

Socket Countersunk Head Screws

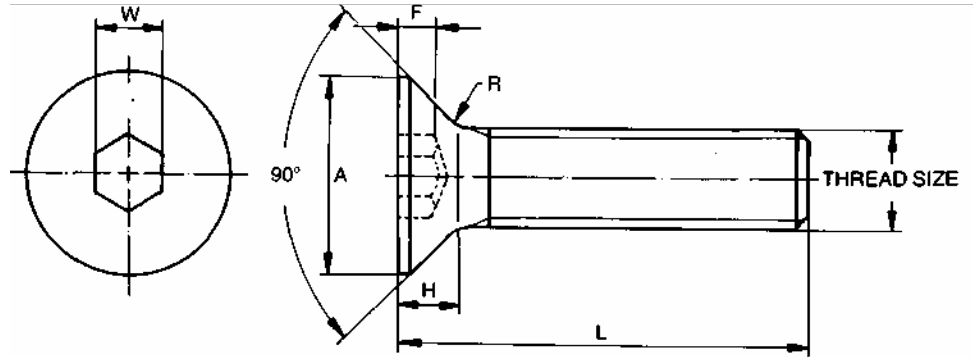


Inch Series - BSW, BSF

Dimensions - Physical Properties - Tightening Torques

Notes :

1. Threads will conform to Medium class of BS : 84. for BSW & BSF threads.
2. Material : "UNILOK" High Grade Alloy Steel.
3. Heat Treatment : HRc 38-44.
4. The Screws will be threaded to head.
Max. lengths available will be as tabulated.
5. All dimensions are in inches.



Thread Size		3/16	1/4	5/16
T.P.I.	BSW	24	20	18
	BSF	32	26	22
A Max.		0.356	0.475	0.594
F Min.		0.065	0.085	0.105
H Min.		0.085	0.113	0.142
R Ref.		0.025	0.025	0.025
W Norn.		3/32	5/32	3/16
L Max.		1	1 1/4	1 1/4

Physical Properties

Ultimate tensile strength, Min.	1,80,000 lbf/in ²
Yield strength, 0.2% offset, Min.	1,62,000 lbf/in ²
Shear strength, Min.	1,08,000 lbf/in ²
Elongation % on GL = 5.65 V/T Where A = Cross sectional area.	9% Min.

Typical Tightening Torque (Max.) and Induced load

Thread Size	Stress Area		Tightening Torque		Induced Load	
			Unplated*			
	BSW in ²	BSF in ²	BSW lbf/in	BSF lbf/in	BSW lbf	BSF lbf
3/16	0.0171	0.0195	39	44	1,041	1,186
1/4	0.0321	0.0357	100	108	1,955	2,174
5/16	0.0528	0.0567	200	216	3,216	3,452

Note:

The tightening torque calculated to induce 60,900 lbf/in² stress in screw threads.

* Torque values listed are for plain screws.
For Cadmium plated screws, multiply listed values by 0.75. For Zinc plated screws, multiply listed values by 1.40.