

## Aluminium Two Bolt Cleat (ATC-Range) BICC Aion



### Aluminium Cable Cleat:

In all cable installations, an essential factor is to ensure that all cables are secured with the correct cleats for the cable, application, and environment. The ATC series of cleats support and secure all cables in a single formation throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained, and cable damage can be prevented.

The ATC range of cleats comply with latest requirements to EN 61914:2016 & IEC 61914:2015 standards. The cleats are manufactured from LM6 grade die cast aluminium with excellent corrosion characteristics and resistant to adverse weather conditions. The cleats are designed to hold and retain all types of cables in a single formation.

The ATC range cable cleats are marked "BICC Components" along with the cable diameter range (XX-XX) accommodation covering diameters from 30mm to 135mm.

The short circuit ratings mentioned below are based on single core cable formation as per the EN 61914:2016 & IEC 61914:2015 standards. Short circuit report for multicore cables is available upon request.

Test Standard EN 61914:2016 & IEC 61914:2015					
Description:	Clause:	Classification:	Description:	Clause:	Classification:
Type	6.1.1	Metallic	Resistance to Short Circuit	6.4.4 – 1 short circuit	25kA RMS / 62.5kA Peak
Operating Temperature	6.2	-40°C to +110°C		6.4.5 – 2 short circuits	25kA RMS / 62.5kA Peak
Impact Resistance	6.3.5	Very Heavy	Ultraviolet Light	6.5.1	Not Applicable
Lateral Retention	6.4.2	8 KN	Corrosion	6.5.2.2	High
Axial Retention	6.4.3	0.6 KN	Needle Flame	10.1	>120 secs
Cleat Spacing			As cleat spacing is dependent on system fault level and cable diameter then please enquire with the cleat manufacturer for correct maximum cleat spacing, for the system design.		

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### Features:

- Low, Medium and High Voltage Single or Multi Core Cables in Single Formation.
- Cable Diameter Range from 30mm to 170 mm.
- Can be Double Stacked on a Common Fixing
- **Material:** LM6 Grade Die Cast Aluminium.
- Suitable for Use With all Standard Ladder and Tray Systems.
- Operating Temperatures -40°C to +110°C.

**Selection Table:**

Item Code	Cable Diameters (mm)		Cleat Dimensions (mm)				Hole Fixings
	Min.	Max.	W	H	D	P	
ATC 30-40	30	40	TBA	TBA	TBA	TBA	2 X M10
ATC 40-50	40	50	96.0	55.0	59.0	76.0	2 X M10
ATC 51-57	51	57	99.0	62.0	49.0	76.0	2 x M10
ATC 57-64	57	64	118.0	69.0	49.0	95.0	2 x M10
ATC 64-70	64	70	115.0	85.0	44.0	90.0	2 x M10
ATC 70-76	70	76	134.0	87.0	47.0	109.0	2 x M10
ATC 76-83	76	83	142.0	96.0	51.0	116.0	2 x M12
ATC 83-89	83	89	147.0	97.0	60.0	116.0	2 x M12
ATC 89-95	89	95	156.0	104.0	61.0	128.0	2 x M12
ATC 95-101	95	101	151.0	110.0	64.0	124.0	2 x M12
ATC 101-108	101	108	172.0	120.0	60.0	140.0	2 x M12
ATC 108-114	108	114	172.0	126.0	76.0	149.0	2 x M12
ATC 114-120	114	120	172.0	154.0	76.0	149.0	2 x M12
ATC 120-125	120	125	172.0	160.0	76.0	149.0	2 x M12
ATC 125-135	125	135	193.0	143.0	72.0	163.5	2 x M12
ATC160-170	160	170	244.0	193.0	91.0	206.0	2 x M12

**Disclaimer:** The dimension provided are for guidance and given in good faith, however BICC Components reserve the right to change these without prior notification.

