

## RELIANCE ALUMINIUM TREFOIL CLEATS WITH LSF LINER

CMP Reliance Aluminium Trefoil Cleats with LSF Liner for use with 3 x cable cleating solutions.

The Reliance cable cleats are metallic cable cleats which have been designed, constructed, and tested in accordance with the International Standard 'cable cleats for Electrical Installations' IEC 61914 to ensure the securing and retention of cables, without sustaining damage to the cable(s).

The range is fabricated from 5000 series aluminium and is available in 24 sizes to suit cable diameters 19mm to 128mm.

The cleat has three M10 fixing clearance holes within one base, allowing versatility to the installer during installation to use either one M10 bolt or two M10 bolts, and is designed to enable the product to be secured to a variety of mounting surfaces. The hinge opens fully allowing the cables to be easily placed within the cable cleat to aid the installer before closing and securing via the mouth piece bolt.

Liners come as standard which help to restrain the cable(s) within vertical applications. Where thermal elongation of cables occurs, the liner also provides a layer of protection between the cable sheath and the cable cleat during normal operation. This additional layer protects the cable from chafing on any mounting surface due to differential movements such as those found in marine and offshore applications. The liners also assist in the extra protection of cable(s) in the event of short circuit fault conditions. The standard liners supplied are classified as Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free.

### Features

- Third party certification to IEC 61914
- 5000 series aluminium
- 3mm material thickness
- 19 – 128mm in 24 sizes for trefoil formation / application
- Short circuit rating of 106kA peak fault
- Operating temperature -60°C to +60°C
- Liners are classified as Low Smoke & Fume (LSF),
- Zero Halogen (LS0H) and Phosphorus Free
- Combined single (M10) or two bolt (M10) fixing design

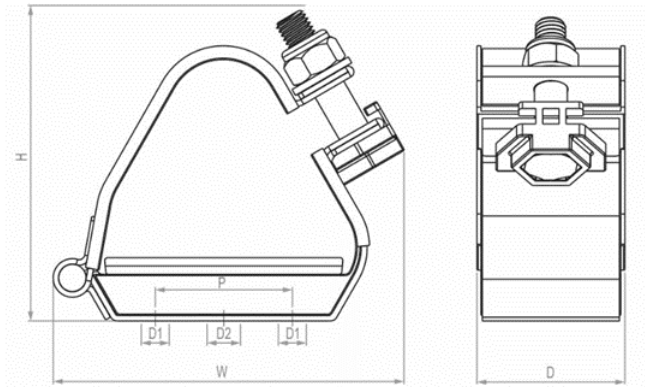
Short Circuit Testing to IEC 61914 - Clause 9.5	
Trefoil Formation	
One Short Circuit 300mm Fixed Cleat Centres	One Short Circuit 300mm Fixed Cleat Centres
0.1 sec	1.0 sec
105kA Peak	70kA Peak
50.5kA RMS	33.3kA RMS
Cable Ø 38mm	Cable Ø 38mm

300mm Reliance SDAL (0.1 sec)	
Cable OD (mm)	Peak kA
36	103
38	106
43	112
59	132
65	138

# SPECIFICATION DATA

Batt Part No.	CMP Reference	Cable OD Range (x 3):	Dimensions (mm)			Fixing Hole $\phi$		Weight (g)
			Width	Height	Depth	D1	D2	
90130	SDAL019023	19-23mm	102	87	54	2 x M10	1 x M10	260
90137	SDAL023028	23-28mm	106	88	54	2 x M10	1 x M10	285
90141	SDAL027032	27-32mm	109	97	54	2 x M10	1 x M10	294
90144	SDAL031035	31-35mm	110	103	54	2 x M10	1 x M10	302
90148	SDAL034038	34-38mm	112	107	54	2 x M10	1 x M10	307
90149	SDAL037042	37-42mm	134	108	54	2 x M10	1 x M10	357
90153	SDAL041046	41-46mm	136	113	54	2 x M10	1 x M10	366
90154	SDAL045050	45-50mm	138	121	54	2 x M10	1 x M10	376
90155	SDAL049055	49-55mm	140	127	54	2 x M10	1 x M10	390
90156	SDAL052058	52-58mm	142	130	54	2 x M10	1 x M10	398
-	SDAL056059	56-59mm	144	131	54	2 x M10	1 x M10	419
90157	SDAL056062	56-62mm	159	138	54	2 x M10	1 x M10	448
90159	SDAL060066	60-66mm	159	146	54	2 x M10	1 x M10	451
-	SDAL064070	64-70mm	162	153	54	2 x M10	1 x M10	461
-	SDAL068074	68-74mm	165	160	54	2 x M10	1 x M10	471
-	SDAL072078	72-78mm	170	167	54	2 x M10	1 x M10	483

\*Sizes up to a 128mm OD range are available upon request



The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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