

0, and stress relieved, coarse grain practice range of (2-5); having the following chemical composition (percent by weight): carbon 0.43 to 0.50, phosphorus not over 0.040, silicon 0.15 to 0.20, molybdenum not over 0.06, copper 0.35, manganese 0.60 to 0.90, sulfur 0.02 to 0.050, chromium not over 0.20 and nickel not over 0.25; manufactured to the following sizes: 114.52 mm rolled diameter, 126.79 mm rolled diameter, 138.94 mm rolled diameter or 150.38 mm rolled diameter; certified to have a Rockwell B hardness that increases from the outer surface hardness to the core; certified to be prepared with the following heat treatment (thermal recipe): normalized by heating at 50°C per hour to 400°C, then heated to 850°C at any rate; soaked at 850°C for 30 minutes per inch (71 s/mm) in diameter; cooled in still air to ambient and peeled; stress relieved by heating at 50°C per hour to 400°C, then heated to 550°C at any rate; soaked at 550°C for one hour per inch (142 s/mm) in diameter; cooled at a rate of 100°C maximum per hour to 350°C; cooled in still air;

- (ccclxxxi) cold-drawn T-sections of non-alloy steel, designated as A-661, the foregoing not further worked than cold formed or cold finished; having the following chemical composition (percent by weight): carbon 0.14 to 0.20, manganese 1.20 to 1.50, silicon 0.15 to 0.50, aluminum 0.01 to 0.07, 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 482 N/mm², tensile strength of not less than 620 N/mm²; elongation in 50 mm not less than 14 percent; with physical dimensions: vertical section with height of 37.2 mm or more but not over 57.8 mm and width 10.7 mm or more but not over 15.3 mm; joined at 90 degrees to the center of the top horizontal section that has a width of 44.2 mm or more but not over 66.3 mm and a height of 15.7 mm or more but not over 21.3 mm to produce a frontal view of a "T" with the height of the entire shape equaling the height of the vertical section added to the thickness of the top horizontal section, totaling less than 80 mm; all six of the section's outside corners having radii of 1.0 mm to 2.0 mm and the two inside corners having radii of 2.5 mm or more but not over 4.5 mm; weight per m ranging from 8.7 kg to 17.9 kg;
- (ccclxxxii) irregular sections of iron or non-alloy steel, designated as A-661, the foregoing not further worked than cold formed or cold finished; having the following chemical composition (percent by weight): carbon 0.09 to 0.13, manganese 1.25 to 1.45, silicon 0.15 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/mm², tensile strength 490 N/mm² to 630 N/mm²; 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 half-round segment and rectangular segment; half-round segment having a radius of 26.15 mm to 27.15 mm; rectangular segment 52.3 mm to 54.3 mm high and 26.9 mm to 28.7 mm wide joined on one 52.3 mm to 54.3 mm side to the half-round segment and the opposite side having a 4.2 mm to 5.2 mm radius on one corner and the other corner having a 4.4 mm to 4.8 mm x 11.0 mm to 11.5 mm notch with the 11 mm side parallel to the flat side of the half-round segment; notch blends into the long and short sides of the rectangular segment with 3 mm to 4.8 mm chamfers; weight 19.6 kg/m to 20.0 kg/m;
- (ccclxxxiii) cold-finished bars of alloyed steel, designated as A-744, the foregoing being rounds with diameters of 25 mm or more but less than 48 mm, quenched and tempered with qualities according to specifications AISI/SAE 4130, 4140, 4145, or 4150;
- (ccclxxxiv) cold-finished bars of alloyed steel, designated as A-744, the foregoing being rounds with diameters of 24 mm or more but less than 48 mm, quenched and tempered with qualities according to specifications AISI/SAE 4340;
- (ccclxxxv) cold-finished bars of alloyed steel, designated as A-744, the foregoing being rounds with diameters of 24 mm or more but less than 48 mm, quenched and tempered with qualities according to specifications AISI/SAE 8620;
- (ccclxxxvi) round cold finished bars, designated as A-810 and entered in an aggregate annual quantity not to exceed 13,000 t; the foregoing cold finished, peeled, steel grades AISI(SAE) 1018, 1020, 1040 or 1045; killed; permissible curvature 1 mm on 1 m length; diameter from 306 mm to 330 mm;
- (ccclxxxvii) round cold finished bars, designated as A-810 and entered in an aggregate annual quantity not to exceed 1,700 t; the foregoing cold finished, peeled, steel grades AISI(SAE) 4140, 4142, 4150, 4340; killed; permissible curvature 1 mm on 1 m length; diameter from 306 mm to 330 mm;
- (ccclxxxviii) round cold finished bars, designated as A-810 and entered in an aggregate annual quantity not to exceed 300 t; the foregoing cold finished, peeled, steel grade AISI(SAE) 8620; killed; permissible curvature 1 mm on 1 m length; diameter from 306 mm to 330 mm;