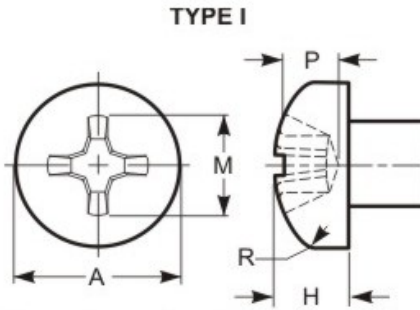
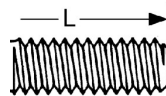


Pan Head - Type I (Phillips)



This type of recess has a large center opening, tapered wings, and blunt bottom, with all edges relieved or rounded.



GRADE MARK

| THREAD DATA | | |
|--|--|--|
| Size: #10 | Threads per in.: 24 | Series Designation: UNC |
| Thread Class or Type: 2A | Major Diameter: 0.1890 - 0.1818 | Pitch and Functional Dia.: 0.1619 - 0.1586 |
| Tensile Stress Area: 0.0175 | Standard: ASME B1.1 - 2003 (R2008) | Length: 3/8 |
| Length Tolerance: -0.02 | | |
| DIMENSIONAL DATA | | |
| Type: Pan Head - Type I (Phillips) | Standard: ASME B18.6.3 - 2013 | Nominal Diameter: 0.19 |
| A - Head Diameter: 0.373 - 0.357 | H - Head Height: 0.133 - 0.122 | Driver Size: 2 |
| Penetration Depth: 0.113 - 0.089 | Wobble: 12° | M - Ref. Recess Dim.: 0.192 |
| PHYSICAL REQUIREMENTS | | |
| Nominal: 0.19 | Standard: ASME B18.6.3-2013, Machine Screw (Stainless Steel) | Typical Materials: 304 Stainless Steel |
| Hardness: HRB 90 ref. | Tensile Load, Min. (lbf): 1,050 | Yield PSI, 2% Offset, Machined Specimen: 40,000 |
| Tensile Strength, Min. (psi): 80,000 | Calculated Shear Load-BODY (ref.)(lbf): 630 | Calculated Shear Load-THREADS (ref.)(lbf): 525 |
| Straightness Factor: N/A | Calculated Pretension ² (lbf) : 525 | Tightening Torque ¹ : 1 ft.lbf, 18 in.lbf, 2.0 Nm |
| FINISH DATA | | |
| Finish: As received steel (RoHS Compliant) | K factor (ref. DIN 946): 0.18 | |

¹ 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. ² Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.