

58.7 mm and 97 mm and not over 2.0 mm on sizes over 97 mm; in 1200 series free-cutting steel grades; suitable for cold drawing into cold finished squares with sharp corners;

- (cccxvii) bars, designated as A-635, the foregoing not further worked than hot rolled; of grade SAE 5120 alloy steel; in flat rectangular profile; with sectional dimensions ranging from 12.12 mm to 20.07 mm in thickness and 153 mm to 257.18 mm width; with sharp corners; with a tolerance of plus and minus 1.5 mm applied to width and thickness dimensions;
- (cccxviii) bright finish hot-rolled, annealed, turned and polished steel bars, designated as A-642 and entered in an aggregate annual quantity not to exceed 325 t, the foregoing meeting the following characteristics: diameters of 75 and 80 mm in 5.5 to 7.5 meter lengths; having the following chemical composition (percent by weight): carbon 0.15 to 0.20, silicon not over 0.40, manganese 1.00 to 1.30, phosphorus not over 0.025, sulfur 0.20 to 0.35; chromium 1.00 to 1.30; molybdenum not over 0.05, nickel not over 0.15; aluminum 0.20 to 0.50; boron 0.001 to 0.003; copper not over 0.25, tin not over 0.025, titanium not over 0.005, calcium not over 0.003, antimony not over 0.005 and oxygen not over 0.0025; with the following other properties: surface finish free from pits, scratches, cracks, or seams; straight to within 1 mm per 1 m of length; grain size of 5 or finer according to American Standards for Testing Materials method A112 (ASTM A112); fracture toughness test (F<sub>dyn</sub>) with a minimum of 49,000 N;
- (cccxix) irregular sections of non-alloy steel, designated as A-661, the foregoing not further worked than hot-rolled, hot-drawn, or extruded; having the following chemical composition (percent by weight): carbon 0.24 to 0.28, manganese 1.20 to 1.40, silicon 0.15 to 0.30, aluminum 0.015 to 0.035, vanadium 0.06 to 0.10, phosphorus not over 0.025, sulfur not over 0.025, chromium not over 0.15 and nickel not over 0.15; yield strength of not less than 440 N/mm<sup>2</sup>; tensile strength of not less than 600 N/mm<sup>2</sup>; elongation in 50 mm not less than 18 percent; physical dimensions of: two segments constituting one unitary and solid piece, respectively known as the base segment and the leg segment; cross section comprising an angle with the base segment horizontal and the leg segment joined vertically at 90 degrees to the upper right side of the base segment and with the height of the entire shape equaling the height of the base segment added to the height of the leg segment, totaling less than 80 mm; base segment having a height of 34.2 mm to 35.8 mm and width of 52.2 mm to 53.7 mm and the leg segment a height of 11.5 mm to 13.0 mm and width at the point it joins the base segment of 15 mm to 16 mm with one vertical side in line with the right side of the base segment and the other vertical side tapering away from the base segment at 20 degrees so that the width at the top of the leg segment is 11 mm to 12 mm; leg segment having 2 mm to 5 mm radius corners; base segment having a 7 mm to 9 mm by 7 mm to 9 mm chamfer on the lower right corner, a 7 mm to 9 mm high by 13 mm to 15 mm wide chamfer on the lower left side (diagonally from the leg segment) and a 6 mm to 7.5 mm by 6 mm to 7.5 mm chamfer on the upper left corner; weighing 14.6 to 15.0 kg/m;
- (cccxl) S-sections of non-alloy steel, designated as A-661, the foregoing not further worked than hot-rolled, hot-drawn, or extruded; having the following chemical composition (percent by weight): carbon 0.24 to 0.28, manganese 1.20 to 1.40, silicon 0.15 to 0.30, aluminum 0.015 to 0.035, vanadium 0.06 to 0.10, phosphorus not over 0.025, sulfur not over 0.025, chromium not over 0.15 and nickel not over 0.15; yield strength of not less than 440 N/mm<sup>2</sup>; tensile strength of not less than 600 N/mm<sup>2</sup>; elongation in 50 mm not less than 18 percent; with physical dimensions of: five segments joined at 90 degree angles to each other constituting one unitary and solid piece with a cross section view of an upright "S" with an overall height of 88.9 mm to 91.2 mm and width of 56.0 mm to 59.0 mm; having a top most horizontal segment 33.0 mm to 35.5 mm wide and an upper vertical segment 21.5 mm to 22.5 mm wide; middle horizontal segment 56.0 mm to 59.0 mm wide; lower vertical segment 13.0 mm to 14.0 mm wide and bottom horizontal segment 33.0 mm to 35.0 mm wide; with both the top and bottom horizontal segments having inside horizontal surfaces with 20-degree tapers to their ends; with an upper vertical segment with 7 mm to 9 mm by 7 mm to 9 mm chamfer on the upper left corner and a 9 mm to 11 mm high by 8 mm to 10 mm wide chamfer on the lower left corner; with the lower vertical segment having two outside 10.5 mm to 13.5 mm radii and two inside 4 mm to 6 mm radii; weighing 17.7 to 18.1 kg/m;
- (cccxli) irregular sections of non-alloy steel, designated as A-661, the foregoing not further worked than hot-rolled, hot-drawn, or extruded; having the following chemical composition (percent by weight): carbon 0.09 to 0.13, manganese 1.25 to 1.45, silicon 0.40 to 0.50, aluminum 0.01 to 0.04, vanadium 0.04 to 0.06, phosphorus not over 0.02, sulfur not over 0.02, chromium not over 0.20 and nickel not over 0.15; yield strength of not less than 355 N/mm<sup>2</sup>, tensile strength of between 490 and 630 N/mm<sup>2</sup>, and elongation in 50 mm not less than 22 percent, with physical dimensions of: two segments constituting one unitary and solid piece, respectively known as the base segment and the leg segment; the cross section view is of an irregular shaped angle with the base segment horizontal and the leg segment joined vertically at 90 degrees to the upper right side of the base segment and with the height of the entire shape equaling the height of the base segment added to the height of the leg segment, totaling 62.7 mm to 64.3 mm; the base segment having a height of 34.7 mm to 35.1 mm and width of 46.1 mm to 46.9 mm including the 6.6 mm to 8.4 mm x 7.7 mm to 11.3 mm protrusion;