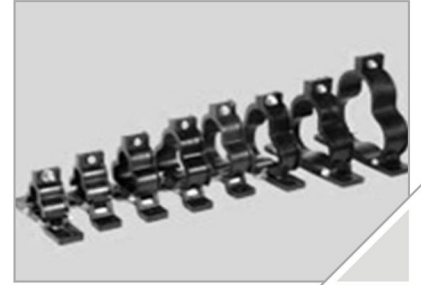




TREFOIL CLAMPS / CABLE CLEATS



AERON Trefoil Clamps / Cable Cleats are used for laying single core cables in Trefoil touching formation which helps to maintain magnetic symmetry thereby avoiding electromagnetic heating and loss of current.

AERON Trefoil clamps have been manufactured by molding process from Virgin Glass Filled materials. Glass filled materials are used to increase the flexibility of the clamp & to avoid the breaking of the clamps from the hook while tightening procedure of the three single core cables.

APPLICATION

Trefoil clamps are used for high voltage single core or higher sizes cables where the current rating is high & 3 core cables are not available.

Trefoil clamps are suitable for supporting single core PVC/ HDE, XLPE, XLPE insulated aluminium, unarmoured, earth and un earth power cables from 1.1 kv to 132 kv grade. 3 phase AC circuits in trefoil formation in generation stations, sub-stations, thermal power stations, switchgear plants, industrial installation, terminal kits, and straight through jointing kits etc. these can be used for indoor or outdoor for vertical or horizontal running cables inside trenches or on racks / galleries.

Three single core cables are fixed in to the Trefoil clamps by means of Bolts, Nuts & Washers are commonly SS hardware or MS Zinc passivated, which depends upon the Customer's request.

ADVANTAGES OF AERON TREFOIL CLAMPS: -

- » High Mechanical Strength
- » Long Life as not affected by Atmosphere, Chemicals & Acids.
- » Reduce Breaking chances of Hooks due to Glass filled Nylon material.
- » Voids electromagnetic heating and loss of current.
- » Some Variation of cable diameter also can be fixed easily & gives the good mechanical strength due to its special Design.

REQUIRED TESTS FOR TREFOIL CLAMPS: -

- » Aeron Trefoil Clamps / Cable Cleats has been tested satisfactorily to withstand 50 KA short circuit fault current with spacing between Trefoil clamps kept at one meter distance.
- » Centre distance between Trefoil clamps can be increased for lower fault level than 50 KA & hence total requirements of clamps can be reduced thereby reduction in cost.

RANGE OF TREFOIL CLAMPS/CABLE CLEATS

CURRENT RANGE OF TREFOIL CLAMPS			
Model No.	Min (in mm)	Max (in mm)	CC of Mounting Holes (in mm)
ATC 03	16.0	19.0	110
ATC 04	19.0	23.0	110
ATC 05	23.5	26.5	110
ATC 06	34.5	37.5	110
ATC 08	31.0	34.0	110
ATC 10	38.0	41.0	110
ATC 14	42.0	44.0	110
ATC 16	44.0	47.5	110
ATC 21	47.5	50.0	140
ATC 24	50.9	54.0	140
ATC 28	54.1	57.2	140
ATC 30	57.3	60.3	140
ATC 35	60.4	63.5	180
ATC 37	63.6	66.5	180
ATC 39	67.0	69.0	180
ATC 43	69.0	73.0	180
ATC 50	76.0	80.0	180
For sizes not listed above please contact us.			

Aeron Trefoil Clamps are supplied with bolts, nuts & washers which are generally MS Zinc passivated, SS hardware can be supplied against specific requirement.

SINGLE CLAMP

Aeron also offers range of FRP single clamps/ Cable Cleats.

Sizes available from 42mm to 120mm cable Diameter.



Model No.	Min.	Max.
ASC 16	Ø 42mm	Ø 46mm
ASC 26	Ø 52mm	Ø 56mm
ASC 30	Ø 57mm	Ø 60mm
ASC 40	Ø 64mm	Ø 70mm
ASC 75	Ø 85mm	Ø 105mm
ASC 90	Ø 112mm	Ø 120mm
For sizes not listed above please contact us.		

Supplied with MS zinc passivated hardware with optional Hardware available in hot dip galvanized or SS 304 / 316.