# ASTM and SAE-AMS Standards and Specifications for STAINLESS STEEL

**Stock #: STEEL03**

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B 912-02  Standard Specification for Passivation of Stainless Steels Using Electropolishing

C 692-00  Standard Test Method for Evaluating the Influence of Thermal Insulations on External Stress Corrosion Cracking Tendency of Austenitic Stainless Steel

C 929-94 (2000)  Standard Practice for Handling, Transporting, Shipping, Storage, Receiving, and Application of Thermal Insulation Materials For Use in Contact with Austenitic Stainless Steel

D 2651-01  Standard Guide for Preparation of Metal Surfaces for Adhesive Bonding

E 112-96   Standard Test Methods for Determining Average Grain Size

E 140-02  Standard Hardness Conversion Tables for Metals Relationship Among Brinell Hardness, Vickers Hardness, Rockwell Hardness, Superficial Hardness, Knoop Hardness, and Scleroscope Hardness

E 572-02  Standard Test Method for X-Ray Emission Spectrometric Analysis of Stainless Steel


F 594-02  Standard Specification for Stainless Steel Nuts

F 621-02  Standard Specification for Stainless Steel Forgings for Surgical Implants

F 738M-02  Standard Specification for Stainless Steel Metric Bolts, Screws, and Studs

F 745-00  Standard Specification for 18 Chromium-12.5 Nickel-2.5 Molybdenum Stainless Steel for Cast and Solution-Annealed Surgical Implant Applications

F 836M-02  Standard Specification for Style 1 Stainless Steel Metric Nuts

F 837-02a  Standard Specification for Stainless Steel Socket Head Cap Screws

F 879M-02a  Standard Specification for Stainless Steel Socket Button and Flat Countersunk Head Cap Screws [Metric]

F 880-02  Standard Specification for Stainless Steel Socket-Set Screws

F 899-02  Standard Specification for Stainless Steel for Surgical Instruments


F 1089-02  Standard Test Method for Corrosion of Surgical Instruments

F 1350-02  Standard Specification for Wrought 18 Chromium-14 Nickel-2.5 Molybdenum Stainless Steel Surgical Fixation Wire (UNS S31673)


F 1744-96 (2002) _1  Standard Guide for Care and Handling of Stainless Steel Surgical Instruments

F 2215-03  Standard Specification for Balls, Bearings, Ferrous and Non-Ferrous for Use in Bearings, Valves, and Bearing Applications


F 2257-03  Standard Specification for Wrought Seamless or Welded and Drawn 18 Chromium-14Nickel-2.5Molybdenum Stainless Steel Small Diameter Tubing for Surgical Implants (UNS S31673)

G 35-98  Standard Practice for Determining the Susceptibility of Stainless Steels and Related Nickel-Chromium-Iron Alloys to Stress-Corrosion Cracking in Polythionic Acids


G 48-03  Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution

SAE (Society of Automotive Engineers) and AMS (Aerospace Material Specifications)

5340D Steel, Corrosion Resistant, Investment Castings 14Cr - 4.25Ni - 2.25Mo - 0.25Cb - 3.25Cu
Homogenization and Solution Heat Treated

5342D Steel, Corrosion Resistant, Investment Castings 16Cr - 4.1Ni - 0.28Cb - 3.2Cu Homogenization, Solution,
and Precipitation Heat Treated (H1100) 130 ksi (896 MPa) Tensile Strength

5343D Steel, Corrosion Resistant, Investment Castings 16Cr - 4.0Ni - 2.8Cb - 3.2Cu Homogenization, Solution,
and Precipitation Heat Treated (H1000) 150 ksi (1034 MPa) Tensile Strength

5334D Steel, Corrosion Resistant, Investment Castings 16Cr - 4.1Ni - 0.28Cb - 3.2Cu Homogenization, Solution
and Precipitation Heat Treated (H900) 180 ksi (1241 MPa) Tensile Strength

5346B Steel, Corrosion Resistant, Investment Castings, 15Cr - 4.6Ni - 0.22Cb - 2.8Cu, solution and Precipitation
Heat Treated (H925) 180 KSI (1241 MPa) Tensile Strength

5347A Steel, Corrosion Resistant, Investment Castings, 15Cr - 4.6Ni - 0.22Cb - 2.8Cu Solution and Precipitation
Heat Treated (H1000) 150 KSI (1034 MPa) Tensile Strength

5349C Steel, Corrosion Resistant, Investment Castings 13Cr, Free Machining, Hardened and Tempered

5350H Steel, Corrosion and Moderate Heat Resistant, Investment Castings 12.5Cr (SAE 51410) Hardened and
Tempered

5352D Steel, Corrosion Resistant, Investment Castings 17Cr - 0.55Mo (0.95-1.20C) Annealed

5333C Steel, Corrosion Resistant, Investment Castings 16Cr - 1.8Ni - 0.08N As Cast

5354E Steel, Corrosion Resistant, Investment Castings 13Cr - 2.0Ni - 3.0W Hardened and Tempered

5355H Steel, Corrosion Resistant, Investment Castings 16Cr - 4.1Ni - 0.28Cb - 3.2Cu Homogenization and
Solution Heat Treated or Homogenization, Solution, and Precipitation Heat Treated

5356B Steel, Corrosion Resistant, Investment Castings 15Cr - 4.6Ni - 0.22Cb - 2.8Cu Solution and Precipitation
Heat Treated (H1100) 130 KSI (896 MPa) Tensile Strength

5357B Steel, Corrosion Resistant, Investment Castings 15Cr - 4.6Ni - 0.22Cb - 2.8Cu Solution Heat Treated,
Precipitation Hardenable

5360E Steel, Corrosion and Heat Resistant, Investment Castings 17Cr - 13Ni - 1.9Mo Solution Heat Treated

5362K Steel, Corrosion and Heat Resistant, Investment Castings, 19Cr - 12 Ni - 1.0(Cb + Ta) Solution Heat
Treated

5364B Steel, Corrosion and Heat Resistant, Investment Castings 19.5Cr - 10.5Ni - 0.65Cb Solution Heat Treated

5366D Steel, Corrosion and Heat Resistant, Investment Casting 25Cr - 20Ni (CK-20) As Cast

5368C Steel, Corrosion Resistant, Investment Castings 15Cr - 4.0Ni - 2.3 Mo - 0.09N Solution Heat Treated

5370C Steel, Corrosion and Heat Resistant, Investment Casting 19Cr - 9.5Ni Solution Heat Treated

5398E Steel, Corrosion Resistant, Sand and Centrifugal Castings 16Cr - 4.1Ni - 0.22(Cb + Ta) - 2.8Cu Solution
Heat Treated

5400A Steel, Corrosion Resistant, Investment Castings, 15Cr - 4.6Ni - 0.22Cb - 2.8Cu, Solution and Precipitation
Heat Treated (H935) 170 ksi (1172 MPa) Tensile Strength

5412 Steel Castings, Vacuum Melted, Vacuum Cast, Investment, Corrosion Resistant 13Cr - 8.0Ni - 2.2Mo -
1.1Al (195,000 psi) (1344 MPa) Tensile Strength (Condition H1000) Homogenized, Solution, Precipitation
Heat Treated

5500E Steel, Corrosion Resistant, Laminated, Sheet Surface Bonded
5501E Steel, Corrosion Resistant, Sheet, Strip, and Foil 19Cr - 9.5Ni (304) Cold Rolled, 125 ksi (862 MPa) Tensile Strength

5503D Steel, Corrosion Resistant, Sheet, Strip, and Plate, 17Cr (SAE 51430) Annealed

5504M Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 12.5Cr (SAE 51410) Annealed

5505E Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 12Cr (SAE 51410) Ferrite Controlled, Annealed

5506F Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate, 13Cr (0.30-0.40C) (SAE 51420) Annealed

5507F Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate, 17Cr - 13Ni - 2.5Mo(SAE 30316L) Solution Heat Treated

5508F Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 13Cr - 2.0Ni - 3.0W Annealed

5510P Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 18Cr 10.5Ni 0.40Ti (SAE 30321) Solution Heat Treated

5511H Steel, Corrosion-Resistant, Sheet, Strip, and Plate 19Cr - 9.5Ni (304L) Solution heat Treated

5512K Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 18Cr - 10.5Ni - 0.80Cb (SAE 30347) Solution Heat Treated

5513G Steel, Corrosion Resistant, Sheet, Strip, and Plate 19Cr 9.2Ni (SAE 30304) Solution Heat Treated

5514G Steel, Corrosion Resistant, Sheet, Strip, and Plate 18Cr - 11.5Ni (SAE 30305) Solution Heat Treated

5515L Steel, Corrosion Resistant, Sheet, Strip, and Plate 18Cr - 8.5Ni (302) Solution Heat Treated, High Ductility

5516M Steel, Corrosion Resistant, Sheet, Strip, and Plate 18Cr - 9.0Ni (SAE 30302) Solution Heat Treated

5517L Steel, Corrosion Resistant, Sheet and Strip 18Cr - 8Ni (SAE 30301) Cold Rolled, 125 ksi (862 MPa) Tensile Strength

5518K Steel, Corrosion Resistant, Sheet and Strip 18Cr - 8Ni (SAE 30301) Cold Rolled, 150 ksi (1034 MPa) Tensile Strength

5519M Steel, Corrosion Resistant, Sheet and Strip 18Cr - 8Ni (SAE 30301) Cold Rolled, 185 ksi (1276 MPa) Tensile Strength

5520E Steel, Corrosion and Heat Resistant, Sheet, Strip, Foil and Plate 15Cr - 7.1Ni - 2.5Mo - 1.1Al Solution Heat Treated, Precipitation Hardenable

5521G Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 25Cr - 20Ni (SAE 30310S) Solution Heat Treated

5523E Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate, 23Cr - 13.5Ni (SAE 30309S) Solution Heat Treated

5524K Steel, Corrosion and Heat-Resistant, Sheet, Strip and Plate 18Cr - 13Ni - 2.5Mo (SAE 30316) Solution Heat Treated

5525H Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V 1800 °F (982 ºC) Solution Heat Treated

5528F Steel, Corrosion Resistant, Sheet, Strip, and Plate 17Cr - 7.1Ni - 1.1A, Solution Heat Treated, Precipitation Hardenable

5529G Steel, Corrosion Resistant, Sheet and Strip 17Cr - 7.1Ni - 1.1Al Solution Heat Treated and Cold Rolled Precipitation Hardenable 0.0015 to 0.050 Inch (0.038 to 1.27 mm) Nominal Thickness

5547G Steel, Corrosion and Heat Resistant, Sheet and Strip 15.5Cr - 4.5Ni - 2.9Mo - 0.10N Solution Heat Treated

5548M Steel, Corrosion and Heat Resistant, Sheet and Strip 16.5Cr - 4.5Ni - 2.9Mo - 0.10N 1850 to 1975 °F (1010 to 1079 ºC) Annealed

5554D Steel, Corrosion and Heat Resistant, Seamless Tubing 16.5Cr - 4.5Ni - 2.9Mo - 0.10N Annealed

5556H Steel, Corrosion and Heat-Resistant, Seamless or Welded Tubing 18Cr - 11Ni - 0.70Cb (SAE 30347) Solution Heat Treated

5557J Steel, Corrosion and Heat Resistant, Seamless or Welded Hydraulic Tubing 18.5Cr - 10.5Ni - 0.40Ti (SAE 30321) Solution Heat Treated

5558G Steel, Corrosion and Heat-Resistant, Welded Tubing 18Cr - 10.5Ni - 0.70Cb (SAE 30347) Thin Wall Solution Heat Treated

5559J Steel, Corrosion and Heat Resistant, Welded Tubing 18Cr - 10.5Ni - 0.40Ti (SAE 30321) Thin Wall Solution Heat Treated
Steel, Corrosion Resistant, Seamless Tubing 19Cr - 10Ni (SAE 30304) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Welded and Drawn or Seamless and Drawn Tubing 9.0Mn - 20Cr - 6.5Ni - 0.28N High-Pressure Hydraulic

Steel, Corrosion and Heat Resistant, Seamless Tubing 9.0Mn - 20Cr - 6.5Ni - 0.28N Solution Heat Treated

Steel, Corrosion Resistant, Seamless or Welded Tubing, 19Cr- 9.5Ni (SAE 30304) Cold Drawn, _ Hard Temper

Steel, Corrosion Resistant, Tubing 19Cr - 10Ni (SAE 30304) High-Pressure Hydraulic, Welded Plus Ultrasonically Tested or Seamless Cold Drawn, One Eighth - Hard Temper

Steel, Corrosion Resistant, Welded Tubing 19Cr - 9.5Ni (SAE 30304) Solution Heat Treated

Steel, Corrosion Resistant, Seamless or Welded Tubing 19Cr - 10Ni (SAE 30304) High Pressure, Cold Drawn

Steel, Corrosion Resistant, Seamless or Welded Tubing 19Cr - 10Ni (SAE 30304) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Welded Tubing 17Cr - 7.1Ni - 1.1Al Solution Heat Treated, Precipitation-Hardenable

Steel, Corrosion and Heat Resistant, Seamless and Welded Hydraulic Tubing 19Cr - 9.5Ni - 0.03C max, Cold Drawn, 1/8 Hard Temper

Steel, Corrosion and Heat Resistant, Seamless Tubing 18Cr - 11Ni - 0.40Ti (SAE 30321) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Seamless Tubing 18Cr - 10.5Ni - 0.70Cb (SAE 30347) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Seamless Tubing 25Cr - 20Ni (SAE 30310S) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Seamless Tubing 17Cr - 12.5Ni - 2.5Mo (SAE 30316) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Seamless Tubing 23Cr - 13.5 Ni (SAE 30309S) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Welded Tubing, 18Cr - 10.5Ni - 0.70Cb (SAE 30347) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Welded Tubing 18Cr - 10.5Ni - 0.40Ti (SAE 30321) Solution Heat Treated

Steel, Corrosion and Heat Resistant, Welded Tubing 25Cr - 20Ni (SAE 30310) Solution Heat Treated

Steel, Corrosion and Heat-Resistant, Welded Tubing 12Cr - 8.5Ni - 0.03Cb - 1.1Ti - 2.0Cu Vacuum Induction Plus Vacuum Consumable Electrode Vacuum Melted Solution Heat Treated, Precipitation Hardenable

Steel, Corrosion and Heat Resistant, Seamless and Welded Hydraulic Tubing 17Cr - 12Ni - 2.5Mo - 0.003C max Cold Drawn, 1/8 Hard Temper

Steel, Corrosion and Heat Resistant, Tubing, Seamless 12.5Cr (SAE 51410) Annealed

Steel, Corrosion Resistant, Sheet, Strip, and Plate 0.9Mn - 20Cr - 6.5Ni - 2.8N Solution Heat Treated

Steel, Corrosion Resistant, Sheet Laminated, Edge Bonded

Steel, Corrosion Resistant, Sheet, Strip, and Plate 16.5Cr - 4.0Ni - 4.0Cu - 0.30Cb Solution Heat Treated, Precipitation Hardenable

Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 12Cr - 0.12Cb (SAE 51410 Modified) Ferrite Controlled, Annealed

Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 12.5Cr - Low Carbon (SAE 51416, 51416Se) Free-Machining

Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings, 12Cr Ferrite Controlled, Consumable Electrode Melted

Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 12Cr Ferrite Controlled, Annealed

Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 12.5Cr (SAE 51410) Annealed

Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 12Cr - 0.5Mo Annealed
5616L Steel, Corrosion and Heat-Resistant, Bars, Wire, Forgings, Tubing, and Rings 13Cr - 2.0Ni - 3.0W Annealed

5617H Steel Bars, Corrosion Resistant, Bars, Wire, and Forgings 12Cr - 8.5Ni - 1.2Ti - 2.0Cu Vacuum Induction Plus Vacuum Consumable Electrode Melted, Solution Heat Treated, Precipitation Hardenable

5618F Steel, Corrosion Resistant, Bars, Wire, and Forgings 17Cr - 0.52Mo (0.95-1.20C) (SAE 51440C) Consumable Electrode Vacuum Melted

5620F Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 13Cr (0.30 - 0.40C) (SAE 51420F, 51420FSe) Free-Machining Grade

5621E Steel, Corrosion Resistant, Bars, Wire, and Forgings 13Cr (0.30-0.40C) (SAE 51420) Annealed

5622D Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing, and Rings 16Cr - 4.0Ni - 0.30Cb - 4.0Cu Solution Heat Treated, Precipitation Hardenable

5627G Steel, Corrosion and Heat-Resistant, Bars, Wire, Forgings, Tubing, and Rings 17Cr (SAE 51430) Annealed

5628F Steel, Corrosion Resistant, Bars, Wire, Forgings, and Tubing, 16.2Cr - 2.5Ni (SAE 51431)

5629E Steel, Corrosion Resistant, Bars, Wire, Forgings, Rings, and Extrusions 13Cr - 8.0Ni - 2.2Mo - 1.1Al Vacuum Induction Plus Consumable Electrode Melted Solution Heat Treated, Precipitation Hardenable

5630G Steel, Corrosion Resistant, Bars, Wire, and Forgings, 17Cr - 0.52Mo (0.95-1.20C) (SAE 51440C)

5631D Steel, Corrosion Resistant, Bars and Forgings 17Cr (0.60-0.75C) (SAE 51440A)

5632G Steel, Corrosion Resistant, Bars, Wire, and Forgings 17Cr - 0.5Mo (0.95-1.20C) (SAE 51440F) Free-Machining

5635E Steel, Corrosion Resistant, Bars, Wire, and Forgings 18Cr - 9Ni - 0.21Pb (303Pb) Free-Machining, Solution Heat Treated

5636E Steel Corrosion Resistant, Bars and Wire 18Cr - 9.0Ni (SAE 30302) Solution Heat Treated and Cold Drawn. 100 ksi (689 MPa) Tensile Strength

5637G Steel, Corrosion Resistant, Bars and Wire 18Cr - 9.0Ni (SAE 30302) Solution Heat Treated and Cold Drawn 125 ksi (862 MPa) Tensile Strength

5638E Steel, Corrosion Resistant, Bars, and Forgings 0.14S - 18Cr - 9.5Ni - 0.50Mo - 0.80Al, Free-Machining; Swaging or Upsetting Solution Heat Treated

5639H Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing, and Rings 19Cr - 10Ni Solution Heat Treated

5640T Steel, Corrosion-Resistant, Bars, Wire, and Forgings 18.5Cr - 9Ni Free Machining

5641F Steel, Corrosion Resistant, Bars, Wire, and Forgings 18.5Cr - 10Ni - 0.225s (SAE 30303Se) Free-Machining; Swaging or Upsetting Solution Heat Treated

5642K Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 18Cr - 10.5Ni - 0.60Cb Free-Machining, Solution Heat Treated

5643Q Steel, Corrosion-Resistant, Bars, Wire, Forgings, Tubing, and Rings 16Cr - 4.0Ni - 0.30Cb - 4.0Cu Solution Heat Treated, Precipitation Hardenable

5645P Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 18Cr - 10Ni - 0.40Ti (SAE 30321) Solution Heat Treated

5646M Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 18Cr - 11Ni - 0.60Cb (SAE 30347) Solution Heat Treated

5647H Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing and Rings 19Cr - 9.5Ni Solution Heat Treated

5648K Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 17Cr - 12Ni - 2.5Mo Solution Heat Treated

5649G Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 18Cr - 13Ni - 2.1Mo Free Machining Solution Heat Treated

5650E Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 23Cr - 13.5Ni (SAE 30309S) Solution Heat Treated

5651J Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 25Cr - 20Ni (SAE 30310) Solution Heat Treated

5652G Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 25Cr - 20Ni - 2.0Si (SAE 30314) Solution Heat Treated
5653F Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing and Rings 17Cr - 12Ni - 2.5Mo (0.030 Max C) Solution Heat Treated

5654E Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing and Rings 18Cr - 11Ni - 0.60(Cb+Ta) (SAE 30347) Premium Aircraft Quality, Consumable Electrode Melted, Solution Heat Treated

5655E Steel, Corrosion and Heat Resistant, Bars, Wire, and Forgings 12.5Cr - 0.75Ni - 1.0Mo - 1.0W - 0.24V (0.20-0.25C) Hardened and Tempered

5656D Steel, Corrosion Resistant, Bars, Wire, Forgings, Extrusions, and Rings 9.0Mn - 20Cr - 6.5Ni - 0.27N Solution Heat Treated

5659K Steel, Corrosion Resistant, Bars, Wire, Forgings, Rings, and Extrusion 15Cr - 4.5Ni - 0.30Cb - 3.5Cu, Consumable Electrode Melted, Solution Heat Treated, Precipitation Hardenable

5672C Steel Wire, Corrosion Resistant 11.8Cr - 8.5Ni - 0.30(Cb+Ta) - 1.1Ti - 2.0Cu Precipitation Hardenable, Spring Temper

5674E Steel, Corrosion and Heat Resistant, Wire 18Cr - 11.5Ni - 0.70Cb (SAE 30347) Solution Heat Treated

5678F Steel, Corrosion Resistant, Wire 17Cr - 7.1Ni - 1.1Al Cold Drawn, Precipitation Hardenable

5685K Steel, Corrosion Resistant, Safety Wire 18Cr - 11.5Ni (SAE 30305) Solution Heat Treated, Cold Finished

5686G Steel, Corrosion Resistant, Rivet Wire 18Cr - 11.5Ni (SAE 30305) Solution Heat Treated

5688K Steel, Corrosion and Heat Resistant, Wire 18Cr - 9.0Ni (SAE 30302) Spring Temper

5690L Steel, Corrosion and Heat Resistant, Wire 17Cr - 12Ni - 2.5Mo (SAE 30316) Solution Heat Treated

5697F Steel, Corrosion Resistant, Wire 19Cr - 9.5Ni (SAE 30304) Solution Heat Treated

5700E Steel, Corrosion and Heat Resistant, Bars, Forgings, and Rings 13.5Cr - 13.5Ni - 0.35Mo - 2.2W Annealed

5719C Steel Bars, Wire, Forgings, Tubing, Rings, and Extrusions, Corrosion Resistant 1.8Cr - 2.5Ni - 1.8Mo - 0.33V (0.08-0.15C) Annealed, Vacuum Arc or Electroslag Remelted

5726C Steel, Corrosion and Heat Resistant, Bars and Wire 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V 1800 ºF (982 ºC) Solution Heat Treated and Work-Strengthened, Consumable Electrode Melted 200 ksi (1379 MPa) Tensile Strength

5731K Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted, 1800 ºF (980 ºC) Solution Heat Treated

5732H Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted, 1800 ºF (980 ºC) Solution and Precipitation Heat Treated

5734J Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, and Tubing 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted, 1650 ºF (899 ºC) Solution Heat Treated

5737N Steel, Corrosion and Heat-Resistant, Bars, Wire, Forgings and Tubing 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted 1650 ºF (899 ºC), Solution and Precipitation Heat Treated

5738D Steel, Corrosion Resistant, Bars and Wire 18Cr - 9Ni (SAE 30303F) Free Machining, High Yield Strength, Solution Heat Treated and Cold Worked

5743J Steel, Corrosion and Heat Resistant, Bars and Forgings 15.5Cr - 4.5Ni - 2.9Mo - 0.10N Solution Heat Treated, Sub-Zero Cooled, Equalized, and Over-Tempered

5744E Steel, Corrosion and Heat Resistant, Bars and Forgings, 15.5Cr - 4.5Ni - 2.9Mo - 0.10N Heat Treated, 170 ksi (1172 MPa) Tensile Strength

5745F Steel, Corrosion and Heat-Resistant, Bars and Forgings 16.5Cr - 4.5Ni - 2.9Mo - 0.10N Equalized and Over-Tempered

5749D Steel, Corrosion Resistant, Bars, Wire, Forgings, and Tubing 14.5Cr - 4.0Mo - 1.2V (1.10-1.20C) Premium Quality For Bearing Applications, Double Vacuum Melted

5762E Steel, Corrosion Resistant, Bars, Wire, and Forgings 5.8Mn - 17Cr - 5.8Ni - 2.0Cu - 0.26S Free-Machining, Solution Heat Treated

5763C Steel, Corrosion Resistant Bars, Forgings, Tubing, and Rings 15Cr - 6.5Ni - 0.75Mo - 0.50 (Cb + Ta) - 1.5Cu Solution Heat Treated

5764E Steel, Corrosion-Resistant, Bars, Wire, Forgings, Extrusions, and Rings 5.0Mn - 22Cr - 12.5Ni - 2.2Mo - 0.20Cb - 0.30N - 0.20V Solution Heat Treated
5773D Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing, and Rings 15Cr - 6.5Ni - 0.75Mo - 0.30 (Cb+Ta) - 1.5Cu Consumable Electrode Melted, Solution Heat Treated Precipitation Hardenable

5810A Steel, Corrosion and Heat Resistant, Flat Wire 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V 1800 ºF (982 ºC) Solution Treated, Cold Drawn or Cold Rolled and Aged, Consumable Electrode Melted

5848B Steel, Corrosion Resistant, Bars, Wire, Forgings, Extrusions, Tubing, and Rings Wear and Galling Resistant 8.0Mn - 4.0Si - 17Cr - 8.5Ni - 0.13N Solution Heat Treated

5853B Steel, Corrosion and Heat Resistant, Bars and Wire 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted 1800 ºF (982 ºC) Solution Treated and Work-Strengthened 160 ksi (1103 MPa) Tensile Strength

5857A Steel, Corrosion Resistant, Bars and Wire 19Cr - 10Ni (SAE 30304) High Yield Strength Solution Heat Treated and Cold Worked

5858C Steel, Corrosion Resistant, Sheet, Strip, and Plate 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Multiple Melted, 1800 ºF (980 ºC) Solution Heat Treated, Welding Grade Precipitation Hardenable

5859D Steel, Corrosion Resistant, Sheet, Strip, and Plate 15C - 6.5Ni - 0.75Mo - 0.30Cb - 1.5Cu Consumable Electrode Melted, Solution Heat Treated Precipitation Hardenable

5860E Steel, Corrosion Resistant, Sheet, Strip, and Plate, 12Cr - 8.5Ni - 0.30Cb - 1.1Ti - 2.0Cu Multiple Melted, Solution Heat Treated Precipitation Hardenable

5862E Steel, Corrosion Resistant, Sheet, Strip, and Plate 15Cr - 4.5Ni - 0.30Cb - 3.5Cu Consumable Electrode Remelted, Solution Heat Treated, Precipitation Hardenable

5863D Steel, Corrosion Resistant, Sheet, Strip, and Plate 15Cr - 6.5Ni - 0.75Mo - 0.60Cb - 1.5Cu Solution Heat Treated, Precipitation Hardenable

5864B Steel, Corrosion Resistant, Plate 13Cr - 8.0Ni - 2.2Mo - 1.1Al Vacuum Induction Plus Consumable Electrode Melted Solution Heat Treated, Precipitation Hardenable

5866C Steel, Corrosion Resistant, Flat Wire 18Cr - 9.0Ni, (SAE 30302) Spring Temper

5867A Steel, Corrosion and Heat Resistant, Forgings 12.5Cr (SAE 51410) Enhanced Fracture Toughness, Annealed

5868A Steel, Corrosion Resistant, Seamless and Welded Aircraft Tubing 19Cr - 9.5Ni (SAE 30304) Cold Drawn, _ Hard Temper

5871D Alloy, Corrosion and Heat Resistant, Sheet, Strip and Plate 21Cr - 32.5Ni - 0.38Ti - 0.38Al - 45Fe Solution Heat Treated

5880B Steel, Corrosion Resistant, Bars, Forgings, and Wire 17Cr - 0.52Mo (0.95-1.20C) (SAE 51440C) For Bearing Applications

5895C Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Tubing, and Rings 15Cr - 25.5Ni - 1.2Mo - 2.1Ti - 0.006B - 0.30V Consumable Electrode Melted, 1750 ºF (954 ºC) Solution Heat Treated, Welding Grade Precipitation Hardenable

5896A Steel, Corrosion and Heat Resistant, Seamless or Welded Hydraulic Tubing 18.5Cr - 10.5Ni - 0.55Ti (SAE 30321) Solution Heat Treated and Cold Drawn, 1/8 Hard Temper

5897A Steel, Corrosion and Heat Resistant, Seamless or Welded Hydraulic Tubing 18.5Cr - 11Ni - 0.80Cb (SAE 30347) Solution Heat Treated and Cold Drawn, 1/8 Hard Temper

5898A Steel, Corrosion Resistant, Bars, Wire, and Forgings 15.2Cr - 1.0Mo - 0.40N - 0.28-0.34C) Consumable Electrode Melted Under Pressure

5899A Steel, Corrosion Resistant, Bars, Wire, and Forgings 17Cr - 0.52Mo (0.95-1.20C) Powder Metallurgy Product, Hot Isostatically Pressed

5900B Steel Bars, Forgings, and Tubing, Corrosion Resistant 14Cr - 2.1Mo - 0.30Cb - 1.0V (1.05-1.15C) Premium Aircraft Quality For Bearing Applications, Double Vacuum Melted

5901B Steel, Corrosion Resistant, Sheet, Strip, and Plate 18Cr - 8Ni (SAE 30301) Solution Heat Treated

5902B Steel, Corrosion Resistant, Sheet and Strip, 18Cr - 8Ni (SAE 30301) Cold Rolled, _ Hard, 175 ksi (1207 MPa) Tensile Strength

5903A Steel, Corrosion Resistant, Sheet, Strip, and Plate 18Cr - 9.0Ni (SAE 30302) Cold Rolled, _ Hard, 125 ksi (862 MPa) Tensile Strength

5904A Steel, Corrosion Resistant, Sheet and Strip 18Cr - 9.0Ni (SAE 30302) Cold Rolled, _ Hard, 150 ksi (1034 MPa) Tensile Strength
5905A Steel, Corrosion Resistant, Sheet and Strip 18Cr - 9.0Ni (SAE 30302) Cold Rolled, _ Hard, 175 ksi (1207 MPa) Tensile Strength

5906A Steel, Corrosion Resistant, Sheet and Strip 18Cr - 9.0Ni Cold Rolled, Full Hard, 185 ksi (1276 MPa) Tensile Strength

5907 Steel, Corrosion and Heat Resistant, Sheet, Strip, and Plate 17Cr - 12Ni - 2.5Mo (SAE 30316) Cold Rolled, _ Hard, 125 ksi (862 MPa) Tensile Strength

5910A Steel, Corrosion Resistant, Sheet, Strip, and Plate 19Cr - 9.2 Ni (SAE 30304) Cold Rolled, 125 ksi (862 MPa) Tensile Strength

5911A Steel, Corrosion Resistant, Sheet and Strip 19Cr - 9.2Ni (SAE 30304) Cold Rolled, _ Hard 150 ksi (1034 MPa) Tensile Strength

5912A Steel, Corrosion Resistant, Sheet and Strip 19Cr - 9.2Ni (SAE 30304) Cold Rolled, _ Hard, 175 ksi (1207 MPa)

5913A Steel, Corrosion Resistant, Sheet and Strip, 19Cr - 9.2Ni (SAE 30304) Cold Rolled, Full Hard, 185 ksi (1276 MPa) Tensile Strength

5925 Steel, Corrosion Resistant, Bars, Wire, and Forgings 15.5Cr - 1.8Mo - 0.20N (0.37 - 0.45 C) Electroslag Remelted

5930 Steel, Corrosion Resistant, Bars and Forgings 13.0Cr - 2.5Ni - 5.5Co - 2.0Mo - 0.60V (0.05-0.09C) Vacuum Induction Plus Vacuum Consumable Electrode Melted

5931 Steel, Bars, Wire, Forgings, Extrusions, Tubing, and Rings Wear, Galling, and Corrosion Resistant 5.0Mn - 3.5Si - 16.5Cr - 0.14Ni Solution Heat Treated

5932A Steel, Corrosion and Heat Resistant, Bars, Forgings and Tubing 14.5Cr - 2.3Ni - 12.5Co - 4.0Mo - 0.60V - 0.03Cb Premium Aircraft-Quality, Carburizing Double Vacuum Melted

5933 Steel, Corrosion Resistant Bars and Forgings 12.5Cr - 1.0Ni - 15.5Co - 2.0Mo Vacuum Induction Plus Vacuum Consumable Electrode Remelted

7445D Balls, Steel, Corrosion Resistant, 17Cr, Hardened

7490N Rings, Flash Welded, Corrosion and Heat Resistant Austenitic Steels, Austenitic-Type Iron, Nickel, or Cobalt Alloys, or Precipitation-Hardenable Alloys

7493L Rings, Flash Welded Ferritic and Martensitic Corrosion-Resistant Steels

AMS-QQ-S-763A Steel, Corrosion Resistant, Bars, Wire, Shapes, and Forgings

AMS-S-7720 Steel, Corrosion-Resistant (18-8) Bars, Wire and Forging Stock (Aircraft Quality)

AMS-S-8840A Steel Sheet and Strip, Corrosion Resistant, Precipitation Hardening (AM350 and AM355), Premium Quality Composition AM 350, Annealed Composition AM355, CRT 150/180/120

AMS-T-6845 Tubing, Steel, Corrosion-Resistant (S30400), Aerospace Vehicle Hydraulic System 1/8 Hard Condition

AMS-T-8506 Tubing, Steel, Corrosion-Resistant, (304), Annealed, Seamless and Welded

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

AMS-STD-753 Corrosion-Resistant Steel Parts: Sampling, Inspection and Testing for Surface Passivation