

- (cccx) bars and rods of alloy steel, not further worked than hot-rolled; of rectangular cross section, 406 mm wide (plus or minus 3 mm) and between 22 mm and 41 mm high (plus or minus 1.5 mm), with height-to-width ratio of between 5/100 and 10/100, mass 65.3 kg/m to 125.8 kg/m (plus or minus 2 kg/m); tapered at an angle of 22.5 degrees (plus or minus 1 degree) on each of two symmetrical corners of the rectangular cross-section, thereby having one scraping/cutting edge on each side of the rectangle; having the following chemical composition (percent by weight): carbon 0.72 to 0.78, manganese 0.75 to 0.95, sulfur not greater than 0.025 and phosphorus not greater than 0.025; the foregoing designated as A-717;
- (cccxix) bars and rods of alloy steel, not further worked than hot-rolled; of rectangular cross section, 406 mm wide (plus or minus 3 mm) and between 22 mm and 41 mm high (plus or minus 1.5 mm), with height-to-width ratio of between 5/100 and 10/100, mass 65.3 kg/m to 125.8 kg/m (plus or minus 2 kg/m); tapered at an angle of 22.5 degrees (plus or minus 1 degree) on each of two symmetrical corners of the rectangular cross-section, thereby having one scraping/cutting edge on each side of the rectangle; having the following chemical composition (percent by weight): carbon 0.30 to 0.34, manganese 1.00 to 1.15, sulfur not greater than 0.025, phosphorus not greater than 0.03 and boron 0.001 to 0.003; the foregoing designated as A-717;
- (cccxixii) hollow drill bars and rods of circular cross section, external diameter not less than 19.03 mm nor greater than 25.35 mm, internal diameter not less than 6.0 mm not more than 7.6 mm; having the following chemical composition (percent by weight): carbon 0.04 to 0.01, silicon 0.18 to 0.30, manganese 0.20 to 0.35, sulfur 0.009 to 0.020, phosphorus not over 0.025, nickel not over 0.020, chromium 0.91 to 1.19 and molybdenum 0.16 to 0.28; the foregoing designated as A-726;
- (cccxixiii) hollow drill bars and rods of circular cross section, external diameter not less than 19.03 mm not greater than 25.35 mm, internal diameter not less than 6.0 mm nor greater than 7.6 mm; having the following chemical composition (percent by weight): carbon 0.40 to 0.43, silicon 1.40 to 1.60, manganese 0.80 to 0.95, sulfur 0.010 to 0.020, phosphorus not over 0.025, nickel 0.40 to 0.50, chromium 0.60 to 0.80 and molybdenum 0.18 to 0.28; the foregoing designated as A-726;
- (cccxixiv) hollow drill bars and rods of circular or hexagonal cross section, with an external dimension not less than 22.17 mm and not greater than 60.0 mm, and an internal dimension not less than 6.7 mm nor more than 22.6 mm; having the following chemical composition (percent by weight): carbon 0.19 to 0.24, silicon 0.20 to 0.35, manganese 0.55 to 0.75, sulfur 0.010 to 0.025, phosphorus not over 0.020, nickel 2.80 to 3.10, chromium 1.20 to 1.40 and molybdenum 0.20 to 0.26; the foregoing designated as A-726;
- (cccxixv) hollow drill bars and rods of circular or hexagonal cross section, with an external dimension not less than 22.17 mm not more than 60.0 mm, and an internal dimension not less than 6.7 mm not more than 22.6 mm; having the following chemical composition (percent by weight): carbon 0.23 to 0.25, silicon 0.20 to 0.35, manganese 0.40 to 0.60, sulfur 0.010 to 0.025, phosphorus not over 0.020, nickel not over 0.25, chromium 3.00 to 3.50 and molybdenum 0.45 to 0.60; the foregoing designated as A-726;
- (cccxixvi) hot-rolled or forged plastic mold steel round bars, having the following chemical composition (percent by weight): carbon 0.08 to 0.18, silicon 0.30 to 0.60, manganese 1.20 to 1.80, phosphorus 0.03 maximum, sulfur 0.30 maximum, chromium 0.20 to 1.50, copper 0.50 maximum, nickel 3.00 to 5.00, molybdenum 0.50 maximum, vanadium 0.50 maximum and aluminum 0.80 to 2.00; displaying the following mechanical properties: hardness HRC 37 to 41, tensile strength 1,150 to 1,300 MPa, yield strength 830 to 950 MPa, reduction of area 35 to 55 percent, elongation 10 to 30 percent at room temperature; with Charpy-notch impact value of 54 N m/cm² = 25 ~ 50J, 2 mm U notch; displaying the following physical properties: coefficient of thermal expansion (plus or minus 10 percent): $7.30 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ for 25°C to 50°C, $9.10 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ for 25°C to 100°C, $11.12 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ for 25°C to 200°C, $12.54 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ for 25°C to 300°C, and $13.57 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ for 25°C to 400°C; coefficient of thermal conductivity at 100°C of $24.14 \pm 10\%$ or at 200°C of $25.3 \pm 10\%$ kcal/(m hr°C); the foregoing designated as A-728;
- (cccxixvii) galvanized, cold formed, steel channels; surface finish: smooth in-line galvanized zinc coating with mass of 100 g/m² minimum, applied after forming with the zinc coating further passivated to resist white rust; not further cold worked, not manufactured from pre-galvanized strip; length 3.048 m to 12.192 m; channel sizes: 230 x 75 mm, 200 x 75 mm, 180 x 75 mm, 150 x 75 mm, 125 x 65 mm, 100 x 50 mm, 75 x 40 mm with thicknesses of 4.0 and 5.0 or 6.0 mm and minimum yield strength 450 MPa and 300 x 90 mm with thicknesses of 7.0 mm or 8.0 mm and a minimum yield strength of 400 MPa; tolerances: squareness (angular tolerance) the included angle between the sides of a channel shall be 90 degrees, the maximum out-of-squareness of a channel shall be in accordance with the following: where the shorter leg length is not more than 50.8 mm, ± 2.0 degrees, where the shorter leg length is greater than 50.8 mm but not more than 76.2 mm, ± 1.5 degrees, where the shorter leg length is greater than 76.2 mm, ± 1.0 degree; twist: maximum angle of twist is 1 degree over 1 meter; feedstock fully killed, continuously cast steel, fine grain; maximum content of specified elements (percent by weight): carbon 0.20, manganese 1.60, silicon 0.10, aluminum 0.10, phosphorus 0.040 and sulfur