	Ni-Cr-Mo Alloy Steel
GV5	8637, G86370	Ni-Cr-Mo Alloy Steel
GV6	8640, G86400	Ni-Cr-Mo Alloy Steel
GV7	8642, G86420	Ni-Cr-Mo Alloy Steel

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Table 5-2 Material and Treatment: UNS Carbon and Alloy Steels (Cont'd)

PIN	Material Spec	Material
GV8	8645, G86450	Ni-Cr-Mo Alloy Steel
GV9	86B45, G86451	Ni-Cr-Mo-B Alloy Steel
GW0	8650, G86500	Ni-Cr-Mo Alloy Steel
GW1	8655, G86550	Ni-Cr-Mo Alloy Steel
GW2	8660, G86600	Ni-Cr-Mo Alloy Steel
GW3	8720, G87200	Ni-Cr-Mo Alloy Steel
GW4	8740, G87400	Ni-Cr-Mo Alloy Steel
GW5	8822, G88220	Ni-Cr-Mo Alloy Steel
GW6	9254, G92540	Cr-Si Alloy Steel
GW7	9255, G92550	Si-Mn Alloy Steel
GW8	9260, G92600	Si-Mn Alloy Steel
GW9	9310, G93106	Ni-Cr-Mo Alloy Steel
GX0	94B15, G94151	Ni-Cr-Mo-B Alloy Steel
GX1	94B17, G94171	Ni-Cr-Mo-B Alloy Steel
GX2	94830, G94301	Ni-Cr-Mo-B Alloy Steel
GX3	6150H, H61500	Cr-V H-Alloy Steel
GX4	UNS G41300, G41400, G43400	Alloy Steel
GX5	UNS G41300, G43400, G86370, G86400	Alloy Steel
GX6	UNS G41300, G43400, G86370, G86400, G87400	Alloy Steel
GX7	B21, K14073	Alloy Steel
GX8	B24, K24064	Alloy Steel
GX9	B24V, K24070	Alloy Steel
GY0	Any Alloy Steel	Alloy Steel

Table 5-3 Material and Treatment: UNS Heat and Corrosion Resisting Steel

PIN	Material Spec	Material
SA1	201, S20100, Annealed	Austenitic Cr-Mn-Ni Stainless Steel
SA2	201, S20100, Cold Worked	Austenitic Cr-Mn-Ni Stainless Steel
SA3	202, S20200, Annealed	Austenitic Cr-Mn-Ni Stainless Steel
SA4	202, S20200, Cold Worked	Austenitic Cr-Mn-Ni Stainless Steel
SA5	203, S20300, Annealed	Austenitic Cr-Mn-Ni-Cu Free Machining Stainless Steel (203 EZ)
SA6	203, S20300, Cold Worked	Austenitic Cr-Mn-Ni-Cu Free Machining Stainless Steel (203 EZ)
SA7	301, S30100, Annealed	Austenitic Cr-Ni Stainless Steel
SA8	301, S30100, Cold Worked	Austenitic Cr-Ni Stainless Steel
SA9	302, S30200, Annealed	Austenitic Cr-Ni Stainless Steel
SB0	302, S30200, Cold Worked	Austenitic Cr-Ni Stainless Steel
SB1	302B, S30215, Annealed	Austenitic Cr-Ni Stainless Steel
SB2	302B, S30215, Cold Worked	Austenitic Cr-Ni Stainless Steel

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Table 5-3 Material and Treatment: UNS Heat and Corrosion Resisting Steel (Cont'd)

PIN	Material Spec	Material
SB3	303, S30300, Annealed	Free Machining Austenitic Cr-Ni Stainless Steel
SB4	303, S30300, Cold Worked	Free Machining Austenitic Cr-Ni Stainless Steel
SB5	303Se, S30323, Annealed	Free Machining Austenitic Cr-Ni Stainless Steel (Se Bearing)
SB6	303Se, S30323, Cold Worked	Free Machining Austenitic Cr-Ni Stainless Steel (Se Bearing)
SB7	304, S30400, Annealed	Austenitic Cr-Ni Stainless Steel
SB8	304, S30400, Cold Worked	Austenitic Cr-Ni Stainless Steel
SB9	304H, S30409, Annealed	Austenitic Cr-Ni Stainless Steel, High Carbon (304 H)
SC0	304H, S30409, Cold Worked	Austenitic Cr-Ni Stainless Steel, High Carbon (304 H)
SC1	304L, S30403, Annealed	Austenitic Cr-Ni Stainless Steel (Low Carbon)
SC2	304L, S30403, Cold Worked	Austenitic Cr-Ni Stainless Steel (Low Carbon)
SC3	304LN, S30453, Annealed	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (304 LN)
SC4	304LN, S30453, Cold Worked	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (304 LN)
SC5	30430, S30430, Annealed	Austenitic Cr-Ni-Cu Low Work Hardening Stainless Steel (18-9-LW)
SC6	30430, S30430, Cold Worked	Austenitic Cr-Ni-Cu Low Work Hardening Stainless Steel (18-9-LW)
SC7	304N, S30451, Annealed	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (304 N)
SC8	304N, S30451, Cold Worked	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (304 N)
SC9	305, S30500, Annealed	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (Low Work Hardening)
SD0	305, S30500, Cold Worked	Austenitic Nitrogen Bearing Cr-Ni Stainless Steel (Low Work Hardening)
SD1	308, S30800, Annealed	Austenitic Cr-Ni Heat Resisting Steel
SD2	308, S30800, Cold Worked	Austenitic Cr-Ni Heat Resisting Steel
SD3	309, S30900, Annealed	Austenitic Cr-Ni Heat Resisting Steel
SD4	309, S30900, Cold Worked	Austenitic Cr-Ni Heat Resisting Steel
SD5	309S, S30908, Annealed	Austenitic Cr-Ni Heat Resisting Stainless Steel (309 S)
SD6	309S, S30908, Cold Worked	Austenitic Cr-Ni Heat Resisting Stainless Steel (309 S)
SD7	310, S31000, Annealed	Austenitic Cr-Ni Heat Resisting Steel
SD8	310, S31000, Cold Worked	Austenitic Cr-Ni Heat Resisting Steel
SD9	310S, S31008, Annealed	Austenitic Cr-Ni Heat Resisting Steel (310 S)
SE0	310S, S31008, Cold Worked	Austenitic Cr-Ni Heat Resisting Steel (310 S)
SE1	314, S31400, Annealed	Austenitic Cr-Ni Heat Resisting Steel
SE2	314, S31400, Cold Worked	Austenitic Cr-Ni Heat Resisting Steel
SE3	316, S31600, Annealed	Austenitic Cr-Ni-Mo Stainless Steel
SE4	316, S31600, Cold Worked	Austenitic Cr-Ni-Mo Stainless Steel
SE5	316F, S31620, Annealed	Austenitic Cr-Ni-Mo Free Machining Stainless Steel
SE6	316F, S31620, Cold Worked	Austenitic Cr-Ni-Mo Free Machining Stainless Steel
SE7	316H, S31609, Annealed	Austenitic Cr-Ni-Mo Stainless Steel (High Carbon)
SE8	316H, S31609, Cold Worked	Austenitic Cr-Ni-Mo Stainless Steel (High Carbon)
SE9	316L, S31603, Annealed	Austenitic Cr-Ni-Mo Stainless Steel (Low Carbon)
SF0	316L, S31603, Cold Worked	Austenitic Cr-Ni-Mo Stainless Steel (Low Carbon)
SF1	316N, S31651, Annealed	Austenitic Nitrogen Bearing Cr-Ni-Mo Stainless Steel (316 N)

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Table 5-3 Material and Treatment: UNS Heat and Corrosion Resisting Steel (Cont'd)

PIN	Material Spec	Material
SF2	316N, S31651, Cold Worked	Austenitic Nitrogen Bearing Cr-Ni-Mo Stainless Steel (316 N)
SF3	316LN, S31653, Annealed	Austenitic Nitrogen Bearing Cr-Ni-Mo Stainless Steel (316LN)
SF4	316LN, S31653, Cold Worked	Austenitic Nitrogen Bearing Cr-Ni-Mo Stainless Steel (316LN)
SF5	317, S31700, Annealed	Austenitic Cr-Ni-Mo Stainless Steel
SF6	317, S31700, Cold Worked	Austenitic Cr-Ni-Mo Stainless Steel
SF7	317L, S31703, Annealed	Austenitic Cr-Ni-Mo Stainless Steel (Low Carbon)
SF8	317L, S31703, Cold Worked	Austenitic Cr-Ni-Mo Stainless Steel (Low Carbon)
SF9	321, S32100, Annealed	Austenitic Cr-Ni Stainless Steel (Titanium Stabilized)
SG0	321, S32100, Cold Worked	Austenitic Cr-Ni Stainless Steel (Titanium Stabilized)
SG1	321H, S32109, Annealed	Austenitic Cr-Ni Stainless Steel (Titanium Stabilized), High Carbon (321H)
SG2	321H, S32109, Cold Worked	Austenitic Cr-Ni Stainless Steel (Titanium Stabilized), High Carbon (321H)
SG3	329, S32900, Annealed	Ferritic-Austenitic Cr-Ni Stainless Steel
SG4	329, S32900, Cold Worked	Ferritic-Austenitic Cr-Ni Stainless Steel
SG5	347, S34700, Annealed	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized)
SG6	347, S34700, Cold Worked	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized)
SG7	347H, S34709, Annealed	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized), High Carbon (347-H)
SG8	347H, S34709, Cold Worked	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized), High Carbon (347-H)
SG9	348, S34800, Annealed	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized) (Ta and Co Restricted)
SH0	348, S34800, Cold Worked	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized) (Ta and Co Restricted)
SH1	348H, S34809, Annealed	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized), High Carbon (Ta and Co Restricted) (348-H)
SH2	348H, S34809, Cold Worked	Austenitic Cr-Ni Stainless Steel (Columbium Stabilized), High Carbon (Ta and Co Restricted) (348-H)
SH3	384, S38400, Annealed	Austenitic Cr-Ni Stainless Steel (Low Work Hardening)
SH4	384, S38400, Cold Worked	Austenitic Cr-Ni Stainless Steel (Low Work Hardening)
SH5	UNS S20100, S20200, or S20500, Annealed	Stainless Steel
SH6	UNS S20100, S20200, or S20500, Cold Worked	Stainless Steel
SH7	Any Austenitic Stainless Steel, Annealed	Stainless Steel
SH8	Any Austenitic Stainless Steel, Cold Worked	Stainless Steel
SH9	405, S40500, Annealed	Cr Stainless Steel (Not Hardenable by Heat Treatment)
SJ0	405, S40500, Cold Worked	Cr Stainless Steel (Not Hardenable by Heat Treatment)
SJ1	409, S40900, Annealed	Ferritic Cr Stainless Steel
SJ2	409, S40900, Cold Worked	Ferritic Cr Stainless Steel
SJ3	429, S42900, Annealed	Cr Stainless Steel
SJ4	429, S42900, Cold Worked	Cr Stainless Steel
SJ5	430, S43000, Annealed	Cr Stainless Steel

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Table 5-3 Material and Treatment: UNS Heat and Corrosion Resisting Steel (Cont'd)

PIN	Material Spec	Material
SJ6	430, S43000, Cold Worked	Cr Stainless Steel
SJ7	430F, S43020, Annealed	Free Machining Cr Stainless Steel (S Bearing)
SJ8	430F, S43020, Cold Worked	Free Machining Cr Stainless Steel (S Bearing)
SJ9	430Fse, S43023, Annealed	Free Machining Cr Stainless Steel (Se Bearing)
SK0	430Fse, S43023, Cold Worked	Free Machining Cr Stainless Steel (Se Bearing)
SK1	434, S43400, Annealed	Cr-Mo Stainless Steel
SK2	434, S43400, Cold Worked	Cr-Mo Stainless Steel
SK3	436, S43600, Annealed	Cr-Mo Stainless Steel
SK4	436, S43600, Cold Worked	Cr-Mo Stainless Steel
SK5	442, S44200, Annealed	Cr Heat Resisting Steel
SK6	442, S44200, Cold Worked	Cr Heat Resisting Steel
SK7	444, S44400, Annealed	Cr-Mo Stainless Steel (Stabilized Low-Inerstitial Ferritic)
SK8	444, S44400, Cold Worked	Cr-Mo Stainless Steel (Stabilized Low-Inerstitial Ferritic)
SK9	446, S44600, Annealed	Cr Heat Resisting Steel
SL0	446, S44600, Cold Worked	Cr Heat Resisting Steel
SL1	UNS S40500, 900, 42900, 43000, -020, -023, 43400, -600, 44200, -400 (Ferritic S.S.), Annealed	Stainless Steel
SL2	UNS S40500, 900, 42900, 43000, -020, -023, 43400, -600, 44200, -400 (Ferritic S.S.), Cold Worked	Stainless Steel
SL3	403, S40300, Annealed	Cr Stainless Steel (Hardenable by Heat Treatment)
SL4	403, S40300, Quenched and Tempered	Cr Stainless Steel (Hardenable by Heat Treatment)
SL5	410, S41000, Annealed	Cr Stainless Steel (Hardenable by Heat Treatment)
SL6	410, S41000, Quenched and Tempered	Cr Stainless Steel (Hardenable by Heat Treatment)
SL7	414, S41400, Annealed	Cr Stainless Steel With Low Nickel Content
SL8	414, S41400, Quenched and Tempered	Cr Stainless Steel With Low Nickel Content
SL9	416, S41600, Annealed	Cr Stainless Steel (Free Machining)
SM0	416, S41600, Quenched and Tempered	Cr Stainless Steel (Free Machining)
SM1	416Se, S41623, Annealed	Martensitic Cr Free Machining Stainless Steel (Se Bearing)
SM2	416Se, S41623, Quenched and Tempered	Martensitic Cr Free Machining Stainless Steel (Se Bearing)
SM3	420, S42000, Annealed	Hardenable Cr Stainless Steel
SM4	420, S42000, Quenched and Tempered	Hardenable Cr Stainless Steel
SM5	420F, S42020, Annealed	Hardenable Cr Free Machining Stainless Steel
SM6	420F, S42020, Quenched and Tempered	Hardenable Cr Free Machining Stainless Steel
SM7	422, S42200, Annealed	Martensitic Cr Stainless Steel
SM8	422, S42200, Quenched and Tempered	Martensitic Cr Stainless Steel
SM9	431, S43100, Annealed	Ni Bearing Hardenable Cr Stainless Steel
SN0	431, S43100, Quenched and Tempered	Ni Bearing Hardenable Cr Stainless Steel
SN1	440A, S44002, Annealed	Hardenable Cr Stainless Steel (440 A)
SN2	440A, S44002, Quenched and Tempered	Hardenable Cr Stainless Steel (440 A)
SN3	440B, S44003, Annealed	Hardenable Cr Stainless Steel (440 B)

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Table 5-3 Material and Treatment: UNS Heat and Corrosion Resisting Steel (Cont'd)

PIN	Material Spec	Material
SN4	440B, S44003, Quenched and Tempered	Hardenable Cr Stainless Steel (440 B)
SN5	440C, S44004, Annealed	Hardenable Cr Stainless Steel (440 C)
SN6	440C, S44004, Quenched and Tempered	Hardenable Cr Stainless Steel (440 C)
SN7	501, S50100, Annealed	Cr Heat Resisting Steel
SN8	501, S50100, Quenched and Tempered	Cr Heat Resisting Steel
SN9	501A, S50300, Annealed	Cr Heat Resisting Steel
SP0	501A, S50300, Quenched and Tempered	Cr Heat Resisting Steel
SP1	501B, S50400, Annealed	Cr Heat Resisting Steel
SP2	501B, S50400, Quenched and Tempered	Cr Heat Resisting Steel
SP3	502, S50200, Annealed	Cr Heat Resisting Steel
SP4	502, S50200, Quenched and Tempered	Cr Heat Resisting Steel
SP5	503, S50300, Annealed	Cr Heat Resisting Steel
SP6	503, S50300, Quenched and Tempered	Cr Heat Resisting Steel
SP7	504, S50400, Annealed	Cr Heat Resisting Steel
SP8	504, S50400, Quenched and Tempered	Cr Heat Resisting Steel
SP9	UNS S40300, 41000,-400,-600,-623,42000,-020,-200, 43100,44002,-003,-004 (Martensitic S.S.), Annealed	Stainless Steel
SQ0	UNS S40300, 41000,-400,-600,-623,42000,-020,-200, 43100,44002,-003,-004 (Martensitic S.S.), Quenched and Tempered	Stainless Steel
SQ1	A286, S66286, Solution Treated and Aged, S15700	Iron Base Superalloy (A286)
SQ2	15-7PH, Annealed, UNS S15700	Precipitation Hardenable Cr-Ni-Mo-Al Stainless Steel (PH 15-7 Mo)
SQ3	15-7PH, Solution Treated and Aged, S15700	Precipitation Hardenable Cr-Ni-Mo-Al Stainless Steel (PH 15-7 Mo)
SQ4	14-8PH, Annealed, S14800	Precipitation Hardenable Cr-Ni-Mo-Al Stainless Steel (PH 14-8 Mo)
SQ5	14-8PH, Solution Treated and Aged, S14800	Precipitation Hardenable Cr-Ni-Mo-Al Stainless Steel (PH 14-8 Mo)
SQ6	PH-13-8MO, Annealed, S13800	Precipitation Hardenable Cr-Ni-AL-Mo Stainless Steel (PH 13-8 Mo)
SQ7	PH-13-8MO, Solution Treated and Aged, S13800	Precipitation Hardenable Cr-Ni-AL-Mo Stainless Steel (PH 13-8 Mo)
SQ8	15-5PH, Annealed, S15500	Precipitation Hardenable Cr-Ni-Cu Stainless Steel (15-5 PH)
SQ9	15-5PH, Solution Treated and Aged, S15500	Precipitation Hardenable Cr-Ni-Cu Stainless Steel (15-5 PH)
SR0	17-4PH, Annealed, S17400	Precipitation Hardenable Cr-Ni-Cu Stainless Steel (17-4 PH)
SR1	17-4PH, Solution Treated and Aged, S17400	Precipitation Hardenable Cr-Ni-Cu Stainless Steel (17-4 PH)
SR2	17-7PH, Annealed, S17700	Precipitation Hardenable Cr-Ni-Al Stainless Steel (17-7 PH)
SR3	17-7PH, Solution Treated and Aged, S17700	Precipitation Hardenable Cr-Ni-Al Stainless Steel (17-7 PH)
SR4	UNS S15700, 14800, 13800, 15500, 17400, 17700 (Precipitation Hardening), Annealed	Stainless Steel
SR5	UNS S15700, 14800, 13800, 15500, 17400, 17700 (Precipitation Hardening), Solution Treated and Aged	Stainless Steel

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Table 5-4 Material and Treatment: UNS Nonferrous Materials

PIN	Material Spec	Material
UA1	462, C46200	Naval Brass, 63-1/2%
UA2	360, C36000	Free Cutting Brass
UA3	2024, A92024	Wrought Aluminum Alloy, Heat Treatable
UA4	6061-T73, A96061	Wrought Aluminum Alloy, Heat Treatable
UA5	7075-T73, A97075	Wrought Aluminum Alloy, Heat Treatable
UA6	UNS A92024, A96061, or A97075	Wrought Aluminum Alloy, Heat Treatable
UA7	110, C11000	Copper, Electrolytic Tough Pitch Copper (ETP)
UA8	145, C14500	Phosphorous Deoxidized Copper
UA9	147, C14700	Sulfer Bearing Copper
UB0	UNS C11000, C14500, or C14700	Copper
UB1	210, C21000	Gilding, 95% (Copper/Zinc)
UB2	220, C22000	Commercial Bronze, 90%
UB3	230, C23000	Red Brass, 85%
UB4	240, C24000	Low Brass, 80%
UB5	260, C26000	Cartridge Brass, 70%
UB6	268, C26800	Yellow Brass, 66%
UB7	270, C27000	Yellow Brass, 65%
UB8	272, C27200	Brass
UB9	274, C27400	Yellow Brass, 63%
UC0	UNS C21000, 22000, 23000, 24000, 26000, 26800, 27000, 27200, or 27400	Brass
UC1	335, C33500	Low Leaded Brass
UC2	340, C34000	Medium Leaded Brass, 64.5%
UC3	342, C34200	High Leaded Brass, 64.5%
UC4	350, C35000	Medium Leaded Brass, 62%
UC5	3534, C35340	Leaded Brass
UC6	356, C35600	Leaded Brass Alloy
UC7	UNS C33500, 34000, 34200, 35000, 35340, or 35600	Brass
UC8	360, C36000	Free Cutting Brass
UC9	365, C36500	Leaded Muntz Metal, Uninhibited (Cu-Zn-Pb)
UD0	377, C37700	Forging Brass
UD1	464, C46400	Naval Brass, Uninhibited
UD2	464, C46400	Naval Brass, Uninhibited
UD3	482, C48200	Naval Brass, Medium Leaded
UD4	482, C48200	Naval Brass, Medium Leaded
UD5	485, C48500	Naval Brass, High Leaded
UD6	510, C51000	Phosphor Bronze, 5% A
UD7	521, C52100	Phosphor Bronze, 8%
UD8	524, C52400	Phosphor Bronze, 10%

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Table 5-4 Material and Treatment: UNS Nonferrous Materials (Cont'd)

PIN	Material Spec	Material
UD9	UNS C5100, C52100, or C52400	Phosphor Bronze
UE0	613, C61300	Aluminum Bronze
UE1	614, C61400	Aluminum Bronze D
UE2	619, C61900	Aluminum Bronze
UE3	623, C62300	Aluminum Bronze
UE4	630, C63000	Aluminum Bronze
UE5	630, C63000	Aluminum Bronze
UE6	632, C63200	Aluminum Bronze
UE7	642, C64200	Aluminum Bronze
UE8	644, C64200	Aluminum Bronze
UE9	6421, C64210	Aluminum Silicon Bronze
UF0	651, C65100	Low Silicon Bronze B
UF1	655, C65500	High Silicon Bronze A
UF2	661, C66100	Silicon Bronze
UF3	675, C67500	Manganese Bronze A
UF4	710, C71000	Copper-Nickel, 20%
UF5	UNS C11000, 27000, 36000, 46200, -400, 48200, 51000, 61300, -400, 63000, -200, 64200, 65100, 65500, 66100, 67500, 71000	Brass/Bronze/Copper-Nickel Alloy
UF6	715, C71500	Copper-Nickel, 30%
UF7	745, C74500	Nickel Silver, 65-10
UF8	752, C75200	Nickel Silver, 65-18
UF9	757, C75700	Nickel Silver, 65-12
UG0	764, C76400	Nickel Silver
UG1	770, C77000	Nickel Silver, 55-18
UG2	774, C77400	Nickel Silver
UG3	UNS C36500, 37700, 46400, 48200, 48500, 61900, 62300, 63000, 63200, 64200, 64210, 65500, or 77400	Brass/Bronze
UG4	792, C79200	Leaded Nickel Silver
UG5	UNS C71200, 71000, 74500, 75200, 75700, 76400, 77000, or 79200	Leaded Nickel Silver
UG6	Ni400HF, N04400	Ni-Cu Alloy Solid Solution Strengthened (Monel 400)
UG7	R405, N04405	Ni-Cu Alloy Solid Solution Strengthened (Monel R405)
UG8	K5000, N05500	Ni-Cu Alloy Precipitation Hardenable (Monel K500)
UG9	N10001	Ni-Mo Alloy Solid Solution Strengthened (Hastelloy C)
UH0	C276, N10276	Ni-Mo Alloy Solid Solution Strengthened (Hastelloy C276)
UH1	R50250	Titanium, Unalloyed
UH2	R50400	Titanium, Unalloyed
UH3	R50550	Titanium, Unalloyed

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Table 5-4 Material and Treatment: UNS Nonferrous Materials (Cont'd)

PIN	Material Spec	Material
UH4	R50700	Titanium, Unalloyed
UH5	R52400	Titanium, Unalloyed
UH6	R54520	Titanium Alloy
UH7	R54521	Titanium Alloy
UH8	R54560	Titanium Alloy
UH9	R54620	Titanium Alloy
UJ0	R54810	Titanium Alloy
UJ1	R56080	Titanium Alloy
UJ2	R56210	Titanium Alloy
UJ3	R56260	Titanium Alloy
UJ4	R56320	Titanium Alloy
UJ5	R56400	Titanium Alloy
UJ6	R56401	Titanium Alloy 6AI-4V ELI
UJ7	R56402	Titanium Alloy Welding Filler Metal
UJ8	R56430	Titanium Alloy
UJ9	R56620	Titanium Alloy
UK0	R58010	Titanium Alloy
UK1	R58030	Titanium Alloy
UK2	R58640	Titanium Alloy Beta C (Grade 19)
UK3	R58820	Titanium Alloy
UK4	UNS R50250,400,550,700,52400,54520-1,560,620,810,56080,210,260,320,400-2,430,620,58010,030,640,820	Titanium Alloy

Table 5-5 Material and Treatment: SAE Material Specifications

PIN	Material Spec	Material
WA1	SAE J 429—Grade 2	Carbon Steel
WA2	SAE J 429—Grade 5	Carbon Steel
WA3	SAE J 429—Grade 5.1	Carbon Steel
WA4	SAE J 429—Grade 5.2	Carbon Steel
WA5	SAE J 429—Grade 7	Carbon Steel
WA6	SAE J 429—Grade 8	Carbon Steel
WA7	SAE J 429—Grade 8.2	Carbon Steel
WA8	SAE J 995—Grade 2	Carbon Steel
WA9	SAE J 995—Grade 5	Carbon Steel
WB0	SAE J 995—Grade 8	Carbon Steel
WB1	SAE J 1199 Property Class 4.6	Carbon Steel
WB2	SAE J 1199 Property Class 4.8	Carbon Steel

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Table 5-5 Material and Treatment: SAE Material Specifications (Cont'd)

PIN	Material Spec	Material
WB3	SAE J 1199 Property Class 5.8	Carbon Steel
WB4	SAE J 1199 Property Class 8.8	Carbon Steel
WB5	SAE J 1199 Property Class 9	Carbon Steel
WB6	SAE J 1199 Property Class 9.8	Carbon Steel
WB7	SAE J 1199 Property Class 9l8	Carbon Steel
WB8	SAE J 1199 Property Class 10	Carbon Steel
WB9	SAE J 1199 Property Class 10.9	Carbon Steel
WC0	SAE J 1199 Property Class 10l9	Carbon Steel

Table 5-6 Material and Treatment: ISO Material Specifications

PIN	Material Spec	Material
WC1	ISO 898-1 Property Class 8.8	Carbon Steel
WC2	ISO 898-1 Property Class 10.9	Carbon Steel

Table 5-7 Material and Treatment: IFI Material Specifications

PIN	Material Spec	Material
WD1	IFI 140, Grade 1006	Carbon Steel
WD2	IFI 140, Grade 1008	Carbon Steel
WD3	IFI 140, Grade 1010	Carbon Steel
WD4	IFI 140, Grade 1018	Carbon Steel
WD5	IFI 140, Grade 1022/A	Carbon Steel
WD6	IFI 140, Grade 1022/B	Carbon Steel
WD7	IFI 140, Grade 1033	Carbon Steel
WD8	IFI 140, Grade 1035	Carbon Steel
WD9	IFI 140, Grade 1038	Carbon Steel
WE0	IFI 140, Grade 10B21	Carbon Steel
WE1	IFI 140, Grade 10B38	Carbon Steel
WE2	IFI 140, Grade 1335	Alloy Steel
WE3	IFI 140, Grade 1541/A	Carbon Steel
WE4	IFI 140, Grade 1541/B	Carbon Steel
WE5	IFI 140, Grade 4037	Alloy Steel
WE6	IFI 140, Grade 4042	Alloy Steel
WE7	IFI 140, Grade 4118	Alloy Steel
WE8	IFI 140, Grade 4140	Alloy Steel
WF0	IFI 140, Grade 8637	Alloy Steel
WF9	IFI 140, Grade 5140	Alloy Steel

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Table 6-1 Plating, Coating, and Passivation: Plain, Unfinished

Plain, No Finish—

PIN	Finish Spec	Finish
A1	Plain, No Finish	None

Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications

ASTM A 153—Zinc Coating (Hot-Dip) on Iron and Steel Hardware

PIN	Finish Spec	Finish
A2	ASTM A 153	Zinc Plate

ASTM A 380—Cleaning, Descaling, and Passivation of Stainless Steel Parts

PIN	Finish Spec	Finish
A3	ASTM A 380	Passivate

ASTM B 633—Elecrodeposited Coatings of Zinc on Iron and Steel

PIN	Finish Spec	Finish
A4	ASTM B 633, Type I, SC 1	Zinc Plate
A5	ASTM B 633, Type I, SC 2	Zinc Plate
A6	ASTM B 633, Type I, SC 3	Zinc Plate
A7	ASTM B 633, Type I, SC 4	Zinc Plate
A8	ASTM B 633, Type II, SC 1	Zinc Plate
A9	ASTM B 633, Type II, SC 2	Zinc Plate
AA	ASTM B 633, Type II, SC 3	Zinc Plate
AB	ASTM B 633, Type II, SC 4	Zinc Plate
AC	ASTM B 633, Type III, SC 1	Zinc Plate
AD	ASTM B 633, Type III, SC 2	Zinc Plate
AE	ASTM B 633, Type III, SC 3	Zinc Plate
AF	ASTM B 633, Type III, SC 4	Zinc Plate
AG	ASTM B 633, Type IV, SC 1	Zinc Plate
AH	ASTM B 633, Type IV, SC 2	Zinc Plate
AJ	ASTM B 633, Type IV, SC 3	Zinc Plate
AK	ASTM B 633, Type IV, SC 4	Zinc Plate

ASTM B 695—Coatings of Zinc Mechanically Deposited on Iron and Steel

PIN	Finish Spec	Finish
AL	ASTM B 695, Type I, Class 5	Zinc Plate
AM	ASTM B 695, Type I, Class 8	Zinc Plate
AN	ASTM B 695, Type I, Class 12	Zinc Plate
AP	ASTM B 695, Type I, Class 25	Zinc Plate
AQ	ASTM B 695, Type I, Class 40	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM B 695—Coatings of Zinc Mechanically Deposited on Iron and Steel

PIN	Finish Spec	Finish
AR	ASTM B 695, Type I, Class 50	Zinc Plate
AS	ASTM B 695, Type II, Class 5	Zinc Plate
AT	ASTM B 695, Type II, Class 8	Zinc Plate
AU	ASTM B 695, Type II, Class 12	Zinc Plate
AV	ASTM B 695, Type II, Class 25	Zinc Plate
AW	ASTM B 695, Type II, Class 40	Zinc Plate
AX	ASTM B 695, Type II, Class 50	Zinc Plate

ASTM B 696—Coatings of Cadmium Mechanically Deposited

PIN	Finish Spec	Finish
AY	ASTM B 696, Type I, Class 5	Cadmium Plate
AZ	ASTM B 696, Type I, Class 8	Cadmium Plate
B0	ASTM B 696, Type I, Class 12	Cadmium Plate
B1	ASTM B 696, Type II, Class 5	Cadmium Plate
B2	ASTM B 696, Type II, Class 8	Cadmium Plate
B3	ASTM B 696, Type II, Class 12	Cadmium Plate

ASTM B 766—Electrodeposited Coatings of Cadmium

PIN	Finish Spec	Finish
B4	ASTM B 766, Type I, Class 5	Cadmium Plate
B5	ASTM B 766, Type I, Class 8	Cadmium Plate
B6	ASTM B 766, Type I, Class 12	Cadmium Plate
B7	ASTM B 766, Type I, Class 25	Cadmium Plate
B8	ASTM B 766, Type II, Class 5	Cadmium Plate
B9	ASTM B 766, Type II, Class 8	Cadmium Plate
BA	ASTM B 766, Type II, Class 12	Cadmium Plate
BB	ASTM B 766, Type II, Class 25	Cadmium Plate
BC	ASTM B 766, Type III, Class 5	Cadmium Plate
BD	ASTM B 766, Type III, Class 8	Cadmium Plate
BE	ASTM B 766, Type III, Class 12	Cadmium Plate
BF	ASTM B 766, Type III, Class 25	Cadmium Plate

ASTM F 871 M—Electrodeposited Coatings on Threaded Components (Metric)

PIN	Finish Spec	Finish
BG	ASTM F 871M, A 165 SC 1	Cadmium Plate
BH	ASTM F 871 M, A 165 SC 2	Zinc Plate
BJ	ASTM F 871 M, A 165 SC 3	Zinc Plate
BK	ASTM F 871 M, N633 SC 0	Zinc Plate
BL	ASTM F 871 M, N633 SC 1	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 871 M—Electrodeposited Coatings on Threaded Components (Metric) **(Cont'd)**

PIN	Finish Spec	Finish
BM	ASTM F 871 M, N633 SC 2	Zinc Plate
BN	ASTM F 871 M, N633 SC 3	Zinc Plate
BP	ASTM F 871 M, N633 SC 4	Zinc Plate
BQ	ASTM F 871 M, B456 SC 1	Zinc Plate
BR	ASTM F 871 M, B456 SC 2	Zinc Plate
BS	ASTM F 871 M, B456 SC 3	Zinc Plate
BT	ASTM F 871 M, B456 SC 4	Zinc Plate

ASTM A 967—Chemical Passivation Treatments for Stainless Steel Parts

PIN	Finish Spec	Finish
BU	ASTM A 967, Citric 1	Passivate
BV	ASTM A 967, Citric 2	Passivate
BW	ASTM A 967, Citric 3	Passivate
BX	ASTM A 967, Citric 4	Passivate
BY	ASTM A 967, Nitric 1	Passivate
BZ	ASTM A 967, Nitric 2	Passivate
C0	ASTM A 967, Nitric 3	Passivate
C1	ASTM A 967, Nitric 4	Passivate
C2	ASTM A 967, Nitric 5	Passivate

ASTM F 1135—Cadmium or Zinc Chromate Organic Corrosion Protective Coating for Fasteners

PIN	Finish Spec	Finish
C3	ASTM F 1135, Grade 1, Code A	Zinc Plate
C4	ASTM F 1135, Grade 1, Code B	Zinc Plate
C5	ASTM F 1135, Grade 2, Code A	Zinc Plate
C6	ASTM F 1135, Grade 2, Code B	Zinc Plate
C7	ASTM F 1135, Grade 3, Code A	Zinc Plate
C8	ASTM F 1135, Grade 3, Code B	Zinc Plate
C9	ASTM F 1135, Grade 4, Code A	Zinc Plate
CA	ASTM F 1135, Grade 4, Code B	Zinc Plate
CB	ASTM F 1135, Grade 5, Code A	Cadmium Plate
CC	ASTM F 1135, Grade 5, Code B	Cadmium Plate
CD	ASTM F 1135, Grade 6, Code A	Cadmium Plate
CE	ASTM F 1135, Grade 6, Code B	Cadmium Plate
CF	ASTM F 1135, Grade 7, Code A	Cadmium Plate
CG	ASTM F 1135, Grade 7, Code B	Cadmium Plate
CH	ASTM F 1135, Grade 8, Code A	Cadmium Plate
CJ	ASTM F 1135, Grade 8, Code B	Cadmium Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications

ASTM F 1136—Chromium/Zinc Corrosion Protective Coatings for Fasteners

PIN	Finish Spec	Finish
CK	ASTM F 1136, Grade 1	Chromium/Zinc Coating
CL	ASTM F 1136, Grade 2	Chromium/Zinc Coating
CM	ASTM F 1136, Grade 3	Chromium/Zinc Coating

ASTM F 1137—Phosphate Oil/Oil and Phoshate/Organic Corrosive Protective Coatings for Fasteners

PIN	Finish Spec	Finish
CN	ASTM F 1137, Grade I	Zinc Phosphate Coating
CP	ASTM F 1137, Grade II	Zinc Phosphate Coating
CQ	ASTM F 1137, Grade III	Zinc Phosphate Coating
CR	ASTM F 1137, Grade A	Zinc Phosphate Coating
CS	ASTM F 1137, Grade B	Zinc Phosphate Coating
CT	ASTM F 1137, Grade C	Zinc Phosphate Coating
CU	ASTM F 1137, Grade D	Zinc Phosphate Coating

ASTM F 1428—Aluminum Particle-Filled Basecoat/Organic or Inorganic Topcoat, Corrosion Protective Coatings for Fasteners

PIN	Finish Spec	Finish
CV	ASTM F 1428, Grade 1A	Aluminum Coating
CW	ASTM F 1428, Grade 1B	Aluminum Coating
CX	ASTM F 1428, Grade 1C	Aluminum Coating
CY	ASTM F 1428, Grade 2A	Aluminum Coating
CZ	ASTM F 1428, Grade 2B	Aluminum Coating
D0	ASTM F 1428, Grade 2C	Aluminum Coating
D1	ASTM F 1428, Grade 3A	Aluminum Coating
D2	ASTM F 1428, Grade 3B	Aluminum Coating
D3	ASTM F 1428, Grade 4A	Aluminum Coating
D4	ASTM F 1428, Grade 4B	Aluminum Coating

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Coating Fe/Zn

PIN	Finish Spec	Finish
D5	ASTM F 1941, Zinc Coating Fe/Zn, Type 1A	Zinc Plate
D6	ASTM F 1941, Zinc Coating Fe/Zn, Type 2A	Zinc Plate
D7	ASTM F 1941, Zinc Coating Fe/Zn, Type 3A	Zinc Plate
D8	ASTM F 1941, Zinc Coating Fe/Zn, Type 5A	Zinc Plate
D9	ASTM F 1941, Zinc Coating Fe/Zn, Type 1B	Zinc Plate
DA	ASTM F 1941, Zinc Coating Fe/Zn, Type 2B	Zinc Plate
DB	ASTM F 1941, Zinc Coating Fe/Zn, Type 3B	Zinc Plate
DC	ASTM F 1941, Zinc Coating Fe/Zn, Type 5B	Zinc Plate
DD	ASTM F 1941, Zinc Coating Fe/Zn, Type 1C	Zinc Plate
DE	ASTM F 1941, Zinc Coating Fe/Zn, Type 2C	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Coating Fe/Zn

PIN	Finish Spec	Finish
DF	ASTM F 1941, Zinc Coating Fe/Zn, Type 3C	Zinc Plate
DG	ASTM F 1941, Zinc Coating Fe/Zn, Type 5C	Zinc Plate
DH	ASTM F 1941, Zinc Coating Fe/Zn, Type 1D	Zinc Plate
DJ	ASTM F 1941, Zinc Coating Fe/Zn, Type 2D	Zinc Plate
DK	ASTM F 1941, Zinc Coating Fe/Zn, Type 3D	Zinc Plate
DL	ASTM F 1941, Zinc Coating Fe/Zn, Type 5D	Zinc Plate
DM	ASTM F 1941, Zinc Coating Fe/Zn, Type 1E	Zinc Plate
DN	ASTM F 1941, Zinc Coating Fe/Zn, Type 2E	Zinc Plate
DP	ASTM F 1941, Zinc Coating Fe/Zn, Type 3E	Zinc Plate
DQ	ASTM F 1941, Zinc Coating Fe/Zn, Type 5E	Zinc Plate
DR	ASTM F 1941, Zinc Coating Fe/Zn, Type 1F	Zinc Plate
DS	ASTM F 1941, Zinc Coating Fe/Zn, Type 2F	Zinc Plate
DT	ASTM F 1941, Zinc Coating Fe/Zn, Type 3F	Zinc Plate
DU	ASTM F 1941, Zinc Coating Fe/Zn, Type 5F	Zinc Plate

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Cadmium Coating Fe/Cd

PIN	Finish Spec	Finish
DV	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1A	Cadmium Plate
DW	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2A	Cadmium Plate
DX	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3A	Cadmium Plate
DY	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5A	Cadmium Plate
DZ	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1B	Cadmium Plate
E0	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2B	Cadmium Plate
E1	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3B	Cadmium Plate
E2	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5B	Cadmium Plate
E3	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1C	Cadmium Plate
E4	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2C	Cadmium Plate
E5	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3C	Cadmium Plate
E6	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5C	Cadmium Plate
E7	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1D	Cadmium Plate
E8	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2D	Cadmium Plate
E9	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3D	Cadmium Plate
EA	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5D	Cadmium Plate
EB	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1E	Cadmium Plate
EC	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2E	Cadmium Plate
ED	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3E	Cadmium Plate
EE	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5E	Cadmium Plate
EF	ASTM F 1941, Cadmium Coating Fe/Cd, Type 1F	Cadmium Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

***ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Cadmium Coating Fe/Cd* (Cont'd)**

PIN	Finish Spec	Finish
EG	ASTM F 1941, Cadmium Coating Fe/Cd, Type 2F	Cadmium Plate
EH	ASTM F 1941, Cadmium Coating Fe/Cd, Type 3F	Cadmium Plate
EJ	ASTM F 1941, Cadmium Coating Fe/Cd, Type 5F	Cadmium Plate

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Cobalt Alloy Fe/Zn-Co

PIN	Finish Spec	Finish
EK	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1A	Zinc Plate
EL	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2A	Zinc Plate
EM	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3A	Zinc Plate
EN	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5A	Zinc Plate
EP	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1B	Zinc Plate
EQ	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2B	Zinc Plate
ER	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3B	Zinc Plate
ES	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5B	Zinc Plate
ET	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1C	Zinc Plate
EU	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2C	Zinc Plate
EV	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3C	Zinc Plate
EW	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5C	Zinc Plate
EX	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1D	Zinc Plate
EY	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2D	Zinc Plate
EZ	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3D	Zinc Plate
F0	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5D	Zinc Plate
F1	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1E	Zinc Plate
F2	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2E	Zinc Plate
F3	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3E	Zinc Plate
F4	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5E	Zinc Plate
F5	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 1F	Zinc Plate
F6	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 2F	Zinc Plate
F7	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 3F	Zinc Plate
F8	ASTM F 1941, Zinc Cobalt Alloy Fe/Zn-Co, Type 5F	Zinc Plate

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Nickel Alloy Fe/Zn-Ni

PIN	Finish Spec	Finish
F9	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1A	Zinc Plate
FA	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2A	Zinc Plate
FB	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3A	Zinc Plate
FC	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5A	Zinc Plate
FD	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1B	Zinc Plate
FE	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2B	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

***ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Nickel Alloy Fe/Zn-Ni* (Cont'd)**

PIN	Finish Spec	Finish
FF	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3B	Zinc Plate
FG	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5B	Zinc Plate
FH	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1C	Zinc Plate
FJ	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2C	Zinc Plate
FK	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3C	Zinc Plate
FL	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5C	Zinc Plate
FM	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1D	Zinc Plate
FN	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2D	Zinc Plate
FP	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3D	Zinc Plate
FQ	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5D	Zinc Plate
FR	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1E	Zinc Plate
FS	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2E	Zinc Plate
FT	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3E	Zinc Plate
FU	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5E	Zinc Plate
FV	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 1F	Zinc Plate
FW	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 2F	Zinc Plate
FX	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 3F	Zinc Plate
FY	ASTM F 1941, Zinc Nickel Alloy Fe/Zn-Ni, Type 5F	Zinc Plate

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Iron Alloy Fe/Zn-Fe

PIN	Finish Spec	Finish
FZ	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1A	Zinc Plate
G0	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2A	Zinc Plate
G1	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3A	Zinc Plate
G2	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5A	Zinc Plate
G3	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1B	Zinc Plate
G4	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2B	Zinc Plate
G5	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3B	Zinc Plate
G6	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5B	Zinc Plate
G7	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1C	Zinc Plate
G8	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2C	Zinc Plate
G9	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3C	Zinc Plate
GA	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5C	Zinc Plate
GB	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1D	Zinc Plate
GC	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2D	Zinc Plate
GD	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3D	Zinc Plate
GE	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5D	Zinc Plate
GF	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1E	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 1941—Electrodeposited Coatings on Threaded Fasteners/Zinc Iron Alloy Fe/Zn-Fe **(Cont'd)**

PIN	Finish Spec	Finish
GG	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2E	Zinc Plate
GH	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3E	Zinc Plate
GJ	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5E	Zinc Plate
GK	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 1F	Zinc Plate
GL	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 2F	Zinc Plate
GM	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 3F	Zinc Plate
GN	ASTM F 1941, Zinc Iron Alloy Fe/Zn-Fe, Type 5F	Zinc Plate

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Zinc Coating, Fe/Zn (Metric)

PIN	Finish Spec	Finish
GP	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3A	Zinc Plate
GQ	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3B	Zinc Plate
GR	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3C	Zinc Plate
GS	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3D	Zinc Plate
GT	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3E	Zinc Plate
GU	ASTM F 1941M, Zinc Coating Fe/Zn, Type 3F	Zinc Plate
GV	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5A	Zinc Plate
GW	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5B	Zinc Plate
GX	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5C	Zinc Plate
GY	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5D	Zinc Plate
GZ	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5E	Zinc Plate
H0	ASTM F 1941M, Zinc Coating Fe/Zn, Type 5F	Zinc Plate
H1	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8A	Zinc Plate
H2	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8B	Zinc Plate
H3	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8C	Zinc Plate
H4	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8D	Zinc Plate
H5	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8E	Zinc Plate
H6	ASTM F 1941M, Zinc Coating Fe/Zn, Type 8F	Zinc Plate
H7	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12A	Zinc Plate
H8	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12B	Zinc Plate
H9	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12C	Zinc Plate
HA	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12D	Zinc Plate
HB	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12E	Zinc Plate
HC	ASTM F 1941M, Zinc Coating Fe/Zn, Type 12F	Zinc Plate

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Cadmium Coating, Fe/Cd (Metric)

PIN	Finish Spec	Finish
HD	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3A	Cadmium Plate
HE	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3B	Cadmium Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Cadmium Coating, Fe/Cd (Metric) **(Cont'd)**

PIN	Finish Spec	Finish
HF	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3C	Cadmium Plate
HG	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3D	Cadmium Plate
HH	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3E	Cadmium Plate
HJ	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 3F	Cadmium Plate
HK	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5A	Cadmium Plate
HL	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5B	Cadmium Plate
HM	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5C	Cadmium Plate
HN	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5D	Cadmium Plate
HP	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5E	Cadmium Plate
HQ	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 5F	Cadmium Plate
HR	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8A	Cadmium Plate
HS	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8B	Cadmium Plate
HT	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8C	Cadmium Plate
HU	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8D	Cadmium Plate
HV	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8E	Cadmium Plate
HW	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 8F	Cadmium Plate
HX	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12A	Cadmium Plate
HY	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12B	Cadmium Plate
HZ	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12C	Cadmium Plate
J0	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12D	Cadmium Plate
J1	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12E	Cadmium Plate
J2	ASTM F 1941M, Cadmium Coating Fe/Cd, Type 12F	Cadmium Plate

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Zinc Cobalt Alloy, Fe/Zn-Co (Metric)

PIN	Finish Spec	Finish
J3	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3A	Zinc Plate
J4	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3B	Zinc Plate
J5	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3C	Zinc Plate
J6	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3D	Zinc Plate
J7	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3E	Zinc Plate
J8	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 3F	Zinc Plate
J9	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5A	Zinc Plate
JA	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5B	Zinc Plate
JB	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5C	Zinc Plate
JC	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5D	Zinc Plate
JD	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5E	Zinc Plate
JE	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 5F	Zinc Plate
JF	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8A	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Zinc Cobalt Alloy, Fe/Zn-Co (Metric) (Cont'd)

PIN	Finish Spec	Finish
JG	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8B	Zinc Plate
JH	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8C	Zinc Plate
JJ	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8D	Zinc Plate
JK	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8E	Zinc Plate
JL	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 8F	Zinc Plate
JM	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12A	Zinc Plate
JN	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12B	Zinc Plate
JP	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12C	Zinc Plate
JQ	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12D	Zinc Plate
JR	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12E	Zinc Plate
JS	ASTM F 1941M, Zinc Cobalt Alloy Fe/Zn-Co, Type 12F	Zinc Plate

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Zinc Nickel Alloy, Fe/Zn-Ni (Metric)

PIN	Finish Spec	Finish
JT	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3A	Zinc Plate
JU	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3B	Zinc Plate
JV	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3C	Zinc Plate
JW	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3D	Zinc Plate
JX	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3E	Zinc Plate
JY	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 3F	Zinc Plate
JZ	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5A	Zinc Plate
K0	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5B	Zinc Plate
K1	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5C	Zinc Plate
K2	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5D	Zinc Plate
K3	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5E	Zinc Plate
K4	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 5F	Zinc Plate
K5	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8A	Zinc Plate
K6	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8B	Zinc Plate
K7	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8C	Zinc Plate
K8	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8D	Zinc Plate
K9	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8E	Zinc Plate
KA	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 8F	Zinc Plate
KB	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12A	Zinc Plate
KC	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12B	Zinc Plate
KD	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12C	Zinc Plate
KE	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12D	Zinc Plate
KF	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12E	Zinc Plate
KG	ASTM F 1941M, Zinc Nickel Alloy Fe/Zn-Ni, Type 12F	Zinc Plate

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Table 6-2 Plating, Coating, and Passivation: ASTM Finish Specifications (Cont'd)

ASTM F 1941M—Electrodeposited Coatings on Threaded Fasteners/Zinc Iron Alloy, Fe/Zn-Fe (Metric)

PIN	Finish Spec	Finish
KH	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3A	Zinc Plate
KJ	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3B	Zinc Plate
KK	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3C	Zinc Plate
KL	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3D	Zinc Plate
KM	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3E	Zinc Plate
KN	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 3F	Zinc Plate
KP	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5A	Zinc Plate
KQ	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5B	Zinc Plate
KR	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5C	Zinc Plate
KS	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5D	Zinc Plate
KT	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5E	Zinc Plate
KU	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 5F	Zinc Plate
KV	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8A	Zinc Plate
KW	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8B	Zinc Plate
KX	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8C	Zinc Plate
KY	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8D	Zinc Plate
KZ	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8E	Zinc Plate
L0	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 8F	Zinc Plate
L1	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12A	Zinc Plate
L2	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12B	Zinc Plate
L3	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12C	Zinc Plate
L4	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12D	Zinc Plate
L5	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12E	Zinc Plate
L6	ASTM F 1941M, Zinc Iron Alloy Fe/Zn-Fe, Type 12F	Zinc Plate

Table 6-3 Plating, Coating, and Passivation: Government Finish Specifications

MIL-C-13924D—Coating, Oxide, Black for Ferrous Metals

PIN	Finish Spec	Finish
L7	MIL-C-13924D, Class 1	Black Oxide Coating
L8	MIL-C-13924D, Class 3	Black Oxide Coating
L9	MIL-C-13924D, Class 4	Black Oxide Coating

MIL-DTL-16232G—Phosphate Coatings, Heavy Manganese or Zinc Base (For Ferrous Metals)

PIN	Finish Spec	Finish
LA	DOD-P-16232, Type M, Class 1	Phosphate Coating
LB	DOD-P-16232, Type M, Class 2	Phosphate Coating
LC	DOD-P-16232, Type M, Class 3	Phosphate Coating
LD	DOD-P-16232, Type M, Class 4	Phosphate Coating

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Table 6-3 Plating, Coating, and Passivation: Government Finish Specifications (Cont'd)

MIL-DTL-16232G—Phosphate Coatings, Heavy Manganese or Zinc Base (For Ferrous Metals) **(Cont'd)**

PIN	Finish Spec	Finish
LE	DOD-P-16232, Type Z, Class 1	Phosphate Coating
LF	DOD-P-16232, Type Z, Class 2	Phosphate Coating
LG	DOD-P-16232, Type Z, Class 3	Phosphate Coating
LH	DOD-P-16232, Type Z, Class 4	Phosphate Coating

MIL-F-495E—Finish, Chemical, Black, for Copper Alloys

PIN	Finish Spec	Finish
LJ	MIL-F-495E	Black Oxide Coating

Table 6-4 Plating, Coating, and Passivation: SAE Finish Specifications

SAE AMS-QQ-N-290—Nickel Plating (Electrodeposited)

PIN	Finish Spec	Finish
LK	SAE-AMS-QQ-N-290, Class 1, Grade E	Nickel Coating
LL	SAE-AMS-QQ-N-290, Class 1, Grade F	Nickel Coating
LM	SAE-AMS-QQ-N-290, Class 1, Grade G	Nickel Coating

SAE AMS-QQ-P-35—Passivation Treatments for Corrosion Resistant Steel

PIN	Finish Spec	Finish
LN	SAE-AMS-QQ-P-35, Type II	Passivate
LP	SAE-AMS-QQ-P-35, Type VI	Passivate
LQ	SAE-AMS-QQ-P-35, Type VII	Passivate
LR	SAE-AMS-QQ-P-35, Type VIII	Passivate

SAE AMS-QQ-P-416—Plating, Cadmium (Electrodeposited)

PIN	Finish Spec	Finish
LS	SAE-AMS-QQ-P-416, Type I, Class 1	Cadmium Plate
LT	SAE-AMS-QQ-P-416, Type I, Class 2	Cadmium Plate
LU	SAE-AMS-QQ-P-416, Type I, Class 3	Cadmium Plate
LV	SAE-AMS-QQ-P-416, Type II, Class 1	Cadmium Plate
LW	SAE-AMS-QQ-P-416, Type II, Class 2	Cadmium Plate
LX	SAE-AMS-QQ-P-416, Type II, Class 3	Cadmium Plate
LY	SAE-AMS-QQ-P-416, Type III, Class 1	Cadmium Plate
LZ	SAE-AMS-QQ-P-416, Type III, Class 2	Cadmium Plate

SAE AS 5272—Lubricant, Solid Film, Heat Cured Corrosion Inhibiting

PIN	Finish Spec	Finish
M0	SAE AS 5272,Type I	Solid Film Lubricant
M1	SAE AS 5272,Type II	Solid Film Lubricant

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Table 7-1 Plain: No Additional Features

PIN	Description
1	No Additional Features

Table 7-2 Misc. Features for Externally Threaded Fasteners

PIN	Description
1	Plain End—No Additional Features
2	Pointed—No Additional Features
3	Plain End—Patch-Type Self-Locking
4	Plain End—Plug/Pellet-Type Self-Locking Element
5	Plain End—Strip-Type Self-Locking
6	Plain End—Optional-Type Self-Locking
7	Plain End—Drilled Head
8	Plain End—Patch-Type Self-Locking, Drilled Head
9	Plain End—Plug/Pellet-Type Self-Locking Element, Drilled Head
A	Plain End—Strip-Type Self-Locking Element, Drilled Head
B	Plain End—Optional-Type Self-Locking Element, Drilled Head
C	Plain End—Drilled Shank
D	Pointed—Patch-Type Self-Locking Element
E	Pointed—Plug/Pellet-Type Self-Locking Element
F	Pointed—Strip-Type Self-Locking Element
G	Pointed—Optional-Type Self-Locking Element
H	Pointed—Drilled Head
J	Pointed—Patch-Type Self-Locking Element, Drilled Head
K	Pointed—Plug/Pellet-Type Self-Locking Element, Drilled Head
L	Pointed—Strip-Type Self-Locking Element, Drilled Head
M	Pointed—Optional-Type Self-Locking Element, Drilled Head
N	Pointed—Drilled Shank
-	* Self-Locking Elements per MIL-DTL-18240

Table 7-3 General Point Options

PIN	Description
1	Plain End
2	Header Point

Table 7-4 Features for Metric Flange Screws

PIN	Description
2	Header Point, Type F Fillet
4	Header Point, Type U Fillet

Table 7-5 Features for Metric 12-Spline Screws

PIN	Description
2	Header Point, Type A Fillet
4	Header Point, Type B Fillet

Table 7-6 Neck Options for Large Rivets

PIN	Description
1	Straight Shank to Head
2	Swell Neck

Table 7-7 Cotter Pin Type

PIN	Description
1	Extended Prong Type
2	Hammer Lock Type

Table 7-8 Pin Type

PIN	Description
1	Chamfered Straight
2	Square End Straight

Table 7-9 Sems Washer Components

PIN	Description
1	Helical Spring Lock Washer Component
2	External Tooth Lock Washer Component
3	Internal Tooth Lock Washer Component
4	Type L Narrow Conical Spring Washer Component
5	Type L Regular Conical Spring Washer Component
6	Type L Wide Conical Spring Washer Component
7	Type H Narrow Conical Spring Washer Component
8	Type H Regular Conical Spring Washer Component
9	Type H Wide Conical Spring Washer Component
A	Plain Narrow Washer Component
B	Plain Regular Washer Component
C	Plain Wide Washer Component

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Table 7-10 Wood Screw Thread Types

PIN	Description
C	Cut Thread Wood Screws
R	Rolled Thread Wood Screws
P	Cut or Rolled Thread Wood Screws

Table 7-11 Misc. Features for Socket Head Cap Screws

PIN	Description
1	Undrilled Head, No Additional Features
3	Undrilled Head, Patch-Type Self-Locking Element
4	Undrilled Head, Plug/Pellet-Type Self-Locking Element
5	Undrilled Head, Strip-Type Self-Locking Element
6	Undrilled Head, Optional-Type Self-Locking Element
7	2 Drilled Head Holes, No Additional Features
8	2 Drilled Head Holes, Patch-Type Self-Locking Element
9	2 Drilled Head Holes, Plug/Pellet-Type Self-Locking Element
A	2 Drilled Head Holes, Strip-Type Self-Locking Element
B	2 Drilled Head Holes, Optional-Type Self-Locking Element
C	4 Drilled Head Holes, No Additional Features
D	4 Drilled Head Holes, Patch-Type Self-Locking Element
E	4 Drilled Head Holes, Plug/Pellet-Type Self-Locking Element
F	4 Drilled Head Holes, Strip-Type Self-Locking Element
G	4 Drilled Head Holes, Optional-Type Self-Locking Element
H	6 Drilled Head Holes, No Additional Features
J	6 Drilled Head Holes, Patch-Type Self-Locking Element
K	6 Drilled Head Holes, Plug/Pellet-Type Self-Locking Element
L	6 Drilled Head Holes, Strip-Type Self-Locking Element
M	6 Drilled Head Holes, Optional-Type Self-Locking Element
-	* Self-Locking Elements per MIL-DTL-18240

Table 7-12 Self-Locking Elements for Set Screws

PIN	Description
1	No Additional Features
3	Patch-Type Self-Locking Element
4	Plug/Pellet-Type Self-Locking Element
5	Strip-Type Self-Locking Element
6	Optional-Type Self-Locking Element
-	* Self-Locking Elements per MIL-DTL-18240

Table 7-13 Thread Class for Track Bolts and Nuts

PIN	Description
A	Free Fit
B	Wrench Turn Fit

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NONMANDATORY APPENDIX A

B18.24.1, B18.24.2, B18.24.3 PIN SUCCESSION INSTRUCTIONS

These instructions are meant for use with the worksheet in Fig. A-1. Following that is a 21-digit PIN succession example.

(*1*) Enter cancelled 21 digit PIN.

(*2*) Demarcate digit 1 (field 1) PIN.

(*3*) Based on resolved logic for digit 1, enter the applicable "next table" value in cell A2 and the "table pg#" value in cell C2.

(*4*) Demarcate the next 6 or 7 digits (field 2 value) as applicable from "next length" value in cell A2.

(*5*) Enter field 2 PIN21 value into cell B2.

(*6*) Look up cell B2 PIN21 value in Table B-2 or B-3, as applicable. Enter resolved PIN18 value into cell D2.

(*7*) Enter table references by listing them verically into worksheet beginning from cell A3. Use the simpler "Bxxx-x" format (table-field length) e.g., B136-1 rather than the "[B-xxx]x," format in Tables B-2 and B-3. For example, [B-136] 1.

(*8*) Demarcate remaining fields according to "next length" values starting from cell A3 downward.

(*9*) Enter remaining demarcated field values by listing them verically from cell B3 downward.

(*10*) Enter the page numbers vertically beginning from cell C3 downward.

(*11*) Look up PIN18 values for tables listed in column A starting from A3 downward. Enter PIN18 values into column D.

(*12*) Transpose vertical PIN18 values from column D horizontally to "AE" entry field at bottom of worksheet. This resolves the cancelled B18.24.1-3 PIN to a superseding 18 digit B18.24 PIN.

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Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1				**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(a) Instructions
Blank 21 to 18 Digit Conversion Worksheet.

B210NA01CAD16468GAAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1				**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(b) Instructions
Step (1) Enter cancelled 21 digit PIN.

B|210NA01CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **102-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **103-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1				**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(c) Instructions
Step (2) Demarcate digit 1 (field 1) PIN.

B|210NA01CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **102-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **103-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	**B2-7**		**122**	**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(d) Instructions
Step (3) Based on resolved logic for digit 1, enter the applicable "next table" value in cell A2 and the correct pg. no. in cell C2 from the Table of Contents.

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B | 210NA01 | CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	**B2-7**		**122**	**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(e) Instructions
Step (4) Demarcate the next 6 or 7 digits (field 2 value) as applicable from "next length" value in cell A2.

B | 210NA01 | CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	**B2-7**	**210NA01**	**122**	**AE**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(f) Instructions
Step (5) Enter field 2 PIN21 value into cell B2.

B | 210NA01 | CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	**B2-7**	**210NA01**	**122**	**AE B03**
2				
3				
4				
5				
6				
7				

AE
18 digit B18.24 superseding PIN

Fig. A-1(g) Instructions
Step (6) Look up cell B2 PIN21 value in Table B-2 or B-3, as applicable. Enter resolved PIN18 value into cell D2.

B | 210NA01 | CAD16468GAAB1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	**B2-7**	**210NA01**	**122**	**AE B03**
2	**B4-1**			
3	**B6-2**			
4	**B11-2**			
5	**B134-5**			
6	**B136-2**			
7	**B137-1**			

AE
18 digit B18.24 superseding PIN

Fig. A-1(h) Instructions
Step (7) Enter table references from table by listing them vertically into worksheet beginning from cell A3. Use the simpler xxx-x format rather than the [B-xxx]x format used in Tables B-2 and B-3.

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B | 210NA01 | C | AD | 16 | 468GA | AB | 1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	B 2-7	210NA01	122	AE B03
2	B 4-1			
3	B 6-2			
4	B 11-2			
5	B 134-5			
6	B 136-2			
7	B 137-1			

AE
18 digit B18.24 superseding PIN

Fig. A-1(i) Instructions
Step (8) Demarcate remaining fields according to "next length" values starting from cell A3 downward.

B | 210NA01 | C | AD | 16 | 468GA | AB | 1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	B 2-7	210NA01		AE B03
2	B 4-1	C		
3	B 6-2	AD		
4	B 11-2	16		
5	B 134-5	468GA		
6	B 136-2	AB		
7	B 137-1	1		

AE
18 digit B18.24 superseding PIN

Fig. A-1(j) Instructions
Step (9) Enter remaining demarcated field values by listing them vertically from cell B3 downward.

B | 210NA01 | C | AD | 16 | 468GA | AB | 1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	B 2-7	210NA01	x	AE B03
2	B 4-1	C	x	
3	B 6-2	AD	x	
4	B 11-2	16	x	
5	B 134-5	468GA	x	
6	B 136-2	AB	x	
7	B 137-1	1	x	

AE
18 digit B18.24 superseding PIN

Fig. A-1(k) Instructions
Step (10) Look up page numbers from Table of Contents. Enter them vertically beginning from cell C3 downward.

B | 210NA01 | C | AD | 16 | 468GA | AB | 1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	B 2-7	210NA01		AE B03
2	B 4-1	C	x	C
3	B 6-2	AD	x	250
4	B 11-2	16	x	875
5	B 134-5	468GA	x	BV5
6	B 136-2	AB	x	A2
7	B 137-1	1	x	1

AE
18 digit B18.24 superseding PIN

Fig. A-1(l) Instructions
Step (11) Look up PIN18 values for tables listed in column A starting from A3 downward. Enter PIN18 values into column D.

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B|210NA01|C|AD|16|468GA|AB|1

Enter cancelled 21 digit PIN

if digit 1 above = **B, M, S,** or **T**
then cell A2 below has a value of **B2-7**
if digit 1 above = **E, N, P, R, V,** or **W**
then cell A2 below has a value of **B3-6**

	A	B	C	D
	next—next table—length	PIN21	table pg. no.	PIN18
1	B2-7	210NA01	x	AE BO3
2	B4-1	C	x	C
3	B6-2	AD	x	250
4	B11-2	16	x	875
5	B134-5	468GA	x	BV5
6	B136-2	AB	x	A2
7	B137-1	1	x	1

AEB02C250875BV5A21
18 digit B18.24 superseding PIN

Fig. A-1(m) Instructions
Step (12) Transpose vertical PIN18 values from column D horizontally to "AE" entry field at bottom of worksheet. This resolves the cancelled B18.24.1-3 PIN to a superseding 18 digit B18.24.4 PIN.

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NONMANDATORY APPENDIX B
B18.24.1, B18.24.2, AND B18.24.3 PIN SUCCESSION TABLES

Table B-1 Fastener Family

Digit 1	Source	Description	Next PIN
A	B18.24	18 Digit PIN	Use B18.24 Tables
B	B18.24.1	Bolts	[B2] 7,
E	B18.24.2	Inserts	[B3] 6,
K	B18.24.3	Keys and Keysets	[B3] 6,
M	B18.24.1	Screw and Washer Assemblies: Sems	[B2] 7,
N	B18.24.2	Nuts	[B3] 6,
P	B18.24.3	Pins	[B3] 6,
R	B18.24.3	Retaining Rings	[B3] 6,
S	B18.24.1	Screws	[B2] 7,
T	B18.24.1	Studs	[B2] 7,
V	B18.24.3	Rivets	[B3] 6,
W	B18.24.3	Washers	[B3] 6,

Table B-2 Fastener Type: Externally Threaded

PIN21	PIN18	Table References
100NA28	AEB32	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
100NA29	AEB33	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
110NG83	AESZG	[B-4]1,[B-10]2,[B-13]2,[B-134]5,[B-136]2,[B-137]1,
110NG84	AESZH	[B-4]1,[B-10]2,[B-13]2,[B-134]5,[B-136]2,[B-137]1,
110NG85	AESZJ	[B-4]1,[B-10]2,[B-13]2,[B-134]5,[B-136]2,[B-137]1,
110NG86	AESZK	[B-4]1,[B-10]2,[B-13]2,[B-134]5,[B-136]2,[B-137]1,
130NG11	AEMF4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG12	AEMF5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG13	AEMF6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG14	AEMF7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG15	AEMQ9	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG16	AEMR0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG17	AEMR1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG18	AEMR2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG19	AEMS1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG20	AEMT9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG21	AEM01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG22	AEMQ1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG23	AEMQ2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG24	AEMQ3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG25	AEMQ4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG30	AEMS1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG31	AEMT9	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG32	AEM14	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-158]1,
130NG33	AEMF4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG34	AEMF5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG35	AEMF6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG36	AEMF7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG37	AEMQ9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
130NG38	AEMR0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG39	AEMR1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG40	AEMR2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG41	AEMS1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG42	AEMT9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG43	AEM01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-160]1,
130NG44	AEMC0	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG45	AEMC1	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG46	AEMC2	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG47	AEMC3	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG48	AEMN0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG49	AEMN1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG50	AEMN2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG51	AEMN3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG52	AEMQ1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG53	AEMQ2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG54	AEMQ3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG55	AEMQ4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG56	AEMQ1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG57	AEMQ2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG58	AEMQ3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG59	AEMQ4	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG60	AEMT9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG61	AEM01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-159]1,
130NG62	AEMQ1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG63	AEMQ2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG64	AEMQ3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG65	AEMQ4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG66	AEMQ9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG67	AEMR0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG68	AEMR1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG69	AEMR2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-162]1,
130NG72	AEM01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-165]1,
130NG73	AEMF4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-168]1,
130NG74	AEMF5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-168]1,
130NG75	AEMF6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-168]1,
130NG76	AEMF7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-168]1,
130NG77	AEMQ1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-167]1,
130NG78	AEMQ2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-167]1,
130NG79	AEMQ3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-167]1,
130NG80	AEMQ4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-167]1,
130NG81	AEMS1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-167]1,
130NG82	AEMT9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-169]1,
130NG83	AEM01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-168]1,
131NG11	AEMZ1	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG12	AEMZ2	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG13	AEMZ3	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG19	AEMX1	[B-147]1,[B-152]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG20	AEMX7	[B-149]1,[B-152]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG21	AEM07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG22	AEMW4	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG23	AEMW5	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG24	AEMW6	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG30	AEMX1	[B-141]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG31	AEMX7	[B-144]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG32	AEM43	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-158]1,
131NG33	AEMZ1	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,
131NG34	AEMZ2	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,
131NG35	AEMZ3	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,
131NG41	AEMX1	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,
131NG42	AEMX7	[B-149]1,[B-152]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,
131NG43	AEM07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-160]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
131NG44	AEMV3	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG45	AEMV4	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG46	AEMV5	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG48	AEMW0	[B-141]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG49	AEMW1	[B-141]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG50	AEMW2	[B-141]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG52	AEMW4	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG53	AEMW5	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG54	AEMW6	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG60	AEMX7	[B-149]1,[B-152]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG61	AEM07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-159]1,
131NG62	AEMW4	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-162]1,
131NG63	AEMW5	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-162]1,
131NG64	AEMW6	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-162]1,
131NG71	AEMX7	[B-141]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-162]1,
131NG72	AEM07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-165]1,
131NG73	AEMZ1	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-168]1,
131NG74	AEMZ2	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-168]1,
131NG75	AEMZ3	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-168]1,
131NG81	AEMX1	[B-140]1,[B-151]2,[B-12]2,[B-134]5,[B-136]2,[B-167]1,
131NG82	AEMX7	[B-149]1,[B-152]2,[B-12]2,[B-134]5,[B-136]2,[B-169]1,
131NG83	AEM07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-169]1,
151NG09	AET05	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
152NG10	AET06	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
210NA00	AEB02	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA01	AEB03	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA09	AEB01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA38	AES01	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA48	AES02	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA50	AES03	[B-4]1,[B-157]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA51	AES04	[B-4]1,[B-157]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA52	AES05	[B-4]1,[B-157]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
210NA53	AES06	[B-4]1,[B-157]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
2310A09	AEB08	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
231NA38	AES07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
234NG07	AES10	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
235NA00	AEB05	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
236NA01	AEB06	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
237NA06	AEB07	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
238NA52	AES11	[B-171]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
239NG08	AES12	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
260NA06	AEB09	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
271NB45	AES13	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
300NA42	AES14	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NA43	AES15	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NA44	AES16	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NA45	AES17	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NA46	AES18	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NA47	AES19	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB08	AES22	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB09	AES23	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB10	AES24	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB11	AES25	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB12	AES26	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB13	AES28	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB14	AES29	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB15	AES30	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB16	AES31	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB17	AES32	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB18	AES33	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB19	AES34	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB20	AES35	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
300NB21	AES36	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB22	AES37	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB23	AES39	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB24	AES40	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB25	AES41	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NB26	AES42	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
300NS30	AES21	[B-4]1,[B-155]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
310NA42	AES43	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
310NA43	AES44	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
340NA46	AES46	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB13	AES53	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB14	AES54	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB15	AES55	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB16	AES56	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB23	AES62	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB24	AES63	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB25	AES64	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
360NB26	AES65	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
500NA17	AEB10	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA18	AEB16	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA19	AEB18	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA20	AEB14	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA21	AEB13	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA22	AEB11	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA23	AEB12	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA24	AEB19	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA27	AEB15	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NA37	AEB20	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
500NAA1	AEB17	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
521NA23	AEB21	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
522NA22	AEB22	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
610NB46	AES66	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB47	AES67	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB48	AES68	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB49	AES69	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB50	AES70	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB51	AES71	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB52	AES72	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
610NB53	AES73	[B-4]1,[B-156]2,[B-11]2,[B-134]5,[B-136]2,[B-172]1,
620NA39	AES78	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NA40	AES80	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NA41	AES79	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB27	AES93	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB28	AES94	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB29	AES95	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB30	AES96	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB31	AES97	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB32	AES98	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB33	AES81	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB34	AES82	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB35	AES83	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB36	AES84	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB37	AES85	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB38	AES86	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB39	AES87	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB40	AES88	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB41	AES89	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB42	AES90	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB43	AES91	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
620NB44	AES92	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA54	AESH5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA55	AESH6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
630NA56	AESH8	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA57	AESG7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA58	AESG2	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA59	AESG3	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA60	AESG4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA61	AESG5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA62	AESC0	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA63	AESC1	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA64	AESC2	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA65	AESC3	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA69	AESD8	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA70	AESD9	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA71	AESE0	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA72	AESE1	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA73	AESC5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA74	AESC6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA75	AESC8	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA76	AESC9	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA77	AESD0	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA78	AESD2	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA83	AESK9	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA84	AESK8	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA85	AESD3	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA86	AESD4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA87	AESD5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA88	AESD6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA89	AESE3	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA90	AESE4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA91	AESE5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA92	AESE6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA96	AESL4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA97	AESL5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA98	AESL7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NA99	AESF4	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB00	AESF5	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB01	AESF6	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB02	AESF7	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB03	AESG8	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB04	AESG9	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB05	AESH1	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
630NB06	AESH0	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB57	AESQ9	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB58	AESQ9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB59	AESQ9	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB60	AESQ9	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB61	AESQ9	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB62	AESQ9	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB63	AESQ9	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB64	AESQ9	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB65	AESQ9	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB66	AESQ9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB67	AESR0	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB68	AESR0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB69	AESR0	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB70	AESR0	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB71	AESR0	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB72	AESR0	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB73	AESR0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB74	AESR0	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB75	AESR0	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB76	AESR0	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB77	AESR1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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PIN21	PIN18	Table References
640NB78	AESR1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB79	AESR1	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB80	AESR1	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB81	AESR1	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB82	AESR1	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB83	AESR1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB84	AESR1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB85	AESR1	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB86	AESR1	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB87	AESR2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB88	AESR2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB89	AESR2	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB90	AESR2	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB91	AESR2	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB92	AESR2	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB93	AESR2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB94	AESR2	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB95	AESR2	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB96	AESR2	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB97	AESM1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB98	AESM1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NB99	AESM1	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC00	AESM1	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC01	AESM1	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC02	AESM1	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC03	AESM1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC04	AESM1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC05	AESM1	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC06	AESM1	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC07	AESM2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC08	AESM2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC09	AESM2	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC10	AESM2	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC11	AESM2	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC12	AESM2	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC13	AESM2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC14	AESM2	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC15	AESM2	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC16	AESM2	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC17	AESM3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC18	AESM3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC19	AESM3	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC20	AESM3	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC21	AESM3	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC22	AESM3	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC23	AESM3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC24	AESM3	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC25	AESM3	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC26	AESM3	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC27	AESM4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC28	AESM4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC29	AESM4	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC30	AESM4	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC31	AESM4	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC32	AESM4	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC33	AESM4	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC34	AESM4	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC35	AESM4	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC36	AESM4	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC37	AESN5	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC38	AESN5	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC39	AESN5	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
640NC40	AESN5	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC41	AESN5	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC42	AESN5	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC43	AESN5	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC44	AESN5	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC45	AESN5	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC46	AESN5	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC47	AESN6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC48	AESN6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC49	AESN6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC50	AESN6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC51	AESN6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC52	AESN6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC53	AESN6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC54	AESN6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC55	AESN6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC56	AESN6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC57	AESN7	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC58	AESN7	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC59	AESN7	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC60	AESN7	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC61	AESN7	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC62	AESN7	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC63	AESN7	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC64	AESN7	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC65	AESN7	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC66	AESN7	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC67	AESN8	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC68	AESN8	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC69	AESN8	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC70	AESN8	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC71	AESN8	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC72	AESN8	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC73	AESN8	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC74	AESN8	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC75	AESN8	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC76	AESN8	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC77	AESP5	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC78	AESP5	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC79	AESP5	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC80	AESP5	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC81	AESP5	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC82	AESP5	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC83	AESP5	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC84	AESP5	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC85	AESP5	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC86	AESP5	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC87	AESP6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC88	AESP6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC89	AESP6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC90	AESP6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC91	AESP6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC92	AESP6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC93	AESP6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC94	AESP6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC95	AESP6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC96	AESP6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC97	AESP7	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC98	AESP7	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NC99	AESP7	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND00	AESP7	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND01	AESP7	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
640ND02	AESP7	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND03	AESP7	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND04	AESP7	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND05	AESP7	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND06	AESP7	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND07	AESM6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND08	AESM6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND09	AESM6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND10	AESM6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND11	AESM6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND12	AESM6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND13	AESM6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND14	AESM6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND15	AESM6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND16	AESM6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND17	AESM8	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND18	AESM8	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND19	AESM8	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND20	AESM8	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND21	AESM8	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND22	AESM9	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND23	AESM9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND24	AESM9	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND25	AESM9	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND26	AESM9	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND27	AESS4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND28	AESS4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND29	AESS4	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND30	AESS4	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND31	AESS4	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND32	AESS4	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND33	AESS4	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND34	AESS4	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND35	AESS4	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND36	AESS4	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND37	AESS3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND38	AESS3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND39	AESS3	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND40	AESS3	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND41	AESS3	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND42	AESS3	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND43	AESS3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND44	AESS3	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND45	AESS3	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND46	AESS3	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND47	AESS6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND48	AESS6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND49	AESS6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND50	AESS6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND51	AESS6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND52	AESS6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND53	AESS6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND54	AESS6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND55	AESS6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND56	AESS6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND57	AESS5	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND58	AESS5	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND59	AESS5	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND60	AESS5	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND61	AESS5	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND62	AESS5	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND63	AESS5	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
640ND64	AESS5	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND65	AESS5	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND66	AESS5	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND67	AESU0	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND68	AESU0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND69	AESU0	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND70	AESU0	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND71	AESU0	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND72	AESU0	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND73	AESU0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND74	AESU0	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND75	AESU0	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND76	AESU0	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND77	AEST9	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND78	AEST9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND79	AEST9	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND80	AEST9	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND81	AEST9	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND82	AEST9	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND83	AEST9	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND84	AEST9	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND85	AEST9	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND86	AEST9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND87	AESN0	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND88	AESN0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND89	AESN0	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND90	AESN0	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND91	AESN0	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND92	AESN0	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND93	AESN0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND94	AESN0	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND95	AESN0	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND96	AESN0	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND97	AESN1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND98	AESN1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640ND99	AESN1	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NDD0	AESM7	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NDD1	AESM7	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NDD2	AESM7	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NDD3	AESM7	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NDD4	AESM7	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE00	AESN1	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE01	AESN1	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE02	AESN1	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE03	AESN1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE04	AESN1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE05	AESN1	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE06	AESN1	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE07	AESN2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE08	AESN2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE09	AESN2	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE10	AESN2	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE11	AESN2	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE12	AESN2	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE13	AESN2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE14	AESN2	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE15	AESN2	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE16	AESN2	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE17	AESN3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE18	AESN3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE19	AESN3	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE20	AESN3	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
640NE21	AESN3	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE22	AESN3	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE23	AESN3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE24	AESN3	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE25	AESN3	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE26	AESN3	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE27	AESP8	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE28	AESP8	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE29	AESP8	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE30	AESP8	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE31	AESP8	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE32	AESP8	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE33	AESP8	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE34	AESP8	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE35	AESP8	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE37	AESP9	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE38	AESP9	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE39	AESP9	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE40	AESP9	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE41	AESP9	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE42	AESP9	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE43	AESP9	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE44	AESP9	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE45	AESP9	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE46	AESP9	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE47	AESQ0	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE48	AESQ0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE49	AESQ0	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE50	AESQ0	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE51	AESQ0	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE52	AESQ0	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE53	AESQ0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE54	AESQ0	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE55	AESQ0	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE56	AESQ0	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE57	AESP0	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE58	AESP0	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE59	AESP0	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE60	AESP0	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE61	AESP0	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE62	AESP0	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE63	AESP0	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE64	AESP0	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE65	AESP0	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE66	AESP0	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE67	AESP1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE68	AESP1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE69	AESP1	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE70	AESP1	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE71	AESP1	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE72	AESP1	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE73	AESP1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE74	AESP1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE75	AESP1	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE76	AESP1	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE77	AESP2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE78	AESP2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE79	AESP2	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE80	AESP2	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE81	AESP2	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE82	AESP2	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE83	AESP2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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PIN21	PIN18	Table References
640NE84	AESP2	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE85	AESP2	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE86	AESP2	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE87	AESP3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE88	AESP3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE89	AESP3	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE90	AESP3	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE91	AESP3	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE92	AESP3	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE93	AESP3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE94	AESP3	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE95	AESP3	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE96	AESP3	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE97	AESQ1	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE98	AESQ1	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NE99	AESQ1	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF00	AESQ1	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF01	AESQ1	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF02	AESQ1	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF03	AESQ1	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF04	AESQ1	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF05	AESQ1	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF06	AESQ1	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF07	AESQ2	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF08	AESQ2	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF09	AESQ2	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF10	AESQ2	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF11	AESQ2	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF12	AESQ2	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF13	AESQ2	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF14	AESQ2	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF15	AESQ2	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF16	AESQ2	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF17	AESQ3	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF18	AESQ3	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF19	AESQ3	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF20	AESQ3	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF21	AESQ3	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF22	AESQ3	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF23	AESQ3	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF24	AESQ3	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF25	AESQ3	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF26	AESQ3	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF27	AESQ4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF28	AESQ4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF29	AESQ4	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF30	AESQ4	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF31	AESQ4	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF32	AESQ4	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF33	AESQ4	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF34	AESQ4	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF35	AESQ4	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF36	AESQ4	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF37	AESU5	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF38	AESU5	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF39	AESU5	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF40	AESU5	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF41	AESU5	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF42	AESU5	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF43	AESU5	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF44	AESU5	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF45	AESU5	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
640NF46	AESU5	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF47	AESU6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF48	AESU6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF49	AESU6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF50	AESU6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF51	AESU6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF52	AESU6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF53	AESU6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF54	AESU6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF55	AESU6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF56	AESU6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF57	AESU8	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF58	AESU8	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF59	AESU8	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF60	AESU8	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF61	AESU8	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF62	AESU8	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF63	AESU8	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF64	AESU8	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF65	AESU8	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF66	AESU8	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF67	AESR4	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF68	AESR4	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF69	AESR4	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF70	AESR4	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF71	AESR4	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF72	AESR4	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF73	AESR4	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF74	AESR4	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF75	AESR4	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF76	AESR4	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF77	AESR5	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF78	AESR5	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF79	AESR5	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF80	AESR5	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF81	AESR5	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF82	AESR5	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF83	AESR5	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF84	AESR5	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF85	AESR5	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF86	AESR5	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF87	AESR6	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF88	AESR6	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF89	AESR6	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF90	AESR6	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF91	AESR6	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF92	AESR6	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF93	AESR6	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF94	AESR6	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF95	AESR6	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF96	AESR6	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF97	AESR7	[B-140]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF98	AESR7	[B-141]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NF99	AESR7	[B-142]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG00	AESR7	[B-143]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG01	AESR7	[B-144]1,[B-151]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG02	AESR7	[B-145]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG03	AESR7	[B-146]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG04	AESR7	[B-147]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG05	AESR7	[B-148]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG06	AESR7	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
640NG88	AESV2	[B-150]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-2 Fastener Type: Externally Threaded (Cont'd)

PIN21	PIN18	Table References
650NB97	AESV3	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NB98	AESV3	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NB99	AESV3	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC01	AESV3	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC03	AESV3	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC04	AESV3	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC06	AESV3	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC07	AESV4	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC08	AESV4	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC09	AESV4	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC11	AESV4	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC13	AESV4	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC14	AESV4	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC16	AESV4	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC17	AESV5	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC18	AESV5	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC19	AESV5	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC21	AESV5	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC23	AESV5	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC24	AESV5	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC26	AESV5	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC47	AESV7	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC48	AESV7	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC49	AESV7	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC51	AESV7	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC53	AESV7	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC54	AESV7	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC56	AESV7	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC57	AESV8	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC58	AESV8	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC59	AESV8	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC61	AESV8	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC63	AESV8	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC64	AESV8	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NC66	AESV8	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND37	AESX3	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND38	AESX3	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND39	AESX3	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND42	AESX3	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND43	AESX3	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND44	AESX3	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND46	AESX3	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND57	AESX5	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND58	AESX5	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND59	AESX5	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND61	AESX5	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND63	AESX5	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND64	AESX5	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND66	AESX5	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND77	AESX7	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND78	AESX7	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND79	AESX7	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND81	AESX7	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND83	AESX7	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND84	AESX7	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND86	AESX7	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND87	AESW0	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND88	AESW0	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND89	AESW0	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND91	AESW0	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND93	AESW0	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND94	AESW0	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,

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PIN21	PIN18	Table References
650ND96	AESW0	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND97	AESW1	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND98	AESW1	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650ND99	AESW1	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE01	AESW1	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE03	AESW1	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE04	AESW1	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE06	AESW1	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE07	AESW2	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE08	AESW2	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE09	AESW2	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE11	AESW2	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE13	AESW2	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE14	AESW2	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE16	AESW2	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE36	AESP8	[B-149]1,[B-152]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
650NE97	AESW4	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE98	AESW4	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NE99	AESW4	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF01	AESW4	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF03	AESW4	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF04	AESW4	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF06	AESW4	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF07	AESW5	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF08	AESW5	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF09	AESW5	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF11	AESW5	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF13	AESW5	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF14	AESW5	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF16	AESW5	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF17	AESW6	[B-140]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF18	AESW6	[B-141]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF19	AESW6	[B-142]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF21	AESW6	[B-144]1,[B-153]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF23	AESW6	[B-146]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF24	AESW6	[B-147]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
650NF26	AESW6	[B-149]1,[B-154]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA62	AESY0	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA79	AESZD	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA80	AESZC	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA81	AESZB	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA82	AESZA	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA84	AESZE	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA84	AESZF	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA85	AESY7	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA86	AESY8	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA87	AESY9	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NA99	AESZ1	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NB00	AESZ2	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
670NB01	AESZ3	[B-4]1,[B-8]2,[B-12]2,[B-134]5,[B-136]2,[B-137]1,
900NA12	AEB30	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA13	AEB28	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA31	AEB24	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA32	AEB25	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA33	AEB29	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA34	AEB31	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA35	AEB26	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,
900NA36	AEB27	[B-4]1,[B-6]2,[B-11]2,[B-134]5,[B-136]2,[B-137]1,

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Table B-3 Fastener Type: Internally Threaded and Nonthreaded

PIN21	PIN18	Table References
100N16	AEN25	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
100N17	AEN24	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
110NAA	AEV01	[B-15]3,[B-16]3,[B-134]5,[B-136]2,[B-139]1,
110NAB	AEV02	[B-15]3,[B-16]3,[B-134]5,[B-136]2,[B-139]1,
110NAC	AEV03	[B-15]3,[B-16]3,[B-134]5,[B-136]2,[B-139]1,
110NAD	AEV04	[B-15]3,[B-16]3,[B-134]5,[B-136]2,[B-139]1,
110NAE	AEV05	[B-15]3,[B-16]3,[B-134]5,[B-136]2,[B-139]1,
110NAF	AEV06	[B-17]6,[B-134]5,[B-136]2,[B-139]1,
110NAG	AEV07	[B-18]6,[B-134]5,[B-136]2,[B-139]1,
110NAH	AEV08	[B-21]3,[B-22]3,[B-134]5,[B-136]2,[B-139]1,
110NAJ	AEV09	[B-19]3,[B-20]3,[B-134]5,[B-136]2,[B-139]1,
120NAA	AEV10	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
120NAB	AEV11	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
120NAC	AEV12	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
120NAD	AEV13	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
120NAE	AEV14	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
120NAF	AEV15	[B-23]3,[B-24]3,[B-134]5,[B-136]2,[B-139]1,
130NAA	AEV16	[B-25]3,[B-26]3,[B-134]5,[B-136]2,[B-139]1,
130NAB	AEV17	[B-25]3,[B-26]3,[B-134]5,[B-136]2,[B-139]1,
130NAC	AEV18	[B-25]3,[B-26]3,[B-134]5,[B-136]2,[B-139]1,
163N24	AEN26	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
163N25	AEN27	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
163N26	AEN28	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
163N27	AEN29	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
163N28	AEN30	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
163N29	AEN31	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
211NAA	AEW07	[B-96]6,[B-134]5,[B-136]2,[B-139]1,
211NAB	AEW08	[B-96]6,[B-134]5,[B-136]2,[B-139]1,
211NAC	AEW09	[B-96]6,[B-134]5,[B-136]2,[B-139]1,
211NAD	AEW10	[B-97]6,[B-134]5,[B-136]2,[B-139]1,
211NAE	AEW11	[B-98]6,[B-134]5,[B-136]2,[B-139]1,
211NAF	AEW12	[B-99]6,[B-134]5,[B-136]2,[B-139]1,
211NAG	AEW13	[B-102]6,[B-134]5,[B-136]2,[B-139]1,
211NAH	AEW14	[B-100]6,[B-134]5,[B-136]2,[B-139]1,
211NAJ	AEW15	[B-101]6,[B-134]5,[B-136]2,[B-139]1,
212NAA	AEW16	[B-103]6,[B-134]5,[B-136]2,[B-139]1,
212NAB	AEW17	[B-103]6,[B-134]5,[B-136]2,[B-139]1,
212NAC	AEW18	[B-104]6,[B-134]5,[B-136]2,[B-139]1,
212NAD	AEW19	[B-105]6,[B-134]5,[B-136]2,[B-139]1,
212NAE	AEW20	[B-108]6,[B-134]5,[B-136]2,[B-139]1,
212NAF	AEW21	[B-106]6,[B-134]5,[B-136]2,[B-139]1,
212NAG	AEW22	[B-107]6,[B-134]5,[B-136]2,[B-139]1,
2200AA	AEW23	[B-109]6,[B-134]5,[B-136]2,[B-139]1,
220N00	AEN01	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N01	AEN02	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N02	AEN03	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N03	AEN04	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N04	AEN05	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N05	AEN06	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N06	AEN07	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N07	AEN08	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N08	AEN09	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N09	AEN10	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N10	AEN11	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N11	AEN12	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N12	AEN13	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
220N13	AEN14	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
221NAA	AEW24	[B-110]6,[B-134]5,[B-136]2,[B-139]1,
221NAB	AEW25	[B-111]6,[B-134]5,[B-136]2,[B-139]1,
221NAC	AEW26	[B-112]6,[B-134]5,[B-136]2,[B-139]1,
241N18	AEN15	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
242N19	AEN16	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
243N20	AEN17	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
244N21	AEN18	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
245N22	AEN19	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
246N23	AEN20	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
251NAA	AEK01	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NAB	AEK02	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NAC	AEK03	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NAD	AEK04	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NAE	AEK05	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NAF	AEK06	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBA	AEK07	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBB	AEK08	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBC	AEK09	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBD	AEK10	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBE	AEK11	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
251NBF	AEK12	[B-113]3,[B-114]3,[B-134]5,[B-136]2,[B-139]1,
252NAA	AEK13	[B-115]6,[B-134]5,[B-136]2,[B-139]1,
252NAB	AEK14	[B-115]6,[B-134]5,[B-136]2,[B-139]1,
260N30	AEN21	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
260NAA	AEW01	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
260NAB	AEW02	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
260NAC	AEW03	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
260NAD	AEW04	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
260NAE	AEW05	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
260NAF	AEW06	[B-27]6,[B-134]5,[B-136]2,[B-139]1,
271NAA	AER01	[B-118]6,[B-134]5,[B-136]2,[B-139]1,
271NAB	AER02	[B-119]6,[B-134]5,[B-136]2,[B-139]1,
271NAC	AER03	[B-120]6,[B-134]5,[B-136]2,[B-139]1,
272NAA	AER04	[B-121]6,[B-134]5,[B-136]2,[B-139]1,
272NAB	AER05	[B-122]6,[B-134]5,[B-136]2,[B-139]1,
272NAC	AER06	[B-123]6,[B-134]5,[B-136]2,[B-139]1,
276NAA	AER17	[B-124]6,[B-134]5,[B-136]2,[B-139]1,
276NAB	AER18	[B-125]6,[B-134]5,[B-136]2,[B-139]1,
276NAC	AER19	[B-126]6,[B-134]5,[B-136]2,[B-139]1,
276NAD	AER20	[B-127]6,[B-134]5,[B-136]2,[B-139]1,
277NAA	AER21	[B-128]6,[B-134]5,[B-136]2,[B-139]1,
277NAB	AER22	[B-129]6,[B-134]5,[B-136]2,[B-139]1,
277NAC	AER23	[B-130]6,[B-134]5,[B-136]2,[B-139]1,
278NAA	AER24	[B-131]6,[B-134]5,[B-136]2,[B-139]1,
278NAB	AER25	[B-132]6,[B-134]5,[B-136]2,[B-139]1,
278NAC	AER26	[B-133]6,[B-134]5,[B-136]2,[B-139]1,
291N70	AEE01	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
291N71	AEE02	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
292N72	AEE03	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
292N73	AEE04	[B-5]1,[B-9]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
293N74	AEE05	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
293N75	AEE06	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
630N14	AEN22	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
630N15	AEN23	[B-5]1,[B-7]2,[B-14]2,[B-135]6,[B-136]2,[B-138]1,
700NAA	AEV20	[B-28]3,[B-29]3,[B-134]5,[B-136]2,[B-139]1,
700NAB	AEV21	[B-30]3,[B-31]3,[B-134]5,[B-136]2,[B-139]1,
700NAC	AEV23	[B-32]3,[B-33]3,[B-134]5,[B-136]2,[B-139]1,
700NAD	AEV24	[B-34]3,[B-35]3,[B-134]5,[B-136]2,[B-139]1,
700NAE	AEV25	[B-36]3,[B-37]3,[B-134]5,[B-136]2,[B-139]1,
700NAF	AEV26	[B-38]3,[B-39]3,[B-134]5,[B-136]2,[B-139]1,
700NAG	AEV27	[B-40]3,[B-41]3,[B-134]5,[B-136]2,[B-139]1,
700NAH	AEV28	[B-40]3,[B-41]3,[B-134]5,[B-136]2,[B-139]1,
700NAJ	AEV29	[B-40]3,[B-41]3,[B-134]5,[B-136]2,[B-139]1,
700NAK	AEV30	[B-42]3,[B-43]3,[B-134]5,[B-136]2,[B-139]1,
700NAL	AEV31	[B-42]3,[B-43]3,[B-134]5,[B-136]2,[B-139]1,

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Table B-3 Fastener Type: Internally Threaded and Nonthreaded (Cont'd)

PIN21	PIN18	Table References
700NAM	AEV32	[B-44]3,[B-45]3,[B-134]5,[B-136]2,[B-139]1,
700NAN	AEV33	[B-44]3,[B-45]3,[B-134]5,[B-136]2,[B-139]1,
820NAA	AEP03	[B-50]3,[B-51]3,[B-134]5,[B-136]2,[B-139]1,
820NAB	AEP05	[B-52]3,[B-53]3,[B-134]5,[B-136]2,[B-139]1,
820NAC	AEP06	[B-54]3,[B-55]3,[B-134]5,[B-136]2,[B-139]1,
820NAD	AEP07	[B-56]3,[B-57]3,[B-134]5,[B-136]2,[B-139]1,
820NAE	AEP08	[B-58]3,[B-59]3,[B-134]5,[B-136]2,[B-139]1,
820NAF	AEP09	[B-60]3,[B-61]3,[B-134]5,[B-136]2,[B-139]1,
820NAG	AEP10	[B-62]3,[B-63]3,[B-134]5,[B-136]2,[B-139]1,
820NAH	AEP12	[B-62]3,[B-63]3,[B-134]5,[B-136]2,[B-139]1,
820NAJ	AEP14	[B-62]3,[B-63]3,[B-134]5,[B-136]2,[B-139]1,
820NAK	AEP16	[B-62]3,[B-63]3,[B-134]5,[B-136]2,[B-139]1,
820NAL	AEP18	[B-62]3,[B-63]3,[B-134]5,[B-136]2,[B-139]1,
820NAM	AEP11	[B-64]3,[B-65]3,[B-134]5,[B-136]2,[B-139]1,
820NAN	AEP13	[B-64]3,[B-65]3,[B-134]5,[B-136]2,[B-139]1,
820NAP	AEP15	[B-64]3,[B-65]3,[B-134]5,[B-136]2,[B-139]1,
820NAQ	AEP17	[B-64]3,[B-65]3,[B-134]5,[B-136]2,[B-139]1,
820NAR	AEP19	[B-64]3,[B-65]3,[B-134]5,[B-136]2,[B-139]1,
820NAS	AEP20	[B-66]3,[B-67]3,[B-134]5,[B-136]2,[B-139]1,
820NAT	AEP21	[B-68]3,[B-69]3,[B-134]5,[B-136]2,[B-139]1,
820NAU	AEP22	[B-70]3,[B-71]3,[B-134]5,[B-136]2,[B-139]1,
820NAV	AEP23	[B-72]3,[B-73]3,[B-134]5,[B-136]2,[B-139]1,
820NAW	AEP24	[B-72]3,[B-73]3,[B-134]5,[B-136]2,[B-139]1,
820NAX	AEP25	[B-72]3,[B-73]3,[B-134]5,[B-136]2,[B-139]1,
830NAA	AEP26	[B-74]3,[B-75]3,[B-134]5,[B-136]2,[B-139]1,
830NAB	AEP27	[B-74]3,[B-75]3,[B-134]5,[B-136]2,[B-139]1,
830NAC	AEP28	[B-74]3,[B-75]3,[B-134]5,[B-136]2,[B-139]1,
840NAA	AEP29	[B-76]3,[B-77]3,[B-134]5,[B-136]2,[B-139]1,
840NAB	AEP30	[B-76]3,[B-77]3,[B-134]5,[B-136]2,[B-139]1,
850NAA	AEP31	[B-78]3,[B-79]3,[B-134]5,[B-136]2,[B-139]1,
850NAB	AEP32	[B-78]3,[B-79]3,[B-134]5,[B-136]2,[B-139]1,
860NAA	AEP33	[B-80]3,[B-81]3,[B-134]5,[B-136]2,[B-139]1,
870NAA	AEP34	[B-82]3,[B-83]3,[B-134]5,[B-136]2,[B-139]1,
870NAB	AEP35	[B-82]3,[B-83]3,[B-134]5,[B-136]2,[B-139]1,
870NBA	AEP36	[B-84]3,[B-85]3,[B-134]5,[B-136]2,[B-139]1,
870NBB	AEP37	[B-84]3,[B-85]3,[B-134]5,[B-136]2,[B-139]1,
880NAA	AEP38	[B-86]3,[B-87]3,[B-134]5,[B-136]2,[B-139]1,
880NAB	AEP39	[B-86]3,[B-87]3,[B-134]5,[B-136]2,[B-139]1,
880NBA	AEP40	[B-88]3,[B-89]3,[B-134]5,[B-136]2,[B-139]1,
880NBB	AEP41	[B-88]3,[B-89]3,[B-134]5,[B-136]2,[B-139]1,
881NAA	AEP01	[B-48]3,[B-49]3,[B-134]5,[B-136]2,[B-139]1,
881NAB	AEP02	[B-46]3,[B-47]3,[B-134]5,[B-136]2,[B-139]1,
890NAA	AEP42	[B-90]3,[B-91]3,[B-134]5,[B-136]2,[B-139]1,
890NAB	AEP43	[B-90]3,[B-91]3,[B-134]5,[B-136]2,[B-139]1,
890NAC	AEP44	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAD	AEP45	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAE	AEP46	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAF	AEP47	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAG	AEP48	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAH	AEP49	[B-92]3,[B-93]3,[B-134]5,[B-136]2,[B-139]1,
890NAJ	AEP50	[B-94]3,[B-95]3,[B-134]5,[B-136]2,[B-139]1,
890NAK	AEP52	[B-94]3,[B-95]3,[B-134]5,[B-136]2,[B-139]1,
890NAL	AEP53	[B-94]3,[B-95]3,[B-134]5,[B-136]2,[B-139]1,

Table B-4 Thread Series: Externally Threaded

PIN21	PIN18
C	C
F	F
G	G
H	H
K	K
L	L
M	M
N	N
R	R
S	Q
T	T
U	U
W	W

Table B-5 Thread Series: Internally Threaded

PIN21	PIN18
C	C
D	D
E	E
F	F
G	G
K	S
M	M
T	B

Table B-6 Inch Size: Externally Threaded

PIN21	PIN18
01	060
02	04A
03	034
04	021
A1	073
A2	086
A3	099
A4	112
A5	125
A6	138
A7	151
A8	164
A9	177
AA	190
AB	216
AC	242
AD	250
AE	268
AF	294
AG	312
AH	320

Table B-6 Inch Size: Externally Threaded

PIN21	PIN18
AJ	372
AK	375
AL	438
AM	500
AN	562
AP	625
AR	750
AS	875
B0	A00
B1	A12
B2	A25
B3	A37
B4	A50
B5	A62
B6	A75
B7	A87
C0	B00
C1	B25
C2	B50
C3	B75
D0	C00
D1	C25
D2	C50
D3	C75
E0	D00
E1	D25
E2	D50
E3	D75
F0	E00
F1	E25
F2	E50
F3	E75
G0	F00

Table B-7 Inch Size: Internally Threaded

PIN21	PIN18
01	060
02	04A
03	034
04	021
A1	073
A2	086
A3	099
A4	112
A5	125
A6	138
A7	151
A8	164
A9	177
AA	190
AB	216
AC	242
AD	250
AE	268

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Table B-7 Inch Size: Internally Threaded (Cont'd)

PIN21	PIN18
AF	294
AG	312
AH	320
AJ	372
AK	375
AL	438
AM	050
AN	562
AP	625
AR	750
AS	812
AT	875
AU	938
B0	A00
B1	A12
B2	A25
B3	A37
B4	A50
B5	A62
B6	A75
B7	A87
C0	B00
C1	B25
C2	B50
C3	B75
D0	C00
D1	C25
D2	C50
D3	C75
E0	D00
E1	D25
E2	D50
E3	D75
F0	E00

Table B-8 Metric Size: Externally Threaded

PIN21	PIN18
FA	08A
FB	107
FC	10A
FD	10B
FE	12A
FF	12C
FG	12B
FH	14C
FJ	15A
FK	16C
FL	17A
FM	18C
FN	20C
FP	20E
FQ	22C
FR	24E
FS	25C
FT	27E

Table B-8 Metric Size: Externally Threaded

PIN21	PIN18
FU	30C
FV	30E
FW	33E
FX	35C
FZ	39E
GF	10C
KM	C0N
LM	90N
MA	163
MB	204
MC	224
MD	254
ME	291
MF	305
MG	356
MH	407
MJ	421
MK	481
ML	508
MM	551
MN	06A
MQ	07A
MR	08B
MS	952
MT	10Z
MU	12D
MV	14E
MW	16E
MX	18F
MY	20F
MZ	22F
NM	80N
PM	72N
QM	64N
RM	56M
SM	48L
T2	228
T3	351
T6	631
T8	802
TM	42K
UF	50C
UM	39J
VF	48E
VM	36J
WF	45C
WM	33H
XF	42E
XM	30H
YF	40C
YM	27G
ZF	39G
ZM	24G

Table B-9 Metric Size: Internally Threaded

PIN21	PIN18
AR	33E
BR	33G
CR	33H
DR	36E
ER	36G
FR	39E
GF	10Z
GR	39G
HR	39J
MA	163
MB	204
MC	254
MD	305
ME	356
MF	407
MG	508
MH	06A
MJ	10C
ML	12D
MM	14E
MN	16E
MP	20F
MQ	24G
MR	30H
MS	36J
MT	42K
MU	48L
MV	56M
MW	64N
MX	72N
MY	80N
MZ	90N
RA	224
RB	07A
RC	08A
RD	08B
RE	10A
RF	10B
RG	12B
RH	12C
RJ	14C
RK	16C
RL	18C
RM	18E
RN	18F
RP	20C
RQ	20E
RS	22C
RT	22E
RU	22F
RV	24E
RW	27E
RX	27G
RY	30E
RZ	30G
ZM	C0N

Table B-10 Inch Miniature Screw Size

PIN21	PIN18
X0	030
X1	035
X2	040
X3	045
X4	050
X5	055
X6	060
X7	070
X8	080
X9	090
XA	100
XB	110
XC	120
XD	140

Table B-11 Inch Length: Externally Threaded

PIN21	PIN18
01	062
02	093
03	125
04	156
05	188
06	250
07	312
08	375
09	438
10	500
11	562
12	625
13	688
14	750
15	812
16	875
17	A00
18	A12
19	A25
20	A37
21	A50
22	A62
23	A75
24	A87
25	B00
26	B25
27	B50
28	B75
29	C00
30	C25
31	C50
32	C75
33	D00
34	D25
35	D50
36	D75
37	E00

Table B-11 Inch Length: Externally Threaded

PIN21	PIN18
38	E25
39	E50
40	E75
41	F00
42	F25
43	F50
44	F75
45	G00
46	G25
47	G50
49	H00
50	H50
51	J00
52	J50
53	K00
54	K10
55	K20
56	K30
57	K40
58	K50
59	K60
60	K70
61	K80
62	K90
63	L00

Table B-12 Metric Length: Externally Threaded

PIN21	PIN18
A0	15M
A1	20M
A2	25M
A3	30M
A4	40M
A5	50M
A6	60M
A7	70M
A8	80M
A9	90M
B1	010
B2	012
B3	013
B4	014
B6	016
B7	017
B8	018
B9	019
C0	020
C2	022
C5	025
D0	030
D5	035
E0	040
E5	045

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Table B-12 Metric Length: Externally Threaded (Cont'd)

PIN21	PIN18
F0	050
F5	055
G0	060
G5	065
H0	070
H5	075
I0	080
J0	090
K0	100
K1	110
K2	120
K3	130
K4	140
K5	150
K6	160
K8	180
L0	200
L2	220
L4	240
L6	260
L8	280
M0	300

Table B-13 Inch Miniature Screw Length

PIN21	PIN18
06	250
0N	200
10	500
1N	320
2N	400
3N	600
N0	020
N1	025
N2	032
N3	040
N4	050
N5	060
N6	080
N7	100
N8	120
N9	160

Table B-14 Length: Internally Threaded

PIN21	PIN18
10	10X
15	15X
20	20X
25	25X
30	30X
NN	000

Table B-15 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
009	094
012	125
015	156
018	188
021	219
025	250
028	281
031	312
034	344
037	375
040	406
043	438

Table B-16 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	031
006	062
009	094
012	125
015	156
018	188
025	250
028	281
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
200	B00
225	B25
250	B50
275	B75
300	C00

Table B-17 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0006NN	06Z000
0008NN	08Z000
0010NN	10Z000
0012NN	12Z000
0014NN	14Z000
0100NN	010000
0125NN	012000
0150NN	015000
0175NN	017000
0200NN	020000
0250NN	025000
0300NN	030000
0350NN	035000
0400NN	040000
0500NN	050000
0600NN	060000
0700NN	070000
0800NN	080000
0900NN	090000
1000NN	100000
1200NN	120000
1400NN	140000
1600NN	160000
1800NN	180000

Table B-18 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0100NN	010000
0125NN	012000
0150NN	015000
0175NN	017000
0200NN	020000
0300NN	030000
0350NN	035000
0375NN	375000
0400NN	040000
0500NN	050000
0600NN	060000
0700NN	070000
0800NN	080000
0900NN	090000
1000NN	100000
1200NN	120000
1400NN	140000
1600NN	160000
1800NN	180000
2000NN	200000

Table B-19 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
005	055
006	060

Table B-20 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00

Table B-21 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
004	040
005	050
006	060
007	070
008	080
010	100
011	110
012	120
013	130
014	140

Table B-22 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
012	125
018	188
025	250
031	312

Table B-22 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
043	138
050	500
056	562
062	625
068	688
075	750
081	812
087	875
100	A00

Table B-23 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
050	500
062	625
075	750
087	875
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75

Table B-24 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
010	A10
012	A25
013	A37
015	A50
016	A62
017	A75
018	A87
020	B00
022	B25
023	B37
025	B50
026	B62
027	B75
028	B87
030	C00
032	C25
033	C75
035	C50
036	C62
037	C75
038	C87

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Table B-24 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
040	D00
042	D25
043	D37
045	D50
046	D62
047	D75
048	D87
050	E00
052	E25
053	E37
055	E50
057	E62
058	E87
060	F00
062	F25
063	F37
065	F50
066	F62
067	F75
068	F87
070	G00
072	G25
073	G37
075	G50
076	G62
077	G75
078	G87
080	H00
082	H25
083	H37
085	H50
086	H62
087	H75
088	H87

Table B-25 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
010	10M
012	12M
014	14M
016	16M
020	20M
025	25M
030	30M
035	35M
040	40M
050	50M
060	60M
070	70M
080	80M
090	90M
100	010
110	011
120	012

Table B-26 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
002	20M
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
015	015
018	018
020	020
022	022
025	025
028	028
030	030
032	032
035	035
038	038
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
110	110
120	120

Table B-27 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0050NN	500000
0062NN	625000
0075NN	750000
0087NN	875000
0100NN	A00000
0112NN	A12000
0125NN	A25000
0137NN	A37000
0150NN	A50000

Table B-28 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	061
008	089
009	099
012	123
014	146
018	188
021	217
025	252
031	310

Table B-29 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671

Table B-29 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-30 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	061
008	089
012	123
014	146
018	188

Table B-31 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250

Table B-31 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-32 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
014	146
018	188
025	252

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Table B-33 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-33 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
096	968
098	984
100	A00

Table B-34 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
014	146
018	188

Table B-35 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578

Table B-35 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-36 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	089
012	123
014	146
018	188
021	217
025	252

Table B-37 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140

Table B-37 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-38 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	089
012	123
014	146
018	188
021	217
025	252

Table B-39 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718

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Table B-39 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-40 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
009	092
012	125
014	146
015	152
018	188
019	190

Table B-41 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281

Table B-41 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968
098	984
100	A00

Table B-42 Dims/Other Characteristics—Nonthreaded

PIN21	PIN18
009	092
012	125
015	152
019	190

Table B-43 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
010	109
012	125
014	140
015	156
017	171
018	187
020	203
021	218
023	234
025	250
026	265
028	281
029	296
031	312
032	328
034	343
035	359
037	375
039	390
040	406
042	421
043	437
045	453
046	468
048	484
050	500
051	515
053	531
054	546
056	562
057	578
059	593
060	609
062	625
064	640
065	656
067	671
068	687
070	703
071	718
073	734
075	750
076	765
078	781
079	796
081	812
082	828
084	843
085	859
087	875
089	890
090	906
092	921
093	937
095	953
096	968

Table B-43 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
098	984
100	A00

Table B-44 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
092	092
123	123
125	125
146	146
152	152
188	188
190	190

Table B-45 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
250	250
281	281
312	312
328	328
344	344
359	359
375	375
422	422

Table B-46 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	031
004	047
006	062
007	078
009	094
010	109
012	120
014	141
015	156
018	188
021	219
025	250

Table B-46 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
031	312
037	375
043	438
050	500
062	625
075	750

Table B-47 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
050	500
075	750
100	A00
150	A50
200	B00
250	B50
300	C00
350	C35
400	D00
500	E00
600	F00

Table B-48 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
010	A00
018	188
025	250
031	312
037	375
043	438
050	500
062	625
075	750
087	875

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Table B-49 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
058	580
077	770
094	940
106	A06
119	A19
136	A36
161	A61
191	A91
216	B16
241	B41

Table B-50 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	094
010	109
012	125
014	145
015	156
017	172
019	193
021	219
025	250
028	289
034	341
040	409
049	492
059	591
070	706
086	860
103	A03
124	A24
152	A52

Table B-51 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
002	250
003	375
005	500
006	625
007	750
008	875
010	A00
012	A25

Table B-51 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	A50
017	A75
020	B00
022	B25
025	B50
027	B75
030	C00
032	C25
035	C50
037	C75
040	D00
042	D25
045	D50
047	D75
050	E00
052	E25
055	E50
057	E75
060	F00
062	F25
065	F50
067	F75
070	G00
072	G25
075	G50
077	G75
080	H00
082	H25
085	H50
087	H75
090	J00
092	J25
095	J50
097	J75
100	K00
102	K02
105	K02
107	K07
110	K10
112	K12
115	K15
117	K17
120	K20
122	K22
125	K25
127	K27
131	K30

Table B-52 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093

Table B-52 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	125
015	156
018	188
025	250
031	312
037	375
043	438
050	500
062	625
075	750
100	A00

Table B-53 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
018	188
025	250
031	312
037	375
050	500
062	625
075	750
087	875
100	A00
125	A25
150	A50
175	A75
200	B00
225	B25
250	B50
300	C00
400	D00
450	D50
500	E00
550	E50
600	F00

Table B-54 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
012	125
015	156
018	188
025	250

Table B-54 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
031	312
037	375
043	438
050	500
062	625
075	750
100	A00

Table B-55 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
018	188
025	250
031	312
037	375
050	500
062	625
075	750
087	875
100	A00
125	A25
150	A50
175	A75
200	B00
225	B25
250	B50
300	C00
400	D00
450	D50
500	E00
550	E50
600	F00

Table B-56 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	093
012	125
015	156
018	187
025	250
031	312
037	375

Table B-57 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	687
075	750
081	812
087	875
093	937
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
200	B00
225	B25
250	B50
300	C00

Table B-58 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
009	093
010	109
012	125
015	156
018	188
021	218
025	250
031	312
037	375
043	438
050	500
062	625
075	750
087	875
100	A00

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Table B-59 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
200	B00
225	B25
250	B50
300	C00

Table B-60 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
009	093
010	109
012	125
015	156
018	188
021	218
025	250
031	312
037	375
043	438
050	500
062	625
075	750
100	A00

Table B-61 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
200	B00
225	B25
250	B50
300	C00

Table B-62 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	031
004	046
006	062
007	078
009	093
010	109
012	125
015	156
018	188
021	218
025	250
031	312
037	375
043	438
050	500

Table B-63 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	125
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
075	750
087	875
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
187	A87
200	B00
212	B12
225	B25
250	B50
275	B75
300	C00
325	C25
350	C50
375	C75
400	D00
425	D25
450	D50

Table B-64 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	031
004	046
006	062
007	078
009	093
010	109
012	125
015	156
018	188
021	218
025	250
031	312
037	375
043	438
050	500

Table B-65 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	125
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
075	750
087	875
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
187	A87
200	B00
212	B12
225	B25
250	B50
275	B75
300	C00
325	C25
350	C50
375	C75
400	D00
425	D25
450	D50

Table B-66 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
067	067
086	086
104	104
120	120
136	136
144	144
161	161
196	196
221	221
250	250

Table B-67 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
125	125
187	188
250	250
312	312
375	375
500	500
625	625
750	750

Table B-68 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
156	156
187	188
250	250
312	312
359	359
500	500

Table B-69 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
075	750
087	875
100	A00
112	A12
125	A25
150	A50
175	A75
200	B00
225	B25
250	B50
275	B75
300	C00

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Table B-70 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	062
007	078
009	094
012	125
014	141
015	156
018	188
021	219
025	250
031	312
037	375
043	438
050	500
062	625
075	750

Table B-71 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	125
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00
112	A12
125	A25
137	A37
150	A50
162	A62
175	A75
187	A87
200	B00
225	B25
250	B50
275	B75
300	C00
325	C25
350	C50
375	C75
400	D00
425	D25
450	D50
475	D75

Table B-71 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
500	E00
525	E25
550	E50
575	E75
600	F00

Table B-72 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	031
004	047
006	062
007	078
009	094
010	109
012	125
015	156
018	188
021	219
025	250
031	312
037	375
043	438
050	500
062	625
075	750

Table B-73 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	125
018	188
025	250
031	312
037	375
043	438
050	500
056	562
062	625
068	688
075	750
081	812
087	875
093	938
100	A00
112	A12
125	A25

Table B-73 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
137	A37
150	A50
162	A62
175	A75
187	A87
200	B00
225	B25
250	B50
275	B75
300	C00
325	C25
350	C50
375	C75
400	D00
425	D25
450	D50
475	D75
500	E00
525	E25
550	E50
575	E75
600	F00

Table B-74 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	08M
010	10M
012	12M
015	15M
020	20M
025	25M
030	30M
035	35M
040	40M
050	50M
060	60M
080	80M
100	010
120	012
140	014
160	016
200	020

Table B-75 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
120	120
140	140
160	160
180	180
200	200

Table B-76 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	15M
020	20M
025	25M
030	30M
040	40M
050	50M
060	60M
080	80M
100	010
120	012

Table B-77 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100

Table B-78 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	15M
020	20M
025	25M
030	30M
040	40M
050	50M
060	60M
080	80M
100	010
120	012
160	016
200	020
250	025

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Table B-79 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	60M
008	80M
010	010
012	012
016	016
020	020
025	025
030	030
035	035
040	040
045	045
050	050
060	060
070	070
080	080
090	090
100	100
110	110
120	120
130	130
140	140
150	150

Table B-80 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	06M
008	08M
010	10M
012	12M
016	16M
020	20M
025	25M
032	32M
040	40M
050	50M
063	63M
080	80M
100	010
130	013
160	016
200	020

Table B-81 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	80M
012	012
016	016
022	022
028	028
036	036
045	045
056	056
063	063
080	080
090	090
100	100
112	112
125	125
140	140
160	160
180	180
200	200

Table B-82 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
027	027
030	030
033	033
036	036
040	040
045	045
050	050
055	055
060	060
070	070
080	080
090	090
100	100

Table B-83 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
120	120
140	140
160	160
180	180
220	220
240	240
260	260
280	280
300	300

Table B-84 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024

Table B-84 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
027	027
030	030
033	033
036	036
040	040
045	045
050	050
055	055
060	060
070	070
080	080
090	090
100	100

Table B-85 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
120	120
140	140
160	160
180	180
220	220
240	240
260	260
280	280
300	300

Table B-86 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
027	027
030	030
033	033
036	036
040	040
045	045
050	050
055	055
060	060
070	070
080	080
090	090
100	100

Table B-87 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075

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Table B-87 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
080	080
085	085
090	090
095	095
100	100
120	120
140	140
160	160
180	180
220	220
240	240
260	260
280	280
300	300

Table B-88 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
027	027
030	030
033	033
036	036
040	040
045	045
050	050
055	055
060	060
070	070
080	080
090	090
100	100

Table B-89 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
120	120
140	140
160	160
180	180
220	220
240	240
260	260
280	280
300	300

Table B-90 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	15M
020	20M
025	25M
030	30M
040	40M
050	50M
060	60M
080	80M
100	010
120	012

Table B-91 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100

Table B-92 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
015	15M
020	20M
025	25M
030	30M
040	40M
050	50M
060	60M
080	80M
100	010
120	012

Table B-93 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
008	80M
010	010

Table B-93 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
012	012
014	014
016	016
018	018
020	020
022	022
024	024
026	026
028	028
030	030
032	032
035	035
040	040
045	045
050	050
055	055
060	060
065	065
070	070
075	075
080	080
085	085
090	090
095	095
100	100
110	110
120	120

Table B-94 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
014	14M
016	16M
020	20M
025	25M
030	30M
040	40M
050	50M
060	60M
080	80M
100	010
120	012

Table B-95 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
003	30M
004	40M
005	50M
006	60M
008	80M
010	010
012	012
016	016
020	020
025	025
030	030
035	035
040	040

Table B-96 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0008NN	086000
0009NN	099000
0011NN	112000
0012NN	125000
0013NN	138000
0016NN	164000
0019NN	190000
0021NN	216000
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0056NN	562000
0062NN	625000
0068NN	688000
0075NN	750000
0081NN	812000
0087NN	875000
0093NN	938000
0100NN	A00000
0106NN	A06000
0112NN	A12000
0118NN	A18000
0125NN	A25000
1312NN	A31000
1375NN	A37000
1437NN	A43000
1500NN	A50000
1625NN	A62000
1750NN	A75000
1875NN	A87000
2000NN	B00000
2250NN	B25000
2500NN	B50000
2750NN	B75000
3000NN	C00000

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Table B-97 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
0011NN	112000
0012NN	125000
0013NN	138000
0016NN	164000
0019NN	190000
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0062NN	625000
0075NN	750000
0087NN	875000
0100NN	A00000
0112NN	A12000
0125NN	A25000
1375NN	A37000
1500NN	A50000
1750NN	A75000
2000NN	B00000
2250NN	B25000
2500NN	B50000
2750NN	B75000
3000NN	C00000

Table B-98 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0008NN	086000
0009NN	099000
0011NN	112000
0012NN	125000
0013NN	138000
0016NN	164000
0019NN	190000
0021NN	216000
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0056NN	562000
0062NN	625000
0068NN	688000
0075NN	750000
0081NN	812000
0087NN	875000
0100NN	A00000
0112NN	A12000
0125NN	A25000

Table B-99 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0056NN	562000
0062NN	625000
0075NN	750000
0087NN	875000

Table B-100 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0011NN	112000
0013NN	138000
0016NN	164000
0019NN	190000
0021NN	216000
0025NN	250000
0026NN	268000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000

Table B-101 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0011NN	112000
0013NN	138000
0016NN	164000
0019NN	190000
0021NN	216000
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0056NN	562000
0062NN	625000

Table B-102 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0011NN	112000
0012NN	125000
0013NN	138000
0016NN	164000
0019NN	190000
0021NN	216000
0025NN	250000
0031NN	312000
0037NN	375000
0043NN	438000
0050NN	500000
0056NN	562000
0062NN	625000
0068NN	688000
0075NN	750000
0081NN	812000
0087NN	875000
0100NN	A00000

Table B-103 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0020NN	20M000
0025NN	25M000
0030NN	30M000
0035NN	35M000
0040NN	40M000
0050NN	50M000
0060NN	60M000
0080NN	80M000
0100NN	010000
0120NN	012000
0140NN	014000
0160NN	016000
0200NN	020000
0240NN	024000
0300NN	030000
0360NN	036000

Table B-104 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0022NN	22M000
0025NN	25M000
0029NN	29M000
0030NN	30M000
0035NN	35M000

Table B-104 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0040NN	40M000
0042NN	42M000
0048NN	48M000
0050NN	50M000
0055NN	55M000
0060NN	60M000
0063NN	63M000
0080NN	80M000
0095NN	95M000
0100NN	010000
0120NN	012000
0140NN	014000
0160NN	016000
0200NN	020000
0240NN	024000
0300NN	030000

Table B-105 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0060NN	60M000
0080NN	80M000
0100NN	010000
0120NN	012000
0140NN	014000
0160NN	016000
0200NN	020000

Table B-106 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0022NN	22M000
0025NN	25M000
0029NN	29M000
0030NN	30M000
0035NN	35M000
0040NN	40M000
0042NN	42M000
0048NN	48M000
0050NN	50M000
0055NN	55M000
0060NN	60M000
0063NN	63M000
0080NN	80M000
0095NN	95M000
0100NN	010000
0120NN	012000

Table B-107 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0029NN	29M000
0030NN	30M000
0035NN	35M000
0040NN	40M000
0042NN	42M000
0048NN	48M000
0050NN	50M000
0055NN	55M000
0060NN	60M000
0063NN	63M000
0080NN	80M000
0095NN	95M000
0100NN	010000
0120NN	012000
0140NN	014000
0160NN	016000

Table B-108 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0022NN	22M000
0025NN	25M000
0029NN	29M000
0030NN	30M000
0035NN	35M000
0040NN	40M000
0042NN	42M000
0048NN	48M000
0050NN	50M000
0055NN	55M000
0060NN	60M000
0063NN	63M000
0080NN	80M000
0095NN	95M000
0100NN	010000
0120NN	012000
0140NN	014000
0160NN	016000
0200NN	020000
0240NN	024000
0300NN	030000

Table B-109 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
N016HN	01N000
N016SN	01N000

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Table B-109 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
N020HN	02N000
N020SN	02N000
N025HN	2BN000
N025SN	2BN000
N030HN	03N000
N030SN	03N000
N035HN	3CN000
N035SN	3CN000
N040HN	04N000
N040SN	04N000
N050HN	05N000
N050SN	05N000
N060HN	06N000
N060SN	06N000
N080HN	08N000
N080SN	08N000
N100HN	10N000
N100SN	10N000
N120HN	12N000
N120SN	12N000
N140HN	14N000
N140SN	14N000
N160HN	16N000
N160SN	16N000
N200HN	20N000
N200SN	20N000
N240HN	24N000
N240SN	24N000
N300HN	30N000
N300SN	30N000
N360HN	36N000
N360SN	36N000
R016HN	01R000
R016SN	01R000
R020HN	02R000
R020SN	02R000
R025HN	2BR000
R025SN	2BR000
R030HN	03R000
R030SN	03R000
R035HN	3CR000
R035SN	3CR000
R040HN	04R000
R040SN	04R000
R050HN	05R000
R050SN	05R000
R060HN	06R000
R060SN	06R000
R080HN	08R000
R080SN	08R000
R100HN	10R000
R100SN	10R000
R120HN	12R000
R120SN	12R000
R140HN	14R000
R140SN	14R000
R160HN	16R000
R160SN	16R000
R200HN	20R000

Table B-109 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
R200SN	20R000
R240HN	24R000
R240SN	24R000
R300HN	30R000
R300SN	30R000
R360HN	36R000
R360SN	36R000
W016HN	01W000
W016SN	01W000
W020HN	02W000
W020SN	02W000
W025HN	2BW000
W025SN	2BW000
W030HN	03W000
W030SN	03W000
W035HN	3CW000
W035SN	3CW000
W040HN	04W000
W040SN	04W000
W050HN	05W000
W050SN	05W000
W060HN	06W000
W060SN	06W000
W080HN	08W000
W080SN	08W000
W100HN	10W000
W100SN	10W000
W120HN	12W000
W120SN	12W000
W140HN	14W000
W140SN	14W000
W160HN	16W000
W160SN	16W000
W200HN	20W000
W200SN	20W000
W240HN	24W000
W240SN	24W000
W300HN	30W000
W300SN	30W000
W360HN	36W000
W360SN	36W000

Table B-110 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0013HN	138000
0013SN	138000
0016HN	164000
0016SN	164000
0018HN	188000
0018SN	188000
0019HN	190000
0019SN	190000

Table B-110 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0021HN	216000
0021SN	216000
0162HN	A62000
0162SN	A62000
0175HN	A75000
0175SN	A75000
0187HN	A87000
0187SN	A87000
0200HN	B00000
0200SN	B00000
0225HN	B25000
0225SN	B25000
0250HN	B50000
0250SN	B50000
0275HN	B75000
0275SN	B75000
0300HN	C00000
0300SN	C00000
N025HN	25N000
N025SN	25N000
N031HN	31N000
N031SN	31N000
N037HN	37N000
N037SN	37N000
N043HN	43N000
N043SN	43N000
N050HN	50N000
N050SN	50N000
N056HN	56N000
N056SN	56N000
N062HN	62N000
N062SN	62N000
N075HN	75N000
N075SN	75N000
N087HN	87N000
N087SN	87N000
N100HN	A0N000
N100SN	A0N000
N112HN	A1N000
N112SN	A1N000
N125HN	A2N000
N125SN	A2N000
N137HN	A3N000
N137SN	A3N000
N150HN	A5N000
N150SN	A5N000
W025HN	25W000
W025SN	25W000
W031HN	31W000
W031SN	31W000
W037HN	37W000
W037SN	37W000
W043HN	43W000
W043SN	43W000
W050HN	50W000
W050SN	50W000
W056HN	56W000
W056SN	56W000
W062HN	62W000

Table B-110 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
W062SN	62W000
W075HN	75W000
W075SN	75W000
W087HN	87W000
W087SN	87W000
W100HN	A0W000
W100SN	A0W000
W112HN	A1W000
W112SN	A1W000
W125HN	A2W000
W125SN	A2W000
W137HN	A3W000
W137SN	A3W000
W150HN	A5W000
W150SN	A5W000

Table B-111 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0009NN	094000
0012NN	125000
0015NN	156000
0017NN	172000
0018NN	188000
0020NN	203000
0021NN	219000
0023NN	234000
0025NN	250000
0026NN	266000
0031NN	312000
0037NN	37A000
0043NN	43A000
0050NN	50A000
0056NN	56A000
0062NN	62A000
0068NN	68A000
0081NN	81A000
0093NN	93A000
0106NN	A0A000
0125NN	A25000
0137NN	A37000
0150NN	A50000
0162NN	A62000
0168NN	A68000
0181NN	A81000
0193NN	A93000
0206NN	B06000
B037NN	37B000
B043NN	43B000
B050NN	50B000
B056NN	56B000
B062NN	62B000
B068NN	68B000

Table B-111 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
B081NN	81B000
B093NN	93B000
B106NN	A0B000

Table B-112 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
N006NN	06N000
N007NN	07N000
N008NN	08N000
N009NN	09N000
N011NN	11N000
N012NN	12N000
N013NN	13N000
N016NN	16N000
N019NN	19N000
N021NN	21N000
N025NN	25N000
N031NN	31N000
N037NN	37N000
N043NN	43N000
N050NN	50N000
N056NN	56N000
N062NN	62N000
N075NN	75N000
N087NN	87N000
N100NN	A0N000
N112NN	A1N000
N125NN	A2N000
N137NN	A3N000
N150NN	A5N000
N162NN	A6N000
N175NN	A7N000
N187NN	A8N000
N200NN	B0N000
N225NN	B2N000
N250NN	B5N000
N275NN	B7N000
N300NN	C0N000
R006NN	06R000
R007NN	07R000
R008NN	08R000
R009NN	09R000
R011NN	11R000
R012NN	12R000
R013NN	13R000
R016NN	16R000
R019NN	19R000
R021NN	21R000
R025NN	25R000
R031NN	31R000
R037NN	37R000
R043NN	43R000

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Table B-112 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
R050NN	50R000
R056NN	56R000
R062NN	62R000
R075NN	75R000
R087NN	87R000
R100NN	A0R000
R112NN	A1R000
R125NN	A2R000
R137NN	A3R000
R150NN	A5R000
R162NN	A6R000
R175NN	A7R000
R187NN	A8R000
R200NN	B0R000
R225NN	B2R000
R250NN	B5R000
R275NN	B7R000
R300NN	C0R000
W006NN	06W000
W007NN	07W000
W008NN	08W000
W009NN	09W000
W011NN	11W000
W012NN	12W000
W013NN	13W000
W016NN	16W000
W019NN	19W000
W021NN	21W000
W025NN	25W000
W031NN	31W000
W037NN	37W000
W043NN	43W000
W050NN	50W000
W056NN	56W000
W062NN	62W000
W075NN	75W000
W087NN	87W000
W100NN	A0W000
W112NN	A1W000
W125NN	A2W000
W137NN	A3W000
W150NN	A5W000
W162NN	A6W000
W175NN	A7W000
W187NN	A8W000
W200NN	B0W000
W225NN	B2W000
W250NN	B5W000
W275NN	B7W000
W300NN	C0W000

Table B-113 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
002	022
003	033
004	044
005	055
006	066
008	085
010	106
012	126
014	146
016	167
018	187
020	208
022	226
025	259
028	281
032	321
036	361
040	402
045	452
050	502
056	563
063	633
070	703
080	804
090	904
100	C05
B05	053
B06	064
B08	087
B10	108
B12	128
B14	149
B16	161
B18	181
B20	201
B22	221
B25	251
B28	281
B32	321
B36	362

Table B-114 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022

Table B-114 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
025	025
028	028
032	032
036	036
040	040
045	045
050	050
056	056
063	063
070	070
080	080
090	090
100	100
110	110
125	125
140	140
150	150
180	180
200	200
220	220
250	250
280	280
320	320
360	360
400	400

Table B-115 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
010014	101
015026	152
020026	202
020037	203
025037	253
030050	305
030065	306
040065	406
040075	407
050065	506
050075	507
050090	509
060090	609
060100	60K
080110	80L
100130	K0P

Table B-116 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
002	022
003	033
004	044
005	055
006	066
008	085
010	106
012	126
014	146
016	167
018	187
020	208
022	226
025	259
028	281
032	321
036	361
040	402
045	452
050	502
056	563
063	633
070	703
080	804
090	904
100	C05
B05	053
B06	064
B08	087
B10	108
B12	128
B14	149
B16	161
B18	181
B20	201
B22	221
B25	251
B28	281
B32	321
B36	362

Table B-117 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
006	60M
008	80M
010	010
012	012
014	014
016	016
018	018
020	020
022	022

Table B-117 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
025	025
028	028
032	032
036	036
045	045
050	050
056	056
063	063
070	070
080	080
090	090
100	100
110	110
125	125
140	140
160	160
180	180
200	200
220	220
250	250
280	280
320	320
360	360
400	400

Table B-118 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0012NN	012000
0015NN	015000
0018NN	018000
0019NN	019000
0021NN	021000
0023NN	023000
0025NN	025000
0027NN	027000
0028NN	028000
0031NN	031000
0034NN	034000
0035NN	035000
0037NN	037000
0039NN	039000
0040NN	040000
0043NN	043000
0046NN	046000
0050NN	050000
0055NN	055000
0056NN	056000
0059NN	059000
0062NN	062000
0066NN	066000
0068NN	068000
0075NN	075000

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Table B-118 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
0078NN	078000
0081NN	081000
0084NN	084000
0087NN	087000
0093NN	093000
0098NN	098000
0100NN	100000
0102NN	102000
0106NN	106000
0112NN	112000
0118NN	118000
0125NN	125000
0131NN	131000
0137NN	137000
0143NN	143000
0150NN	150000
0156NN	156000
0162NN	162000
0168NN	168000
0175NN	175000
0177NN	177000
0181NN	181000
0187NN	187000
0196NN	196000
0200NN	200000
0206NN	206000
0212NN	212000
0215NN	215000
0225NN	225000
0231NN	231000
0237NN	237000
0243NN	243000
0250NN	250000
0255NN	255000
0262NN	262000
0268NN	268000
0275NN	275000
0287NN	287000
0293NN	293000
0300NN	300000
0306NN	306000
0312NN	312000
0315NN	315000
0325NN	325000
0334NN	334000
0343NN	343000
0350NN	350000
0354NN	354000
0362NN	362000
0368NN	368000
0375NN	375000
0387NN	387000
0393NN	393000
0400NN	400000
0425NN	425000
0437NN	437000
0450NN	450000
0475NN	475000

Table B-118 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0500NN	500000
0525NN	525000
0550NN	550000
0575NN	575000
0600NN	600000
0625NN	625000
0650NN	650000
0675NN	675000
0700NN	700000
0725NN	725000
0750NN	750000
0775NN	775000
0800NN	800000
0825NN	825000
0850NN	850000
0875NN	875000
0900NN	900000
0925NN	925000
0950NN	950000
0975NN	975000
1000NN	M00000

Table B-119 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0025NN	025000
0031NN	031000
0037NN	037000
0043NN	043000
0045NN	045000
0050NN	050000
0051NN	051000
0056NN	056000
0062NN	062000
0068NN	068000
0075NN	075000
0077NN	077000
0081NN	081000
0086NN	086000
0087NN	087000
0090NN	090000
0093NN	093000
0100NN	100000
0102NN	102000
0106NN	106000
0112NN	112000
0118NN	118000
0125NN	125000
0131NN	131000
0137NN	137000
0143NN	143000
0145NN	145000
0150NN	150000
0156NN	156000

Table B-119 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0162NN	162000
0165NN	165000
0168NN	168000
0175NN	175000
0181NN	181000
0185NN	185000
0187NN	187000
0193NN	193000
0200NN	200000
0206NN	206000
0212NN	212000
0218NN	218000
0225NN	225000
0231NN	231000
0237NN	237000
0244NN	244000
0250NN	250000
0256NN	256000
0262NN	262000
0268NN	268000
0275NN	275000
0281NN	281000
0287NN	287000
0300NN	300000
0306NN	306000
0312NN	312000
0315NN	315000
0325NN	325000
0334NN	334000
0347NN	346000
0350NN	350000
0354NN	354000
0362NN	362000
0375NN	375000
0387NN	387000
0393NN	393000
0400NN	400000
0412NN	412000
0425NN	425000
0433NN	433000
0450NN	450000
0462NN	462000
0475NN	475000
0500NN	500000
0525NN	525000
0537NN	537000
0550NN	550000
0575NN	575000
0600NN	600000
0625NN	625000
0650NN	650000
0662NN	662000
0675NN	675000
0700NN	700000
0725NN	725000
0750NN	750000
0775NN	775000
0800NN	800000
0825NN	825000

Table B-119 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0850NN	850000
0875NN	875000
0900NN	900000
0925NN	925000
0950NN	950000
0975NN	975000
1000NN	M00000

Table B-120 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0004NN	004000
0006NN	006000
0009NN	009000
0012NN	012000
0014NN	014000
0015NN	015000
0018NN	018000
0025NN	025000
0037NN	037000
0043NN	043000
0050NN	050000
0062NN	062000
0075NN	075000
0087NN	087000
S006NN	0S6000
S009NN	0S9000
S011NN	S11000
S012NN	S12000
S014NN	S14000
S015NN	S15000
S017NN	S17000
S018NN	S18000
S021NN	S21000
S031NN	S31000
S037NN	S37000
S043NN	S43000
S075NN	S75000
S098NN	S98000
S118NN	SA1000
S137NN	SA3000
Y006NN	0Y6000
Y014NN	Y14000
Y018NN	Y18000
Y031NN	Y31000

Table B-121 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0039NN	039000
0042NN	042000
0047NN	047000
0050NN	050000
0059NN	059000
0062NN	062000
0066NN	066000
0075NN	075000
0087NN	087000
0098NN	098000
0106NN	106000
0112NN	112000
0118NN	118000
0125NN	125000
0131NN	131000
0137NN	137000
0150NN	050000
0156NN	156000
0175NN	175000
0193NN	193000
0200NN	200000

Table B-122 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0009NN	009000
0012NN	012000
0015NN	015000
0018NN	018000
0021NN	021000
0025NN	025000
0031NN	031000
0037NN	037000
0043NN	043000
0050NN	050000
0056NN	056000

Table B-123 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0012NN	012000
0015NN	015000
0018NN	018000
0021NN	021000
0023NN	023000
0025NN	025000
0028NN	028000
0031NN	031000

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Table B-123 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
0037NN	037000
0040NN	040000
0043NN	043000
0050NN	050000
0056NN	056000
0062NN	062000
0068NN	068000
0075NN	075000
0081NN	081000
0087NN	087000
0093NN	093000
0100NN	100000
0112NN	112000
0125NN	125000
0137NN	137000
0150NN	150000
0162NN	162000
0175NN	175000
0200NN	200000

Table B-124 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0050NN	500000
0053NN	531000
0055NN	551000
0056NN	562000
0059NN	594000
0062NN	625000
0065NN	656000
0066NN	669000
0068NN	687000
0071NN	718000
0075NN	750000
0078NN	781000
0081NN	812000
0084NN	843000
0087NN	875000
0090NN	906000
0093NN	937000
0096NN	968000
0098NN	984000
0100NN	A00000
0102NN	A02000
0103NN	A03000
0106NN	A06000
0109NN	A09000
0112NN	A12000
0115NN	A15000
0118NN	A18000
0121NN	A21000
0125NN	A25000
0128NN	A28000

Table B-124 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0131NN	A31000
0134NN	A34000
0137NN	A37000
0140NN	A40000
0143NN	A43000
0146NN	A46000
0150NN	A50000
0156NN	A56000
0157NN	A57000
0162NN	A62000
0168NN	A68000
0175NN	A75000
0177NN	A77000
0181NN	A81000
0187NN	A87000
0193NN	A93000
0196NN	A96000
0200NN	B00000
0206NN	B06000
0212NN	B12000
0213NN	B13000
0215NN	B15000
0216NN	B16000
0218NN	B18000
0225NN	B25000
0236NN	B36000
0237NN	B37000
0243NN	B43000
0250NN	B50000
0255NN	B55000
0256NN	B56000
0262NN	B62000
0268NN	B68000
0275NN	B75000
0281NN	B81000
0287NN	B87000
0293NN	B93000
0295NN	B95000
0300NN	C00000
0306NN	C06000
0312NN	C12000
0314NN	C14000
0318NN	C18000
0325NN	C25000
0331NN	C31000
0334NN	C34000
0337NN	C37000
0343NN	C43000
0350NN	C50000
0354NN	C54000
0356NN	C56000
0362NN	C62000
0368NN	C68000
0374NN	C74000
0375NN	C75000
0381NN	C81000
0387NN	C87000
0393NN	C93000
0400NN	D00000

Table B-124 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0406NN	D06000
0412NN	D12000
0413NN	D13000
0418NN	D18000
0425NN	D25000
0431NN	D31000
0433NN	D33000
0437NN	D37000
0443NN	D43000
0450NN	D50000
0456NN	D56000
0462NN	D62000
0468NN	D68000
0472NN	D72000
0475NN	D75000
0481NN	D81000
0487NN	D87000
0493NN	D93000
0500NN	E00000
0511NN	E11000
0512NN	E12000
0525NN	E25000
0537NN	E37000
0550NN	E50000
0551NN	E51000
0562NN	E62000
0575NN	E75000
0587NN	E87000
0590NN	E90000
0600NN	F00000
0612NN	F12000
0625NN	F25000
0629NN	F29000
0637NN	F37000
0650NN	F50000
0662NN	F62000
0675NN	F75000
0687NN	F87000
0700NN	G00000
0712NN	G12000
0725NN	G25000
0737NN	G37000
0750NN	G50000
0762NN	G62000
0775NN	G75000
0787NN	G87000
0800NN	H00000
0825NN	H25000
0850NN	H50000
0875NN	H75000
0900NN	J00000
0925NN	J25000
0950NN	J50000
0975NN	J75000
1000NN	K00000
1025NN	K02000
1050NN	K05000
1075NN	K07000
1100NN	K10000

Table B-125 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0046NN	469000
0050NN	500000
0055NN	551000
0056NN	562000
0059NN	594000
0062NN	625000
0066NN	669000
0068NN	688000
0075NN	750000
0078NN	781000
0081NN	812000
0087NN	875000
0093NN	938000
0098NN	984000
0100NN	A00000
0102NN	A02000
0106NN	A06000
0112NN	A12000
0118NN	A18000
0125NN	A25000
0131NN	A31000
0137NN	A37000
0143NN	A43000
0150NN	A50000
0156NN	A56000
0162NN	A62000
0168NN	A68000
0175NN	A75000
0177NN	A77000
0181NN	A81000
0187NN	A87000
0196NN	A96000
0200NN	B00000
0206NN	B06000
0212NN	B12000
0215NN	B15000
0225NN	B25000
0231NN	B31000
0237NN	B37000
0243NN	B43000
0250NN	B50000
0255NN	B55000
0262NN	B62000
0268NN	B68000
0275NN	B75000
0287NN	B87000
0293NN	B93000
0300NN	C00000
0306NN	C06000
0312NN	C12000
0315NN	C15000
0325NN	C25000
0334NN	C34000
0343NN	C43000
0350NN	C50000
0354NN	C54000
0362NN	C62000
0368NN	C68000
0375NN	C75000

Table B-125 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0387NN	C87000
0393NN	C93000
0400NN	D00000
0425NN	D25000
0437NN	D37000
0450NN	D50000
0475NN	D75000
0500NN	E00000
0525NN	E25000
0550NN	E50000
0575NN	E75000
0600NN	F00000
0625NN	F25000
0650NN	F50000
0675NN	F75000
0700NN	G00000
0725NN	G25000
0750NN	G50000
0775NN	G75000
0800NN	H00000
0825NN	H25000
0850NN	H50000
0875NN	H75000
0900NN	J00000
0925NN	J25000
0950NN	J50000
0975NN	J75000
1000NN	K00000
1025NN	K02000
1050NN	K05000
1075NN	K07000
1100NN	K10000
1125NN	K12000
1150NN	K15000
1175NN	K17000
1200NN	K20000
1225NN	K22000
1250NN	K25000
1275NN	K27000
1300NN	K30000
1325NN	K32000
1350NN	K35000
1375NN	K37000
1400NN	K40000
1425NN	K42000
1450NN	K45000
1475NN	K47000
1500NN	K50000

Table B-126 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0050NN	500000
0051NN	512000

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Table B-126 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
0053NN	531000
0056NN	562000
0059NN	594000
0062NN	625000
0065NN	656000
0068NN	687000
0071NN	718000
0075NN	750000
0077NN	777000
0078NN	781000
0081NN	812000
0084NN	843000
0086NN	866000
0087NN	875000
0090NN	906000
0093NN	938000
0096NN	968000
0098NN	987000
0100NN	A00000
0102NN	A02000
0103NN	A03000
0106NN	A06000
0109NN	A09000
0112NN	A12000
0115NN	A15000
0118NN	A18000
0121NN	A21000
0125NN	A25000
0128NN	A28000
0131NN	A31000
0134NN	A34000
0137NN	A37000
0140NN	A40000
0143NN	A43000
0145NN	A45000
0146NN	A46000
0150NN	A50000
0156NN	A56000
0157NN	A57000
0162NN	A62000
0165NN	A65000
0168NN	A68000
0175NN	A75000
0181NN	A81000
0185NN	A85000
0187NN	A87000
0193NN	A93000
0200NN	B00000
0204NN	B04000
0206NN	B06000
0212NN	B12000
0216NN	B16000
0218NN	B18000
0225NN	B25000
0231NN	B31000
0237NN	B37000
0243NN	B43000
0244NN	B44000

Table B-126 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0250NN	B50000
0253NN	B53000
0256NN	B56000
0262NN	B62000
0267NN	B67000
0268NN	B68000
0275NN	B75000
0281NN	B81000
0283NN	B83000
0287NN	B87000
0293NN	B93000
0295NN	B95000
0300NN	C00000
0306NN	C06000
0312NN	C12000
0314NN	C14000
0318NN	C18000
0325NN	C25000
0331NN	C31000
0334NN	C34000
0337NN	C37000
0343NN	C43000
0350NN	C50000
0354NN	C54000
0356NN	C56000
0362NN	C62000
0368NN	C68000
0374NN	C74000
0375NN	C75000
0381NN	C81000
0387NN	C87000
0393NN	C93000
0400NN	D00000
0406NN	D06000
0412NN	D12000
0418NN	D18000
0425NN	D25000
0431NN	D31000
0433NN	D33000
0437NN	D37000
0443NN	D43000
0450NN	D50000
0452NN	D52000
0456NN	D56000
0462NN	D62000
0468NN	D68000
0472NN	D72000
0475NN	D75000
0481NN	D81000
0487NN	D87000
0492NN	D92000
0493NN	D93000
0500NN	E00000
0511NN	E11000
0512NN	E12000
0525NN	E25000
0537NN	E37000
0550NN	E50000
0551NN	E51000

Table B-126 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0562NN	E62000
0570NN	E70000
0575NN	E75000
0587NN	E87000
0590NN	E90000
0600NN	F00000
0612NN	F12000
0625NN	F25000
0629NN	F29000
0637NN	F37000
0650NN	F50000
0662NN	F62000
0669NN	F69000
0675NN	F75000
0687NN	F87000
0700NN	G00000
0708NN	G08000
0712NN	G12000
0725NN	G25000
0737NN	G37000
0748NN	G48000
0750NN	G50000
0762NN	G62000
0775NN	G75000
0787NN	G87000
0800NN	H00000
0825NN	H25000
0826NN	H26000
0846NN	H46000
0850NN	H50000
0875NN	H75000
0885NN	H85000
0900NN	J00000
0905NN	J05000
0925NN	J25000
0944NN	J44000
0950NN	J50000
0975NN	J75000
1000NN	K00000
1025NN	K02000
1050NN	K05000
1075NN	K07000
1100NN	K10000

Table B-127 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0050NN	500000
0051NN	512000
0056NN	562000
0062NN	625000
0068NN	688000
0075NN	750000
0077NN	777000

Table B-127 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0081NN	812000
0086NN	866000
0087NN	875000
0090NN	901000
0093NN	938000
0100NN	A00000
0102NN	A02000
0106NN	A06000
0112NN	A12000
0118NN	A18000
0125NN	A25000
0131NN	A31000
0137NN	A37000
0143NN	A43000
0145NN	A45000
0150NN	A50000
0156NN	A56000
0162NN	A62000
0165NN	A65000
0168NN	A68000
0175NN	A75000
0181NN	A81000
0185NN	A85000
0187NN	A87000
0193NN	A93000
0200NN	B00000
0206NN	B06000
0212NN	B12000
0218NN	B18000
0225NN	B25000
0231NN	B31000
0237NN	B37000
0244NN	B44000
0250NN	B50000
0253NN	B53000
0256NN	B56000
0262NN	B62000
0268NN	B68000
0275NN	B75000
0281NN	B81000
0283NN	B83000
0287NN	B87000
0300NN	C00000
0306NN	C06000
0312NN	C12000
0315NN	C15000
0325NN	C25000
0334NN	C34000
0346NN	C46000
0350NN	C50000
0354NN	C54000
0356NN	C56000
0362NN	C62000
0375NN	C75000
0387NN	C87000
0393NN	C93000
0400NN	D00000
0412NN	D12000
0425NN	D25000

Table B-127 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0433NN	D33000
0450NN	D50000
0462NN	D62000
0475NN	D75000
0500NN	E00000
0525NN	E25000
0537NN	E37000
0550NN	E50000
0575NN	E75000
0600NN	F00000
0625NN	F25000
0650NN	F50000
0662NN	F62000
0675NN	F75000
0700NN	G00000
0725NN	G25000
0750NN	G50000
0775NN	G75000
0800NN	H00000
0825NN	H25000
0850NN	H50000
0875NN	H75000
0900NN	J00000
0925NN	J25000
0950NN	J50000
0975NN	J75000
1000NN	K00000
1025NN	K02000
1050NN	K05000
1075NN	K07000
1100NN	K10000
1125NN	K12000
1150NN	K15000
1175NN	K17000
1200NN	K20000
1225NN	K22000
1250NN	K25000
1275NN	K27000
1300NN	K30000
1325NN	K32000
1350NN	K35000
1375NN	K37000
1400NN	K40000
1425NN	K42000
1450NN	K45000
1475NN	K47000
1500NN	K50000

Table B-128 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0004NN	40M000
0005NN	50M000

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Table B-128 Dimensions/Other Characteristics: Nonthreaded (Cont'd)

PIN21	PIN18
0006NN	60M000
0007NN	70M000
0008NN	80M000
0009NN	90M000
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000
0014NN	014000
0015NN	015000
0016NN	016000
0017NN	017000
0018NN	018000
0019NN	019000
0020NN	020000
0021NN	021000
0022NN	022000
0023NN	023000
0024NN	024000
0025NN	025000
0026NN	026000
0027NN	027000
0028NN	028000
0030NN	030000
0032NN	032000
0034NN	034000
0035NN	035000

Table B-129 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0004NN	40M000
0005NN	50M000
0006NN	60M000
0007NN	70M000
0008NN	80M000
0009NN	90M000
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000
0014NN	014000
0015NN	015000
0016NN	016000
0017NN	017000
0018NN	018000
0019NN	019000
0020NN	020000
0021NN	021000
0022NN	022000
0023NN	023000
0024NN	024000
0025NN	025000

Table B-129 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0026NN	026000
0027NN	027000
0028NN	028000
0029NN	029000
0030NN	030000
0032NN	032000
0034NN	034000
0036NN	036000
0038NN	038000
0040NN	040000
0042NN	042000
0043NN	043000
0045NN	045000
0046NN	046000
0048NN	048000
0050NN	050000
0052NN	052000
0054NN	054000
0055NN	055000
0057NN	057000
0058NN	058000
0060NN	060000
0062NN	062000
0065NN	065000
0068NN	068000
0070NN	070000
0072NN	072000
0075NN	075000
0078NN	078000
0080NN	080000
0082NN	082000
0085NN	085000
0088NN	088000
0090NN	090000
0095NN	095000
0100NN	100000

Table B-130 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0001NN	10M000
0002NN	20M000
0003NN	30M000
0004NN	40M000
0005NN	50M000
0006NN	60M000
0007NN	70M000
0008NN	80M000
0009NN	90M000
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000

Table B-130 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0015NN	015000
0016NN	016000
0018NN	018000
0020NN	020000
0022NN	022000
0025NN	025000

Table B-131 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000
0014NN	014000
0015NN	015000
0016NN	016000
0017NN	017000
0018NN	018000
0019NN	019000
0020NN	020000
0022NN	022000
0025NN	025000
0027NN	027000
0028NN	028000
0030NN	030000
0032NN	032000
0035NN	035000
0038NN	038000
0040NN	040000
0045NN	045000
0050NN	050000

Table B-132 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0004NN	40M000
0005NN	50M000
0006NN	60M000
0007NN	70M000
0008NN	80M000
0009NN	90M000
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000
0014NN	014000
0015NN	015000

Table B-133 Dimensions/Other Characteristics: Nonthreaded

PIN21	PIN18
0003NN	30M000
0004NN	40M000
0005NN	50M000
0006NN	60M000
0007NN	70M000
0008NN	80M000
0009NN	90M000
0010NN	010000
0011NN	011000
0012NN	012000
0013NN	013000
0014NN	014000
0015NN	015000
0016NN	016000
0017NN	017000
0018NN	018000
0019NN	019000
0020NN	020000
0022NN	022000
0023NN	023000
0024NN	024000
0025NN	025000
0026NN	026000
0028NN	028000
0030NN	030000
0032NN	032000
0035NN	035000
0036NN	036000
0038NN	038000
0040NN	040000
0042NN	042000
0045NN	045000
0048NN	048000
0050NN	050000
0052NN	052000
0055NN	055000

Table B-134 Material and Treatment A

PIN21	PIN18
001NN	GA1
002NN	GA2
003NN	GA3
004NN	GA4
005NN	GA5
006NN	GA6
007NN	GA7
008NN	GA8
009NN	GA9
010NN	GB0
011NN	GB1
012NN	GB2
013NN	GB3
014NN	GB4

Table B-134 Material and Treatment A

PIN21	PIN18
015NN	GB5
016NN	GB6
017NN	GB7
018NN	GB8
019NN	GB9
020NN	GC0
021NN	GC1
022NN	GC2
023NN	GC3
024NN	GC4
025NN	GC5
026NN	GC6
027NN	GC7
028NN	GC8
029NN	GC9
030NN	GD0
031NN	GD1
032NN	GD2
033NN	GD3
034NN	GD4
035NN	GD5
036NN	GD6
037NN	GD7
038NN	GD8
039NN	GD9
040NN	GE0
041NN	GE1
042NN	GE2
043NN	GE3
044NN	GE4
045NN	GE5
046NN	GE6
047NN	GE7
048NN	GE8
049NN	GE9
050NN	GF0
051NN	GF1
052NN	GF2
053NN	GF3
054NN	GF4
055NN	GF5
056NN	GF6
070NN	GF7
071NN	GF8
072NN	GF9
073NN	GG0
074NN	GG1
075NN	GG2
076NN	GG3
077NN	GG4
078NN	GG5
079NN	GG6
080NN	GG7
081NN	GG8
082NN	GG9
083NN	GH0
084NN	GH1
085NN	GH2
086NN	GH3
087NN	GH4

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Table B-134 Material and Treatment A (Cont'd)

PIN21	PIN18
088NN	GH5
089NN	GH6
090NN	GH7
091NN	GH8
092NN	GH9
093NN	GJ0
094NN	GJ1
095NN	GJ2
101NN	GJ3
102NN	GJ4
103NN	GJ5
104NN	GJ6
105NN	GJ7
106NN	GJ8
107NN	GJ9
108NN	GK0
109NN	GK1
110NN	GK2
111NN	GK3
112NN	GK4
113NN	GK5
114NN	GK6
115NN	GK7
116NN	GK8
117NN	GK9
118NN	GL0
119NN	GL1
120NN	GL2
121NN	GL3
122NN	GL4
123NN	GL5
124NN	GL6
125NN	GL7
126NN	GL8
127NN	GL9
128NN	GM0
129NN	GM1
130NN	GM2
131NN	GM3
132NN	GM4
133NN	GM5
134NN	GM6
140NN	WD1
141NN	WD2
142NN	WD3
143NN	WD4
144NN	WE0
145NN	WD5
146NN	WD6
147NN	WD7
148NN	WD8
149NN	WD9
150NN	WE1
151NN	WE3
152NN	WE4
155NN	GM7
156NN	WA8
157NN	WA9
158NN	WB0

Table B-134 Material and Treatment A

PIN21	PIN18
159NN	WB5
160NN	WB8
161NN	WA1
162NN	WA2
163NN	WA3
164NN	WA4
165NN	WA5
166NN	WA6
167NN	WA7
183AN	AA1
183BN	AA2
193A1	AA9
193A2	AB6
193A3	AC6
193A4	AC9
193A5	AD3
193A6	AE2
193A7	AF0
193A8	AF2
193AN	AA3
193B1	AB0
193B2	AB7
193B3	AC7
193B4	AD0
193B5	AD4
193B6	AE3
193BN	AA4
193C1	AB1
193C2	AB8
193C3	AC8
193C4	AD1
193C5	AD5
193C6	AE4
193CN	AA5
193D1	AB2
193D2	AB9
193D4	AD2
193D5	AD6
193D6	AE5
193DN	AA6
193E1	AB3
193E2	AC0
193E5	AD7
193E6	AE6
193EN	AA7
193F1	AB4
193F2	AC1
193F5	AD8
193F6	AE7
193FN	AA8
193G1	AB5
193G2	AC2
193G5	AD9
193G6	AE8
193H2	AC3
193H5	AE0
193H6	AE9
193J2	AC4
193J5	AE1
193K2	AC5

Table B-134 Material and Treatment A

PIN21	PIN18
200NN	GN1
201NN	GN2
202NN	GN3
203NN	GN4
204NN	GN5
205NN	GN6
206NN	GN7
207NN	GN8
208NN	GN9
209NN	GP0
210NN	GP1
211NN	GP2
212NN	GP3
213NN	GP4
214NN	GP5
215NN	GP6
216NN	GP7
217NN	GP8
218NN	GP9
219NN	GQ0
220NN	GQ1
221NN	GQ2
222NN	GQ3
223NN	GQ4
224NN	GQ5
225NN	GQ6
226NN	GQ7
227NN	GQ8
228NN	GQ9
229NN	GR0
230NN	GR1
231NN	GR2
232NN	GR3
233NN	GR4
234NN	GR5
235NN	GR6
236NN	GR7
237NN	GR8
238NN	GR9
239NN	GS0
240NN	GS1
241NN	GS2
242NN	GS3
243NN	GS4
244NN	GS5
245NN	GS6
246NN	GS7
247NN	GS8
248NN	GS9
249NN	GT0
250NN	GT1
251NN	GT2
252NN	GT3
253NN	GT4
254NN	GT5
255NN	GT6
256NN	GT7
257NN	GT8
258NN	GT9
259NN	GU0

Table B-134 Material and Treatment A

PIN21	PIN18
260NN	GU1
261NN	GU2
262NN	GU3
263NN	GU4
264NN	GU5
265NN	GU6
266NN	GU7
267NN	GU8
268NN	GU9
269NN	GV0
270NN	GV1
271NN	GV2
272NN	GV3
273NN	GV4
274NN	GV5
275NN	GV6
276NN	GV7
277NN	GV8
278NN	GV9
279NN	GW0
280NN	GW1
281NN	GW2
282NN	GW3
283NN	GW4
284NN	GW5
285NN	GW6
286NN	GW7
287NN	GW8
288NN	GW9
289NN	GX0
290NN	GX1
291NN	GX2
292NN	GX3
293NN	WE2
294NN	WE5
295NN	WE6
296NN	WE7
297NN	WE8
298NN	WF9
299NN	WF0
301NN	GX4
302NN	GX5
303NN	GX6
307AN	AP5
307BN	AP6
307CN	AP7
310NN	GX7
311NN	GX8
312NN	GX9
313NN	GY0
320A1	AS0
320A2	AT6
320A3	AV2
320B1	AS2
320B2	AT8
320B3	AV4
320C1	AT0
320C2	AU6
320C3	AW2
320D1	AS6

Table B-134 Material and Treatment A

PIN21	PIN18
320D2	AU2
320D3	AV6
320E1	AS8
320E2	AU4
320E3	AV8
320F1	AS4
320F2	AU0
320F3	AW0
320G1	AT2
320G2	AU8
320H1	AT4
320H2	AV0
320JN	AP8
320KN	AQ0
320LN	AQ2
320MN	AQ4
320NN	WB1
320NN	AR4
320PN	AR8
321NN	WB2
322NN	WB3
323NN	WB4
324NN	WB6
325AM	AW6
325AN	AW4
325BN	AW5
325CM	AW7
325NN	WB7
326NN	WB9
327NN	WC0
330NN	WC1
331NN	WC2
354AN	AW8
354BN	AW9
394AN	AX0
394BN	AX1
394CN	AX2
394DN	AX3
400AN	SA1
400CN	SA2
401AN	SA3
401CN	SA4
402AN	SA5
402CN	SA6
403AN	SA7
403CN	SA8
404AN	SA9
404CN	SB0
405AN	SB1
405CN	SB2
406AN	SB3
406CN	SB4
407AN	SB5
407CN	SB6
408AN	SB7
408CN	SB8
409AN	SB9
409CN	SC0
410AN	SC1
410CN	SC2

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Table B-134 Material and Treatment A (Cont'd)

PIN21	PIN18
411AN	SC3
411CN	SC4
412AN	SC5
412CN	SC6
413AN	SC7
413CN	SC8
414AN	SC9
414CN	SD0
415AN	SD1
415CN	SD2
416AN	SD3
416CN	SD4
417AN	SD5
417CN	SD6
418AN	SD7
418CN	SD8
419AN	SD9
419CN	SE0
420AN	SE1
420CN	SE2
421AN	SE3
421CN	SE4
422AN	SE5
422CN	SE6
423AN	SE7
423CN	SE8
424AN	SE9
424CN	SF0
425AN	SF1
425CN	SF2
426AN	SF3
426CN	SF4
427AN	SF5
427CN	SF6
428AN	SF7
428CN	SF8
429AN	SF9
429CN	SG0
430AN	SG1
430CN	SG2
431AN	SG3
431CN	SG4
433AN	SG5
433CN	SG6
434AN	SG7
434CN	SG8
435AN	SG9
435CN	SH0
436AM	BD8
436AN	SH1
436BM	BD9
436BN	BD7
436CN	SH2
436DN	BD6
437AN	SH3
437CN	SH4
438AN	SH5
438CN	SH6
439AN	SH7

Table B-134 Material and Treatment A

PIN21	PIN18
439CN	SH8
449AN	AX4
449BN	AX5
449CN	AX6
450FN	SH9
450RN	SJ0
451FN	SJ1
451RN	SJ2
452FN	SJ3
452RN	SJ4
453A1	AX9
453A4	AX7
453B2	AY0
453B3	AY1
453C4	AY2
453C5	AY3
453D6	AY4
453D7	AY5
454FN	SJ5
454RN	SJ6
455FN	SJ7
455RN	SJ8
456FN	SJ9
456RN	SK0
457FN	SK1
457RN	SK2
458FN	SK3
458RN	SK4
459FN	SK5
459RN	SK6
460FN	SK7
460RN	SK8
461FN	SK9
461RN	SL0
462FN	SL1
462RN	SL2
4681A	BX5
4681M	CE0
4681N	BX4
4681S	CE1
4682A	BX7
4682M	CE2
4682N	BX6
4682S	CE3
4683A	BX9
4683M	CE4
4683N	BX8
4683S	CE5
4684A	BY1
4684M	CE6
4684N	BY0
4684S	CE7
4685A	BY5
4685M	CE8
4685N	BY4
4685S	CE9
4686A	BY7
4686M	CF0
4686N	BY6
4686S	CF1

Table B-134 Material and Treatment A

PIN21	PIN18
4687A	BY9
4687M	CF2
4687N	BY8
4687S	CF3
4688A	BY3
4688M	CF4
4688N	BY2
4688S	CF5
468AA	BS7
468AM	BZ2
468AN	BS6
468AS	BZ3
468BA	BS9
468BM	BZ4
468BN	BS8
468BS	BZ5
468CA	BT1
468CM	BZ6
468CN	BT0
468CS	BZ7
468DA	BT3
468DM	BZ8
468DN	BT2
468DS	BZ9
468EA	BT5
468EM	CA0
468EN	BT4
468ES	CA1
468FA	BT7
468FM	CA2
468FN	BT6
468FS	CA3
468GA	BT9
468GM	CA4
468GN	BT8
468GS	CA5
468HA	BU1
468HM	CA6
468HN	BU0
468HS	CA7
468JA	BU3
468JM	CA8
468JN	BU2
468JS	CA9
468KA	BU5
468KM	CB0
468KN	BU4
468KS	CB1
468LA	BU7
468LM	CB2
468LN	BU6
468LS	CB3
468MA	BU9
468MM	CB4
468MN	BU8
468MS	CB5
468NA	BV1
468NM	CB6
468NN	BV0
468NS	CB7

Table B-134 Material and Treatment A

PIN21	PIN18
468PA	BV3
468PM	CB8
468PN	BV2
468PS	CB9
468QA	BV5
468QM	CC0
468QN	BV4
468QS	CC1
468RA	BV7
468RM	CC2
468RN	BV6
468RS	CC3
468SA	BV9
468SM	CC4
468SN	BV8
468SS	CC5
468TA	BW1
468TM	CC6
468TN	BW0
468TS	CC7
468UA	BW3
468UM	CC8
468UN	BW2
468US	CC9
468VA	BW5
468VM	CD0
468VN	BW4
468VS	CD1
468WA	BW9
468WM	CD4
468WN	BW8
468WS	CD5
468XA	BX1
468XM	CD6
468XN	BX0
468XS	CD7
468YA	BX3
468YM	CD8
468YN	BX2
468YS	CD9
470MN	SL3
470SN	SL4
471MN	SL5
471SN	SL6
472MN	SL7
472SN	SL8
473MN	SL9
473SN	SM0
474MN	SM1
474SN	SM2
475MN	SM3
475SN	SM4
476MN	SM5
476SN	SM6
477MN	SM7
477SN	SM8
478MN	SM9
478SN	SN0
479MN	SN1
479SN	SN2

Table B-134 Material and Treatment A

PIN21	PIN18
480MN	SN3
480SN	SN4
481MN	SN5
481SN	SN6
482MN	SN7
482SN	SN8
483MN	SN9
483SN	SP0
484MN	SP1
484SN	SP2
485MN	SP3
485SN	SP4
486MN	SP5
486SN	SP6
487MN	SP7
487SN	SP8
488MN	SP9
488SN	SQ0
489AN	AY6
489BN	AY8
489CN	AY7
490AM	AZ2
490AN	AZ0
490CM	AZ3
490CN	AZ1
500NN	SQ1
519HN	SQ3
519PN	SQ2
520HN	SQ5
520PN	SQ4
521HN	SQ7
521PN	SQ6
522HN	SQ9
522PN	SQ8
523HN	SR1
523PN	SR0
524HN	SR3
524PN	SR2
525HN	SR5
525PN	SR4
541AN	CF8
568AM	CF9
568BM	CG0
568CM	CG1
568DM	CG2
568EM	CG3
568FM	CG4
568GM	CG5
568HM	CG6
568JM	CG7
568KM	CG9
568LM	CH0
568MM	CH1
574NM	BC4
574NN	BB3
593A1	CH2
593A2	CH3
593A3	CH5
593A4	CH4
593B1	CH6

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Table B-134 Material and Treatment A (Cont'd)

PIN21	PIN18
593B2	CH7
593B3	CH9
593B4	CH8
593C1	CJ0
593C2	CJ1
593C3	CJ3
593C4	CJ2
593D1	CJ4
593D4	CJ5
593E5	CJ6
593E6	CJ7
593F5	CJ8
593F6	CJ9
593G7	CK0
593GN	CK1
600NN	UA7
601NN	UB7
602NN	UC8
603NN	UA1
604NN	UD1
605NN	UD3
606NN	UD6
607NN	UE0
608NN	UE1
609NN	UE4
610NN	UE6
611NN	UE8
612NN	UF0
613NN	UF1
614NN	UF2
615NN	UF3
616NN	UF4
617NN	UF6
618NN	UF5
619NN	UB0
620NN	UG3
621NN	UC0
622NN	UC7
623NN	UA2
624NN	UD9
625NN	UG5
626NN	UG9
627NN	UH0
629NN	UG6
630NN	UG7
631NN	UG8
635NN	UA3
636NN	UA4
637NN	UA5
640NN	UA6
650NN	UH1
651NN	UH2
652NN	UH3
653NN	UH4
654NN	UH5
655NN	UH6
656NN	UH7
657NN	UH8
658NN	UH9

Table B-134 Material and Treatment A

PIN21	PIN18
659NN	UJ0
660NN	UJ1
661NN	UJ2
662NN	UJ3
663NN	UJ4
664NN	UJ5
665NN	UJ6
666NN	UJ7
667NN	UJ8
668NN	UJ9
669NN	UK0
670NN	UK1
671NN	UK2
672NN	UK3
673NN	UK4
687NN	BD5
738A2	CZ6
738B1	CZ7
738D2	CZ9
738E1	DA0
738G2	DA2
738H1	DA3
738K2	DA5
738L1	DA6
738M4	DA7
738N5	DA8
738P6	DA9
738Q5	DB0
738R6	DB1
738S4	DB2
738T5	DB3
738U6	DB4
738V7	DB5
835NM	DG6
835NN	DG5
837AM	DX8
837AN	DR0
837BM	DX9
837BN	DR2
837CM	DY0
837CN	DR6
84453	EA1
879AM	EC0
879AN	EA2
879BM	EC1
879BN	EA3
880AM	EF8
880AN	ED8
880BM	EF9
880BN	ED9
901AN	EH8
901BN	EH9
901CN	EJ0
912NM	EJ2
912NN	EJ1
959AM	EJ5
959AN	EJ3
959BM	EJ6
959BN	EJ4

Table B-135 Material and Treatment B

PIN21	PIN18
001NNN	GA1
002NNN	GA2
003NNN	GA3
004NNN	GA4
005NNN	GA5
006NNN	GA6
007NNN	GA7
008NNN	GA8
009NNN	GA9
010NNN	GB0
011NNN	GB1
012NNN	GB2
013NNN	GB3
014NNN	GB4
015NNN	GB5
016NNN	GB6
017NNN	GB7
018NNN	GB8
019NNN	GB9
020NNN	GC0
021NNN	GC1
022NNN	GC2
023NNN	GC3
024NNN	GC4
025NNN	GC5
026NNN	GC6
027NNN	GC7
028NNN	GC8
029NNN	GC9
030NNN	GD0
031NNN	GD1
032NNN	GD2
033NNN	GD3
034NNN	GD4
035NNN	GD5
036NNN	GD6
037NNN	GD7
038NNN	GD8
039NNN	GD9
040NNN	GE0
041NNN	GE1
042NNN	GE2
043NNN	GE3
044NNN	GE4
045NNN	GE5
046NNN	GE6
047NNN	GE7
048NNN	GE8
049NNN	GE9
050NNN	GF0
051NNN	GF1
052NNN	GF2
053NNN	GF3
054NNN	GF4
055NNN	GF5
056NNN	GF6
070NNN	GF7
071NNN	GF8
072NNN	GF9
073NNN	GG0

Table B-135 Material and Treatment B

PIN21	PIN18
074NNN	GG1
075NNN	GG2
076NNN	GG3
077NNN	GG4
078NNN	GG5
079NNN	GG6
080NNN	GG7
081NNN	GG8
082NNN	GG9
083NNN	GH0
084NNN	GH1
085NNN	GH2
086NNN	GH3
087NNN	GH4
088NNN	GH5
089NNN	GH6
090NNN	GH7
091NNN	GH8
092NNN	GH9
093NNN	GJ0
094NNN	GJ1
095NNN	GJ2
101NNN	GJ3
102NNN	GJ4
103NNN	GJ5
104NNN	GJ6
105NNN	GJ7
106NNN	GJ8
107NNN	GJ9
108NNN	GK0
109NNN	GK1
110NNN	GK2
111NNN	GK3
112NNN	GK4
113NNN	GK5
114NNN	GK6
115NNN	GK7
116NNN	GK8
117NNN	GK9
118NNN	GL0
119NNN	GL1
120NNN	GL2
121NNN	GL3
122NNN	GL4
123NNN	GL5
124NNN	GL6
125NNN	GL7
126NNN	GL8
127NNN	GL9
128NNN	GM0
129NNN	GM1
130NNN	GM2
131NNN	GM3
132NNN	GM4
133NNN	GM5
134NNN	GM6
140NNN	WD1
141NNN	WD2
142NNN	WD3
143NNN	WD4

Table B-135 Material and Treatment B

PIN21	PIN18
144NNN	WE0
145NNN	WD5
146NNN	WD6
147NNN	WD7
148NNN	WD8
149NNN	WD9
150NNN	WE1
151NNN	WE3
152NNN	WE4
155NNN	GM7
156NNN	WA8
157NNN	WA9
158NNN	WB0
159NNN	WB5
160NNN	WB8
161NNN	WA1
162NNN	WA2
163NNN	WA3
164NNN	WA4
165NNN	WA5
166NNN	WA6
167NNN	WA7
19401A	AF5
19401B	AF5
19401C	AF5
19402A	AF7
19402B	AF7
19402C	AF7
19403A	AF9
19403B	AF9
19403C	AF9
19404A	AG1
19404B	AG1
19404C	AG1
19405A	AG5
19405A	AG3
19405B	AG3
19405C	AG3
19407A	AG7
19407B	AG5
19407C	AG5
19408A	AG9
19408B	AG7
19408C	AG7
19409A	AH1
19409A	AH3
19409B	AG9
19409C	AG9
19411A	AH5
19411B	AH1
19411C	AH1
19412A	AH9
19412B	AH5
19412C	AH5
19413A	AJ1
19413B	AH7
19413C	AH7
19414A	AJ3
19414B	AH9
19414C	AH9

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Table B-135 Material and Treatment B (Cont'd)

PIN21	PIN18
19415A	AJ5
19415B	AJ1
19415C	AJ1
19416A	AJ7
19416B	AJ3
19416C	AJ3
19417A	AJ9
19417B	AJ5
19417C	AJ5
19418A	AK1
19418B	AJ7
19418C	AJ7
19419A	AK3
19419B	AJ9
19419C	AJ9
19420A	AK5
19420B	AK1
19420C	AK1
19421A	AK7
19421B	AK3
19421C	AK3
19422A	AK9
19422B	AK5
19422C	AK5
19423A	AL1
19423B	AK7
19423C	AK7
19424A	AL3
19424B	AK9
19424C	AK9
19425A	AH7
19425B	AH3
19425C	AH3
200NNN	GN1
201NNN	GN2
202NNN	GN3
203NNN	GN4
204NNN	GN5
205NNN	GN6
206NNN	GN7
207NNN	GN8
208NNN	GN9
209NNN	GP0
210NNN	GP1
211NNN	GP2
212NNN	GP3
213NNN	GP4
214NNN	GP5
215NNN	GP6
216NNN	GP7
217NNN	GP8
218NNN	GP9
219NNN	GQ0
220NNN	GQ1
221NNN	GQ2
222NNN	GQ3
223NNN	GQ4
224NNN	GQ5
225NNN	GQ6

Table B-135 Material and Treatment B

PIN21	PIN18
226NNN	GQ7
227NNN	GQ8
228NNN	GQ9
229NNN	GR0
230NNN	GR1
231NNN	GR2
232NNN	GR3
233NNN	GR4
234NNN	GR5
235NNN	GR6
236NNN	GR7
237NNN	GR8
238NNN	GR9
239NNN	GS0
240NNN	GS1
241NNN	GS2
242NNN	GS3
243NNN	GS4
244NNN	GS5
245NNN	GS6
246NNN	GS7
247NNN	GS8
248NNN	GS9
249NNN	GT0
250NNN	GT1
251NNN	GT2
252NNN	GT3
253NNN	GT4
254NNN	GT5
255NNN	GT6
256NNN	GT7
257NNN	GT8
258NNN	GT9
259NNN	GU0
260NNN	GU1
261NNN	GU2
262NNN	GU3
263NNN	GU4
264NNN	GU5
265NNN	GU6
266NNN	GU7
267NNN	GU8
268NNN	GU9
269NNN	GV0
270NNN	GV1
271NNN	GV2
272NNN	GV3
273NNN	GV4
274NNN	GV5
275NNN	GV6
276NNN	GV7
277NNN	GV8
278NNN	GV9
279NNN	GW0
280NNN	GW1
281NNN	GW2
282NNN	GW3
283NNN	GW4
284NNN	GW5
285NNN	GW6

Table B-135 Material and Treatment B

PIN21	PIN18
286NNN	GW7
287NNN	GW8
288NNN	GW9
289NNN	GX0
290NNN	GX1
291NNN	GX2
292NNN	GX3
293NNN	WE2
294NNN	WE5
295NNN	WE6
296NNN	WE7
297NNN	WE8
298NNN	WF9
299NNN	WF0
301NNN	GX4
302NNN	GX5
303NNN	GX6
310NNN	GX7
311NNN	GX8
312NNN	GX9
313NNN	GY0
320NNN	WB1
321NNN	WB2
322NNN	WB3
323NNN	WB4
324NNN	WB6
325NNN	WB7
326NNN	WB9
327NNN	WC0
330NNN	WC1
331NNN	WC2
400ANN	SA1
400CNN	SA2
401ANN	SA3
401CNN	SA4
402ANN	SA5
402CNN	SA6
403ANN	SA7
403CNN	SA8
404ANN	SA9
404CNN	SB0
405ANN	SB1
405CNN	SB2
406ANN	SB3
406CNN	SB4
407ANN	SB5
407CNN	SB6
408ANN	SB7
408CNN	SB8
409ANN	SB9
409CNN	SC0
410ANN	SC1
410CNN	SC2
411ANN	SC3
411CNN	SC4
412ANN	SC5
412CNN	SC6
413ANN	SC7
413CNN	SC8
414ANN	SC9

Table B-135 Material and Treatment B

PIN21	PIN18
414CNN	SD0
415ANN	SD1
415CNN	SD2
416ANN	SD3
416CNN	SD4
417ANN	SD5
417CNN	SD6
418ANN	SD7
418CNN	SD8
419ANN	SD9
419CNN	SE0
420ANN	SE1
420CNN	SE2
421ANN	SE3
421CNN	SE4
422ANN	SE5
422CNN	SE6
423ANN	SE7
423CNN	SE8
424ANN	SE9
424CNN	SF0
425ANN	SF1
425CNN	SF2
426ANN	SF3
426CNN	SF4
427ANN	SF5
427CNN	SF6
428ANN	SF7
428CNN	SF8
429ANN	SF9
429CNN	SG0
430ANN	SG1
430CNN	SG2
431ANN	SG3
431CNN	SG4
433ANN	SG5
433CNN	SG6
434ANN	SG7
434CNN	SG8
435ANN	SG9
435CNN	SH0
436ANN	SH1
436CNN	SH2
437ANN	SH3
437CNN	SH4
438ANN	SH5
438CNN	SH6
439ANN	SH7
439CNN	SH8
450FNN	SH9
450RNN	SJ0
451FNN	SJ1
451RNN	SJ2
452FNN	SJ3
452RNN	SJ4
454FNN	SJ5
454RNN	SJ6
455FNN	SJ7
455RNN	SJ8
456FNN	SJ9

Table B-135 Material and Treatment B

PIN21	PIN18
456RNN	SK0
457FNN	SK1
457RNN	SK2
458FNN	SK3
458RNN	SK4
459FNN	SK5
459RNN	SK6
460FNN	SK7
460RNN	SK8
461FNN	SK9
461RNN	SL0
462FNN	SL1
462RNN	SL2
46701N	BE0
46701S	BE1
46702N	BE2
46702S	BE3
46703N	BE4
46703S	BE5
46704N	BE6
46704S	BE7
46705N	BE8
46705S	BE9
46706N	BF0
46706S	BF1
46707N	BF2
46707S	BF3
46708N	BF4
46708S	BF5
46709N	BF6
46709S	BF7
46710N	BF8
46710S	BF9
46711N	BG0
46711S	BG1
46712N	BG2
46712S	BG3
46713N	BG4
46713S	BG5
46714N	BG6
46714S	BG7
46715N	BG8
46715S	BG9
46716N	BH0
46716S	BH1
46717N	BH2
46717S	BH3
46718N	BH4
46718S	BH5
46719N	BH6
46719S	BH7
46720N	BH8
46720S	BH9
46721N	BJ2
46721S	BJ3
46722N	BJ4
46722S	BJ5
46723N	BJ6
46723S	BJ7
46724N	BJ8

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Table B-135 Material and Treatment B (Cont'd)

PIN21	PIN18
46724S	BJ9
46725N	BK0
46725S	BK1
46726N	BK2
46726S	BK3
46727N	BK4
46727S	BK5
46728N	BK6
46728S	BK7
46729N	BK8
46729S	BK9
46730N	BL0
46730S	BL1
46750M	BL4
46750T	BL5
46751M	BL6
46751T	BL7
46753M	BL8
46753T	BL9
46754M	BM0
46754T	BM1
46755M	BM2
46755T	BM3
46756M	BM4
46756T	BM5
46757M	BM6
46757T	BM7
46758M	BM8
46758T	BM9
46759M	BN0
46759T	BN1
46760M	BN2
46760T	BN3
46761M	BN4
46761T	BN5
46762M	BN6
46762T	BN7
46763M	BN8
46763T	BN9
46764M	BP0
46764T	BP1
46765M	BP2
46765T	BP3
46766M	BP4
46766T	BP5
46767M	BP6
46767T	BP7
46768M	BP8
46768T	BP9
46769M	BQ0
46769T	BQ1
46770M	BQ4
46770T	BQ5
46771M	BQ6
46771T	BQ7
46772M	BQ8
46772T	BQ9
46773M	BR0
46773T	BR1

Table B-135 Material and Treatment B

PIN21	PIN18
46774M	BR2
46774T	BR3
46775M	BR4
46775T	BR5
46776M	BR6
46776T	BR7
46777M	BR8
46777T	BR9
46778M	BS0
46778T	BS1
46779M	BS2
46779T	BS3
470MNN	SL3
470SNN	SL4
471MNN	SL5
471SNN	SL6
472MNN	SL7
472SNN	SL8
473MNN	SL9
473SNN	SM0
474MNN	SM1
474SNN	SM2
475MNN	SM3
475SNN	SM4
476MNN	SM5
476SNN	SM6
477MNN	SM7
477SNN	SM8
478MNN	SM9
478SNN	SN0
479MNN	SN1
479SNN	SN2
480MNN	SN3
480SNN	SN4
481MNN	SN5
481SNN	SN6
482MNN	SN7
482SNN	SN8
483MNN	SN9
483SNN	SP0
484MNN	SP1
484SNN	SP2
485MNN	SP3
485SNN	SP4
486MNN	SP5
486SNN	SP6
487MNN	SP7
487SNN	SP8
488MNN	SP9
488SNN	SQ0
500NNN	SQ1
519HNN	SQ3
519PNN	SQ2
520HNN	SQ5
520PNN	SQ4
521HNN	SQ7
521PNN	SQ6
522HNN	SQ9
522PNN	SQ8
523HNN	SR1

Table B-135 Material and Treatment B

PIN21	PIN18
523PNN	SR0
524HNN	SR3
524PNN	SR2
525HNN	SR5
525PNN	SR4
56301A	AZ4
56301B	BB0
56301C	BB0
56301D	BB0
56302B	AZ5
56302C	BB1
56302D	BB1
56303C	AZ9
56304C	BA0
56305B	AZ6
56305C	BB2
56305D	BB2
56306B	AZ7
56306C	BB3
56306D	BB3
56307B	AZ8
56307C	BB4
56320J	BA2
56320K	BB8
56321J	BA3
56321K	BB9
56322J	BA4
56322K	BC0
56323J	BA5
56323K	BC1
56324J	BA6
56324K	BC2
56325J	BA7
56325K	BC3
56326J	BA8
56326K	BC4
56327J	BA9
56327K	BC5
56328J	BB0
56328K	BC6
56329J	BB1
56329K	BC7
56330J	BB2
56330K	BC8
59401A	CR6
59401D	CR4
59402A	CS0
59402D	CR8
59403A	CS4
59403D	CS2
59404A	CS7
59404D	CS6
59405E	CS8
59406E	CT0
59407C	CT2
59407F	CT3
600NNN	UA7
601NNN	UB7
602NNN	UC8
603NNN	UA1

Table B-135 Material and Treatment B

PIN21	PIN18
604NNN	UD1
605NNN	UD3
606NNN	UD6
607NNN	UE0
608NNN	UE1
609NNN	UE4
610NNN	UE6
611NNN	UE8
612NNN	UF0
613NNN	UF1
614NNN	UF2
615NNN	UF3
616NNN	UF4
617NNN	UF6
618NNN	UF5
619NNN	UB0
620NNN	UG3
621NNN	UC0
622NNN	UC7
623NNN	UA2
624NNN	UD9
625NNN	UG5
626NNN	UG9
627NNN	UH0
629NNN	UG6
630NNN	UG7
631NNN	UG8
635NNN	UA3
636NNN	UA4
637NNN	UA5
640NNN	UA6
650NNN	UH1
651NNN	UH2
652NNN	UH3
653NNN	UH4
654NNN	UH5
655NNN	UH6
656NNN	UH7
657NNN	UH8
658NNN	UH9
659NNN	UJ0
660NNN	UJ1
661NNN	UJ2
662NNN	UJ3
663NNN	UJ4
664NNN	UJ5
665NNN	UJ6
666NNN	UJ7
667NNN	UJ8
668NNN	UJ9
669NNN	UK0
670NNN	UK1
671NNN	UK2
672NNN	UK3
673NNN	UK4
83601A	DG8
83601D	DG7
83602B	DG9
83603C	DH0
83604A	DH2

Table B-135 Material and Treatment B

PIN21	PIN18
83604D	DH1
83605B	DH3
83606C	DH4
83607A	DH6
83607D	DH5
83608B	DH7
83609C	DH8
83610A	DJ0
83610D	DH9
83611E	DJ1
83612F	DJ2
83613E	DJ3
83614F	DJ4
83615E	DJ5
83616F	DJ6
83617G	DJ7

Table B-136 Plating, Coating, and Passivation

PIN21	PIN18
01	DV
02	DW
03	DX
04	DY
05	DZ
06	E0
07	E1
08	E2
09	E3
0A	D5
0B	D6
0C	D7
0D	D8
0E	D9
0F	DA
0G	DB
0H	DC
0J	DD
0K	DE
0L	DF
0M	DG
0N	DH
0P	DJ
0Q	DK
0R	DL
0S	DM
0T	DN
0U	DP
0V	DQ
0W	DR
0X	DS
0Y	DT
0Z	DU
10	E4
11	E5
12	E6

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Table B-136 Plating, Coating, and Passivation (Cont'd)

PIN21	PIN18
13	E7
14	E8
15	E9
16	EA
17	EB
18	EC
19	ED
20	EE
21	EF
22	EG
23	EH
24	EJ
25	EK
26	EL
27	EM
28	EN
29	EP
30	EQ
31	ER
32	ES
33	ET
34	EU
35	EV
36	EW
37	EX
38	EY
39	EZ
40	F0
41	F1
42	F2
43	F3
44	F4
45	F5
46	F6
47	F7
48	F8
49	F9
50	FA
51	FB
52	FC
53	FD
54	FE
55	FF
56	FG
57	FH
58	FJ
59	FK
60	FL
61	FM
62	FN
63	FP
64	FQ
65	FR
66	FS
67	FT
68	FU
69	FV
70	FW
71	FX

Table B-136 Plating, Coating, and Passivation

PIN21	PIN18
72	FY
73	FZ
74	G0
75	G1
76	G2
77	G3
78	G4
79	G5
80	G6
81	G7
82	G8
83	G9
84	GA
85	GB
86	GC
87	GD
88	GE
89	GF
90	GG
91	GH
92	GJ
93	GK
94	GL
95	GM
96	GN
AA	A1
AB	A3
BA	A2
CA	A4
CB	A5
CC	A6
CD	A7
CE	A8
CF	A9
CG	AA
CH	AB
CJ	AC
CK	AD
CL	AE
CM	AF
CN	AG
CP	AH
CQ	AJ
CR	AK
DA	AL
DB	AM
DC	AN
DD	AS
DE	AT
DF	AU
DG	AP
DH	AV
DJ	AQ
DK	AW
DL	AR
DM	AX
EA	AY
EB	AZ
EC	B0
EF	B1

Table B-136 Plating, Coating, and Passivation

PIN21	PIN18
EG	B2
EH	B3
FA	B4
FB	B5
FC	B6
FD	B7
FE	B8
FF	B9
FG	BA
FH	BB
FJ	BC
FK	BD
FL	BE
FN	BF
GA	BG
GB	BH
GC	BJ
GD	BK
GE	BL
GF	BM
GG	BN
GH	BP
GJ	BQ
GK	BR
GL	BS
GM	BT
HA	C3
HB	C4
HC	C5
HD	C6
HE	C7
HF	C8
HG	C9
HH	CA
HJ	CB
HK	CC
HL	CD
HM	CE
HN	CF
HP	CG
HQ	CH
HR	CJ
JA	CK
JB	CL
JC	CM
KA	CN
KB	CP
KC	CQ
KD	CR
KE	CS
KF	CT
KG	CU
LA	CV
LB	CW
LC	CX
LD	CY
LE	CZ
LF	D0
LG	D1
LH	D2

Table B-136 Plating, Coating, and Passivation

PIN21	PIN18
LJ	D3
LK	D4
MA	L7
MB	L8
MC	L9
MD	LJ
NA	LA
NB	LB
NC	LC
ND	LD
NE	LE
NF	LF
NG	LG
NH	LH
PA	LS
PB	LT
PC	LU
PD	LV
PE	LW
PF	LX
PG	LY
PH	LZ
QA	LN
QB	LP
QC	LQ
QD	LR
RA	LK
RB	LL
RC	LM
SA	BU
SB	BV
SC	BW
SD	BX
SE	BY
SF	BZ
SG	C0
SH	C1
SJ	C2
TA	M0
TB	M1

Table B-137 Additional Features: Externally Threaded

PIN21	PIN18
1	1
2	7
3	6
4	B
H	2

Table B-138 Additional Features: Internally Threaded

PIN21	PIN18
1	1
2	1

Table B-139 Additional Features: Nonthreaded

PIN21	PIN18
1	1
2	1
3	2
4	1
5	2
6	2
7	2
8	2

Table B-140 Cross Reference: Table 2-2 Tapping Screw Point AB

PIN21	PIN18
T	A

Table B-141 Cross Reference: Table 2-2 Tapping Screw Point B

PIN21	PIN18
T	B

Table B-142 Cross Reference: Table 2-2 Tapping Screw Point BF

PIN21	PIN18
T	L

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Table B-143 Cross Reference: Table 2-2 Tapping Screw Point BP

PIN21	PIN18
T	P

Table B-144 Cross Reference: Table 2-2 Tapping Screw Point BT

PIN21	PIN18
T	R

Table B-145 Cross Reference: Table 2-2 Tapping Screw Point C

PIN21	PIN18
T	C

Table B-146 Cross Reference: Table 2-2 Tapping Screw Point D

PIN21	PIN18
T	D

Table B-147 Cross Reference: Table 2-2 Tapping Screw Point F

PIN21	PIN18
T	F

Table B-148 Cross Reference: Table 2-2 Tapping Screw Point G

PIN21	PIN18
T	G

Table B-149 Cross Reference: Table 2-2 Tapping Screw Point T

PIN21	PIN18
T	T

Table B-150 Cross Reference: Table 2-2 Tapping Screw Point U

PIN21	PIN18
T	U

Table B-151 Bridge to Table 3-6 for AB, B, BF, BP, BT

PIN21	PIN18
01	060
A1	073
A2	086
A3	099
A4	112
A5	125
A6	138
A7	151
A8	164
AA	190
AB	216
AD	250
AG	312
AK	375
AL	438
AM	500

Table B-152 Bridge to Table 3-6 for C, D, F, G, T

PIN21	PIN18
A2	08B
A3	09B
A4	11B
A5	12B
A6	13B
A8	16B
AA	19B
AD	25B
AG	31B
AK	37B
AL	43B
AM	50B

Table B-153 Bridge to Table 3-7 for AB, B, BF, BT

PIN21	PIN18
MC	228
ME	291
MG	351
MJ	421
MK	481
MM	551
MP	631
MR	802
MS	952

Table B-154 Bridge to Table 3-7 for D, F, T

PIN21	PIN18
GF	10Z
MB	204
MD	254
MF	305
MG	356
MH	407
ML	508
MN	06A
MR	08B
MT	10C

Table B-155 Bridge to Table 3-10

PIN21	PIN18
01	060
A1	073
A2	084
A3	094
A4	112
A5	126
A6	136
A8	164
AA	190
AD	250
AG	312
AK	375
AL	438
AM	500
AP	625
AR	750
AS	875

Table B-156 Bridge to Table 3-12

PIN21	PIN18
01	060
A1	073
A2	086
A3	099
A4	112
A5	125
A6	138
A7	151
A8	164
A9	177
AA	190
AB	216
AC	242
AD	268
AF	294
AH	320
AJ	372

Table B-157 Bridge to Table 3-13

PIN21	PIN18
AA	190
AD	250
AG	312
AK	375
AL	438
AM	500
AR	750
AS	875
B0	A00
B1	A12
B2	A25

Table B-158 Cross Reference: Table 7-9 Washer Component 1

PIN21	PIN18
1	1
H	1

Table B-159 Cross Reference: Table 7-9 Washer Component 2

PIN21	PIN18
1	2
H	2

Table B-160 Cross Reference: Table 7-9 Washer Component 3

PIN21	PIN18
1	3
H	3

Table B-161 Cross Reference: Table 7-9 Washer Component 4

PIN21	PIN18
1	4
H	4

Table B-162 Cross Reference: Table 7-9 Washer Component 5

PIN21	PIN18
1	5
H	5

Table B-163 Cross Reference: Table 7-9 Washer Component 6

PIN21	PIN18
1	6
H	6

Table B-164 Cross Reference: Table 7-9 Washer Component 7

PIN21	PIN18
1	7
H	7

Table B-165 Cross Reference: Table 7-9 Washer Component 8

PIN21	PIN18
1	8
H	8

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Table B-166 Cross Reference: Table 7-9 Washer Component 9

PIN21	PIN18
1	9
H	9

Table B-167 Cross Reference: Table 7-9 Washer Component 10

PIN21	PIN18
1	A
H	A

Table B-168 Cross Reference: Table 7-9 Washer Component 11

PIN21	PIN18
1	B
H	B

Table B-169 Cross Reference: Table 7-9 Washer Component 12

PIN21	PIN18
1	C
H	C

Table B-170 Bridge to Table 3-11

PIN21	PIN18
A4	112
A5	125
A6	13B
A8	16B
AA	190
AB	21B
AD	25B
AG	31B
AK	375

Table B-171 Bridge to Table 3-4

PIN21	PIN18
FE	012
FF	012
FG	012
FK	016
FN	020
FP	020
FR	024
GF	010
ML	50M
MN	60M
MR	80M
MU	012
MW	016
MY	020
ZM	024

Table B-172 Bridge to Table 7-10

PIN21	PIN18
1	P

Table B-Index B18.24 Legacy Table References From B18.24.1, B18.24.2, and B18.24.3

B18.24 Table	Cancelled Source	Cancelled Source reference
B-1	B18.24.1, B18.24.2, B18.24.3	B18.24.1 pg 1, B18.24.2 pg 1, and B18.24.3 pg 1
B-2	B18.24.1	pgs 1-2 and pgs 5-20
B-3	B18.24.2, B18.24.3	B18.24.2 pg 1 pgs 3-5, B18.24.3 pg 1 pgs 3-6
B-4	B18.24.1	pg 3
B-5	B18.24.2	pg 2
B-6	B18.24.1	pg 21
B-7	B18.24.2	pg 4
B-8	B18.24.1	pg 23
B-9	B18.24.2	pg 4
B-10	B18.24.1	pg 24
B-11	B18.24.1	pgs 21-22
B-12	B18.24.1	pg 23
B-13	B18.24.1	pg 24
B-14	B18.24.2	pg 5
B-15	B18.24.3	pg 7, upper left quadrant, Size
B-16	B18.24.3	pg 7, upper left quadrant, Length
B-17	B18.24.3	pg 7, upper right quadrant, Size #
B-18	B18.24.3	pg 8, upper left quadrant, Size #
B-19	B18.24.3	pg 8, upper right quadrant, Size #
B-20	B18.24.3	pg 8, upper right quadrant, Length
B-21	B18.24.3	pg 8, lower left quadrant, Size #
B-22	B18.24.3	pg 8, lower left quadrant, Length
B-23	B18.24.3	pg 9, upper left quadrant, Size
B-24	B18.24.3	pg 9, upper left quadrant, Length
B-25	B18.24.3	pg 10, upper left quadrant, Size
B-26	B18.24.3	pg 10, upper left quadrant, Length
B-27	B18.24.3	pg 10, upper right quadrant, Size
B-28	B18.24.3	pg 11, upper left quadrant, Size
B-29	B18.24.3	pg 11, upper left quadrant, Length
B-30	B18.24.3	pg 12, upper left quadrant, Size
B-31	B18.24.3	pg 12, upper left quadrant, Length
B-32	B18.24.3	pg 13, upper left quadrant, Size
B-33	B18.24.3	pg 13, upper left quadrant, Length
B-34	B18.24.3	pg 14, upper left quadrant, Size
B-35	B18.24.3	pg 14, upper left quadrant, Length
B-36	B18.24.3	pg 15, upper left quadrant, Size
B-37	B18.24.3	pg 15, upper left quadrant, Length

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Table B-Index B18.24 Legacy Table References from B18.24.1, B18.24.2, and B18.24.3 (Cont'd)

B18.24 Table	Cancelled Source	Cancelled Source reference
B-38	B18.24.3	pg 16, upper left quadrant, Size
B-39	B18.24.3	pg 16, upper left quadrant, Length
B-40	B18.24.3	pg 17, upper left quadrant, Size
B-41	B18.24.3	pg 17, upper left quadrant, Length
B-42	B18.24.3	pg 18, upper left quadrant, Size
B-43	B18.24.3	pg 18, upper left quadrant, Length
B-44	B18.24.3	pg 19, upper left quadrant, Shnk Dia
B-45	B18.24.3	pg 19, upper left quadrant, OD
B-46	B18.24.3	pg 19, upper right quadrant, Size
B-47	B18.24.3	pg 19, upper right quadrant, Length
B-48	B18.24.3	pg 19, lower left quadrant, Size
B-49	B18.24.3	pg 19, lower left quadrant, Length
B-50	B18.24.3	pg 20, upper left quadrant, Size
B-51	B18.24.3	pg 20, upper left quadrant, Length
B-52	B18.24.3	pg 21, upper left quadrant, Size
B-53	B18.24.3	pg 21, upper left quadrant, Length
B-54	B18.24.3	pg 21, upper right quadrant, Size
B-55	B18.24.3	pg 21, upper right quadrant, Length
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