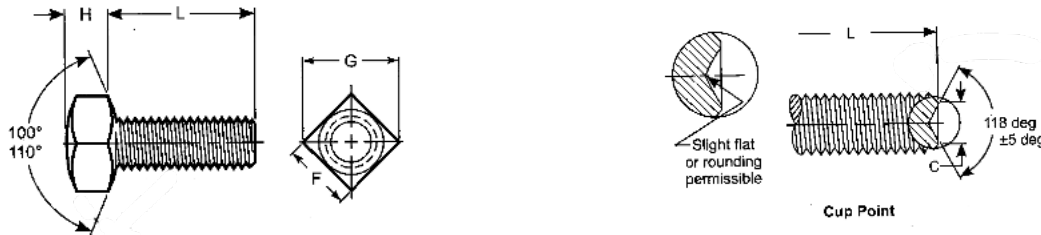


PRODUCT DATA SHEET

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Square Head Set Screws Cup Point - Inch Series

1.2 Dimensions: ASME B18.6.2.



Nominal Size or Basic Product Diameter	F		G		H		C	
	Width Across Flats		Width Across Corners		Head Height		Cup Point Diameter	
	Max	Min	Max	Min	Max	Min	Max	Min
1/4	0.250	0.241	0.354	0.331	0.196	0.178	0.132	0.118
5/16	0.312	0.302	0.442	0.415	0.245	0.224	0.172	0.156
3/8	0.375	0.362	0.530	0.497	0.293	0.270	0.212	0.194
7/16	0.438	0.423	0.619	0.581	0.341	0.315	0.252	0.232
1/2	0.500	0.484	0.707	0.665	0.389	0.361	0.291	0.270
9/16	0.562	0.545	0.795	0.748	0.437	0.407	0.332	0.309
5/8	0.625	0.606	0.884	0.833	0.485	0.452	0.371	0.347
3/4	0.750	0.729	1.060	1.001	0.582	0.544	0.450	0.425
7/8	0.875	0.852	1.237	1.170	0.678	0.635	0.530	0.502
1	1.000	0.974	1.414	1.337	0.774	0.726	0.609	0.579
1-1/8	1.125	1.096	1.591	1.505	0.870	0.817	0.689	0.655
1-1/4	1.250	1.219	1.768	1.674	0.966	0.908	0.767	0.733
1-3/8	1.375	1.342	1.945	1.843	1.063	1.000	0.848	0.808
1-1/2	1.500	1.464	2.121	2.010	1.159	1.091	0.926	0.886

Notes : Thread Class of Fit : 2A.



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Square Head Set Screws Cup Point - Inch Series

2.0 Mechanical Properties:

2.1 Steel Case Hardened

Standard: ASME B18.6.2

Case Hardness: 83 HR15 Minimum.

Case Depth: See Table Below

Diameter	Case Depth
#10 (0.1900") 1/4" to 1 - 1/2 "(0.250" to 1.500")	0.004" – 0.009" 0.006" Minimum

2.2 Steel Through Hardened (Alloy)

Standard: ASME B18.6.2

Hardness: HRC 45 to 53.

2.3 Stainless Steel

Standard: ASTM F880

Condition: CW

Hardness: 96 HRB to 33 HRC.

Notes:

- 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 screws will not have any marking.

3.0 Surface Finish:

Steel: Plain

Stainless Steel: Passivated

Disclaimer: The above is a compilation of data, from various industry standards. BBI has taken every effort to present the data accurately. However BBI cannot be held liable for any claim traceable to any errors typographical or otherwise contained herein.