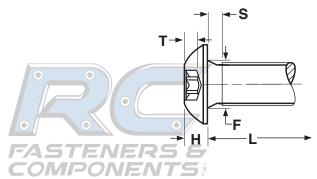
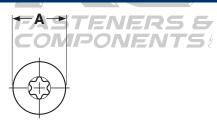
## **SOCKETS, SIX-LOBE**

## ISO 7380-1 TX Six-Lobe





METRIC - Six-Lobe ISO 7380 Button Head Cap Screws ISO 7380										
	Thread Pitch	Α		Н		Т	<b>O</b> /\$		F	0/
Nominal Size		Head Diameter		Head Height		Recess Protrusion	Unthreaded Section Under the Head		Fillet Transition Diameter	Six-Lobe Recess Size
		Max	Min	Max	Min	Min	Max	Min	Max	
МЗ	0.5	5.7	5.4	1.65	1.40	1.01	1.0	0.5	3.6	T10
M4	0.7	7.60	7.24	2.20	1.95	1.27	1.4	0.7	4.7	T20
M5	0.8	9.50	9.14	2.75	2.50	1.52	1.6	0.8	5.7	T25
M6	1	10.50	10.07	3.3	3.0	2.02	2	1	6.8	T30
M8	1.25	14.00	13.57	4.4	4.1	2.85	2.50	1.25	9.2	T40
COMPONENTS:										
Tolerance on Length			6mm: ±.24		8-10mm: ±.29	12-16mm: ± .35	20-30mm: ±.42		35-50r	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 lower profile than a socket cap screw and has a six-lobed recess.						
Applications/ Advantages	Thead. Dutton nead screws do not allord the strength of socket nead cab screws due to their nead deometry and are designed for it						
	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.	FASTENERS & COMPONENTS!					
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.					

