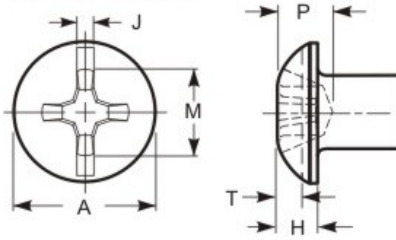
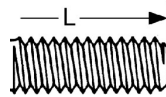


# Truss Head - Type I (Phillips) - Combination Slt

TYPE I WITH SLOT



This type of recess has a large center opening, tapered wings, and blunt bottom with top edges relieved or rounded. A slot runs parallel to one pair of recess wings.



GRADE MARK

| THREAD DATA  |   |   |
|--|---|---|
| Size: #6   | Threads per in.: 32                                       | Series Designation: UNC                                     |
| Thread Class or Type: 2A                                       | Major Diameter: 0.1372 - 0.1312                           | Pitch and Functional Dia.: 0.1169 - 0.1141                  |
| Tensile Stress Area: 0.0091                                    | Standard: ASME B1.1 - 2003 (R2008)                        |   |
| DIMENSIONAL DATA   |   |   |
| Type: Truss Head - Type I (Phillips) - Combination Slt         | Standard: ASME B18.6.3 - 2013                             | Nominal Diameter: 0.138                                     |
| A - Head Diameter: 0.321 - 0.303                               | H - Head Height: 0.086 - 0.074                            | J - Slot Width: 0.048 - 0.039                               |
| T - Slot Depth: 0.050 - 0.033                                  | Driver Size: 2  | Penetration Depth: 0.073 - 0.048                            |
| Wobble: 12°  | M - Ref. Recess Dim.: 0.151                               | L - Length: 1/2   |
| Length Tolerance: -0.02  |   |   |
| PHYSICAL REQUIREMENTS  |   |   |
| Nominal: 0.138   | Standard: ASME B18.6.3-2013, Machine Screw (carbon steel) | Typical Materials: low carbon steel, 1010 through 1022      |
| Hardness: HRB 100 - 70   | Tensile Load, Min. (lbf): 545                             | Yield PSI, 2% Offset, Machined Specimen: 36,000             |
| Tensile Strength, Min. (psi): 60,000                           | Calculated Shear Load-BODY (ref.)(lbf): 327               | Calculated Shear Load-THREADS (ref.)(lbf): 273              |
| Straightness Factor: N/A                                       | Calculated Pretension <sup>2</sup> (lbf) : 246            | Tightening Torque <sup>1</sup> : 1 ft.lbf, 7 in.lbf, 0.8 Nm |
| FINISH DATA  |   |   |
| Finish: Zinc & Clear, non-hexavalent/Cr(VI) free - .0001"/ 3µm | K factor (ref. DIN 946): 0.22                             | Standard: ASTM F1941/F1941M-2016, Fe/Zn 3AN                 |

<sup>1</sup> These torque values are based on K factors determined using DIN 946, tightening tension of 75% of the yield strength, and the calculation formula  $T=KDP$ . These values are advisory only. The torque for assembling critical joints should be determined and/or verified through actual experimentation by the user. The IFI is not responsible for any losses or claims resulting from the use of these values. <sup>2</sup> Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.