



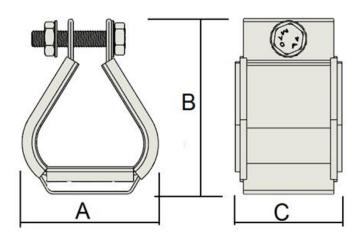
## **Stainless Steel Trefoil Cleat / Strap STC / STS**

In all cable installations, an essential factor is to ensure that all cables are secured with the correct cleats for the cable, application, and environment. The STC / STS series of cleats and straps support and secure all cables in Trefoil formation throughout the system during normal operation and during fault conditions that may

occur. System integrity is maintained and cable damage can be prevented.

All cleats in the STC/STS series comply with the requirements of IEC 61914: 2015. The cleat body and fastenings are manufactured from 316L corrosion resistant non-magnetic 316L stainless steel which makes them suitable for use within harsh and extreme environments including marine and offshore applications. The main cleat fastening bolt is retained to ease installation. The cleat liner is manufactured from an extruded LSOH polymer. Cleats are supplied with an easy fit spacer plate to assist with range take. Correct cleat spacing for all cables is extremely important and many factors must be considered. All recommendations from the cable manufacturer must be followed. For correct cleat spacing recommendations please contact our technical department.

Test Standard IEC61914:2015													
	Clause	Test	Classification			Clause	Test	Classification					
Material	6.1.3		Composite		Resistance	6.4.4 1 short circuit	9.5.2	44kA RMS, 103.3kA Pk - tested on 34mm diameter cables at 300mm cleats spacings (Test report: 125158/VNL)					
Operating Temperature	6.2		-40°C to + 60°C		to short circuit								
Impact Resistance	6.3.5	9.2	Very Heavy		Corrosion	6.5.2.2		Body >16% Chromium contents - High, Outdoor - wet conditions					
Lateral strength	6.4.2	9.3	>500N vertical		Flame propagation		10.1	> 30 secs					
			>200N Horizontal			As cleat spacing is dependent on system fault level							
Axial strength	6.4.3	9.4	>50N (for guidance only as not possible to replicate in test setups)		Cleat Spacing	and centre to centre distance between cables / cable diameter, so for correct cleat spacing then please enquire with cleat manufacturer for correct maximum cleat spacing, for the system design.							





Trefoil			Cleat Details			
Reference Number	Cable Ø Minimum in trefoil	Cable Ø Maximum in trefoil	А	В	С	
STC 2024	20	24	62	87		
STC 2428	24	28	66	91		
STC 2832	28	32	72	99		
STC 3236	32	36	82	108		
STC 3640	36	40	98	120		
STC 4044	40	44	112	131	64	
STC 4448	44	48	118	140		
STC 4852	48	52	129	147		
STC 5256	52	56	138	159		
STC 5660	56	60	152	168		

Cleats have a single central fixing hole for a 10mm dia fixing bolt.

## **Features**

- Low, Medium and High Voltage single core cables in Trefoil and single formation.
- Cable Diameters from 20mm to 60mm
- Can be used in the harsh environments including marine and offshore.
- Suitable for use with all standard ladder and tray systems.
- Operating temperatures -40°C to +60°C