



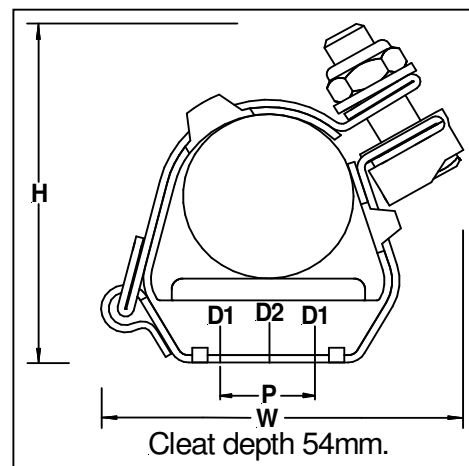
Emperor Data Sheet (Single Cable)

Emperor Cable Cleats are available for trefoil and single cable applications where the highest levels of short circuit withstand are required. The unique patented design allows rapid installation. The frame, manufactured from 316L stainless steel (BS EN 10088:1995), offers the ultimate protection against the harshest environmental conditions. The frame is tightened and locked using a combination of M12 Set Screw, Nyloc Nut and washer in A4 Stainless Steel (BS3692:2001), Screw head Retainer in 'Zero-Halogen, Low Smoke & Fume' (LSF) Nylon (MDS02 Data Sheet)* and Emperor LSF Polymeric Washer (MDS01 Data Sheet)*. To protect and cushion the cables during short circuit conditions, the cleat is supplied with an integral LSF Polymeric liner and base pads (MDS01 Data Sheet)*.

Recommended fixing methods include using either two 10mm bolts or a single 12mm bolt (available as extras), although other bolt sizes can be accommodated.

* Material Data Sheets MDS01 & MDS02 are available upon request.

Emperor Cleat - Single Cable Application



Selection Table for Single Cable Application

Part No			
ES-Cable Dia in mm.			
ES34	ES35	ES36	ES37
ES36	ES39	ES40	ES41
ES42	ES43	ES44	
ES45	ES46	ES47	ES48
ES49	ES50	ES51	
ES52	ES53	ES54	ES55
ES56	ES57	ES58	
ES59	ES60	ES61	ES62
ES63	ES64	ES65	
ES66	ES67	ES68	ES69
ES70	ES71	ES72	

Dimensions					Weight g
W mm	H mm	P mm	D1 mm	D2 mm	
87	84	25	10.2	12.2	400
91	89	25	10.2	12.2	400
92	90	25	10.2	12.2	400
96	93	25	10.2	12.2	420
97	94	25	10.2	12.2	420
99	98	25	10.2	12.2	430
100	99	25	10.2	12.2	420
103	102	25	10.2	12.2	450
104	103	25	10.2	12.2	430
109	101	25	10.2	12.2	460
110	102	25	10.2	12.2	440

Testing Information

Emperor Cleats have been tested in line with the European Standard of 'Cable Cleats for Electrical Installations' BS EN 50368:2003. Typical results are detailed below:

Properties	BS EN 50368:2003 Classification Clause	Units / Classification	Emperor Single Cable Application Test Data
Cleat Type	6.1, 6.1.3	Composite	-
Impact Resistance	6.2, 6.2.5, 9.3	Very Heavy Classification (>6.7kg @ 300mm)	Pass
Resistance to Electromechanical Force.	6.3	Refer to Ellis Patents for further details.	Refer to Ellis Patents for further details.
Temperature for Permanent Application	6.4	°C	-40 to 60
Needle Flame Test	6.5, 10.0	Application Time (seconds)	>120
Lateral Load Test	9.2	Newtons (N)	**14500
Axial Movement Test	9.5	Newtons (N)	700
** The Cleat deflected less than half the diameter of the cable.			