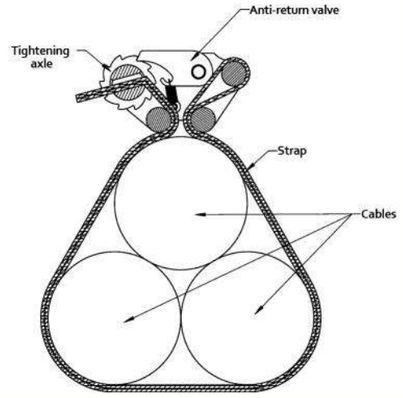
Strap Cleats

DESCRIPTION

Strap cleats are intended for holding one or more cables in a trefoil arrangement when they need to be suspended or installed horizontally. They allow simple and rapid installation.

There are 4 types of strap cleats: intermediary strap cleats, strap cleats suspended on eyelets, spiral suspended strap cleats, capstan-headed screw suspended strap cleats.



INFORMATION

Strap cleats are subjected to numerous internal tests as well as those from a certified laboratory to measure their mechanical strength against heavy loads and short-circuit forces.

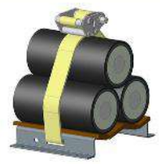
These tests allow our cleats to be approved according to standard IEC 61914 and with the RTE.

When ordering your strap cleats, our design office will be at your disposal to calculate the cleat gaps, calculate resistance to ICC or calculate snaking and expansion of cables

Special Strap Cleats

Fastening a strap cleat to the ceiling, page 33

Shoe, page 16



Ground bracket, page 18

Y-cleat, page 17

Bracket, page 28

Intermediary strap cleats

DESCRIPTION

Intermediary strap cleats are designed to hold 3 cables in a trefoil and to absorb forces generated by a short circuit.

CS2I/***

MATERIAL

Non-corrosive materials
Cleat: aluminium + stainless steel
Strap: HRPE / anti-UV and flame-resistance / crack resistance: 2000daN (40mm) and 4000 daN (80mm)

INFORMATION

The strap is tightened by a ratchet and is locked at the end of fitting.

STANDARD

RTE-approved according to size and application, IEC-certified, see pages 35 and 36

Suspended Strap Cleats
Spiral Strap Cleats

DESCRIPTION

Spiral suspended strap cleats can be fastened to various media (e.g. bracket, joinery, etc.) to support cables and allow a high degree of freedom of movement of the cleat (rotation that is perpendicular and parallel to the axis of the cable).
They absorb the forces generated by a short circuit.

CSI/***-QC****

MATERIAL

Non-corrosive materials
Cleat: aluminium + stainless steel
End: M12 Stainless steel
Strap: HRPE / anti-UV and flame-resistance / crack resistance: 2000daN (40mm) and 4000 daN (80mm)

INFORMATION

The strap is tightened by a ratchet and is locked at the end of fitting.

To be ordered separately:
Fastening bracket, see page 28

STANDARD

RTE-approved according to size and application, IEC-certified, see pages 35 and 36

Strap cleats suspended from capstan-headed screw

DESCRIPTION

Strap cleats suspended from capstan-headed screw can be fastened to various media (e.g.: bracket, joinery etc.) to support the cables and allow a rotation of the cable parallel to the axis of the cable.
They absorb the forces generated by a short circuit.

CSI/***

MATERIAL

Non-corrosive materials
Cleat: aluminium + stainless steel
Capstan-headed screw: M12 Stainless steel
Strap: HRPE / anti-UV and flame-resistance / crack resistance: 2000daN (40mm) and 4000 daN (80mm)

INFORMATION

The strap is tightened by a ratchet and is locked at the end of fitting.

To be ordered separately:
Fastening bracket, see page 28

STANDARD

RTE-approved according to size and application, IEC-certified, see pages 35 and 36

Eyelet suspended strap cleats

DESCRIPTION

Eyelet suspended strap cleats are used to suspend the cables assembled in twisted loom.
These cleats do not bear short circuit forces.

CAO40/***

MATERIAL

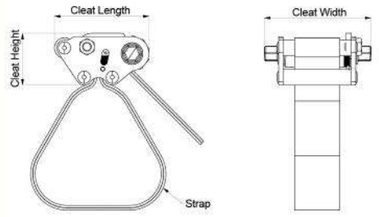
Non-corrosive materials
Manille : Stainless steel
Strap: HRPE / anti-UV and flame-resistance / crack resistance: 2000daN (40mm)
Max. load = 150 daN

INFORMATION

To allow great resistance, the strap does not contain any seam and is doubled at the level of 4 holes of 10 mm hot drilled.

Strap Cleat References on the Following Page

Intermediary Strap Cleats



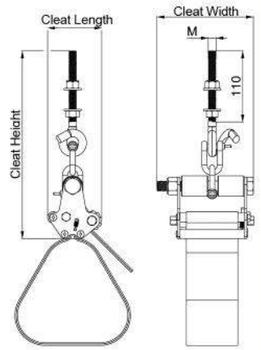
To make your installation plans easier, we can provide you with our simplified 3D files on request

Ø in mm for each cable (1 phase)	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap length in cm	Strap length in mm	Cleat reference
10 to 21	83	75	46	100	20	**CS2I20/100**
21 to 30	83	75	46	110	20	**CS2I20/110**
30 to 38	83	95	46	120	40	**CS2I40/120**
38 to 55	83	75	46	140	20	**CS2I20/140**
38 to 55	83	95	46	140	40	**CS2I40/140**
38 to 55	83	130	46	140	80	**CS2I80/140**
55 to 63	83	130	46	150	80	**CS2I80/150**
63 to 71	83	95	46	160	40	**CS2I40/160**
63 to 71	83	130	46	160	80	**CS2I80/160**
71 to 88	83	130	46	180	80	**CS2I80/180**
88 to 105	83	95	46	200	40	**CS2I40/200**
88 to 105	83	130	46	200	80	**CS2I80/200**
105 to 121	83	95	46	220	40	**CS2I40/220**
121 to 146	83	95	46	250	40	**CS2I40/250**
121 to 146	83	130	46	250	80	**CS2I80/250**

We can make bespoke cleats, please contact us for other sizes

Spiral-attached suspended strap cleats

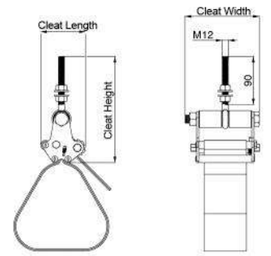
Ø in mm for each cable (1 phase)	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap width in mm	Strap length in mm	Threading (M)	Cleat reference
63 to 71	83	150	300	80	160	M12	**CSI80/160-QC12**
71 to 88	83	150	300	80	180	M12	**CSI80/180-QC12**
88 to105	83	150	300	80	200	M10	**CSI80/200-QC10**
88 to105	83	150	300	80	200	M12	**CSI80/200-QC12**
105 to121	83	150	300	80	220	M12	**CSI80/220-QC12**
121 to145	83	150	300	80	250	M12	**CSI80/250-QC12**



To make your installation plans easier, we can provide you with our simplified 3D files on request

We can make bespoke cleats, please contact us for other sizes

M12 Eyelet Suspended Strap Cleats



To make your installation plans easier, we can provide you with our simplified 3D files on request

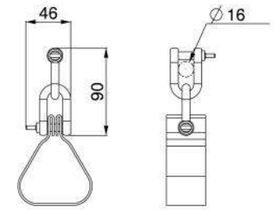
Ø in mm for each cable (1 phase)	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap length in cm	Strap length in mm	Cleat reference
10 to 21	83	90	200	100	20	**CSI20/100**
10 to 21	83	110	200	100	40	**CSI40/100**
21 to 30	83	110	200	110	40	**CSI40/110**
30 to 38	83	110	200	120	40	**CSI40/120**
38 to 55	83	90	200	140	20	**CSI20/140**
38 to 55	83	110	200	140	40	**CSI40/140**
38 to 55	83	150	200	140	80	**CSI80/140**
55 to 71	83	110	200	160	40	**CSI40/160**
55 to 71	83	150	200	160	80	**CSI80/160**
71 to 88	83	110	200	180	40	**CSI40/180**
71 to 88	83	150	200	180	80	**CSI80/180**
88 to105	83	110	200	200	40	**CSI40/200**
88 to105	83	150	200	200	80	**CSI80/200**
105 to 121	83	110	200	220	40	**CSI80/220**
121 to 146	83	150	200	250	80	**CSI80/250**

We can make bespoke cleats, please contact us for other sizes

Eyelet Strap Cleats

Section for each cable (1 phase)	Cleat length in mm	Cleat height in mm	Strap width in mm	Maximum load	Cleat reference
10² to 95²	46	90	40	150 daN	**CAO40/3x95-2**
95² to 150²	46	90	40	150 daN	**CAO40/3x150-2**
150² to 240²	46	90	40	150 daN	**CAO40/3x240-2**

To make your installation diagrams easier, we can provide you with our simplified 3D files on request



We can make bespoke cleats, please contact us for other sizes

Simplified Intermediary Strap Cleat

DESCRIPTION

The simplified intermediary strap cleat allows 3 cables to be held between them and/or hold one or more cables on a cable ladder.

The simplified intermediary strap cleat has not been subjected to a mechanical strength test, it is therefore advised for applications where there are no mechanical constraints are to be taken into account.

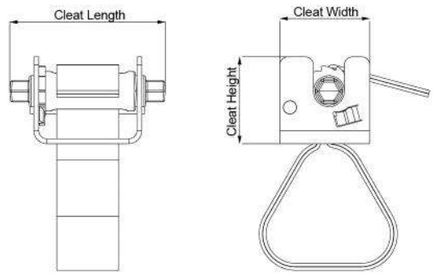
⇒ Without mechanical constraint

MATERIAL

Stainless Steel
Aluminium

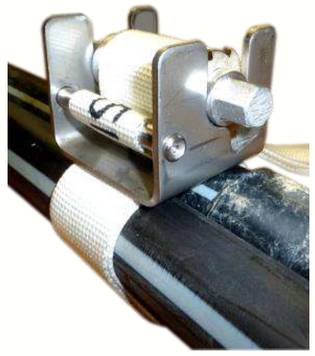
Polyester Strap

CE2I40/***



Ø in mm for each cable (1 phase)	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap length in cm	Strap length in mm	Cleat reference
30 to 38	95	55	53	120	40	**CE2I40/120**
38 to 55	95	55	53	140	40	**CE2I40/140**
55 to 71	95	55	53	160	40	**CE2I40/160**
71 to 88	95	55	53	180	40	**CE2I40/180**

We can make bespoke cleats, please contact us for other sizes



Shoe

DESCRIPTION

The shoe is used for installations on the ground where the single phase cables are provided as a trefoil.
The cables rest on a protection and are held in a stainless steel sheet by an intermediary strap cleat provided.

MATERIAL

Stainless steel or HDPE

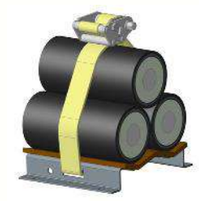
INFORMATION

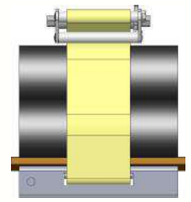
Shoe sized following the diameter of cables

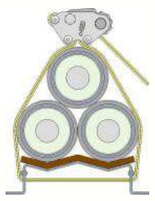
Provided with the cleat:
Protection between the cables and
stainless steel sheet Closing screws

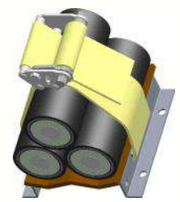
To be ordered separately:
Fastening screws (4 x M10 screws), see page 32
Earthing cable clamp (placement provided), see page 31

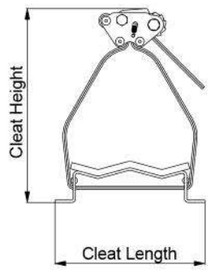
S-CS2I **/*****

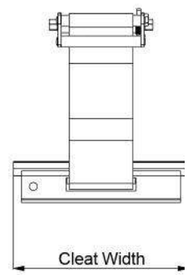


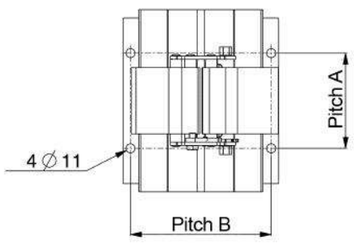












To make your installation diagrams easier, we can provide you with our simplified 3D files on request

Ø in mm for each cable	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap length in cm	Strap length in mm	Pitch A	Pitch B	Reference
80	188	200	243	180	80	115	170	**S80-CS2I 80/180**
95	216	200	268	200	80	115	198	**S95-CS2I 80/200**
100	228	200	275	200	40	115	210	**S100-CS2I 40/200**
120	273	200	318	220	80	115	225	**S120-CS2I 80/220**

We can make bespoke cleats, please contact us for other sizes

Y-cleat

DESCRIPTION

The Y-cleat allows cables, junctions or large diameter tubes to be held. It is screwed onto a junction support chassis, on a baseplate or on an end cleat.

CSY80*/*

MATERIAL

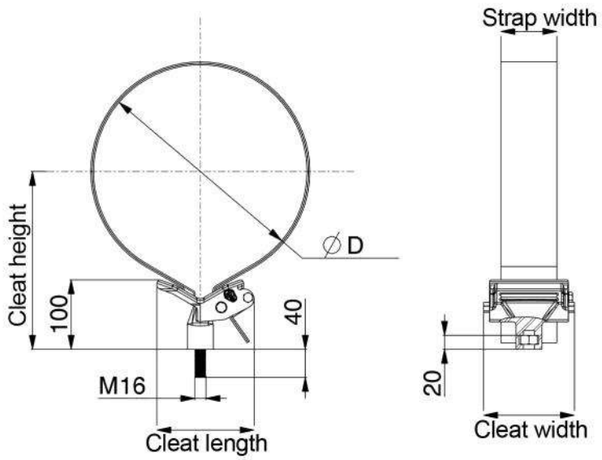
Cleat: aluminium alloy AS13 + parts coated in stainless steel
Strap: HRPE / anti-UV and flame-resistance / crack resistance: 4000 daN

INFORMATION

The strap is tightened by a ratchet and is locked at the end of fitting

Provided with the cleat:
Closing screws

To be ordered separately:
Closing screw, see page 32
Possibility of fastening the Y cleat to a baseplate or an end cleat, see pages 25 and 26



To make your installation plans easier, we can provide you with our simplified 3D files on request

Ø D in mm	Cleat length in mm	Cleat width in mm	Cleat height in mm	Strap length in cm	Strap width in mm	Reference version screw M16	Reference version nut M16
250	140	130	220	180	80	**CSY80V/180**	**CSY80E/180**
430	140	130	320	300	80	**CSY80V/300**	**CSY80E/300**

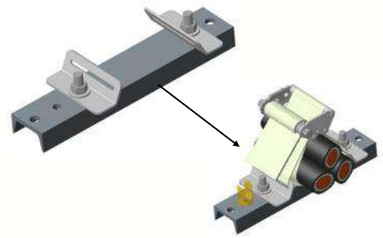
We can make bespoke cleats, please contact us for other sizes

Ground Bracket

DESCRIPTION

The ground bracket is provided to hold two or three cables horizontally in a trefoil. The galvanised steel beam is provided with 2 stainless steel brackets for fastening an intermediary strap cleat that is not provided.

EAS-***-***



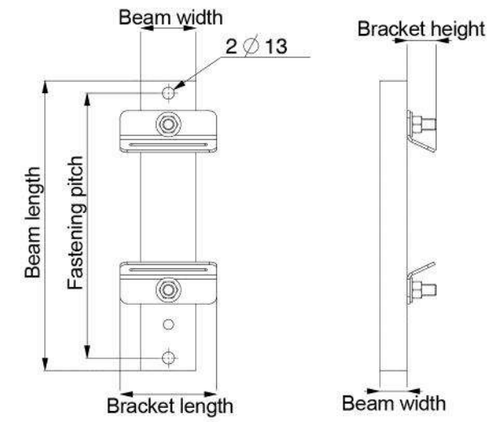
MATERIAL

Beam: hot-dip galvanised steel
Brackets and screws: stainless steel

INFORMATION

Provided with ground bracket:
Screws for fastening the brackets of stainless steel

To be ordered separately:
Intermediary strap cleat, strap width 40mm or 80mm, pages 11, 12 ,13 and 14.
Earthing cable clamp (hole of diameter 11mm), see page 31



To make your installation diagrams easier, we can provide you with our simplified 3D files on request

Ø in mm cable (1 phase)	Beam length in mm	Beam width in mm	Beam height in mm	Brackets length in mm	Brackets height in mm	Strap width in mm	Fastening screw pitch in mm	Combined strap cleat (not supplied)	Reference
45 to 55	315	60	30	65	31.5	40	288	CS2I40/160	**EAS40-110-288**
45 to 55	315	60	30	105	31.5	80	288	CS2I80/160	**EAS80-110-288**
55 to 65	335	60	30	105	31,5	40	308	CS2I40/160	**EAS40-130-308**
55 to 65	335	60	30	105	31.5	80	308	CS2I80/160	**EAS80-130-308**
65 to 75	355	60	30	105	31.5	80	328	CS2I80/180	**EAS80-150-328**
75 to 85	375	60	30	105	31.5	80	348	CS2I80/180	**EAS80-170-348**
85 to 95	395	60	30	105	31.5	80	368	CS2I80/200	**EAS80-190-368**

We can make bespoke cleats, please contact us for other sizes