

conforming to DIN 1.4117: carbon 0.35 to 0.40, silicon not over 1, manganese not over 1, phosphorus not over 0.045, sulfur not over 0.03, chromium 13 to 15, molybdenum 0.40 to 0.60, vanadium 0.10 to 0.15, with or without other trace elements; tolerances for chemical composition and sizes conforming to ASTM A-484, latest revision;

- (cdxvi) stainless steel reinforcing bars, designated as A-739 and entered in an aggregate annual quantity not to exceed 50 t; the foregoing whether or not in irregularly wound coils, in diameters of less than 12.7 mm, with uniform dimensions; tensile strength not less than 620 MPa; yield strength not less than 448 MPa; with elongation of not less than 9 percent minimum in 200 mm; meeting all specifications of ASTM A955 M-96; in grades AISI 304, AISI 304LN, AISI 316, AISI 316LN or AISI 2205;
- (cdxvii) cold-rolled AISI 316L vacuum melted stainless medical implant steel, designated as A-673 and entered in an aggregate annual quantity not to exceed 20 t; meeting the following characteristics: 20.4 mm to 20.6 mm in width with thickness of 15.4 mm to 15.6 mm or 20.35 mm to 20.65 mm in width with thickness of 17.85 mm to 18.15 mm; corner radius 0.1 mm to 0.9 mm; in straight lengths from 2.90 m to 3.20 m; with chemical composition according to ASTM F138; tensile strength from 931 MPa to 1,069 MPa; surface cold-rolled, free from cracks, scratches and seams; surface roughness 32 rms or better;
- (cdxviii) hot-rolled annealed and pickled stainless steel wire rods per AISI 660, designated as A-645 and entered in an aggregate annual quantity not to exceed 500 t, the foregoing with the following additional specifications: diameter 5.3 mm to 12.2 mm; air melted without remelting through a consumable electrode melting process; with tensile strength 700 MPa maximum; and with the following chemical composition (percent by weight): carbon not over 0.080, silicon not over 1.00, manganese not over 2.00, nickel 24.00 to 27.00, chromium 13.50 to 16.00, molybdenum 1.00 to 1.50, copper not over 0.50, titanium 1.90 to 2.35, sulfur not over 0.0300, phosphorus not over 0.040, aluminum not over 0.35, vanadium 0.10 to 0.50, lead not over 0.0050, boron 0.0010 to 0.0100 and bismuth not over 0.00002 (0.2 ppm);
- (cdxix) hot-rolled annealed, pickled, and coated stainless steel wire rods per AISI 305, designated as A-645 and entered in an aggregate annual quantity not to exceed 1,500 t, the foregoing with the following additional specifications: tensile strength 440.0 MPa to 590.0 MPa; diameter 5.3 mm to 15.7 mm; with the following chemical composition (percent by weight): carbon not over 0.025; silicon not over 1.00; manganese not over 2.00; nickel 10.50 to 13.00; chromium 17.00 to 19.00; sulfur not over 0.0300; and phosphorus not over 0.045; with a coating containing not less than 70 percent combined potassium sulfate and sodium sulfate;
- (cdxx) stainless steel wire rod, designated as A-725 and entered in an aggregate annual quantity not to exceed 180 t, hot-rolled, in irregularly wound coils, of circular cross-section, with a diameter of less than 19 mm; having the following chemical composition (percent by weight): carbon 0.96 to 0.98, silicon 0.30 to 0.50, manganese 0.30 to 0.50, phosphorus not over 0.025, sulfur not over 0.025, nickel not over 0.60, chromium 16.0 to 18.0, molybdenum 0.40 to 0.65, copper not over 0.50 and vanadium not over 0.08; hardness less than 95 HRB; primary carbide controlled to less than 20 micrometer; micro inclusion rating shall not exceed the following rating value defined by ASTM E45 Method A: Type A-Thin not over 2.0, Type A-Heavy not over 1.5, Type B-Thin not over 2.0, Type B-Heavy not over 1.5, Type C-Thin not over 1.0, Type C-Heavy not over 1.0, Type D-Thin not over 2.0, and Type D-Heavy not over 1.0; depth of decarburization not exceeding the following: for sample rod of diameter of not over 10 mm, then not over 0.1 mm; for sample rod over 10 mm in diameter, then not over 1 percent of diameter;
- (cdxxi) cut-to-length flat-rolled products, designated as A-645; the foregoing per ASTM A387 Grade 91; with the following additional characteristics: thickness 4.76 mm to 12.6 mm and 101.7 mm to 250 mm; width 3.5 m to 4.5 m; length 3.0 m to 12.5 m; with KCV Charpy impact property guarantee of 27 J minimum at -29 °C; with the following additional chemical property guarantees, expressed as percentages by weight: carbon not over 0.10 and phosphorus not 0.015;
- (cdxxii) flat-rolled products of other alloy steel, designated as A-677; the foregoing not further worked than hot-rolled; not in coils; specification: thermomechanically rolled, ASTM A 656 Grade 80 Type 7 plate, modified as described below by increasing the maximum carbon content and the minimum tensile strength; physical properties: width 600 mm or more; thickness: 12.45 mm to 13.08 mm; flatness: product to be controlled to one-third commercial flatness as specified under ASTM-A6; having the following chemical composition (percent by weight): carbon content not over 0.22; mechanical properties: tensile strength minimum ultimate tensile strength 690 MPa; maximum ultimate tensile strength 793 MPa; bend radius capable of taking a 90 degree bend with a radius 0.5 times the thickness of the plate (0.5 T) without any cracking as performed on a 88.9 mm vee opening lower die with a 3.18 mm radius upper die, the bend to be made perpendicular to the grain of the plate.
- (cdxxiii) abrasion resistant, quenched and tempered flat-rolled products of alloy steel, designated as A-679 and entered in an aggregate annual quantity not exceed 180 t; the foregoing not further worked than hot-rolled, not in coils; physical dimensions: thickness 6 mm or more; width 600 mm or more; having the following chemical composition (percent by