

# Cable Cleats for Short Circuit Protection - Stainless Steel Locking Strap Cleat

## overview

The Stainless Steel Locking Strap Cleat is an effective option for protecting against lower to medium short circuit fault current requirements in harsh environments. The strap is made of 316L stainless steel, has inherent cable range-taking, and is compatible with quad, trefoil, and multicore cables.

The cleat is installed after running the cable using a Panduit patented mounting bracket. It is tensioned and cut using a battery-operated, electromechanical or manually-operated, ratchet-style installation tool.



## features



Cleats comply with IEC 61914:2015 standard. Tested at third party laboratory
316L stainless steel material
Operating temperature -40°C to +60°C (-40°F to +140°F)
Double Loop: 12 – 100 mm (0.472 – 3.937 in.) trefoil cable range-taking and 12 – 195 mm (0.472 – 7.677 in.) multicore cable range-taking via 13 parts
Fixing direct through rung slot or with a mounting bracket provides installation flexibility
Smooth surfaces and rounded edges reduce risk of cable insulation damage
Recommended cushion sleeve provides additional protection
Self-locking head for high-retained tension and low finished profile
Strap cut off eliminates exposed sharp edges
Rapid installation using a Panduit battery or manually-operated tool

## short circuit testing summary<sup>1</sup>

MLT#DH-L316 Product			
Trefoil Formation 39 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter
One Short Circuit Event (Clause 6.4.4) 300 mm spacing	Two Short Circuit Events (Clause 6.4.5) 300 mm spacing	One Short Circuit Event (Clause 6.4.4) 600 mm spacing	Two Short Circuit Events (Clause 6.4.5) 600 mm spacing
47.0 kA	47.0 kA	42.2 kA	33.2 kA
649 lbs force (2.89 kN)	649 lbs force (2.89 kN)	1047 lbs force (4.66 kN)	648 lbs force (2.88 kN)

<sup>1</sup>Test compliance to IEC 61914:2015 utilizing KEMA facility; Independent, ISO 17025 accredited testing, inspection, and certification services (IEEE, IEC, UL, and ANSI) for electric power equipment.

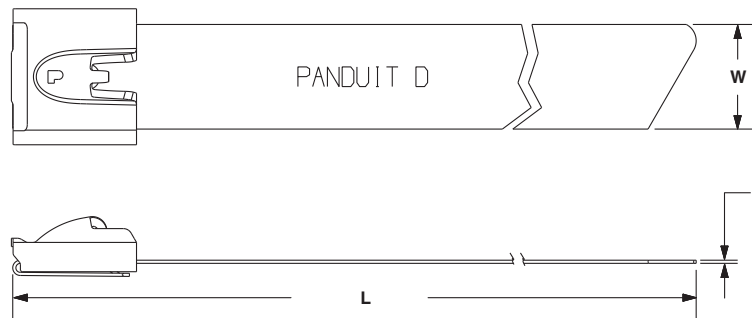
# Cable Cleats for Short Circuit Protection - Stainless Steel Trefoil Cleat

## short circuit testing summary<sup>1</sup> (continued)

MLT#DSH-Q316 Product			
Trefoil Formation 38 mm Cable Diameter	Trefoil Formation 38 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter
One Short Circuit Event (Clause 6.4.4) 300 mm spacing	One Short Circuit Event (Clause 6.4.4) 300 mm spacing	One Short Circuit Event (Clause 6.4.4) 600 mm spacing	Two Short Circuit Events (Clause 6.4.5) 600 mm spacing
75.1 kA	75.1 kA	60.4 kA	60.4 kA
1702 lbs force (7.57 kN)	1702 lbs force (7.57 kN)	2145 lbs force (9.45 kN)	2145 lbs force (9.45 kN)
MLT#DEH15-Q316 Product			
Trefoil Formation 38 mm Cable Diameter	—	Trefoil Formation 39 mm Cable Diameter	Trefoil Formation 39 mm Cable Diameter
One Short Circuit Event (Clause 6.4.4) 300 mm spacing	—	One Short Circuit Event (Clause 6.4.4) 600 mm spacing	Two Short Circuit Events (Clause 6.4.5) 600 mm spacing
56.1 kA	—	42.4 kA	35.7 kA
925 lbs force (4.11 kA)	—	1057 lbs force (4.70 kA)	749 lbs force (3.33 kA)

<sup>1</sup>Test compliance to IEC 61914:2015 utilizing KEMA facility; Independent, ISO 17025 accredited testing, inspection, and certification services (IEEE, IEC, UL, and ANSI) for electric power equipment.

## technical data



Part Number	Description	Trefoil Double Loop Cable Diameter Range		Flat Multicore Double Loop Cable Diameter Range		W		T		L	
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
MLT4DH-L316	Stainless steel locking strap cleat.	0.47 - 1.65	12 - 42	0.47 - 3.74	12 - 95	0.31	7.9	0.010	0.25	28.0	711
MLT4DH-L	Stainless steel locking strap cleat.	0.47 - 1.65	12 - 42	0.47 - 3.74	12 - 95	0.31	7.9	0.010	0.25	28.0	711
MLT4DEH15-Q316	Stainless steel locking strap cleat.	0.47 - 1.65	12 - 42	0.47 - 3.74	12 - 95	0.50	12.7	0.015	0.38	29.5	749
MLT4DSH-Q316	Stainless steel locking strap cleat.	0.47 - 1.65	12 - 42	0.47 - 3.74	12 - 95	0.63	15.9	0.015	0.38	29.5	749
MLT4DSH-Q	Stainless steel locking strap cleat.	0.47 - 1.65	12 - 42	0.47 - 3.74	12 - 95	0.63	15.9	0.015	0.38	29.5	749
MLT5DH-L316	Stainless steel locking strap cleat.	1.65 - 2.28	42 - 58	3.74 - 4.72	95 - 120	0.31	7.9	0.010	0.25	34.0	863
MLT6DEH15-Q316	Stainless steel locking strap cleat.	1.65 - 2.84	42 - 72	3.74 - 5.91	95 - 150	0.50	12.7	0.015	0.38	41.5	1054
MLT6DSH-Q316	Stainless steel locking strap cleat.	1.65 - 2.84	42 - 72	3.74 - 5.91	95 - 150	0.62	15.9	0.015	0.38	41.5	1054
MLT6DSH-Q	Stainless steel locking strap cleat.	1.65 - 2.84	42 - 72	3.74 - 5.91	95 - 150	0.62	15.9	0.015	0.38	41.5	1054
MLT6DH-L316	Stainless steel locking strap cleat.	2.28 - 2.84	58 - 72	4.72 - 5.91	120 - 150	0.31	7.9	0.010	0.25	40.0	1016
MLT8DEH15-Q316	Stainless steel locking strap cleat.	2.84 - 3.94	72 - 100	5.91 - 7.68	150 - 195	0.50	12.7	0.015	0.38	53.5	1359
MLT8DSH-Q316	Stainless steel locking strap cleat.	2.84 - 3.94	72 - 100	5.91 - 7.68	150 - 195	0.63	15.9	0.015	0.38	53.5	1359
MLT8DSH-Q	Stainless steel locking strap cleat.	2.84 - 3.94	72 - 100	5.91 - 7.68	150 - 195	0.63	15.9	0.015	0.38	53.5	1359

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