

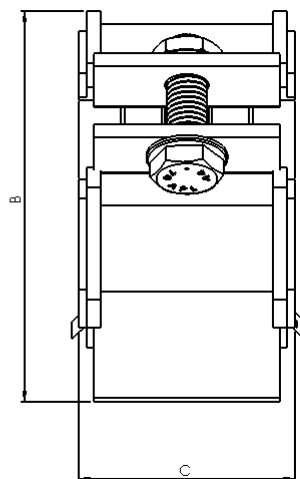
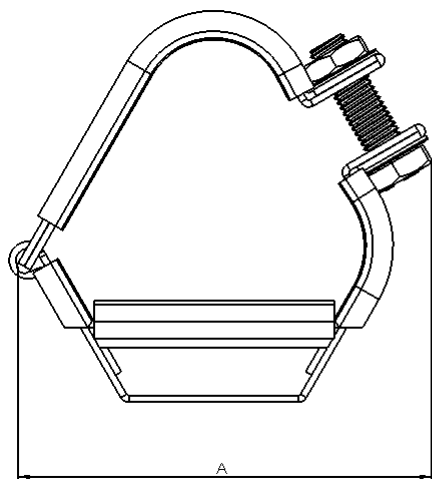


Stainless Steel Trefoil Cleat / Strap HTC / HTS Series

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 HTC / HTS series of cleats and straps support and secure all cables 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 HTC / HTS series comply with the requirements of IEC 61914:2015. The cleat body and fastenings are manufactured from 316L corrosion resistant non-magnetic 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 polymer which is a Low Smoke Zero Halogen (LSOH) polymer material. Cleats are supplied with an easy fit spacer plate to assist with range take. Correct cleat spacings for all cables are 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 to short circuit	6.4.4 1 short circuit	9.5.2		65kA RMS, 143kA Pk - tested on 34mm diameter cables at 300mm cleats spacings (Test report: 125157/VNL)
Operating Temperature	6.2		-40°C to + 60°C		6.4.5 2 short circuits	9.5.3		64kA RMS, 141kA Pk – tested on 34mm diameter cables at 300mm cleats spacings (Test report: 125157/VNL)
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	>900N vertical >600N Horizontal	Flame propagation		10.1		> 30 secs
Axial strength	6.4.3	9.4	>200N (for guidance only as not possible to replicate in test setups)	Cleat Spacing	As cleat spacing is dependent on system fault level 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 Reference Number	Cable Ø ¹ Minimum	Cable Ø ¹ Maximum	Cleat Details			
			A	B	C	Fixing point
HTC3540	35	40	115	100	64	Single hole
HTC4045	40	45	123	110		Single hole
HTC4550	45	50	130	122		Single hole
HTC5055	50	55	140	132		Single hole
HTC5560	55	60	150	140		Single hole
HTC6065	60	65	160	150		Single hole
HTC6570	65	70	170	158		Single hole
Cleats have a single central fixing hole for a 12mm diameter fixing bolt.						
All dimensions in mm and are approximate						

Features

- Low, Medium and High Voltage single core cables with high fault current capacities.
- Standard range for cable diameters from 35mm to 70mm
- Special sizes for specific projects can be manufactured
- Can be used in the harsh environments including marine and offshore.
- Suitable for use with all standard ladder and tray systems.
- Isolation pads can be supplied upon request to reduce risk of galvanic corrosion of dissimilar metals
- Operating temperatures -40°C to +60°C

