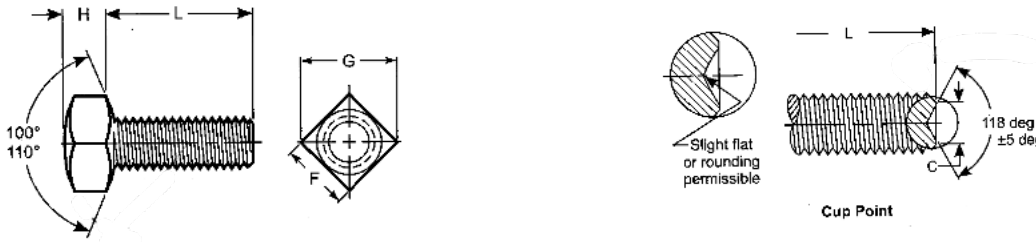


PRODUCT DATA SHEET

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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.



P R O D U C T D A T A S H E E T

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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