

CENTURION (LDAL-B)

The Centurion 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(s).

The range is fabricated from 5000 series aluminium and is available in 23 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. This enables installation of the Centurion to a variety of mounting surfaces.

The hinge of the Centurion opens fully, allowing cables to be easily placed within the cable cleat, before closing and securing via the mouth piece bolt.



SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5

TREFOIL INFORMATION

One short circuit 300mm fixed cleat centres	Two short circuit 300mm fixed cleat centres	One short circuit 600mm fixed cleat centres	Two short circuit 600mm fixed cleat centres	One short circuit 300mm fixed cleat centres
0.1 sec	0.1 sec	0.1 sec	0.1 sec	1 sec
112kA Peak	86kA Peak	86kA Peak	86kA peak	71kA peak
50.9kA r.m.s	39.1kA r.m.s	39.1kA r.m.s	39.1kA r.m.s	32.3kA r.m.s

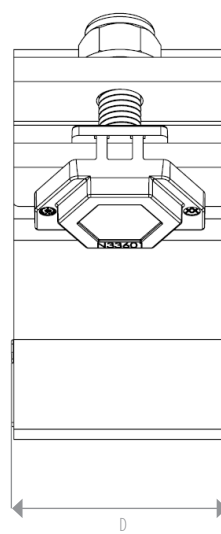
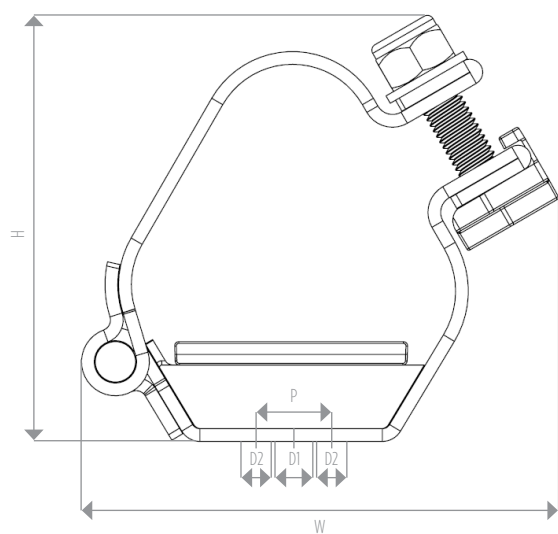
FEATURES

- Third party certification to IEC 61914
- 5000 series aluminium
- 19 - 128mm in 23 sizes for trefoil formation/application
- Operating temperature -50°C to +60°C
- Three M10 fixing clearance holes within one base



TECHNICAL DATA & CLASSIFICATION

TYPE	6.1.3 Composite
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-50°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	TBA
AXIAL LOAD TEST	0.6kN
IMPACT RESISTANCE	Pass - Very heavy IEC 61914 clause 6.3, 6.3.5, 9.2
MATERIAL	5000 Series Aluminium



CABLE CLEAT SELECTION TABLE

CENTURION PART NO.	CABLE Ø RANGE TAKE (mm)	DIMENSIONS (mm)						WEIGHT (g)
		W	H	D	P	FIXING HOLE Ø		
						D1	D2	
LDALB019023	19-23	103	83	51	25	1 x M10	2 x M10	226
LDALB023028	23-28	106	88	51	25	1 x M10	2 x M10	234
LDALB027032	27-32	110	91	51	25	1 x M10	2 x M10	240
LDALB031035	31-35	110	97	51	25	1 x M10	2 x M10	245
LDALB034038	34-38	112	100	51	25	1 x M10	2 x M10	259
LDALB037042	37-42	134	106	51	50	1 x M10	2 x M10	320
LDALB041046	41-46	136	110	51	50	1 x M10	2 x M10	315
LDALB045050	45-50	137	115	51	50	1 x M10	2 x M10	320
LDALB049055	49-55	140	125	51	50	1 x M10	2 x M10	330
LDALB052058	52-58	142	129	51	50	1 x M10	2 x M10	335
LDALB056062	56-62	161	138	51	75	1 x M10	2 x M10	382
LDALB060066	60-66	161	145	51	75	1 x M10	2 x M10	390
LDALB064070	64-70	163	152	51	75	1 x M10	2 x M10	397
LDALB068074	68-74	165	159	51	75	1 x M10	2 x M10	404
LDALB072078	72-78	167	167	51	75	1 x M10	2 x M10	412
LDALB076082	76-82	193	174	51	75	1 x M10	2 x M10	504
LDALB080086	80-86	195	182	51	75	1 x M10	2 x M10	483
LDALB084090	84-90	197	189	51	75	1 x M10	2 x M10	490
LDALB090098	90-98	203	204	51	75	1 x M10	2 x M10	506
LDALCB098103	98-103	208	213	51	75	1 x M10	2 x M10	515
LDALB103111	103-111	239	228	51	75	1 x M10	2 x M10	631
LDALB111119	111-119	246	243	51	75	1 x M10	2 x M10	609
LDALB119128	119-128	263	260	51	75	1 x M10	2 x M10	627

Coatings are available upon request by adding the following suffixes to the ordering reference - EC for epoxy coating, PC for polyester coating and TC for thermoplastic coating. Example order reference for epoxy coating suffix EC (LDAL-C019023EC). Fasteners required to secure the cable cleat to the support structure are not included but can be supplied upon request - see cleat fixing pack TDS752. Isolation/separation pads (to prevent corrosion between two dissimilar metals) are not included but can be supplied on request - see isolation/separation pad TDS736.