EMERALD (SSDSS)

FOR FITTING TO UNSLOTTED RUNGS, PLEASE SEE C-CLAMP ACCESSORY PAGE

The Emerald cable cleats are metallic cable cleats which have been designed, constructed, and tested in accordance with the International Standard IEC 61914: Cable cleats for electrical installations, to ensure the securing and retention of cables, without sustaining damage to the cable.

The range is fabricated from 316L stainless-steel, giving it high creep strength whilst providing excellent corrosion resistance in the harshest of environments.

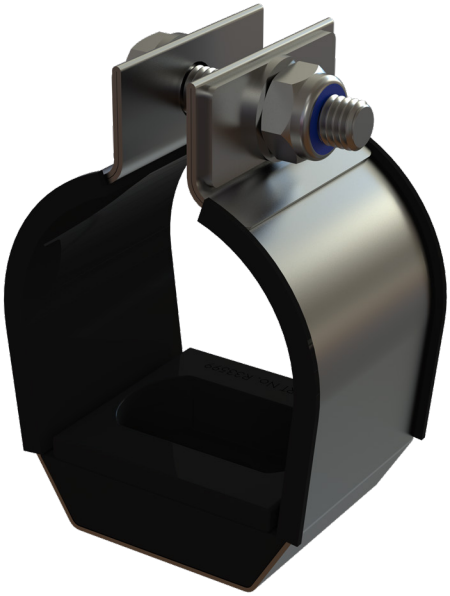
Designed for single and multi-core applications / formations, the Emerald cable cleat is ideal for use in datacentres, rail and other industries and applications where single or multi-core cables are installed. The Emerald can also be installed alongside any of CMP's cable cleat range to secure neutral cables.

The Emerald cable cleat has three M10 fixing clearance holes within its base allowing versatility to the installer during installation, and is designed to enable the product to be secured to a variety of mounting surfaces.

The pre-formed cleat opens fully allowing the cables to be easily placed within the cable cleat to aid the installer before closing and securing via the mouth bolt.

Low Smoke and Fume, Zero Halogen (LSFOH) fixed liners are standard, restraining the cables within vertical applications whilst providing a layer of protection for the cable sheath and the cable cleat during normal operation where thermal elongation of cable occurs.

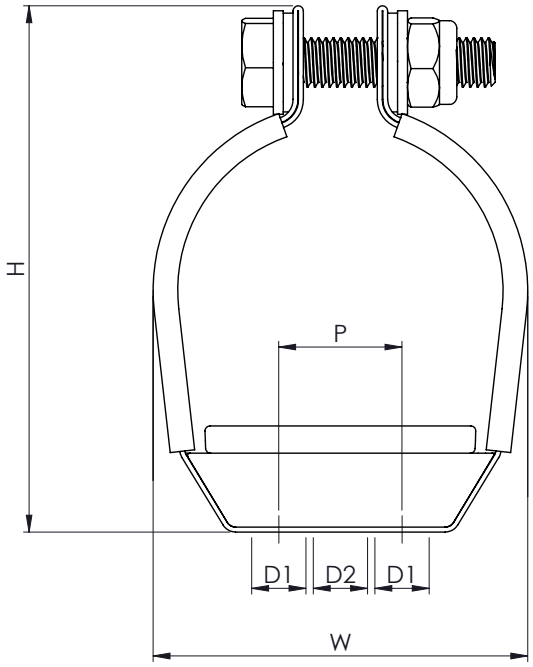
This also protects the cable from chafing on any mounting surface due to differential movements such as those found in marine and offshore applications.

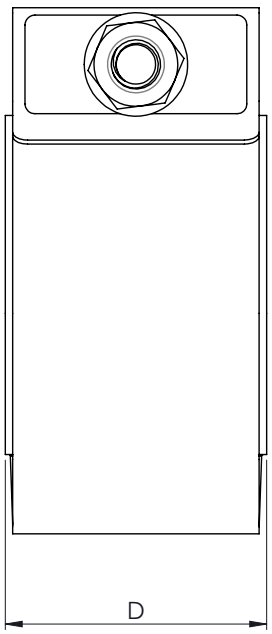


The LSFOH liners also assist in the extra protection of cables in the event of short-circuit fault conditions.

FEATURES

- **Third party certification to IEC 61914**
- **316L stainless-steel with polymer liner**
- **Standard operating temperature -60°C to +60°C or -76°F to +140°F**
- **Standard Polymer Liners are classified as Low Smoke and Fume Zero Halogen (LSF0H), Phosphorus-free**





TECHNICAL DATA & CLASSIFICATION	
TYPE	SSDSS - Standard Duty Stainless-steel
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-60°C to +60°C IEC 61914 clause 6.2
NEEDLE FLAME TEST	Pass - 120 second flame application time IEC 61914 clause 10.0, 10.1, IEC 60695-11-5
LATERAL LOAD TEST	2.5kN – 4.5kN, IEC61914 clause 9.3
AXIAL LOAD TEST	0.6kN, IEC 61914 clause 9.4
IMPACT RESISTANCE	Pass - Very heavy IEC 61914 clause 6.3, 6.3.5, 9.2
MATERIAL	316L Stainless-steel with Standard Polymer Liner Standard Polymer Liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free

SHORT-CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5					
PARALLEL FORMATION				MULTI-CORE FORMATION	
One short-circuit 600mm fixed cleat centres 105mm cable centres	One short-circuit 600mm fixed cleat centres 105mm cable centres	Two short-circuits 600mm fixed cleat centres 105mm cable centres	Two short-circuits 600mm fixed cleat centres 105mm cable centres	One short-circuit 600mm fixed cleat centres	Two short-circuit 600mm fixed cleat centres
38mm	38mm	38mm	38mm	62.6mm	62.6mm
0.1 sec	1 sec	0.1 sec	1 sec	0.1 sec	0.1 sec
155kA Peak	80.8kA Peak	154.3kA Peak	80.8kA Peak	129kA Peak	120kA Peak
73.8kA r.m.s	38.5kA r.m.s	73.5kA r.m.s	38.5kA r.m.s	58.6kA r.m.s	54.5kA r.m.s

CABLE CLEAT SELECTION TABLE

PART NO.	CABLE RANGE TAKE (mm)	DIMENSIONS (mm)						WEIGHT (g)
		W	H	D	P	FIXING HOLE Ø		
						D1	D2	
SSDSS016020	16 - 20	49	68	53	SINGLE HOLE	N/A	1 X M10	237
SSDSS019026	19 - 26	54	68	53	SINGLE HOLE	N/A	1 x M10	243
SSDSS025032	25 - 32	55	72	53	SINGLE HOLE	N/A	1 x M10	252
SSDSS030042	30 - 42	58	82	53	SINGLE HOLE	N/A	1 x M10	266
SSDSS040050	40 - 50	60	91	53	SINGLE HOLE	N/A	1 x M10	278
SSDSS048058	48 - 58	71	99	53	25	2 x M10	1 x M10	283
SSDSS056066	56 - 66	76	107	53	25	2 x M10	1 x M10	295
SSDSS064074	64 - 74	84	115	53	25	2 x M10	1 x M10	305
SSDSS072082	72 - 82	92	123	53	25	2 x M10	1 x M10	320
SSDSS080090	80 - 90	100	131	53	25	2 x M10	1 x M10	333
SSDSS088098	88 - 98	108	139	53	50	2 x M10	1 x M10	394
SSDSS096106	96 - 106	116	147	53	50	2 x M10	1 x M10	406
SSDSS105115	105 - 115	125	156	53	50	2 x M10	1 x M10	420