



Designation: B718 – 22

# Standard Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy Plate<sup>1</sup>

This standard is issued under the fixed designation B718; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reappraisal.

## 1. Scope\*

1.1 This specification covers wrought alloy UNS N06333 plate intended for heat resisting applications and general corrosive service.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to become familiar with all hazards including those identified in the appropriate Safety Data Sheet (SDS) for this product/material as provided by the manufacturer, to establish appropriate safety, health, and environmental practices, and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

**B880** Specification for General Requirements for Chemical Check Analysis Limits for Nickel, Nickel Alloys and Cobalt Alloys

**E8/E8M** Test Methods for Tension Testing of Metallic Materials

**E10** Test Method for Brinell Hardness of Metallic Materials

**E18** Test Methods for Rockwell Hardness of Metallic Materials

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.07 on Refined Nickel and Cobalt and Their Alloys.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

**E29** Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

**E140** Hardness Conversion Tables for Metals Relationship Among Brinell Hardness, Vickers Hardness, Rockwell Hardness, Superficial Hardness, Knoop Hardness, Scleroscope Hardness, and Leeb Hardness

**E1473** Test Methods for Chemical Analysis of Nickel, Cobalt and High-Temperature Alloys

## 3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *plate, n*—material  $\frac{3}{16}$  in. (4.76 mm) and over in thickness and over 10 in. (254) mm in width.

## 4. Ordering Information

4.1 It is the responsibility of the purchaser to specify all requirements that are necessary for the safe and satisfactory performance of material ordered under this specification. Examples of such requirements include but are not limited to the following:

4.1.1 Alloy name or UNS number.

4.1.2 Quantity.

4.1.3 ASTM Designation and year of issue.

4.1.4 *Dimensions*—Thickness, width, and length.

4.1.5 *Certification*—State if certification is required (Section 16).

4.1.6 *Samples for Product (Check) Analysis*—State whether samples shall be furnished.

4.1.7 *Purchaser Inspection*—If a purchaser wishes to witness tests or inspections of material at the place of manufacture, the purchase order must so state indicating which tests or inspections are to be witnessed.

## 5. Materials and Manufacture

5.1 All material shall be furnished in the annealed condition.

## 6. Chemical Requirements

6.1 The material shall conform to the requirements as to chemical composition specified in **Table 1**.

6.2 If a product (check) analysis is performed by the purchaser, the material shall conform to the product (check) analysis variations in Specification **B880**.

\*A Summary of Changes section appears at the end of this standard

TABLE 1 Chemical Requirements

| Element           | Composition Limits, % |
|-------------------|-----------------------|
| Carbon            | 0.10 max              |
| Manganese         | 2.0 max               |
| Phosphorus        | 0.03                  |
| Sulfur            | 0.03                  |
| Silicon           | 1.5 max               |
| Chromium          | 24.0–27.0             |
| Nickel            | 44.0–48.0             |
| Molybdenum        | 2.5–4.0               |
| Cobalt            | 2.5–4.0               |
| Tungsten          | 2.5–4.0               |
| Iron <sup>A</sup> | Remainder             |

<sup>A</sup> Element may be determined arithmetically by difference.

7. Mechanical and Other Requirements

7.1 The mechanical properties of the material at room temperature shall conform to those shown in Table 2.

8. Permissible Variations in Dimensions

8.1 Plate, shall conform to the permissible variations in dimensions specified in Tables 3-8, inclusive.

8.2 Plate may be ground to remove surface defects, provided such grinding does not reduce the thickness, width, or length at any point beyond the permissible variations in dimensions.

9. Workmanship, Finish, and Appearance

9.1 The material shall be uniform in quality and temper, smooth, commercially straight, and free from injurious imperfections.

9.2 Plate will be supplied in the hot rolled, annealed, and descaled condition.

10. Sampling

10.1 Lot Definitions:

10.1.1 A lot for chemical analysis shall consist of one heat.

10.1.2 A lot for mechanical properties shall consist of material from one heat of the same condition and nominal thickness.

10.2 Test-Material Selection:

10.2.1 Chemical Analysis—Representative samples from each lot shall be taken during pouring or subsequent processing.

10.2.1.1 Product (check) analysis shall be wholly the responsibility of the purchaser.

10.2.2 Mechanical Properties—Samples of the material to provide test specimens for mechanical properties shall be taken from such locations in each lot as to be representative of that lot.

11. Number of Tests

11.1 Chemical Analysis—One test per lot.

11.2 Mechanical Properties—One test per lot.

12. Specimen Preparation

12.1 Tension test specimens shall be taken from material in the final condition (temper). Tests shall be performed transverse to the direction of rolling, where width will permit.

12.1.1 All material shall be tested in full cross-section size when possible.

12.2 Tension-test specimens shall be as follows:

12.2.1 Full thickness of the material, machine to the form and dimensions shown for the sheet-type specimen in Test Methods E8/E8M for material up through 1/2 in. (12.7 mm) in thickness.

12.2.2 The largest possible round specimen shown in Test Methods E8/E8M for material over 1/2 in. (12.7 mm).

13. Test Methods

13.1 Chemical Composition—Test Methods E1473.

13.2 Tension Test—Test Methods E8/E8M.

13.3 Rockwell Hardness—Test Methods E18.

13.4 Brinell Hardness—Test Method E10.

13.5 Hardness Conversion—Hardness Conversion Tables E140.

13.6 Rounding Method—For purposes of determining compliance with the limits in this specification, an observed value or a calculated value shall be rounded off as indicated below, in accordance with the rounding-off method of Practice E29.

| Requirement  | Rounded-Off Unit for Observed or Calculated Value  |
|--|--|
| Chemical composition                                 | nearest unit in the last right-hand place of figures of the specified limit. If two choices are possible, as when the digits dropped are exactly a 5 or a 5 followed only by zeros, choose the one ending in an even digit with zero defined as an even digit. |
| hardness and tolerances (when expressed in decimals) |  |
| Tensile and yield strengths                          | nearest 1000 psi (6.9 MPa)   |
| Elongation   | nearest 1 %  |

14. Inspection

14.1 Inspection of the material by the purchaser shall be as agreed upon by the purchaser and the supplier as part of the purchase contract.

15. Rejection and Rehearing

15.1 Material that fails to conform to the requirements of this specification may be rejected. Rejection should be reported to the producer or supplier promptly and in writing. In case of dissatisfaction with the results of the test, the producer or supplier may make claim for a rehearing.

TABLE 2 Mechanical Properties

| Condition | Tensile Strength, Min psi (MPa) | Yield Strength, 0.2 % Offset, Min psi (MPa) | Elongation in 2 in. or 50 mm, or 4D, Min % | Hardness <sup>A</sup> |
|-----------|---------------------------------|---|--|-----------------------|
| Annealed  | 80 000 (551)                    | 35 000 (241)                                | 30   | 75 to 95 HRB          |

<sup>A</sup> Hardness values are informative only and not to be construed as the basis for acceptance.

**TABLE 3 Permissible Variations in Thickness for Plates<sup>A</sup>**

| Specified Thickness, in. (mm)                       | Width, in. (mm)   |                                    |                                     |                 |
|---|---|------------------------------------|-------------------------------------|-----------------|
|   | To 84 (2134), incl  | Over 84 (2134) to 120 (3048), incl | Over 120 (3048) to 144 (3658), incl | Over 144 (3658) |
|   | Tolerance Over specified Thickness, <sup>A,B</sup> in. (mm) |                                    |                                     |                 |
| $\frac{3}{16}$ (4.76) to $\frac{3}{8}$ (9.52), excl | 0.045 (1.14)  | 0.050 (1.27)                       | ...                                 | ...             |
| $\frac{3}{8}$ (9.52) to $\frac{1}{2}$ (19.05), excl | 0.055 (1.40)  | 0.060 (1.52)                       | 0.075 (1.90)                        | 0.090 (2.29)    |
| $\frac{1}{2}$ (19.05) to 1 (25.40), excl            | 0.060 (1.52)  | 0.065 (1.65)                       | 0.085 (2.16)                        | 0.100 (2.54)    |
| 1 (25.40) to 2 (50.80), excl                        | 0.070 (1.78)  | 0.075 (1.90)                       | 0.095 (2.41)                        | 0.115 (2.92)    |
| 2 (50.80) to 3 (76.20), excl                        | 0.125 (3.18)  | 0.150 (3.81)                       | 0.175 (4.44)                        | 0.200 (5.08)    |
| 3 (76.20) to 4 (101.6), excl                        | 0.175 (4.44)  | 0.210 (5.33)                       | 0.245 (6.22)                        | 0.280 (7.11)    |

<sup>A</sup> Thickness is measured along the longitudinal edges of the plate at least  $\frac{3}{8}$  in. (9.52 mm), but not more than 3 in. (76.20 mm), from the edge.

<sup>B</sup> For circles, the over thickness tolerances in this table apply to the diameter of the circle corresponding to the width ranges shown. For plates of irregular shape, the over thickness tolerances apply to the greatest width corresponding to the width ranges shown. For plates up to 10 in. (254.0 mm), incl, in thickness, the tolerance under the specified thickness is 0.010 in. (0.25 mm).

## 16. Certification

16.1 When specified in the purchase order or contract, a producer's or supplier's certification shall be furnished to the purchaser that the material was manufactured, sampled, tested, and inspected in accordance with this specification and has been found to meet the requirements. When specified in the purchase order or contract, a report of the test results shall be furnished.

## 17. Packaging and Marking

17.1 Material shall be bundled or boxed in such a manner as to assure undamaged delivery to its destination when properly transported by a common carrier.

17.2 Each piece (or bundle, where applicable) shall be marked with the grade of the material or UNS number and heat number.

## 18. Keywords

18.1 plate; UNS N06333

**TABLE 4 Width and Length Tolerances for Plates<sup>A,B</sup>**

| Width, in.           | Length, in.     | Tolerance Over Specified Width and Length for Given Width, Length, and Thickness, in. |        |                                    |        |                           |        |
|----------------------|-----------------|---|--------|------------------------------------|--------|---------------------------|--------|
|                      |                 | Under 3/8 in.   |        | 3/8 to 1/2 in., incl, in Thickness |        | Over 1/2 in. in Thickness |        |
|                      |                 | Width   | Length | Width                              | Length | Width                     | Length |
| 48 and under         | 144 and under   | 1/8   | 3/16   | 3/16                               | 1/4    | 5/16                      | 3/8    |
| Over 48 to 60, incl  |                 | 3/16  | 1/4    | 1/4                                | 5/16   | 3/8                       | 7/16   |
| Over 60 to 84, incl  |                 | 1/4   | 5/16   | 5/16                               | 3/8    | 7/16                      | 1/2    |
| Over 84 to 108, incl |                 | 5/16  | 3/8    | 3/8                                | 7/16   | 1/2                       | 9/16   |
| Over 108             |                 | 3/8   | 7/16   | 7/16                               | 1/2    | 5/8                       | 11/16  |
| 48 and under         | over 144 to 240 | 3/16  | 3/8    | 1/4                                | 1/2    | 5/16                      | 5/8    |
| Over 48 to 60, incl  |                 | 1/4   | 7/16   | 5/16                               | 5/8    | 3/8                       | 3/4    |
| Over 60 to 84, incl  |                 | 3/8   | 1/2    | 7/16                               | 11/16  | 1/2                       | 3/4    |
| Over 84 to 108, incl |                 | 7/16  | 9/16   | 1/2                                | 3/4    | 5/8                       | 7/8    |
| Over 108             |                 | 1/2   | 5/8    | 5/8                                | 7/8    | 11/16                     | 1      |
| 48 and under         | over 240 to 360 | 1/4   | 1/2    | 5/16                               | 5/8    | 3/8                       | 3/4    |
| Over 48 to 60, incl  |                 | 5/16  | 5/8    | 3/8                                | 3/4    | 1/2                       | 3/4    |
| Over 60 to 84, incl  |                 | 7/16  | 11/16  | 1/2                                | 3/4    | 5/8                       | 7/8    |
| Over 84 to 108, incl |                 | 9/16  | 3/4    | 5/8                                | 7/8    | 3/4                       | 1      |
| Over 108             |                 | 5/8   | 7/8    | 11/16                              | 1      | 7/8                       | 1      |
| 60 and under         | over 360 to 480 | 7/16  | 11/8   | 1/2                                | 11/4   | 5/8                       | 13/8   |
| Over 60 to 84, incl  |                 | 1/2   | 11/4   | 5/8                                | 13/8   | 3/4                       | 11/2   |
| Over 84 to 108, incl |                 | 9/16  | 11/4   | 3/4                                | 13/8   | 7/8                       | 11/2   |
| Over 108             |                 | 3/4   | 13/8   | 7/8                                | 11/2   | 1                         | 15/8   |
| 60 and under         | over 480 to 600 | 7/16  | 11/4   | 1/2                                | 11/2   | 5/8                       | 15/8   |
| Over 60 to 84, incl  |                 | 1/2   | 13/8   | 5/8                                | 11/2   | 3/4                       | 15/8   |
| Over 84 to 108, incl |                 | 5/8   | 13/8   | 3/4                                | 11/2   | 7/8                       | 15/8   |
| Over 108             |                 | 3/4   | 11/2   | 7/8                                | 15/8   | 1                         | 13/4   |
| 60 and under         | over 600        | 1/2   | 13/4   | 5/8                                | 17/8   | 3/4                       | 17/8   |
| Over 60 to 84, incl  |                 | 5/8   | 13/4   | 3/4                                | 17/8   | 7/8                       | 17/8   |
| Over 84 to 108, incl |                 | 5/8   | 13/4   | 3/4                                | 17/8   | 7/8                       | 17/8   |
| Over 108             |                 | 7/8   | 13/4   | 1                                  | 2      | 11/8                      | 21/4   |

  

| Width, mm               | Length, mm            | Tolerance Over Specified Width and Length for Given Width, Length, and Thickness, mm |        |                                   |        |                           |        |
|-------------------------|-----------------------|--|--------|-----------------------------------|--------|---------------------------|--------|
|                         |                       | Under 9.5 mm   |        | 9.5 to 12.7 mm, incl in Thickness |        | Over 12.7 mm in Thickness |        |
|                         |                       | Width  | Length | Width                             | Length | Width                     | Length |
| 1219 mm and under       | 3658 and under        | 3.2  | 4.8    | 4.8                               | 6.4    | 7.9                       | 9.5    |
| Over 1219 to 1524, incl |                       | 4.8  | 6.4    | 6.4                               | 7.9    | 9.5                       | 11.1   |
| Over 1524 to 2134, incl |                       | 6.4  | 7.9    | 7.9                               | 9.5    | 11.1                      | 12.7   |
| Over 2134 to 2743, incl |                       | 7.9  | 9.5    | 9.5                               | 11.1   | 12.7                      | 14.3   |
| Over 2743               |                       | 9.5  | 11.1   | 11.1                              | 12.7   | 15.9                      | 17.5   |
| 1219 mm and under       | over 3658 to 6096     | 4.8  | 9.5    | 6.4                               | 12.7   | 7.9                       | 15.9   |
| Over 1219 to 1524, incl |                       | 6.4  | 11.1   | 7.9                               | 15.9   | 9.5                       | 19.1   |
| Over 1524 to 2134, incl |                       | 9.5  | 12.7   | 11.1                              | 17.5   | 12.7                      | 19.1   |
| Over 2134 to 2743, incl |                       | 11.1   | 14.3   | 12.7                              | 19.1   | 15.9                      | 22.2   |
| Over 2743               |                       | 12.7   | 15.9   | 15.9                              | 22.2   | 17.5                      | 25.4   |
| 1219 mm and under       | over 6096 to 9144     | 6.4  | 12.7   | 7.9                               | 15.9   | 9.5                       | 19.1   |
| Over 1219 to 1524, incl |                       | 7.9  | 15.9   | 9.5                               | 19.1   | 12.7                      | 19.1   |
| Over 1524 to 2134, incl |                       | 11.1   | 17.5   | 12.7                              | 19.1   | 15.9                      | 22.2   |
| Over 2134 to 2743, incl |                       | 14.3   | 19.1   | 15.9                              | 22.2   | 19.1                      | 25.4   |
| Over 2743               |                       | 15.9   | 22.2   | 17.5                              | 25.4   | 22.2                      | 25.4   |
| 1524 mm and under       | over 9144 to 12 192   | 11.1   | 28.6   | 12.7                              | 31.8   | 15.9                      | 34.9   |
| Over 1524 to 2134, incl |                       | 12.7   | 31.8   | 15.9                              | 34.9   | 19.1                      | 38.1   |
| Over 2134 to 2743, incl |                       | 14.3   | 31.8   | 19.1                              | 34.9   | 22.2                      | 38.1   |
| Over 2743               |                       | 19.1   | 34.9   | 22.2                              | 38.1   | 25.4                      | 41.3   |
| 1524 mm and under       | over 12 192 to 15 240 | 11.1   | 31.8   | 12.7                              | 38.1   | 15.9                      | 41.3   |
| Over 1524 to 2134, incl |                       | 12.7   | 34.9   | 15.9                              | 38.1   | 19.1                      | 41.3   |
| Over 2134 to 2743, incl |                       | 15.9   | 34.9   | 19.1                              | 38.1   | 22.2                      | 41.3   |
| Over 2743               |                       | 19.1   | 38.1   | 22.2                              | 41.3   | 25.4                      | 44.3   |
| 1524 mm and under       | over 15 240           | 12.7   | 44.5   | 15.9                              | 47.6   | 19.1                      | 47.6   |
| Over 1524 to 2134, incl |                       | 15.9   | 44.5   | 19.1                              | 47.6   | 22.2                      | 47.6   |
| Over 2134 to 2743, incl |                       | 15.9   | 44.5   | 19.1                              | 47.6   | 22.2                      | 47.6   |
| Over 2743               |                       | 22.2   | 44.5   | 25.4                              | 50.8   | 28.6                      | 57.2   |

<sup>A</sup> The tolerance under specified width and length is 1/4 in. (6.4 mm).

<sup>B</sup> Rectangular plates over 1 in. (25.4 mm) in thickness are not commonly sheared and are machined or otherwise cut to length and width or produced in the size as rolled, uncropped.

**TABLE 5 Camber Tolerance for Plates**

Tolerance = 1/8 in. (3.2 mm) × [ft(cm) of length/5 ft (152 cm)]

**TABLE 6 Flatness Tolerances for Plates, in.**

| Specified Thickness, in. | Flatness Tolerance (Deviation from A Flat Horizontal Surface) for Thickness and Width Given, in. |                     |                |                |                |                 |                  |                  |              |
|--------------------------|--|---------------------|----------------|----------------|----------------|-----------------|------------------|------------------|--------------|
|                          | Width, in.   |                     |                |                |                |                 |                  |                  |              |
|                          | 48 and Under   | Over 48 to 60, excl | 60 to 72, excl | 72 to 84, excl | 84 to 96, excl | 96 to 108, excl | 108 to 120, excl | 120 to 144, excl | 144 and Over |
| 3/16 to 1/4, excl        | 3/4  | 1 1/16              | 1 1/4          | 1 3/8          | 1 5/8          | 1 5/8           | 1 7/8            | 2                |              |
| 1/4 to 3/8, excl         | 1 1/16   | 3/4                 | 1 5/16         | 1 1/8          | 1 3/8          | 1 7/16          | 1 9/16           | 1 7/8            |              |
| 3/8 to 1/2, excl         | 1/2  | 9/16                | 1 1/16         | 3/4            | 1 5/16         | 1 1/8           | 1 1/4            | 1 7/16           |              |
| 1/2 to 3/4, excl         | 1/2  | 9/16                | 5/8            | 5/8            | 1 3/16         | 1 1/8           | 1 1/8            | 1 1/8            | 1 3/4        |
| 3/4 to 1, excl           | 1/2  | 9/16                | 5/8            | 5/8            | 3/4            | 1 9/16          | 1 9/16           | 1                | 1 3/8        |
| 1 to 1 1/2, excl         | 1/2  | 9/16                | 9/16           | 9/16           | 1 1/16         | 1 1/16          | 1 1/16           | 3/4              | 1 1/8        |
| 1 1/2 to 4, excl         | 3/16   | 5/16                | 3/8            | 7/16           | 1/2            | 9/16            | 5/8              | 3/4              | 1            |
| 4 to 6, excl             | 1/4  | 3/8                 | 1/2            | 9/16           | 5/8            | 3/4             | 7/8              | 1                | 1 1/8        |

  

| Specified Thickness, mm | Flatness Tolerance (Deviation from A Flat Horizontal Surface) for Thickness and Width Given, mm |                         |                    |                    |                    |                    |                    |                    |               |
|-------------------------|---|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|
|                         | Width, mm   |                         |                    |                    |                    |                    |                    |                    |               |
|                         | 1219 and Under  | Over 1219 to 1524, excl | 1524 to 1829, excl | 1829 to 2134, excl | 2134 to 2438, excl | 2438 to 2743, excl | 2743 to 3048, excl | 3048 to 3658, excl | 3658 and Over |
| 4.76 to 6.35, excl      | 19.1  | 27.0                    | 31.8               | 34.9               | 41.3               | 41.6               | 47.6               | 50.8               |               |
| 6.35 to 9.53, excl      | 17.5  | 19.1                    | 23.8               | 28.6               | 34.9               | 36.5               | 39.7               | 47.6               |               |
| 9.53 to 12.7, excl      | 12.7  | 14.3                    | 17.5               | 19.1               | 23.8               | 28.6               | 31.8               | 36.5               | 44.5          |
| 12.7 to 19.05, excl     | 12.7  | 14.3                    | 15.9               | 15.9               | 20.6               | 28.6               | 28.6               | 28.6               | 34.9          |
| 19.05 to 25.4, excl     | 12.7  | 14.3                    | 15.9               | 15.9               | 19.1               | 20.6               | 23.8               | 25.4               | 28.6          |
| 25.4 to 38.1, excl      | 12.7  | 14.3                    | 14.3               | 14.3               | 17.5               | 17.5               | 17.5               | 19.1               | 25.4          |
| 38.1 to 102, excl       | 4.8   | 7.9                     | 9.5                | 11.1               | 12.7               | 14.3               | 15.9               | 19.1               | 22.2          |
| 102 to 152, excl        | 6.4   | 9.5                     | 12.7               | 14.3               | 15.9               | 19.1               | 22.2               | 25.4               | 28.6          |

**TABLE 7 Recommended Plate Flame-Cutting Tolerances to Clean up in Machining**

| Specified Thickness, in. (mm) | Machining Allowance per Edge, in. (mm) |
|-------------------------------|--|
| Under 2 (51)                  | 1/4 (6.4)                              |
| Over 2 to 3 (51 to 76), incl  | 3/8 (9.5)                              |
| Over 3 to 6 (76 to 152), incl | 1/2 (12.7)                             |

**TABLE 8 Abrasive-Cutting Width and Length Tolerances**

| Specified Thickness, in. (mm)  | Tolerance Over <sup>A</sup> Specified Width and Length, in. (mm) |            |
|--------------------------------|--|------------|
|                                | Width  | Length     |
| Up to 1 1/4 (32)               | 1/8 (3.2)  | 1/8 (3.2)  |
| Over 1 1/4 to 2 1/4 (32 to 70) | 3/16 (4.8)   | 3/16 (4.8) |

<sup>A</sup> The tolerance under specified width and length is 1/8 in. (3.2 mm).

**SUMMARY OF CHANGES**

Committee B02 has identified the location of selected changes to this standard since the last issue (B718 – 00 (2016)) that may impact the use of this standard. (Approved April 1, 2022.)

- (1) Remove UNS number, sheet, and strip from title. This material is no longer produced in sheet or strip, thus the two product forms are removed from the title.
- (2) Remove all references to sheet and strip and renumber each section of the specification accordingly, including Sections 3, 4, 8, and 9.

- (3) Remove all tables that were specific to sheet and strip only and renumber remaining tables accordingly.

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