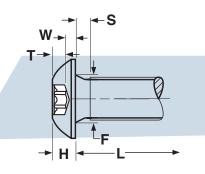
SOCKETS, SIX-LOBE





METRIC - SIX-LOBE ISO 7380 BUTTON HEAD CAP SCREWS ISO 7380												
	Thread Pitch	A		Н		Т	W	,	3	F		
Nominal Size		Head Diameter		Head Height		Recess Protrusion	Wall Section Under Transiti		Fillet Transition Diameter	Recess Size		
		Max	Min	Max	Min	Min	Min	Max	Min	Max		
МЗ	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	
M8	1.25	14.00	13.57	4.4	4.1	2.6	1.05	2.50	1.25	9.2	T40	
Tolerance on Length			6mm: ±.24		8-10mm: ±.29	12-16mm: ± .35		20-30mm: ±.42		35-50mm: ±.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 lower profile than a socket cap screw and has a six-lobed recess.							
Applications/ Advantages	Used when a wider bearing surface or a smoother, more finished appearance is desired, or in material too thin to accomodate a countersunk head. Button head screws do not afford the strength of socket head cap screws due to their head geometry and are designed for light fastening applications.							
	Class 10.9 Steel	Stainless						
Material	May be made from a steel, which conforms to any of the following chemical composition requirements Carbon Steel: Carbon: 0.25-0.55%; Phosphorous: 0.035% maximum; Sulfur: 0.035% maximum. Carbon Steel with additives such as Boron, Manganese or Chromium: Carbon: 0.20-0.55%; Phosphorous: 0.035% max; Sulfur: 0.035% max. 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.	A2 Class 50 Stainless Steel						
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.						