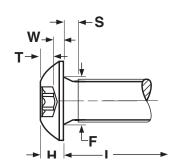
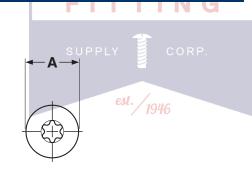
SOCKETS, SIX-LOBE





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	METRIC - Six-Lobe ISO 7380 Button Head Cap Screws ISO 7380											
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Nominal	Thread Pitch	Head		Head Height		Recess Protrusion	Wall Thickness	Unthreaded Section Under the Head		Fillet Transition Diameter	Six-Lobe Recess Size	
		Max	Min	Max	Min	Min	Min	Max	Min	Max	1	
M3	0.5	5.7	5.4	1.65	1.40	1.04	0.2	1.0	0.5	3.6	T10	
M4	0.7	7.60	7.24	2.20	1.95	1.3	0.3	1.4	0.7	4.7	T20	
M5	0.8	9.50	9.14	2.75	2.50	1.56	0.38	1.6	0.8	5.7	T25	
M6	1	10.50	10.07	3.3	3.0	2.08	0.74	2	1	6.8	T30	
Tolerance on Length 6				nm: ±.24 8-10mm: ±.29		12-16mm: ± .35		20-30mm: ±.42 35-50n			nm: ±.5	

Description	Has a similar thread design as a metric socket cap screw but is fully threaded to the head. The dome shaped head is wider and has a six-lobed recess.						
Applications/ Advantages	• COUNTERS LINK NEAD - BUTTON NEAD SCREWS OO NOT ATTOM THE STRENGTH OF SOCKET NEAD CAN SCREWS OUE TO THEIR HEAD DEOME						
	Class 10.9 Steel	Stainless =					
	May be made from a steel, which conforms to any of the following chemical composition requirements <u>Carbon Steel:</u> <i>Carbon</i> : 0.25-0.55%; <i>Phosphorous</i> : 0.035% maximum; <i>Sulfur</i> : 0.035% maximum.	est. /1946					
Material	Carbon Steel with additives such as Boron, Manganese or Chromium Carbon. 0.20-0.55%; <i>Phosphorous</i> : 0.035% max; <i>Sulfur</i> : 0.035% max.	A2 Class 50 Stainless Steel					
	Alloy steel which contains one or more of the following: Chromium, Nickel, Molybdenum or Vanadium: Carbon: 0.20-0.55%; Phosphorous: 0.035% max; Sulfur: 0.035% max.						
Heat Treatment	Class 10.9 button head screws shall be heat treated by quenching in oil from above the transformation temperature and reheating to a tempering temperature of 425°C minimum.	-					
Hardness	Rockwell C 32 - 39 (Vickers HV 320 - 380)	-					
Tensile Strength	1,040 N/mm² minimum	600 N/mm²					
Proof Load	940 N/mm² minimum	450 N/mm²					
Plating	Screws are usually provided with a zinc finish.	Stainless screws are provided with a plain finish.					