

TTC/TTS range



Stainless Steel Trefoil Cleat/Strap TTC/TTS 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 TTC / TTS series

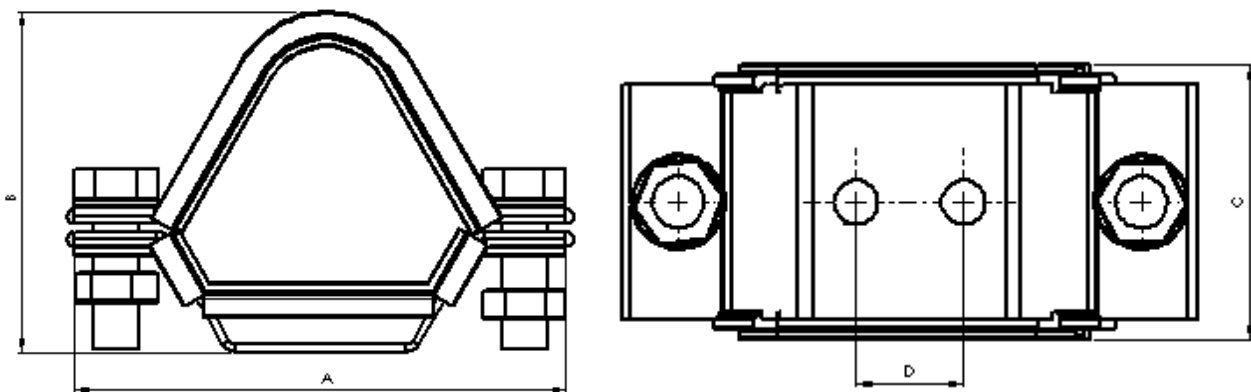
of cleats and straps support and secure all cables throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained and cable damage can be prevented.

All cleats in the TTC / TTS series comply with the requirements of IEC 61914: 2009. 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 an LUL approved flame retardant halogen free polymer material. Cleats can be supplied, as an addition, with an easy fit spacer plate to assist with cable 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	BS EN	
61914:2009	(IEC 61914)	
	Clause	Classification
Type	6.1.3	Composite
Operating Temperature	6.2	-45°C to +120°C
Impact Resistance	6.3	V. Heavy
Needle Flame	10.1	>120 secs

	Clause	Classification
Resistance to short circuit	6.4.3 1 short circuit	80kA RMS, 176kA Pk
	6.4.4 2 short circuits	70kA RMS, 154kA Pk
Corrosion	6.5.2	High , Outdoor - wet conditions
Spacing	As cleat spacing is dependent on system fault level and cable diameter then please enquire with cleat manufacturer for correct maximum cleat spacing, for the system design.	



Cleat Reference Number	Strap Reference Number	Cable Ø	Cable Ø	Cleat Details			
		Minimum	Maximum	A	B	C	D
TTC2429	TTS2429	24	29	113	71	64	NA
TTC2732	TTS2732	27	32	120	75		
TTC3036	TTS3036	30	36	128	83		
TTC3441	TTS3441	34	41	139	92		
TTC3947	TTS3947	39	47	152	104		
TTC4554	TTS4554	45	54	167	117		
TTC5062	TTS5062	50	62	185	132		
TTC6072	TTS6072	60	72	206	150		
TTC6880	TTS6880	68	80	223	166		
TTC7895	TTS7895	78	95	256	194	120	100
TTC93110	TTS93110	93	110	288	221		100
TTC105126	TTS105126	105	126	322	251		125
TTC122146	TTS122146	122	146	365	288		150
TTC142170	TTS142170	142	170	417	333		150

Customised sizes:

Special projects or customised cleat sizes can be manufactured upon request. The product code is constructed as follows:

(T = 2 bolt)(T = Trefoil, S = Single)(C = Cleat, S = Strap) (xxx = nominal cable diameter)(% = range take)

Examples:

For a special trefoil cleat to fit cable 83 diameter cable with a +/- 5% range take (79mm to 87mm) then the product code would be TTC08305.

For a special single strap to fit cable 97 diameter cable with a +/- 4% range take (94mm to 100mm) then the product code would be TSS09704.

For a special trefoil strap to fit cable 55 diameter cable with a +/- 7% range take (51mm to 59mm) then the product code would be TTS05507.

Please note for special projects the maximum % range take is +/- 7% on any nominal cable diameter

All cleats below 80mm cable diameter have a single fixing point in the cleat base. Cleats for cable above 80mm have 2 hole fixings points

Features

- Low, Medium and High Voltage single core cables with high fault current capacities.
- Cable Diameters from 24mm to 170mm
- Can be used in harsh environments including marine and offshore.
- Suitable for use with all standard ladder and tray systems.
- Operating temperatures -45°C to +120°C