

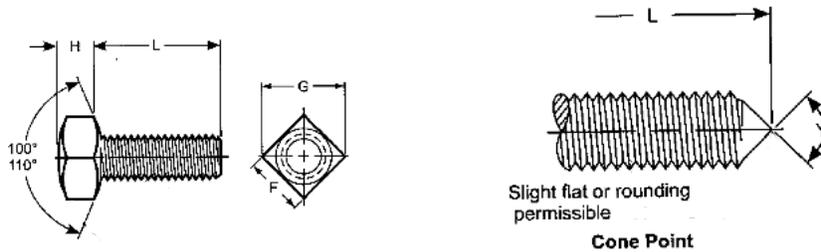


PRODUCT DATA SHEET

USA/CA: brightonBEST.com Europe: brightonBEST.org AU: brightonBEST.com.au NZ: brightonBEST.co.nz Brazil: brightonBEST.com.br

Square Head Set Screws Cone Point - Inch Series

1.0 Dimensions: ASME B18.6.2.



| Nominal Size or Basic Product Diameter | F | | G | | H | | Y Cone Point Angle 90 Deg + or - 2 deg for these nominal lengths or longer. 118 Deg + or - 2 deg for shorter screws |
|--|--------------------|-------|----------------------|-------|-------------|-------|---|
| | Width Across Flats | | Width Across Corners | | Head Height | | |
| | Max | Min | Max | Min | Max | Min | |
| 1/4 | 0.250 | 0.241 | 0.354 | 0.331 | 0.196 | 0.178 | 5/16 |
| 5/16 | 0.312 | 0.302 | 0.442 | 0.415 | 0.245 | 0.224 | 3/8 |
| 3/8 | 0.375 | 0.362 | 0.530 | 0.497 | 0.293 | 0.270 | 7/16 |
| 7/16 | 0.438 | 0.423 | 0.619 | 0.581 | 0.341 | 0.315 | 1/2 |
| 1/2 | 0.500 | 0.484 | 0.707 | 0.665 | 0.389 | 0.361 | 9/16 |
| 9/16 | 0.562 | 0.545 | 0.795 | 0.748 | 0.437 | 0.407 | 5/8 |
| 5/8 | 0.625 | 0.606 | 0.884 | 0.833 | 0.485 | 0.452 | 3/4 |
| 3/4 | 0.750 | 0.729 | 1.060 | 1.001 | 0.582 | 0.544 | 7/8 |

Notes: Thread Class of Fit : 2A.

2.0 Mechanical Properties: As Per ASME B18.6.2

Steel Case Hardened

Case Hardness: 83HR 15N minimum

Case Depth: Screw sizes 1/4 "to 3/4 " : 0.006" minimum

Set screws are subjected to compressive stress in applications. Hardness is the only requisite mechanical property to be met by the square head set screws.

The set screws will not have any marking.

Surface Finish: Plain.