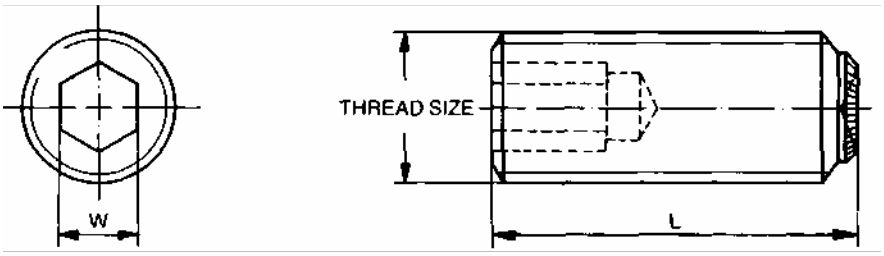
Socket Set Screws

Inch Series

Dimesions - Physical Properties - Tightening Torques

Notes :

1 The screws will generally conform to BS : 2470.
2 Threads will conform to Medium class of BS 84 for BSW & BSF threads
Normal class of BS : 93 for BA threads and class 2A of BS : 1580 for UNC & UNF threads.
3. Material : "UNILOK" High Grade Alloy Steel.
4. Heat Treatment : HRc 45-53.
5. All dimensions are in inches.



KNURLED CUP POINT

Dimensions

Thread Size	Type	W
		A/F Nom.
4	BA	1/16
2	BA	3/32
0	BA	1/8
1/8	BSW/BSF	1/16
5/32	BSW/BSF	5/64
3/16	BSW/BSF	3/32
1/4	BSW/BSF	1/8
5/16	BSW/BSF	5/32
3/8	BSW/BSF	3/16
1/2	BSW/BSF	1/4
5/8	BSW/BSF	5/16
3/4	BSW/BSF	3/8

Thread Size	Type	W
		A/F Nom.
#10	UNC/UNF	3/32
1/4	UNC/UNF	1/8
5/16	UNC/UNF	5/32
3/8	UNC/UNF	3/16
1/2	UNC/UNF	1/4

Typical Tightening Torque (Max) and Axial Holding Power

(For Knurled Cup Point)

Thread Size	Type	Tightening Torque	Axial Holding Power
		lbf in.	lbf
4	BA	5	250
2	BA	36	540
0	BA	87	1,000
1/8	BSW BSF	10	200
3/16	BSW BSF	30	490
1/4	BSW BSF	87	1,000
5/16	BSW BSF	165	1,500
3/8	BSW BSF	290	2,000
1/2	BSW BSF	620	3,000
5/8	BSW BSF	1,325	4,000
3/4	BSW BSF	2,400	5,000

Thread Size	Type	Tightening Torque	Axial Holding Power
		lbf in.	lbf
#10	UNC UNF	36	540
1/4	UNC UNF	87	1,000
5/16	UNC UNF	165	1,500
3/8	UNC UNF	290	2,000
1/2	UNC UNF	620	3,000

Note:
1. These values hold for a circular shaft without a spotted hole or ground flat.
2. Tightening torque values are not applicable for screws having threaded portion length ≤ diameter.