

the bottom horizontal segment having an inside horizontal surface with a 12-degree taper to its end; the upper vertical segment having a 5 mm maximum radius on the upper left corner and a 8.0 mm to 9.5 mm high x 8.0 mm to 9.5 mm wide chamfer on the lower left corner; the lower vertical segment having a 9.2 mm to 10.8 mm radius on the upper right hand corner; all remaining corners having 1.5 mm to 6.5 mm radii; weight 13.5 kg/m to 13.9 kg/m;

- (cccxlvi) U - sections of non-alloy steel, designated as A-661, the foregoing not further worked than hot-rolled, hot-drawn, or extruded, with a chemical composition (percent by weight) of: carbon 0.15 to 0.20, manganese 0.60 to 0.90, silicon 0.15 to 0.35, phosphorus not over 0.04, sulfur not over 0.05; yield strength of not less than 275 N/mm², tensile strength not less than 450 N/mm², and elongation in 50 mm not less than 22 percent, with physical dimensions of: a center - bottom piece, of width of 45.3 mm to 48.9 mm and thickness of 13.5 mm to 14.5 mm, joined along the entire length of both long sides to horizontal pieces at a 90-degree angle; one side piece, of width of 13.5 mm to 14.5 mm and height of 27.5 mm to 28.5 mm, and the other side piece of width of 7.5 mm to 8.5 mm and height of 14.8 mm to 15.8 mm, protruding from the center-bottom piece in such a manner that the outside of each side piece is flush with the outside of the center-bottom piece to produce a frontal view of a squared-off "U" with the width of the entire shape equaling the width of the center-bottom piece; all inside and outside corners have a minimum 1 mm radius and maximum 5 mm radius;
- (cccxlvii) half round cross section steel bars, SAE Grade 1095, designated as A-708; the foregoing with not more than 0.4572 mm depth of decarburization on surface of steel; width from 39.9 mm to 40.6 mm, thickness from 11.3 mm to 11.8 mm, radius 24.5 mm to 24.8 mm; length from 189.23 cm to 290.83 cm, having the following chemical composition (percent by weight): carbon 0.90 to 1.0, manganese 0.30 to 0.50, silicon 0.15 to 0.30, phosphorus not over 0.04, sulfur not over 0.05, nickel not over 0.25 and chromium not over 0.20;
- (cccxlviii) hot-rolled steel bars, designated as A-765 and entered in an aggregate annual quantity not to exceed 325 t, the foregoing meeting the following characteristics: AISI C1055V, diameter not over 19.5 mm not less than 18.5 mm; length not over 161.5 mm not less than 159.0 mm; having the following chemical composition (percent by weight): carbon 0.53 to 0.58, silicon 0.15 to 0.35, manganese 0.70 to 0.90, phosphorus not over 0.030, sulfur not over 0.035, copper not over 0.25, nickel not over 0.20, chromium 0.07 to 0.20 and vanadium 0.100 to 0.150; grain size shall be more than 5.0 following measuring methods specified in JISG0552; hardness 20 to 26.5 on HRC scale; tensile strength not less than 834 MPa, yield strength not less than 539 MPa;
- (cccxlix) bars of nonalloy steel in hard metric sizes, designated as A-609; the foregoing not further worked than cold-drawn; of rectangular cross section; thickness 6 mm or more but not over 50 mm; width 10 mm or more but not over 150 mm; length not over 6.5 m; having the following chemical composition (percent by weight): carbon not over 0.20, manganese not over 1.4, phosphorus and sulfur not over 0.045 and silicon not over 0.25; tensile strength 340 N/mm² to 470 N/mm², upper yield stress 235 N/mm² to 215 N/mm²;
- (cccl) cold finished nonalloy steel bars, of circular cross section, designated as A-611; the foregoing diameter not over 81 mm; surface hardened, precision ground; having the following chemical composition (percent by weight): carbon 0.50 to 0.57, silicon 0.15 to 0.35, manganese 0.40 to 0.70, phosphorus not over 0.025, sulfur not over 0.035 and aluminum 0.02 to 0.08; grain size of 6 or finer as per DIN 50601; hardness HV 670 to 840; surface finish maximum RMS 12; minimum hardness depth of 0.4 mm;
- (cccli) machined alloy steel flat and square bars to specification AISI 8620 to ASTM A29 (A331), designated as A-621; the foregoing in thickness 88.9 mm or more but not over 152.4 mm, width 127 mm or more but not over 304.8 mm; having the following chemical composition (percent by weight): carbon 0.18 to 0.23, manganese 0.70 to 0.90, silicon 0.15 to 0.35, sulfur 0.040 maximum, phosphorus 0.035 maximum, chromium of 0.40 to 0.60, molybdenum 0.15 to 0.25, nickel 0.40 to 0.70 and copper 0.350 maximum; length 3 m to 5 m;
- (ccclii) E-4130 cold drawn aircraft quality bars, designated as A-621; the foregoing being square bars with sides up to 16.00 mm and round bars up to 16.00 mm diameter, according to MIL S -6758, AMS-S-6758, AMS-2301, ASTM-A-331, AMS-6348, AMS-2304 or AMS-6370, Condition D4, latest revisions; having the following chemical composition (percent by weight): carbon 0.28 to 0.33, silicon 0.15 to 0.35, manganese 0.40 to 0.60, sulfur 0.025 maximum, phosphorus 0.025 maximum, chromium 0.80 to 1.10, molybdenum 0.10 to 0.25, nickel 0.25 maximum, copper 0.35 maximum; heat treated; random lengths of 3 m to 4 m;
- (cccliii) cold finished AISI 4140 aircraft quality square steel bars, designated as A-621; the foregoing to MIL & AMS-S-5626, AMS 6382, 2301, 2304, ASTM-A-331, AMS 6349 except condition D, COND C-4, latest revisions; up to 32.00 mm square; having the following chemical composition (percent by weight): carbon 0.38 to 0.43, silicon 0.15 to 0.35, manganese 0.75 to 1.00, sulfur 0.025 maximum, phosphorus 0.025 maximum, chromium 0.80 to 1.10, molybdenum 0.10 to 0.25, nickel 0.25 maximum and copper 0.35 maximum; annealed; length 3,000 mm or more but not over 4,000 mm;