

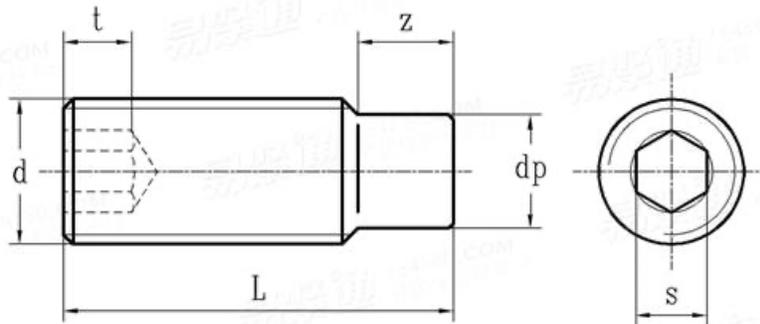


PRODUCT DATA SHEET

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Hexagon Socket Set Screws Full Dog Point - Inch Series

1.0 Dimensions: ASME B18.3.



Nominal Size or Basic Product Diameter d	S	t	Full Dog Point Dimensions			
	Hexagon Socket Size	Key Engagement	Full Dog Point Diameter dp		Full Dog Point Length Z	
	Nom	Min	Max	Min	Max	Min
# 6	1/16	0.080	0.092	0.087	0.073	0.067
# 8	5/64	0.090	0.109	0.103	0.083	0.077
# 10	3/32	0.100	0.127	0.120	0.095	0.085
1/4	1/8	0.125	0.156	0.149	0.130	0.120
5/16	5/32	0.156	0.203	0.195	0.161	0.151
3/8	3/16	0.188	0.250	0.241	0.193	0.183
1/2	1/4	0.250	0.344	0.334	0.255	0.245
5/8	5/16	0.312	0.469	0.456	0.321	0.305

Notes: Full dog point dimensions are not covered in ASME B18.3. Full dog point diameter is exactly the same as that of the half dog point diameter. Full dog point length is almost double the half dog point length. For sizes #10 & above, the full dog point length is same as that of square head set screws full dog point length, given in the standard ASME B18.6.2.

Thread Class of Fit: 3A.



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2.0 Mechanical Properties:

Alloy Steel

Standard: ASTM F912.

Hardness: HRC 45 to 53.

Set screws are subjected to compressive stress in applications. Tensile testing is not carried out on set screws. Hardness, Decarburization & Torsional strength test are the requisite mechanical properties to be met by the alloy steel socket set screws.

The set screws will not have any marking.

3.0 Surface Finish:

Alloy Steel: Thermal Black Oxide Finish.