

EVERGROW STAINLESS STEEL TREFOIL CLEAT



Tested to BS EN 50368: 2003

World Highest Short Circuit - 264kA. Peak @ 0.1 sec.

The advantages are:

The folded edges give double strength compare with unfolded trefoil. The edges are smooth and eliminates the use of lining as it does not cut into the cable outer sheath. Extremely high short circuit properties. 1.2mm Marine grade SS316 with folded sides. Offer supreme Lateral and Axial Movement results.

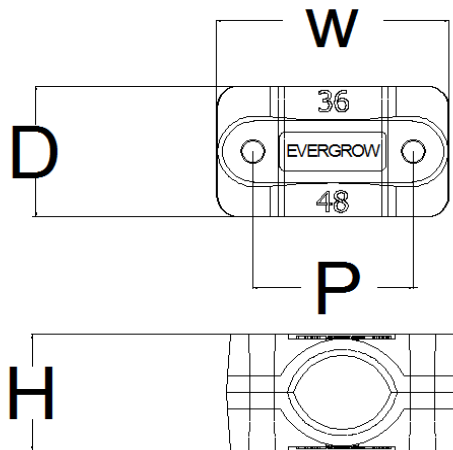
BS EN 50368: 2003 TEST RESULTS

Properties	Classification Clause	Units / Classification	Application Test Data
Cleat Type	6.1, 6.1.3	Metallic	-
Impact Resistance	6.2, 6.25, 9.3	Very Heavy Classification 6.7kG. @ 300mm	No Visual Defect Passed
Resistance to Electromechanical Force	6.3, 6.3.2.2, 9.4	kA@300mm	120kA. RMS 264kA. Peak
Needle Flame Test	6.5, 10.0	Application Time (Sec.)	> 120 Passed
Lateral Load Test	9.2	Newton (N)	20,000N.
Axial Movement Test	9.5	Newton (N)	5,000N.



Cast aluminium alloy cable cleats are designed for higher specification projects which call for an all metal product. The cleat is manufactured from an aluminium alloy casting to BS EN50368:2003 standard. LM6 grade aluminium is use for the production of our cleats. The product can be epoxy coated for use in harsh environments, such as sea air or chemical plant conditions.

2 Hole Cleat



Model	Cable Diameter Range mm	DIMENSION IN mm				Fixing Hole mm	Qty. Per Box	Weight gm. Per set (Appx.)
		W	H	D	P			
2H-1E	15-28	70	24	30	48	M8	50 SET	70
2H-2E	28-35	89	44	53	60	M10	50 SET	276
2H-3E	36-48	106	55	63	73	M10	50 SET	476
2H-4E	46-62	122	68	68	85	M10	50 SET	756
2H-5E	60-80	138	88	74	100	M10	25 SET	964
2H-6E	80-100	165	110	76	132	M10	25 SET	1,268
2H-7E	100-118	210	146	102	170	M12	25 SET	1,600

Bigger sizes are available on request

2-Hole Cleat Test Information

Properties	BS EN 50368:2003 Classification Clause	Units / Classification	Test Data
Cleat Type	6.1, 6.1.3	Metallic	-
Impact Resistance	6.2, 6.2.5, 9.3	Very Heavy Classification (>6.7kG.@300mm)	Pass
Resistance to Electromechanical Force	6.3	IEC61914: 2009	65kA. RMS 143kA. Peak
Temperature for Permanent Application	6.4	Degree C.	-10 to +100
Needle Flame Test	6.5, 10.0	Application Time (seconds)	>120
Lateral Load Test	9.2	Newtons (N)	60kN.
Axial Movement Test	9.5	Newtons (N)	28kN.

EVERGROW ALUMINUM TREFOIL CABLE CLEAT

EVERGROW trefoil cleat are manufactured with LM6 Aluminium alloy. The trefoil cleats are tested to BS EN 50368:2003 Standard. Suitable for marine use. All Screws, Pins, Washers and Spring washers are SUS316.

The aluminium Trefoil have been subjected to 16kA RMS Short Circuit with a cleat distance of 2.4 meters. It have also been tested under Destruction Test and have passed the Vertical and Horizontal Pull without any failure.



Evergrow Trefoil Test Information BS EN 50368: 2003

Properties	BS EN 50368:2003 Classification Clause	Units / Classification	Test Data
Cleat Type	6.1, 6.1.3	Metallic	-
Impact Resistance	6.2, 6.2.5, 9.3	Very Heavy Classification (>6.7kG. @300mm)	Passed.
Resistance to Electromechanical Force	6.3, 6.3.2.2, 9.4	kA.	60kA. RMS 132kA. Peak
Temperature for Permanent Application	6.4	Degree C.	-40 to +150
Needle Flame Test	6.5, 10.0	Application Time-seconds	>120
Lateral Load Test	9.2	Newtons (N)	25kN.
Axial Movement Test	9.5	Newtons (N)	4kN.

Evergrow Trefoil Test Information taken in AES Destruction Test, MTR Hong Kong

	MTR HK REQUESTED	Evergrow Aluminum Trefoil Test Data
Vertical Pull	60 kG.	580 kG.
Horizontal Pull	60 kG.	312 kG.

Evergrow Aluminum Trefoil Short Circuit Test Information

Evergrow Aluminum Trefoil cleats **passed 16kA. RMS, 36kA Peak with cleat spacing of 2.4 Meters.**

Test conducted in Wuhan State Grid as requested by MTR Hong Kong.

Test Reports available upon request.

Selection table for Evergrow Aluminum Trefoil Cleats

Model	Cable OD	Dimension mm			Fixing Hole	Appx. Weight
		W	H	D		
AT 01-21.0	18.0-21.0	73	62	40	M6	174
AT 02-24.1	21.1-24.1	81	70	40	M6	195
AT 03-27.2	24.2-27.2	90	79	45	M8	252
AT 04 30.3	27.3-30.3	97	88	45	M8	265
AT 05 33.3	30.4-33.4	103	90	45	M8	282
AT 06 36.5	33.5-36.5	117	100	50	M8	404
AT 07 39.6	36.6-39.6	123	106	50	M8	428
AT 08 42.7	39.7-42.7	130	111	60	M8	465
AT 09 45.8	42.8-45.8	136	122	50	M8	482
AT10 48.9	45.9-48.9	142	124	50	M8	502
AT11 52.0	49.0-52.0	148	137	50	M8	522
AT12 55.1	52.1-55.1	155	140	50	M8	540
AT13 58.2	55.2-58.2	160	144	50	M8	589
AT14 61.3	58.3-61.3	168	153	55	M10	710
AT15 64.9	61.4-64.9	187	165	55	M10	770
AT16 68.5	65.0-68.5	192	174	55	M10	830