

- (cccliv) cold drawn aircraft quality E4340 steel bars, designated as A-621, the foregoing to ASTM-A-331, AMS 6415, 6409, 2310, 2301, 2304, MIL & AMS-S-5000, trans specs: BMS 728, AMS 6484, DMS 1555 Grade B, physical cond E, surface condition 4, latest revisions; having the following chemical composition (percent by weight): carbon 0.38 to 0.43, silicon 0.15 to 0.35, manganese 0.60 to 0.80, sulfur 0.025 maximum, phosphorus 0.025 maximum, chromium 0.70 to 0.90, molybdenum 0.10 to 0.25, nickel 1.65 to 2.00 and copper 0.35 maximum; normalized and sub-critically annealed; length 3 m to 4 m; the foregoing in one of the following cross sections:
- (i) hexagonal, up to 16.00 mm across flats;
 - (ii) round, up to 16.00 mm diameter; or
 - (iii) square, up to 16.00 mm across flats;
- (ccclv) unhardened cold drawn steel rounds (soft magnetic iron), designated as A-626, the foregoing with diameter 3 mm to 178 mm, in cut lengths; having the following chemical composition (percent by weight): carbon 0.15 to 0.27, silicon not over 0.05, manganese 0.12 to 0.22, phosphorus not over 0.012, sulfur not over 0.025 and chromium not over 0.05;
- (ccclvi) leaded alloy steel bars, designated as A-627, the foregoing in grade C45Pb, DIN 1.0504; having the following chemical composition (percent by weight): carbon 0.40 to 0.50, silicon not over 0.40, manganese 0.050 to 0.085, sulfur 0.020 to 0.040 and lead 0.15 to 0.30; cold drawn, eddy current and ultrasonically tested at a level of Flat Bottom Hole (FBH) less than 0.7 mm (specific calibration of ultrasonic testing equipment to sort out defective bars); microscopic cleanliness testing according to DIN50602 and without macroscopic inclusion and lead segregations detrimental for high pressure applications; tensile strength 690 N/mm² to 900 N/mm²; diameters up to 25.4 mm in random bar length, with mill test report according to DIN EN 10204/3.1B;
- (ccclvii) flat bars of nonalloy freecutting steel, designated as A-630, the foregoing not further worked than cold drawn; according to ASTM A29/A108; meeting one of the following cross sections:
- (i) thickness 26.16 mm or more but not over 48.26 mm, width 31.75 mm or more but not over 70.61 mm;
 - (ii) thickness 26.16 mm or more but not over 48.26 mm, width 166.1 mm or more but not over 374.6 mm;
 - (iii) thickness 15.88 mm or more but not over 19.81 mm, width 76.96 mm or more but not over 152.4 mm; or
 - (iv) thickness 51.56 mm or more but not over 76.2 mm, width 76.96 mm or more but not over 152.4 mm;
- (ccclviii) cold finished flat bars, designated as A-630; the foregoing in grade C1018 according to ASTM A29/A108, containing by weight not over 0.25 percent carbon; thickness 6.35 mm or more but not over 76.2 mm, width 203.2 mm or more but not over 355.6 mm; produced from bloom cast material; low residual value (not over 0.15 percent by weight) and nitrogen not over 0.009 percent (by weight); with sharp corners size tolerance of 0.203 mm;
- (ccclix) steel hexagonal bars, designated as A-630; the foregoing not further worked than cold finished, in sizes from 28.57 mm to 55.56 mm (inclusive), in grade C11L37 according to ASTM A29/A108, carbon content of 0.32 to 0.39 percent by weight;
- (ccclx) cold finished near-square rectangular keyway sections, designated as A-630, the foregoing of grade C1045 according to ASTM A29/A108; containing by weight 0.43 to 0.50 percent carbon, size 50.72 mm x 57.07 mm;
- (ccclxi) cold finished special sections, designated as A-630; the foregoing in grade C1018 according to ASTM A29/A108, containing by weight not over 0.25 percent carbon, 125.4 mm in width and 9.5 mm in thickness and four radius corners of 4.76 mm;
- (ccclxii) cold finished alloy steel bars, designated as A-630; the foregoing in grade SAE 4140 according to ASTM A29/A108; containing by weight 0.38 to 0.43 percent carbon; in nonstandard cross sectional shape being a segment of a circle, described by a radius of length 49.12 mm or 41.63 mm and an inclusive angle of 45 degrees, a tolerance of plus and minus 1.0 mm being applied to all cross sectional dimensions, and plus and minus 2 degrees being applied to all angular degrees;
- (ccclxiii) cold finished machined square bars, designated as A-630; the foregoing in grades C1018 and C1117 according to ASTM A29/A108 in sizes over 101.6 mm up to and including 160 mm, with sharp defined corners;