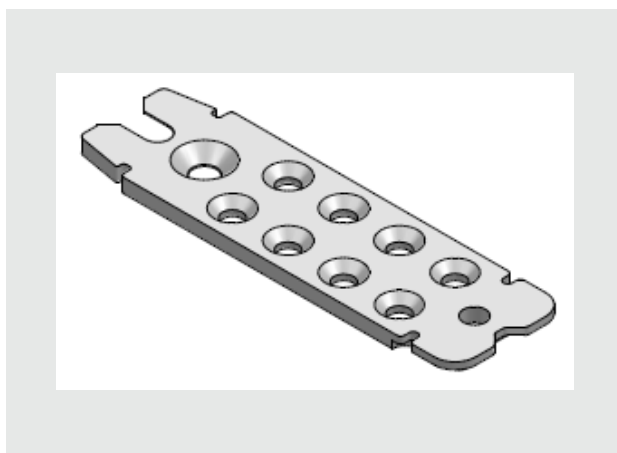


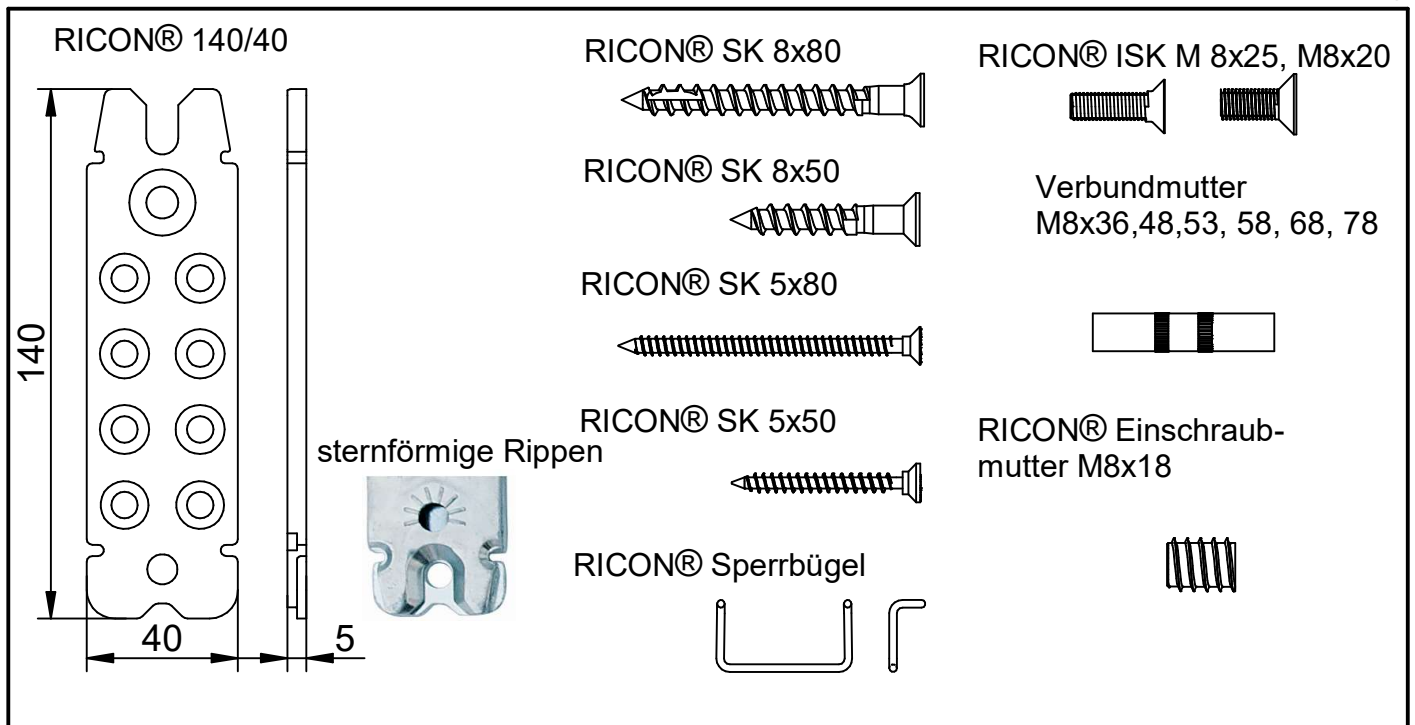


Art.-Nr.

Montageanleitung RICON® 140/40



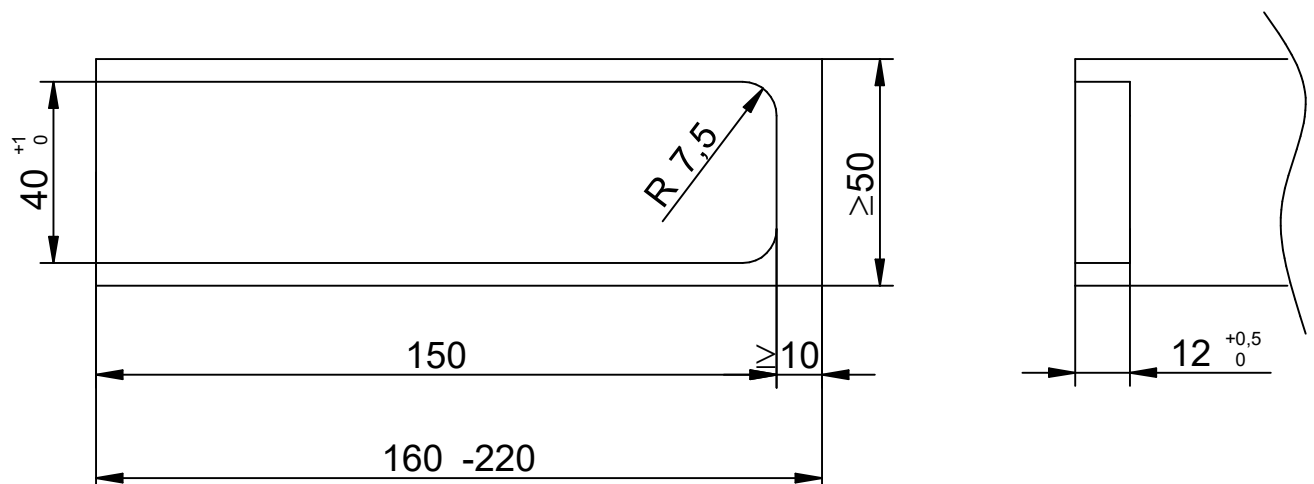
Pfosten-Riegelverbindung
mit ETA Zulassung

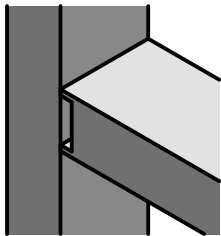


Einzel und Doppelanschluss

Pfosten-Riegelverbindung

Riegel Fräsbild



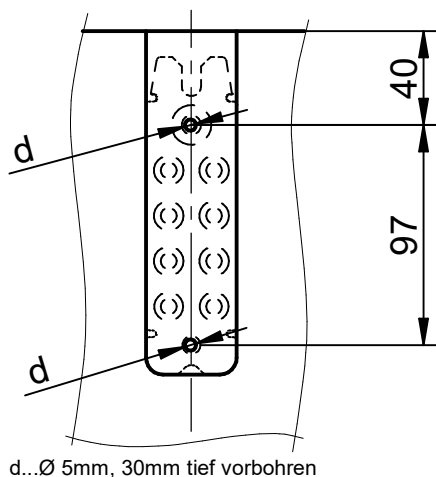


Art. Nr. K365

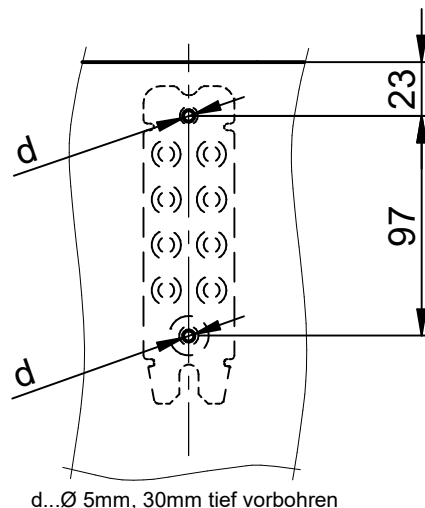
Montageanleitung RICON® 140/40 EA

Einzelanschluss
Pfosten-Riegelverbindung

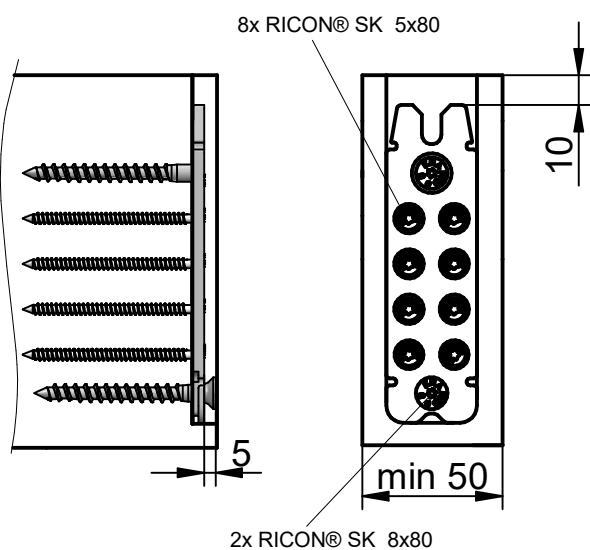
Bohrbild im Riegel



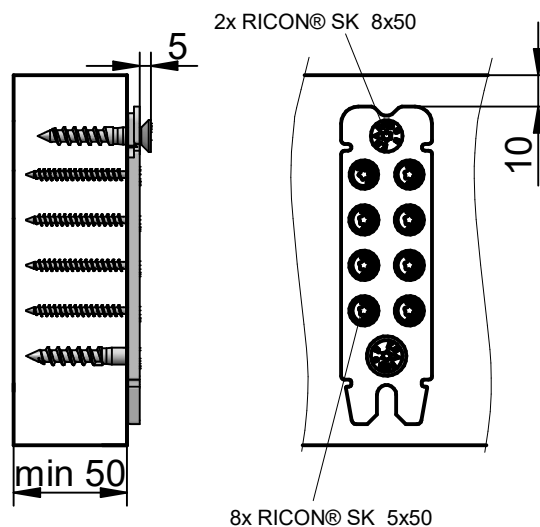
Bohrbild im Pfosten



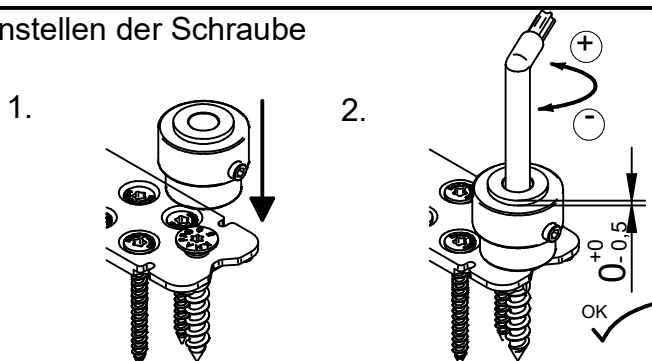
Schraubenbild im Riegel



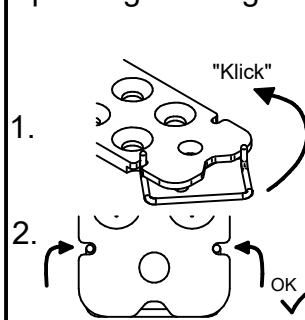
Schraubenbild im Pfosten



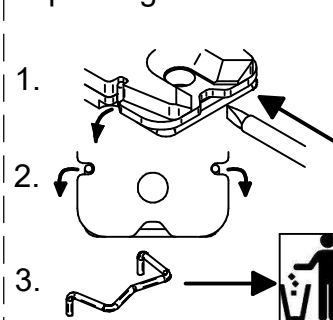
Einstellen der Schraube



Sperrbügel einlegen

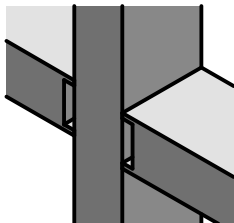


Sperrbügel lösen



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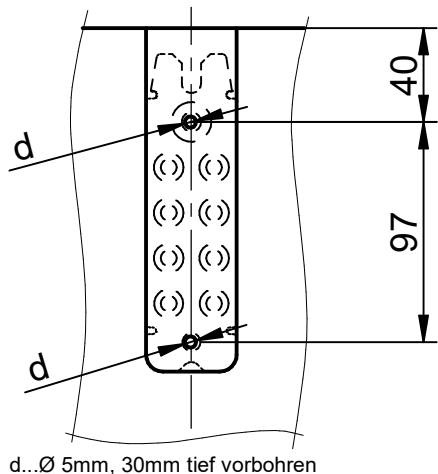


RICON® 140/40 DA

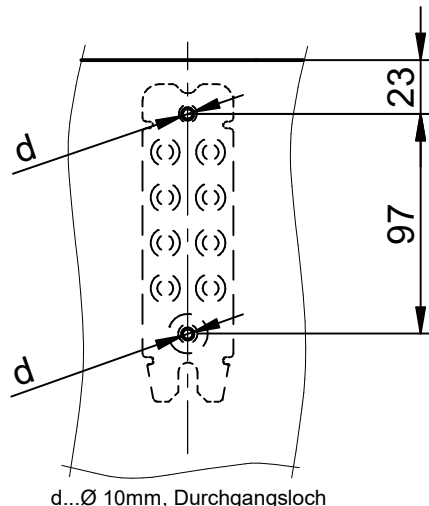
Art. Nr. K165/48;
K165/58; K165/78

Doppelanschluss
Pfosten-Riegelverbindung

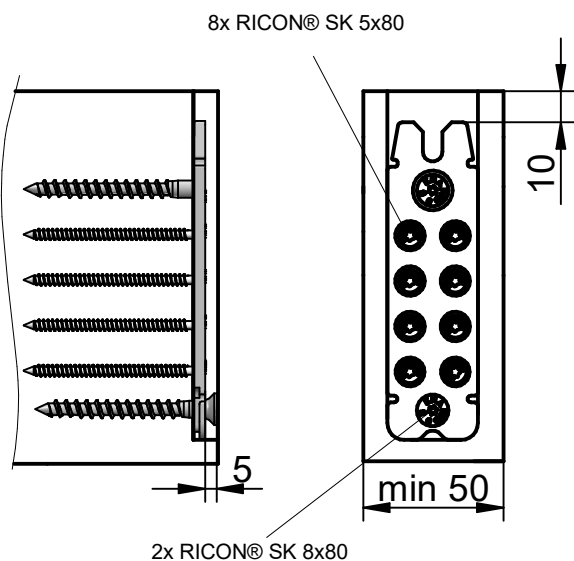
Bohrbild im Riegel



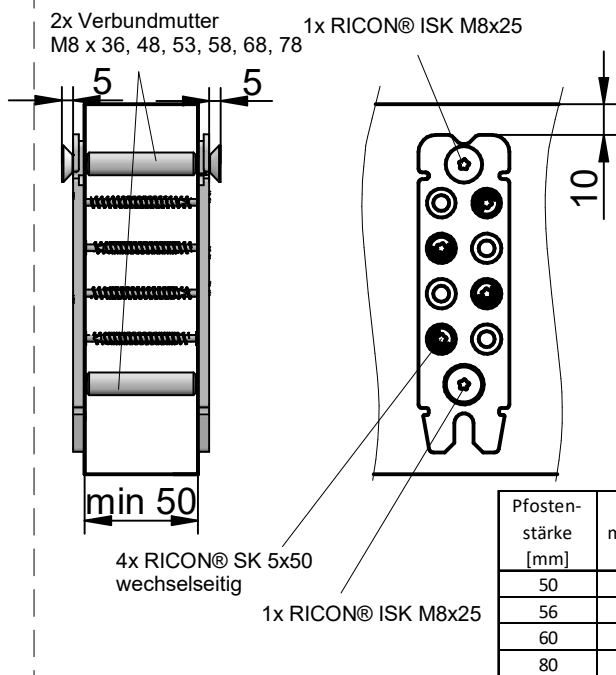
Bohrbild im Pfosten



Schraubenbild im Riegel

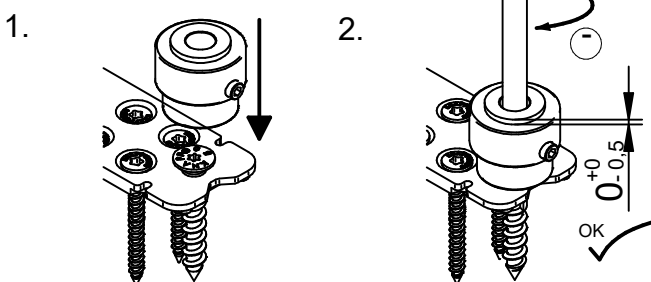


Schraubenbild im Pfosten

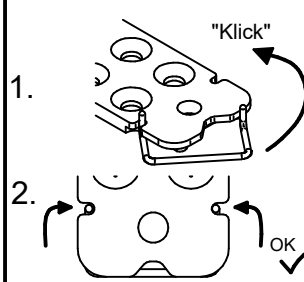


Pfosten- stärke [mm]	Verbund- mutterlänge [mm]
50	48
56	53
60	58
80	78

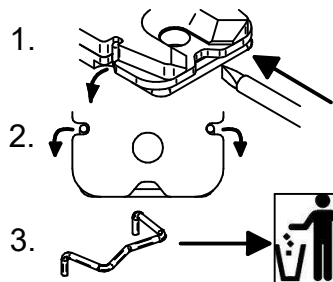
Einstellen der Schraube

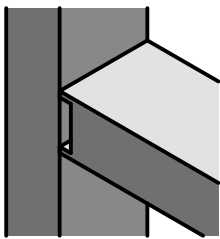


Sperrbügel einlegen



Sperrbügel lösen



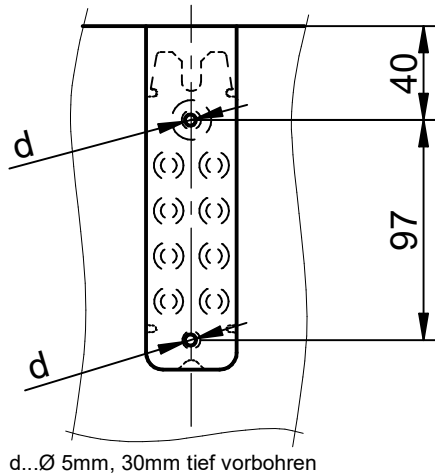


RICON® 140/40 EAR

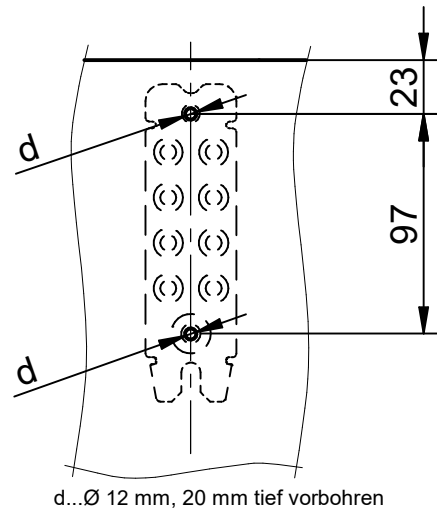
Einzelanschluss mit Einschraubmutter
Pfosten-Riegelverbindung

Art. Nr. K265

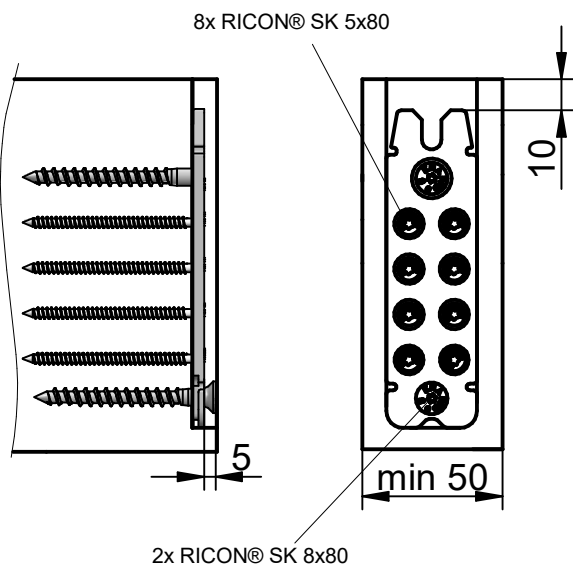
Bohrbild im Riegel



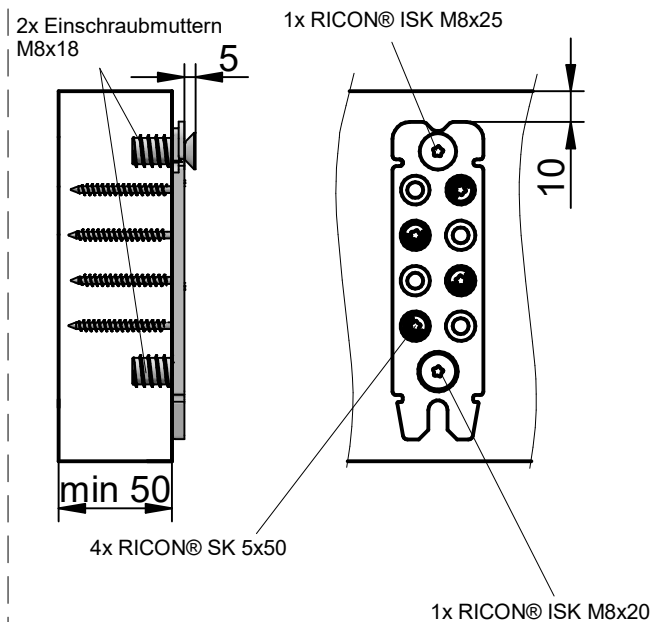
Bohrbild im Pfosten



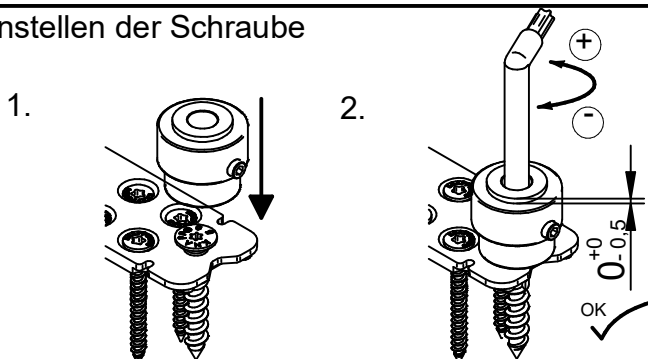
Schraubenbild im Riegel



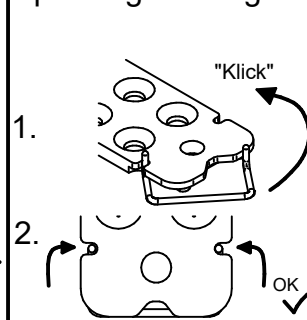
Schraubenbild im Pfosten



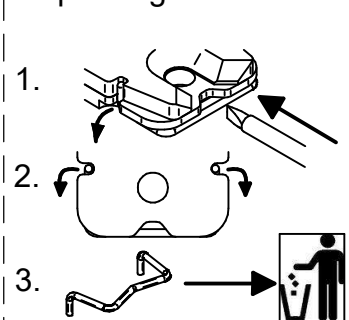
Einstellen der Schraube



Sperrbügel einlegen



Sperrbügel lösen



Montageanleitung

RICON® 140/40



Haupt- Nebenträgerverbindung
mit ETA Zulassung

RICON® 140/40

RICON® SK 8x80

RICON® SK 8x50

RICON® SK 5x80

RICON® SK 5x50

RICON® Sperrbügel

RICON® ISK M 8x25, M8x20

Verbundmutter
M8x36,48,53, 58, 68, 78

RICON® Einschraub-
mutter M8x18

sternförmige Rippen

Einzel- und Doppelanschluss

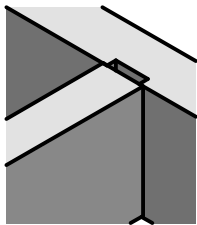
Haupt-Nebenträgerverbindung

Hauptträger Fräsbild

träger in Abhängigkeit der Neben-
trägerhöhe HN

Höhe HN [mm]	Länge L [mm]
160	150
180	160
200	170
220	180
240	200
260	210

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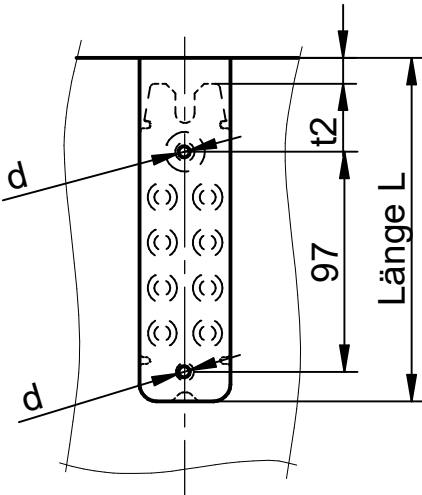


Montageanleitung RICON® 140/40 EA

Art. Nr. K365

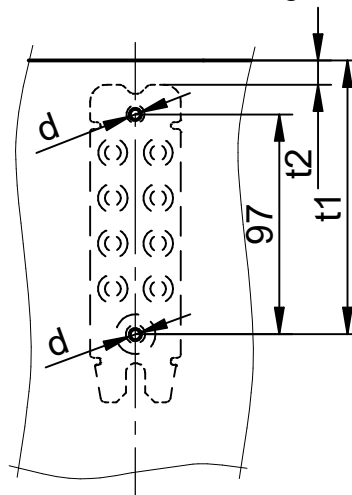
Einzelanschluss
Haupt-Nebenträger Verbindung

Bohrbild im Hauptträger



d...Ø 5mm, 30mm tief vorbohren

Bohrbild im Nebenträger

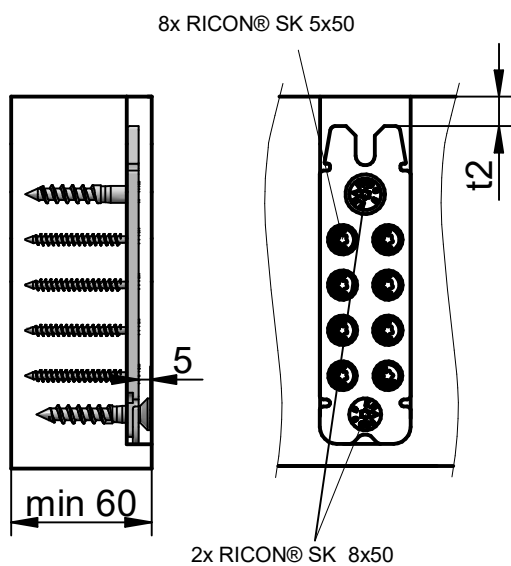


d...Ø 5mm, 30mm tief vorbohren

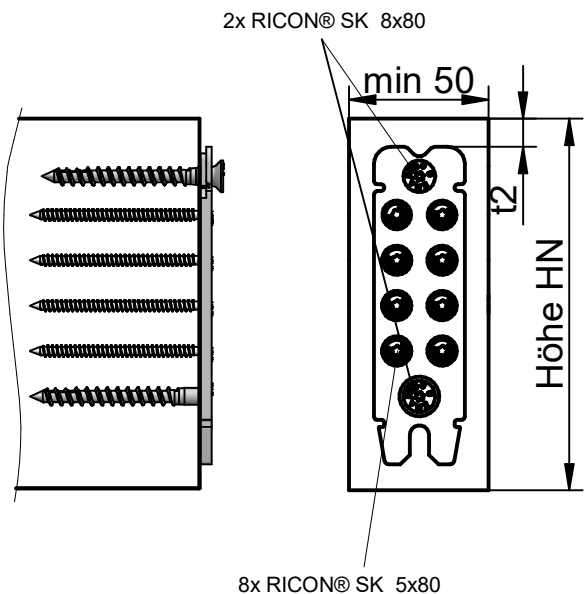
Einbohrmaße t1 und Abstandsmaß t2 in
Abhängigkeit der Nebenträgerhöhe HN

Höhe HN [mm]	Abstand t1 [mm]	Abstand t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

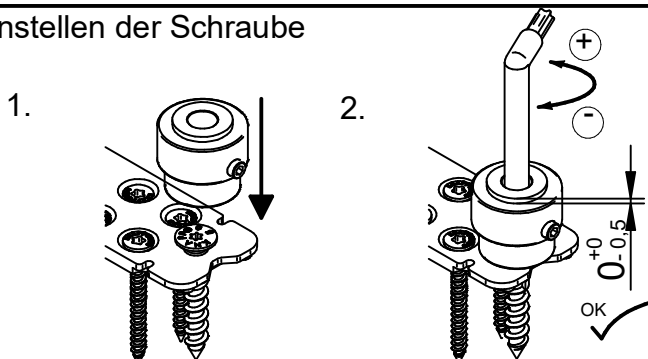
Schraubenbild im Hauptträger



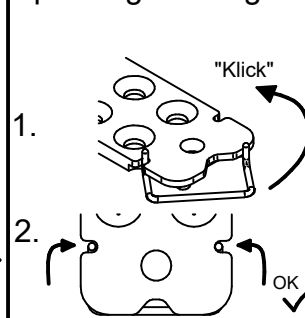
Schraubenbild im Nebenträger



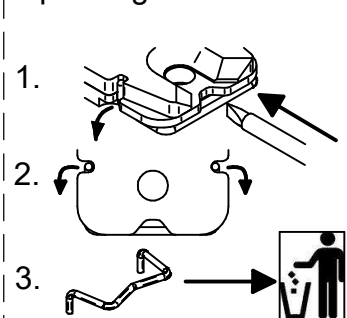
Einstellen der Schraube



Sperrbügel einlegen

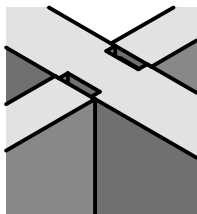


Sperrbügel lösen

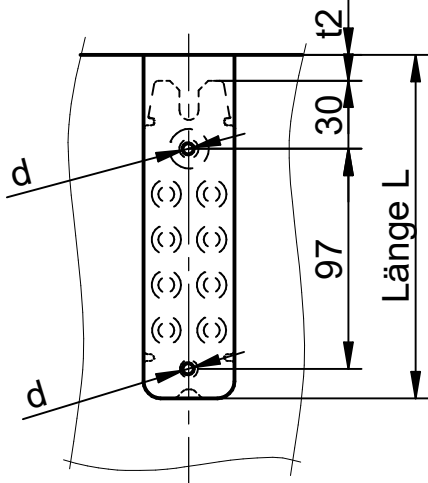


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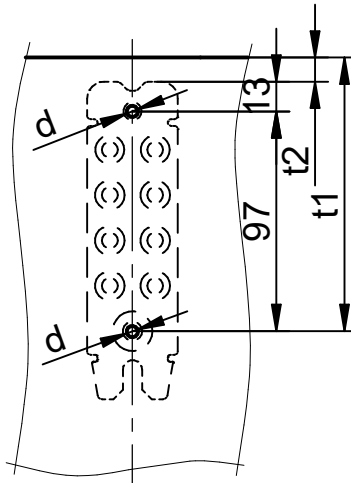


Bohrbild im Hauptträger



d...Ø 10mm, Durchgangsloch

Bohrbild im Nebenträger



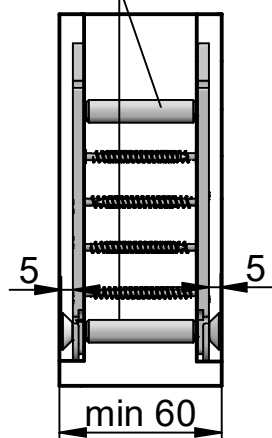
d...Ø 5mm, 30mm tief vorbohren

Einbohrmaße t1 und Abstandsmaß t2 in
Abhängigkeit der Nebenträgerhöhe HN

Höhe HN [mm]	Abstand t1 [mm]	Abstand t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

Schraubenbild im Hauptträger

2x Verbundmutter
M8 x 36, 48, 53, 58, 68, 78



4x RICON® SK 5x50
wechselseitig

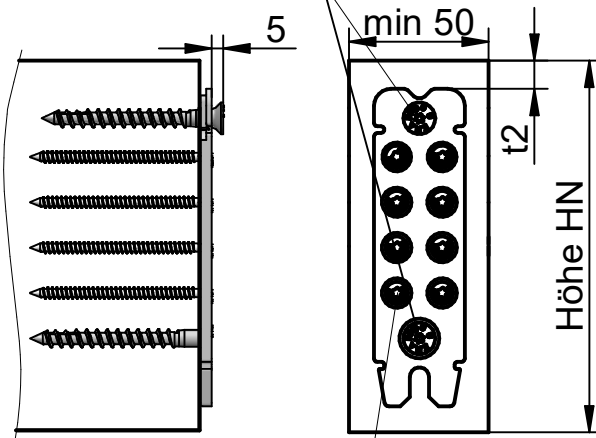
1x RICON® ISK M8x25

1x RICON® ISK M8x25

Hauptträger- stärke [mm]	Verbund- mutterlänge [mm]
60	36
80	53

Schraubenbild im Nebenträger

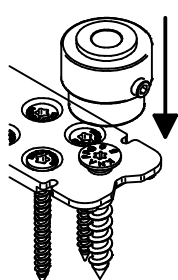
2x RICON® SK 8x80



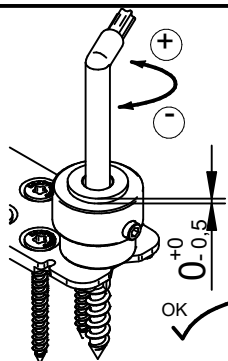
8x RICON® SK 5x80

Einstellen der Schraube

1.

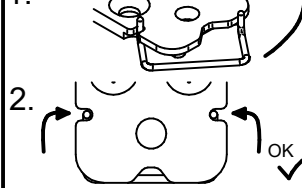


2.



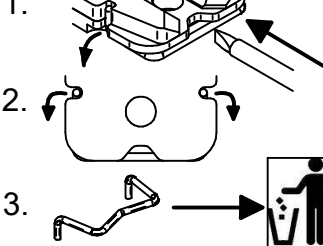
Sperrbügel einlegen

1.

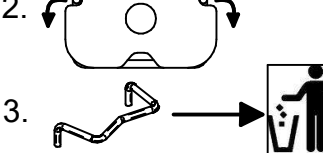


Sperrbügel lösen

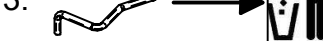
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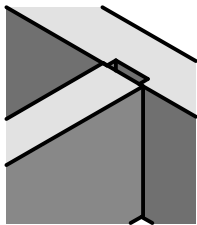


2.



3.



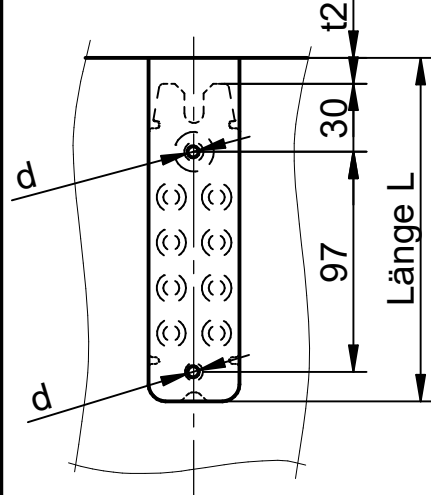


Art. Nr. K265

Montageanleitung RICON® 140/40 EAR

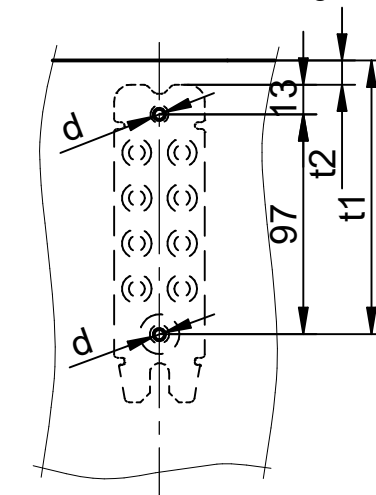
Einzelanschluss mit Einschraubmutter
Haupt-Nebenträger Verbindung

Bohrbild im Hauptträger



d...Ø 12 mm, 20 mm tief vorbohren

Bohrbild im Nebenträger



d...Ø 5mm, 30mm tief vorbohren

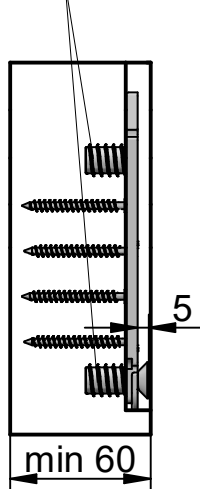
Einbohrmaße t1 und Abstandsmaß t2 in
Abhängigkeit der Nebenträgerhöhe HN

Höhe HN [mm]	Abstand t1 [mm]	Abstand t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

Schraubenbild im Hauptträger

2x Einschraubmutter
M8x18

1x RICON® ISK M8x20

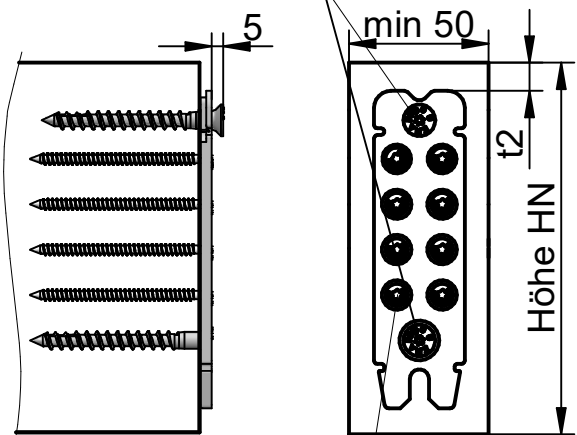


1x RICON® ISK M8x25

4x RICON® SK 5x50
wechselseitig

Schraubenbild im Nebenträger

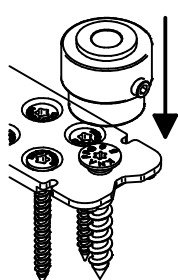
2x RICON® SK 8x80



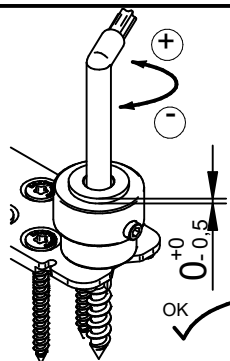
8x RICON® SK 5x80

Einstellen der Schraube

1.



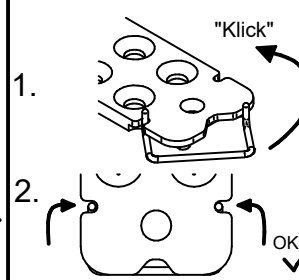
2.



Sperrbügel einlegen

1.

2.

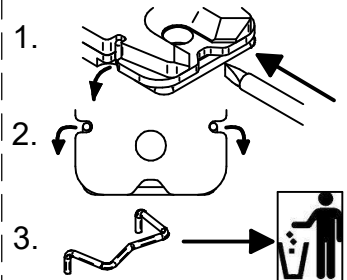


Sperrbügel lösen

1.

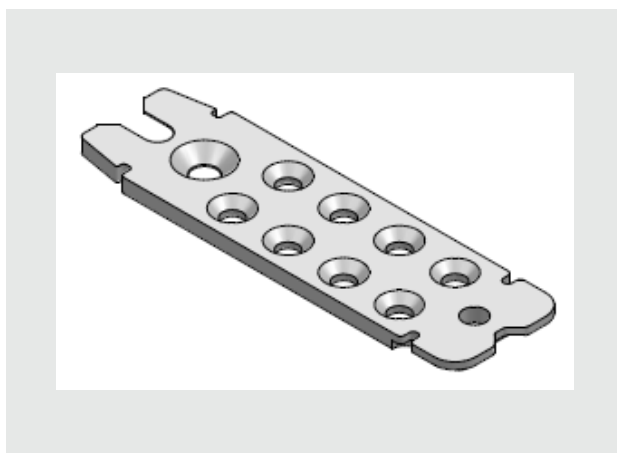
2.

3.





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Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale France ■ 1A Rue du Stade ■ F - 67880 Innenheim Tel. : +33 (0)3 88 48 17 87 ■ Fax: +33 (0)9 70 62 81 87 ■ E-Mail : france@knapp-connectors.com



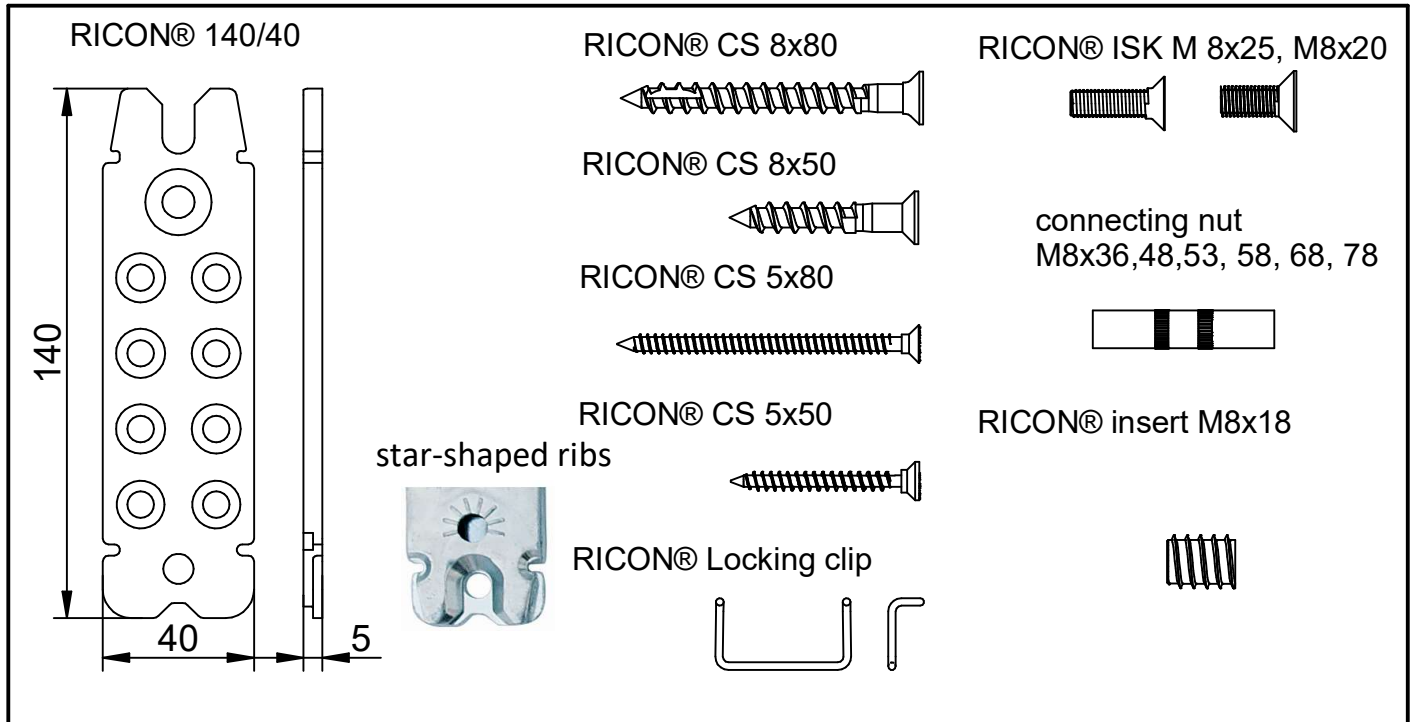
Art.-No.

Construction Manual

RICON® 140/40



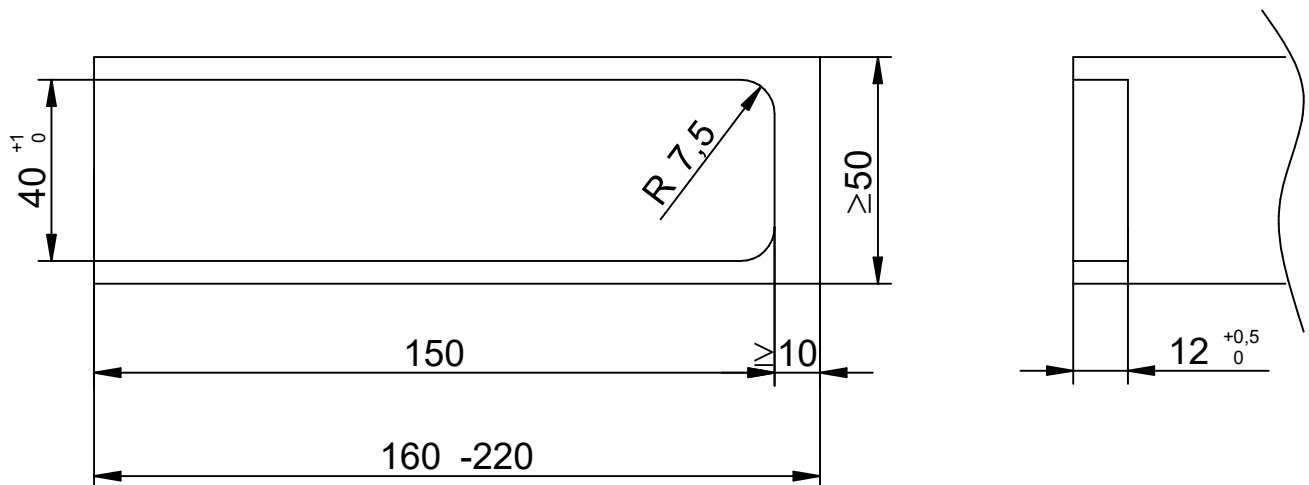
post and beam connection
with ETA (European Technical Assessment) CE marking

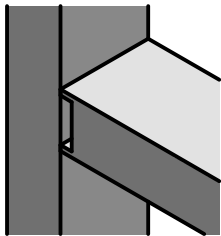


single and double connection

Post and Beam connection

Milling pattern Beam



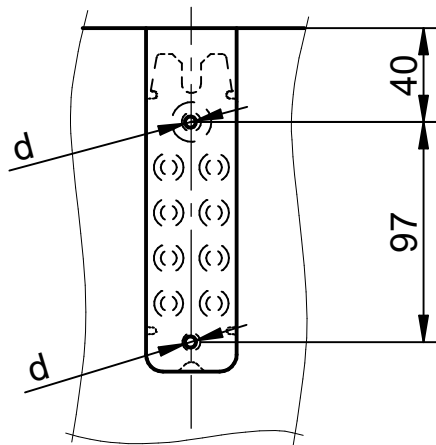


RICON® 140/40 EA

Art. No. K365

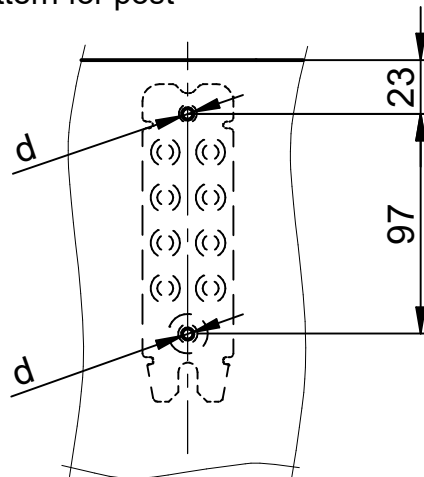
single connection
post and beam

drilling pattern for beam



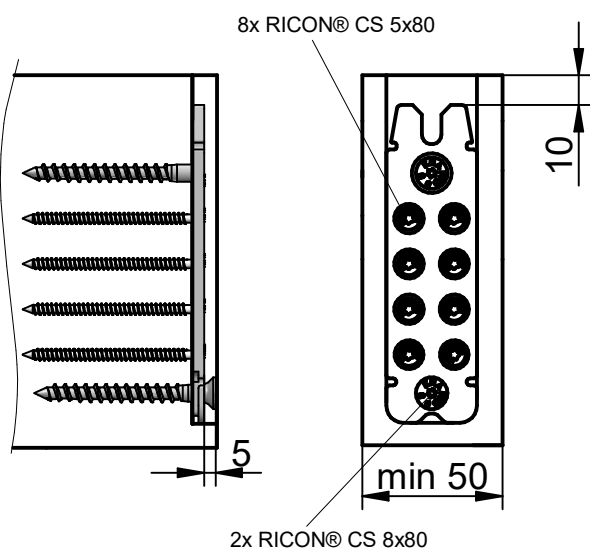
d...Ø 5mm, 30mm pre-drilling

drilling pattern for post

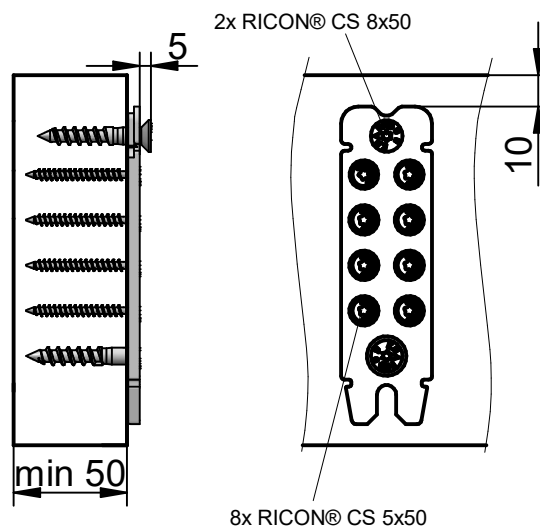


d...Ø 5mm, 30mm pre-drilling

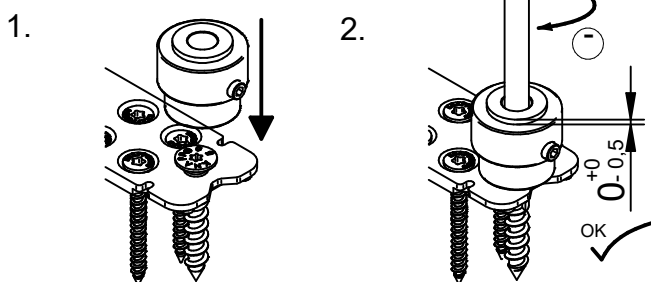
screw pattern for beam



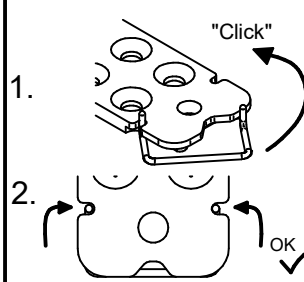
screw pattern for post



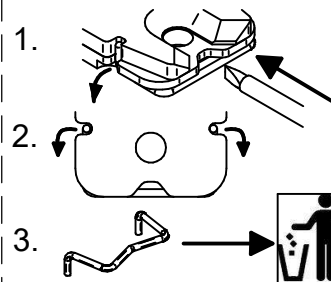
Adjusting the screw

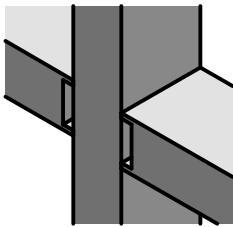


Locking clip assembly



Locking clip removal



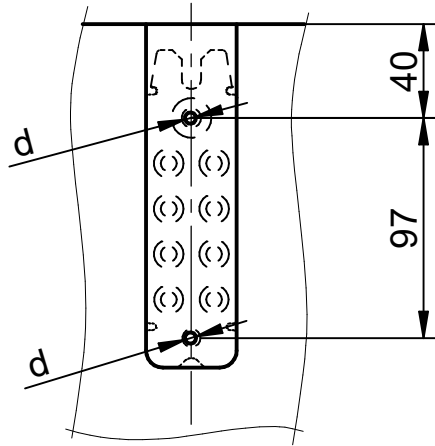


RICON® 140/40 DA

Art. No. K165/48;
K165/58; K165/78

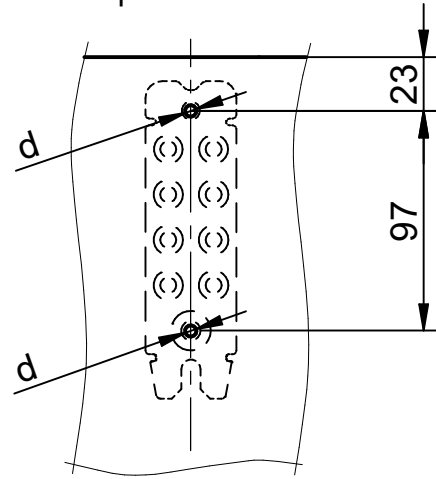
Doubel connection
post and beam

drilling pattern for beam



d...Ø 5mm, 30mm pre-drilling

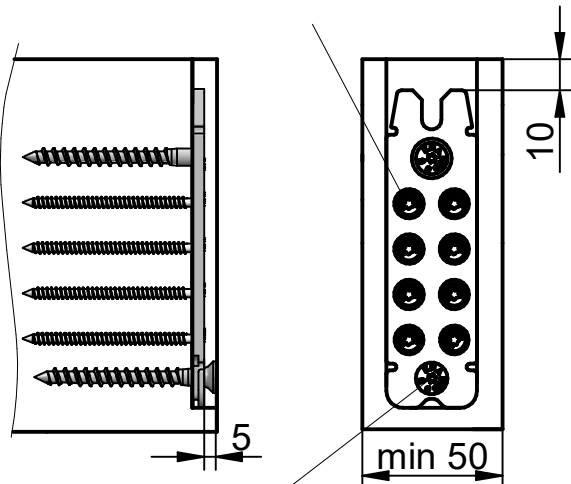
drilling pattern for post



d...Ø 10mm, through hole

screw pattern for beam

8x RICON® CS 5x80

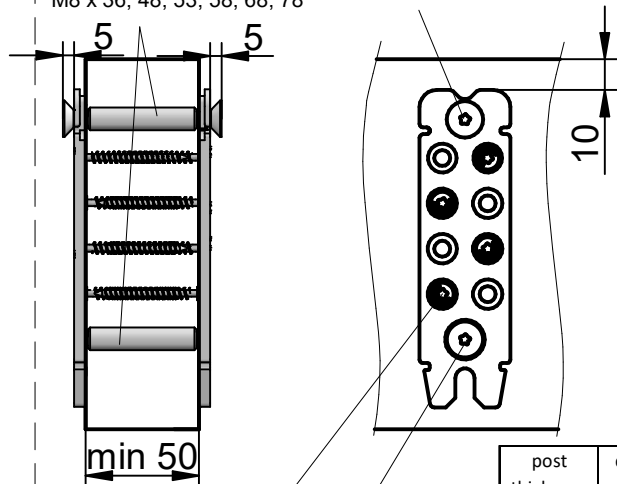


2x RICON® CS 8x80

screw pattern for post

2x connecting nut
M8 x 36, 48, 53, 58, 68, 78

1x RICON® ISK M8x25



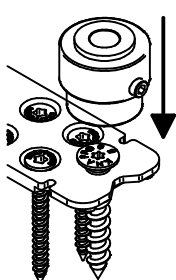
4x RICON® CS 5x50
reciprocally

1x RICON® ISK M8x25

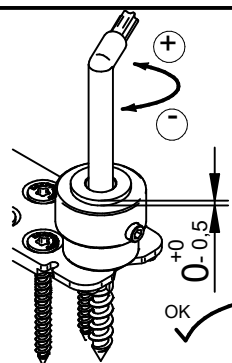
post thickness [mm]	connecting nut length [mm]
50	48
56	53
60	58
80	78

Adjusting the screw

1.



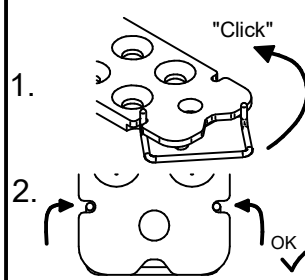
2.



Locking clip assembly

1.

2.

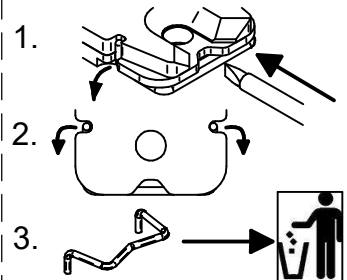


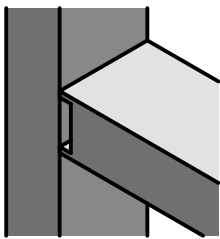
Locking clip removal

1.

2.

3.





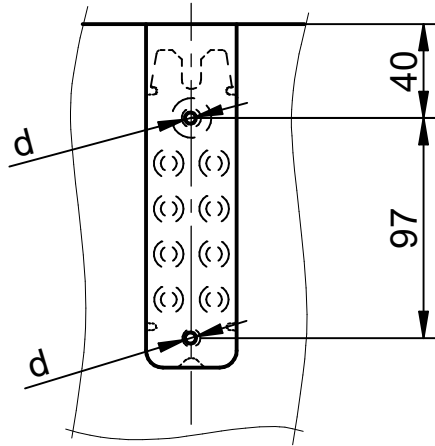
Construction Manual

RICON® 140/40 EAR

single connection with insert screw
post and beam connection

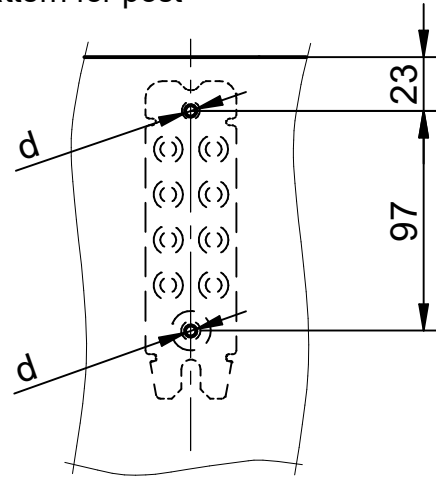
Art. No. K265

drilling pattern for beam



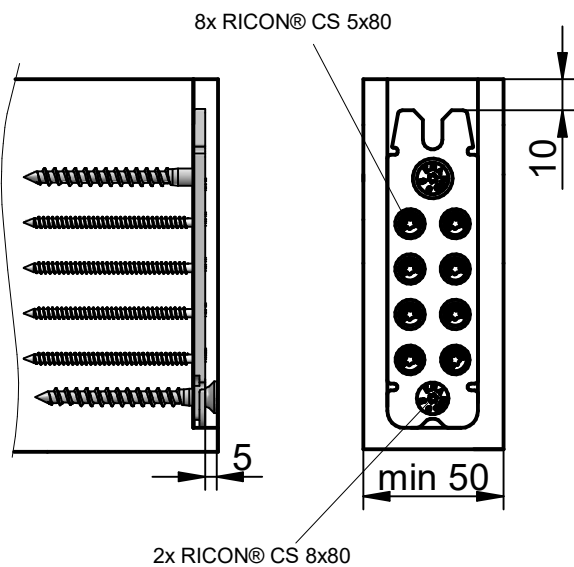
d...Ø 5mm, 30mm pre-drilling

drilling pattern for post

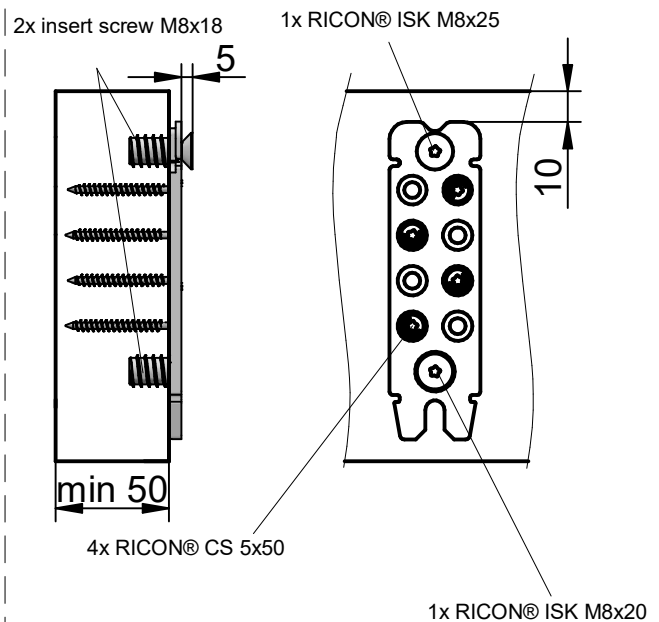


d...Ø 12 mm, 20mm pre-drilling

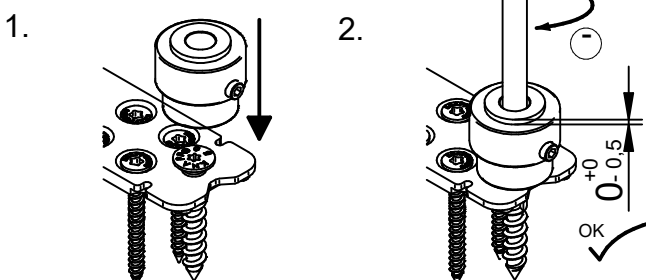
screw pattern for beam



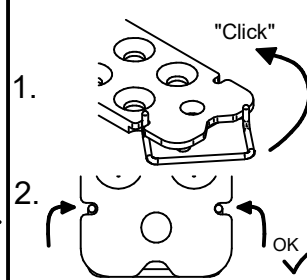
screw pattern for post



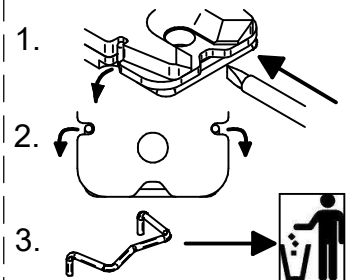
Adjusting the screw



Locking clip assembly



Locking clip removal



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Construction Manual

RICON® 140/40



main beam secondary beam connection
with ETA (European Technical Assessment) CE marking

RICON® 140/40

RICON® CS 8x80

RICON® CS 8x50

RICON® CS 5x80

RICON® CS 5x50

RICON® Locking clip

RICON® ISK M 8x25, M8x20

connecting nut
M8x36,48,53, 58, 68, 78

RICON® insert M8x18

star-shaped ribs

single and double connection

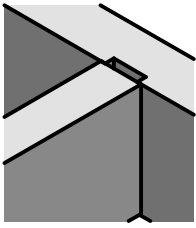
main beam,secondary beam connection

Milling pattern main beam

Milling length L form the main beam depending on the beam

Height HN [mm]	Length L [mm]
160	150
180	160
200	170
220	180
240	200
260	210

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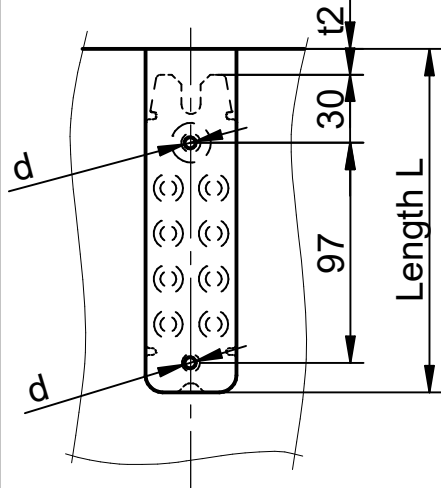
Construction Manual

RICON® 140/40 EA

Art. No. K365

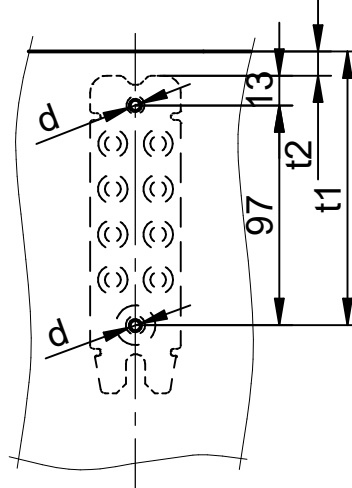
single connection
main beam, secondary beam connection

drilling pattern for main beam



d...Ø 5mm, 30mm pre-drilling

drilling pattern for secondary beam

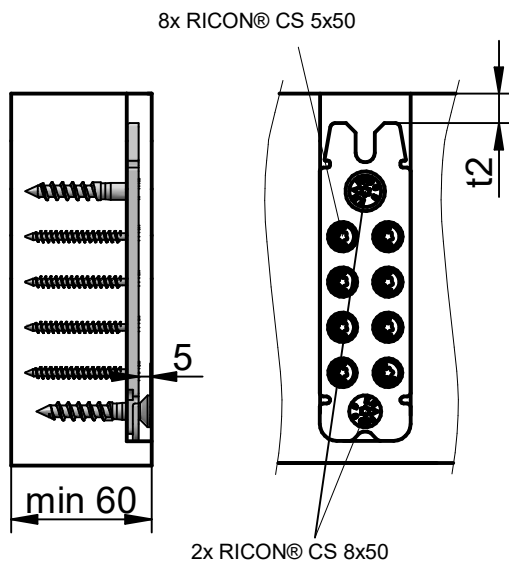


d...Ø 5mm, 30mm pre-drilling

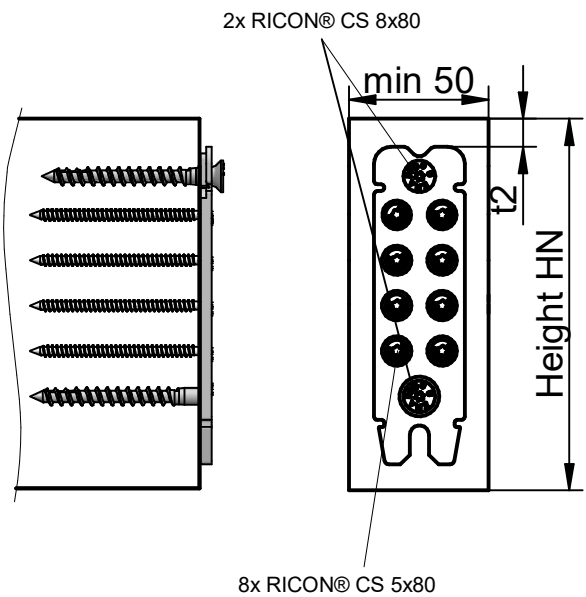
Drilling dimensions t1 and distance t2 depending on the secondary beam height HN

Height HN [mm]	Distance t1 [mm]	Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

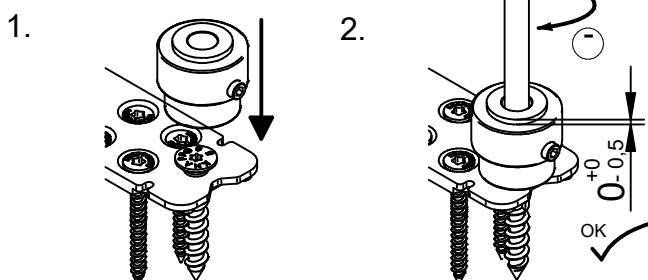
screw pattern for main beam



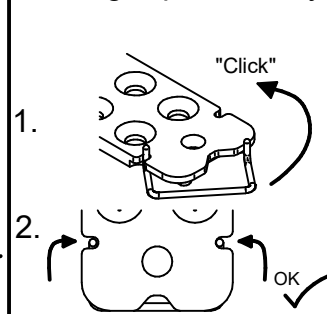
screw pattern for secondary beam



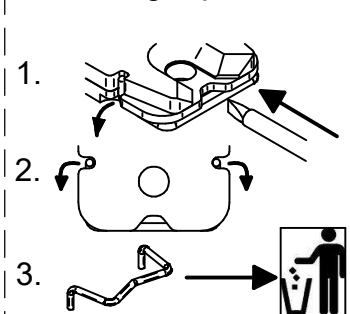
Adjusting the screw



Locking clip assembly

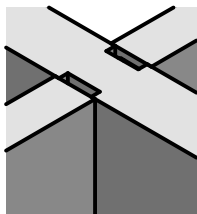


Locking clip removal



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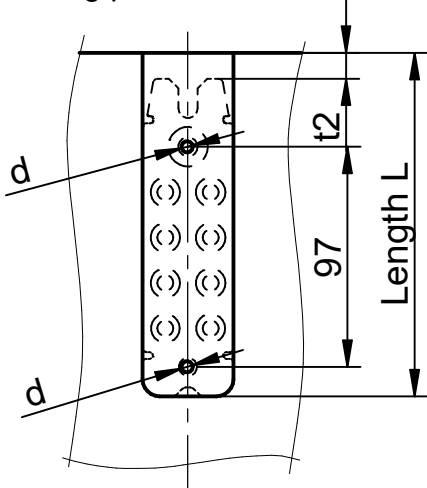


RICON® 140/40 DA

Art. No. K165/48; K165/58;
K165/78

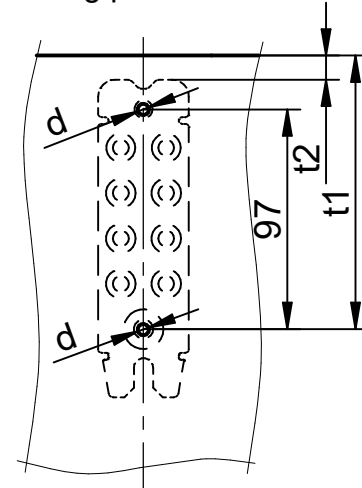
double connection
main beam, secondary beam connection

drilling pattern for main beam



d...Ø 10mm, through hole

drilling pattern for secondary beam



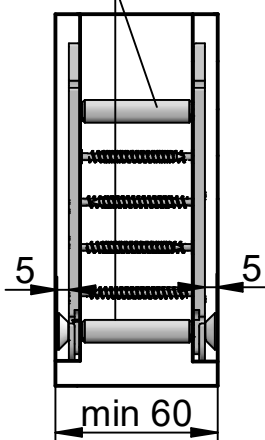
d...Ø 5mm, 30mm pre-drilling

Drilling dimensions t1 and distance t2 depending on the secondary beam height HN

Height HN [mm]	Distance t1 [mm]	Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

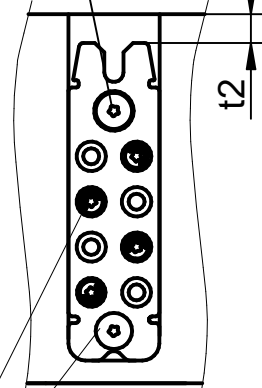
screw pattern for main beam

2x connecting nut
M8 x 36, 48, 53, 58, 68, 78



1x RICON® ISK M8x25

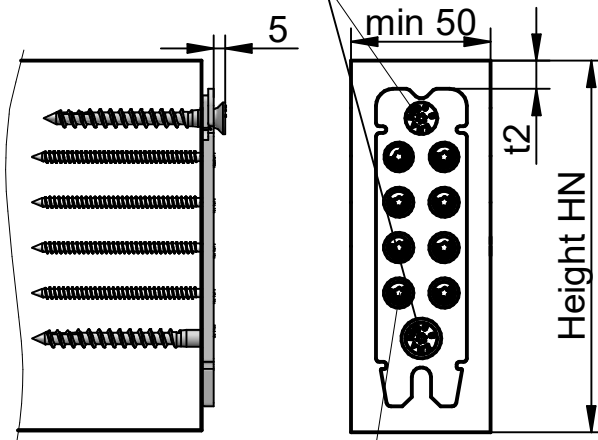
1x RICON® ISK M8x25



main beam thickness [mm]	connecting nut length [mm]
60	36
80	53

screw pattern for secondary beam

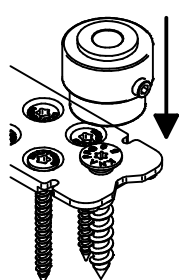
2x RICON® CS 8x80



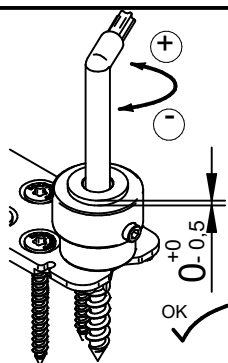
8x RICON® CS 5x80

Adjusting the screw

1.

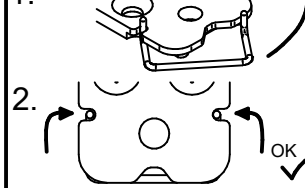


2.



Locking clip assembly

1.



2.

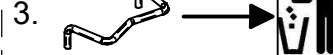


Locking clip removal

1.

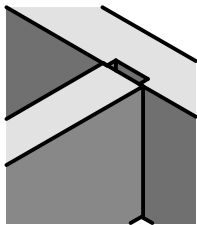


2.



3.



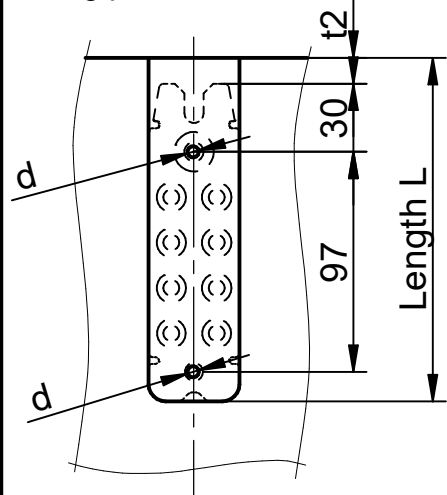


RICON® 140/40 EAR

Art. No. K265

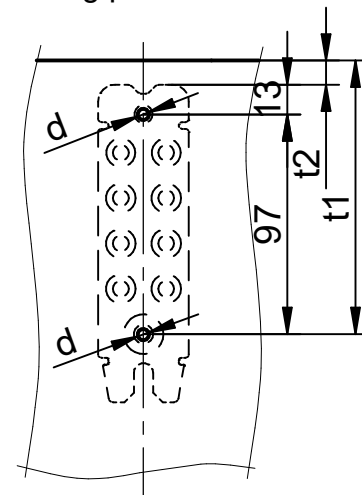
single connection with insert screw
main beam, secondary beam connection

drilling pattern for main beam



d...Ø 12 mm, 20 mm pre-drilling

drilling pattern for secondary beam



d...Ø 5mm, 30mm pre-drilling

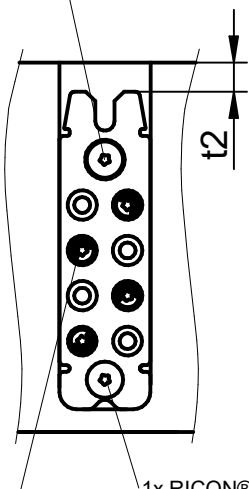
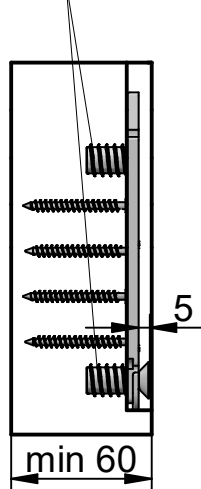
Drilling dimensions t1 and distance t2 depending on the secondary beam height HN

Höhe / Height HN [mm]	Abstand/ Distance t1 [mm]	Abstand/ Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

screw pattern for main beam

2x insert screw M8x18

1x RICON® ISK M8x20

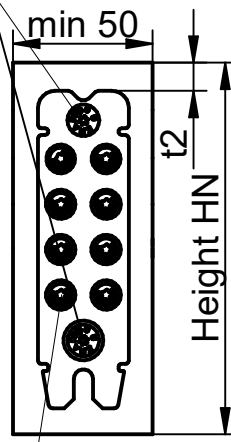
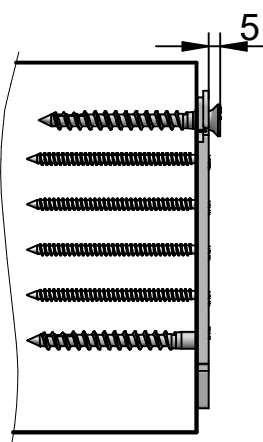


1x RICON® ISK M8x25

4x RICON® CS 5x50 reciprocally

screw pattern for secondary beam

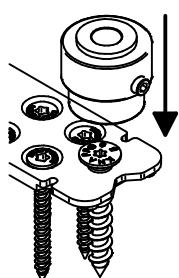
2x RICON® CS 8x80



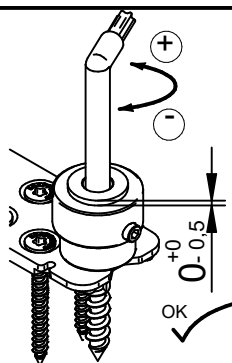
8x RICON® CS 5x80

Adjusting the screw

1.

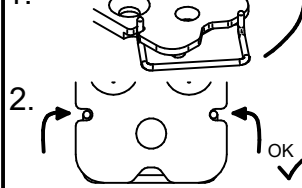


2.



Locking clip assembly

1.



2.

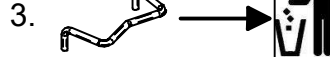


Locking clip removal

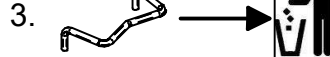
1.



2.

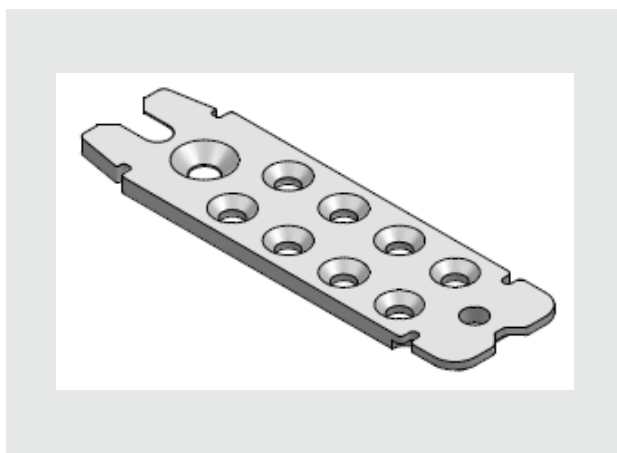


3.





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Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale France ■ 1A Rue du Stade ■ F - 67880 Innenheim Tel. : +33 (0)3 88 48 17 87 ■ Fax: +33 (0)9 70 62 81 87 ■ E-Mail : france@knapp-connectors.com



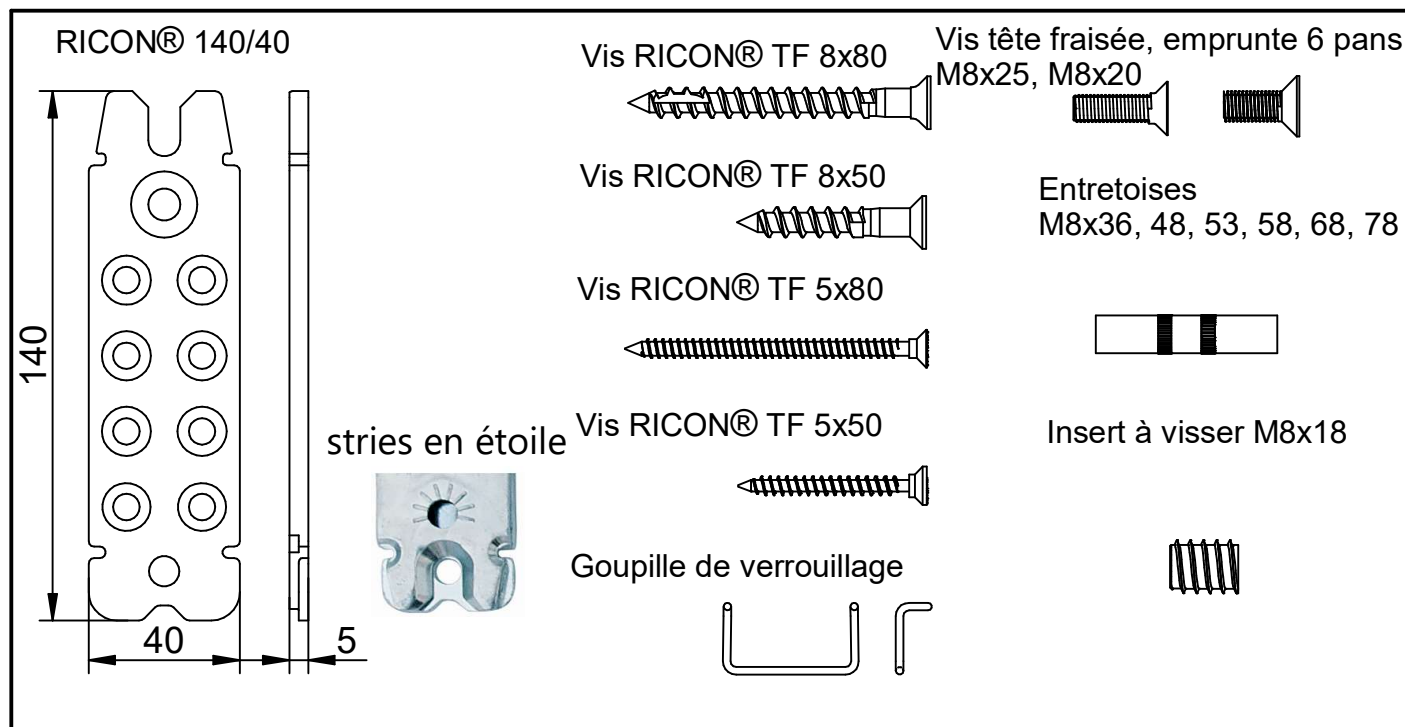
Réf.

Notice de montage

RICON® 140/40



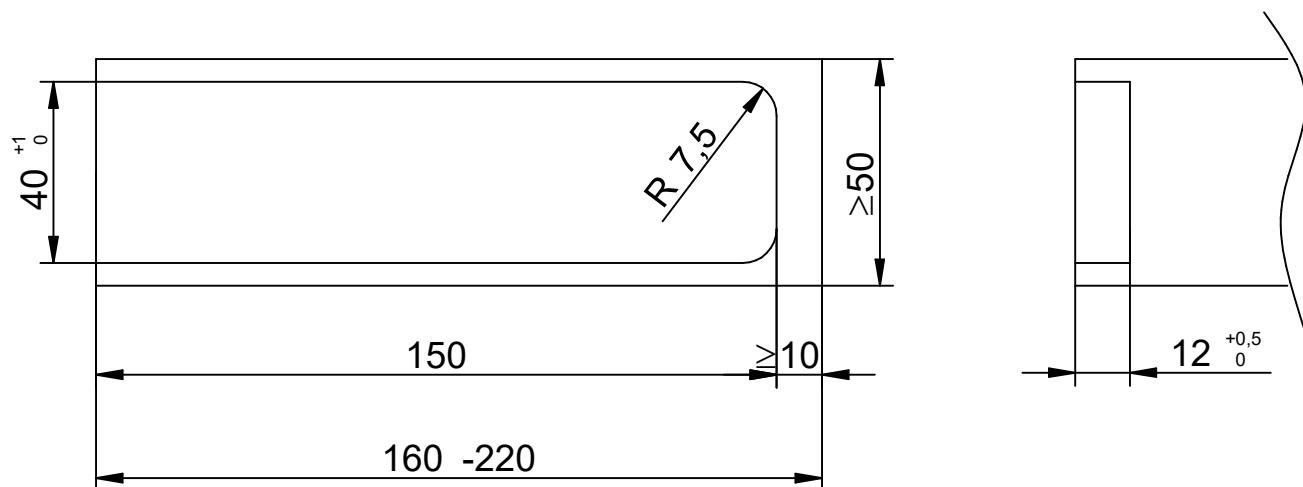
Assemblage poteau - traverse
avec Évaluation Technique Européenne (ETE)

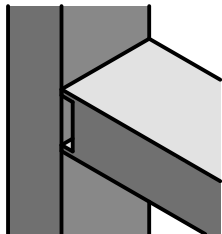


Assemblage simple et doublé

Assemblage poteau - traverse

Détails du fraisage traverse





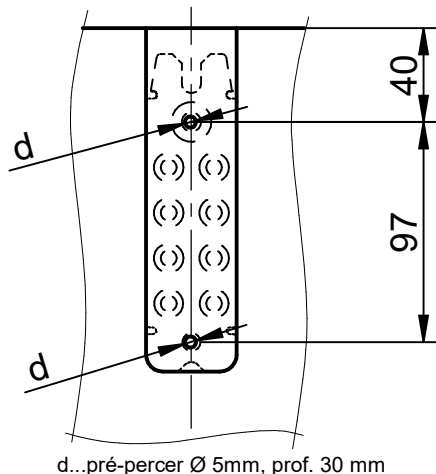
Réf. K365

Notice de montage

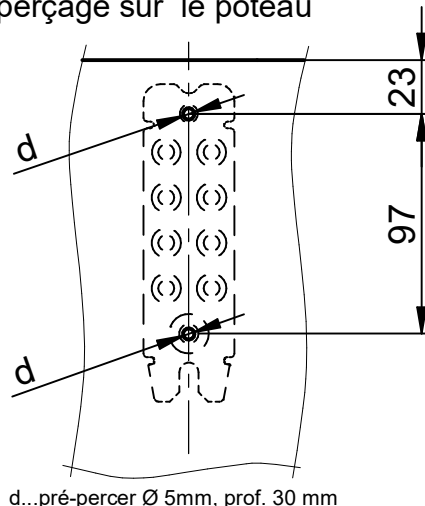
RICON® 140/40 EA

Assemblage simple
Assemblage poteau - traverse

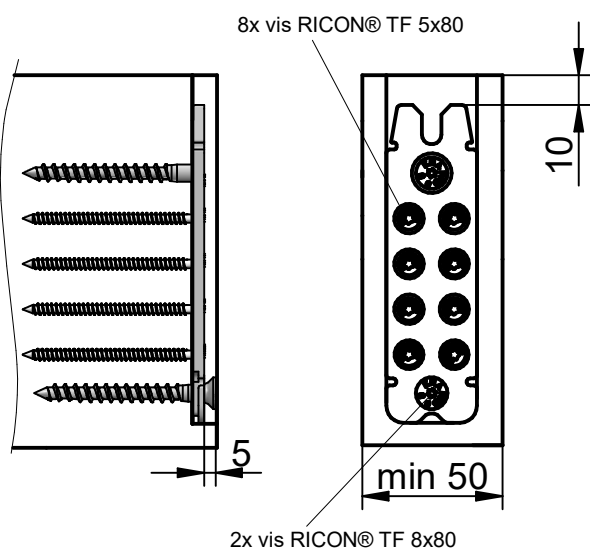
Détail du perçage sur la traverse



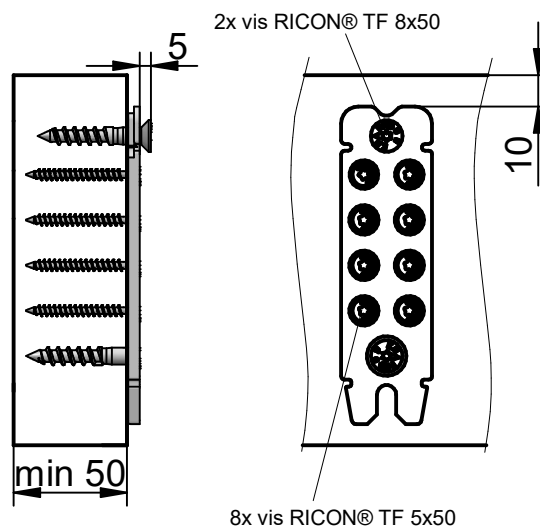
Détail du perçage sur le poteau



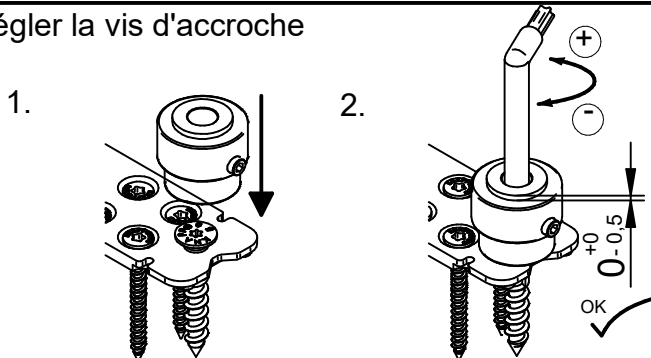
Détail du vissage sur la traverse



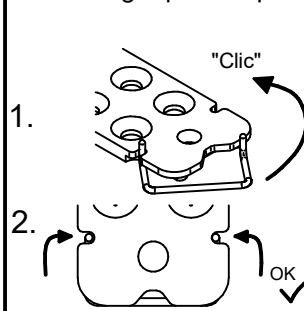
Détail du vissage sur le poteau



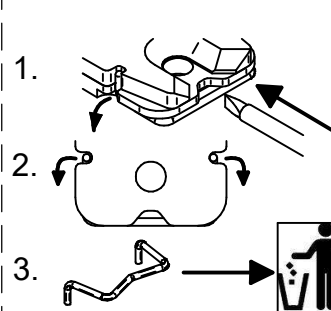
Régler la vis d'accroche



Mettre la goupille en place

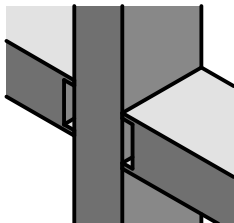


Déverrouiller la goupille



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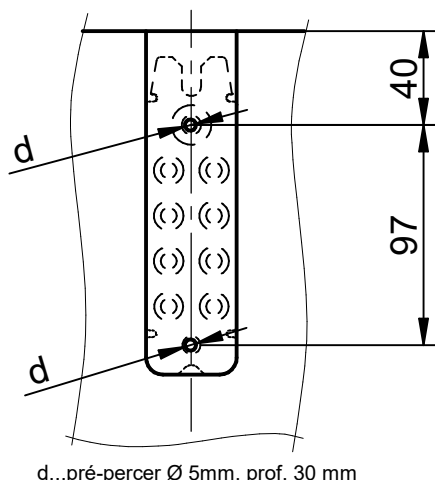


RICON® 140/40 DA

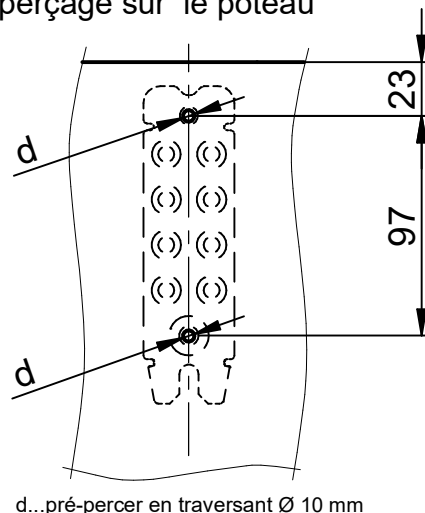
Réf. K165/48; K165/58;
K165/78

Assemblage doublé
Assemblage poteau - traverse

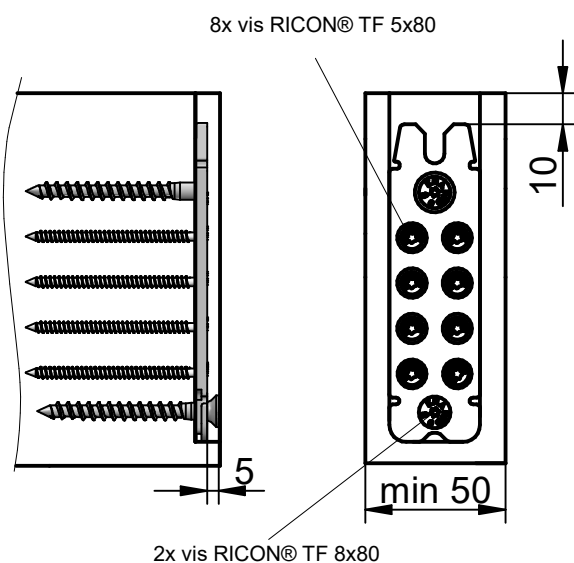
Détail du perçage sur la traverse



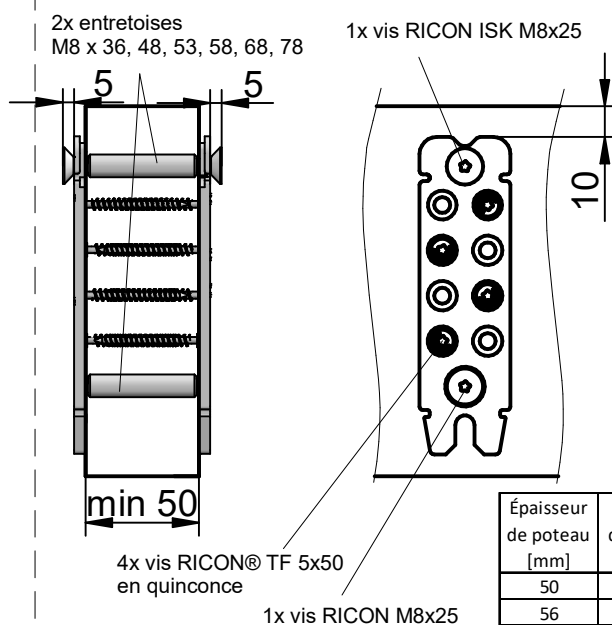
Détail du perçage sur le poteau



Détail du vissage sur la traverse

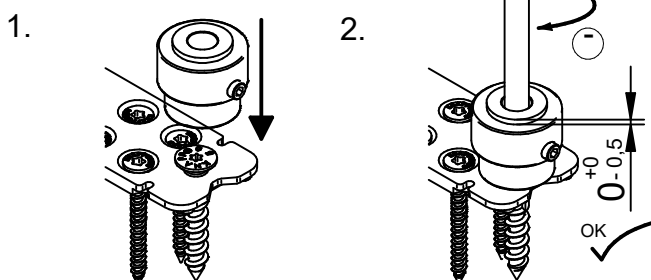


Détail du vissage sur le poteau

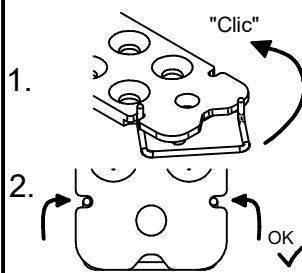


Épaisseur de poteau [mm]	Longueur d'entretoise [mm]
50	48
56	53
60	58
80	78

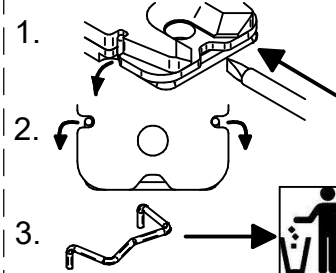
Régler la vis d'accroche

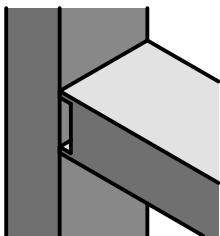


Mettre la goupille en place



Déverrouiller la goupille



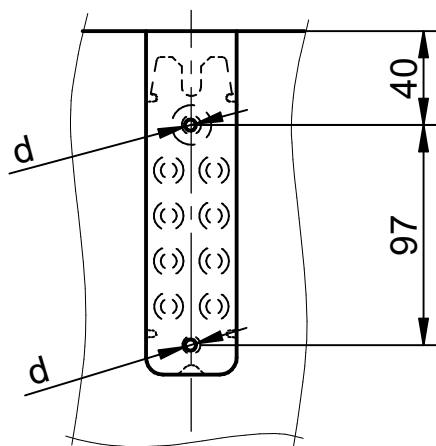


RICON® 140/40 EAR

Assemblage simple simple avec insert
Assemblage poteau - traverse

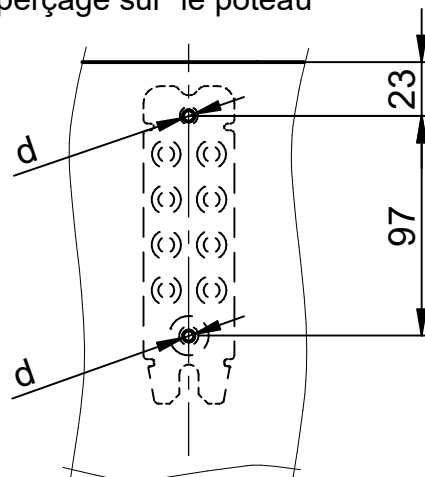
Réf. K265

Détail du perçage sur la traverse



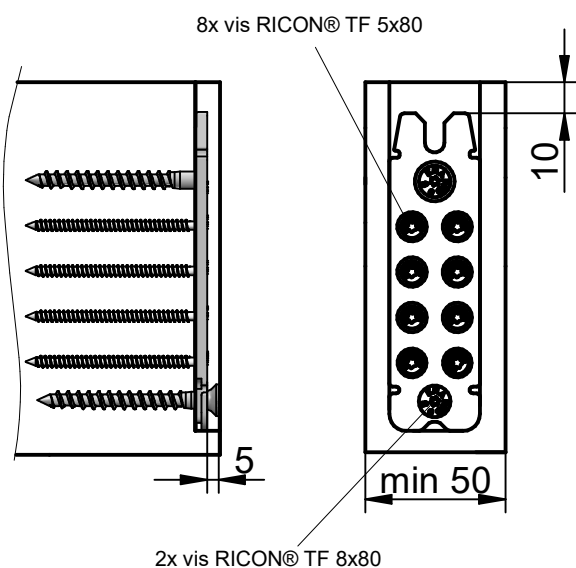
d...pré-percer Ø 5mm, prof. 30 mm

Détail du perçage sur le poteau

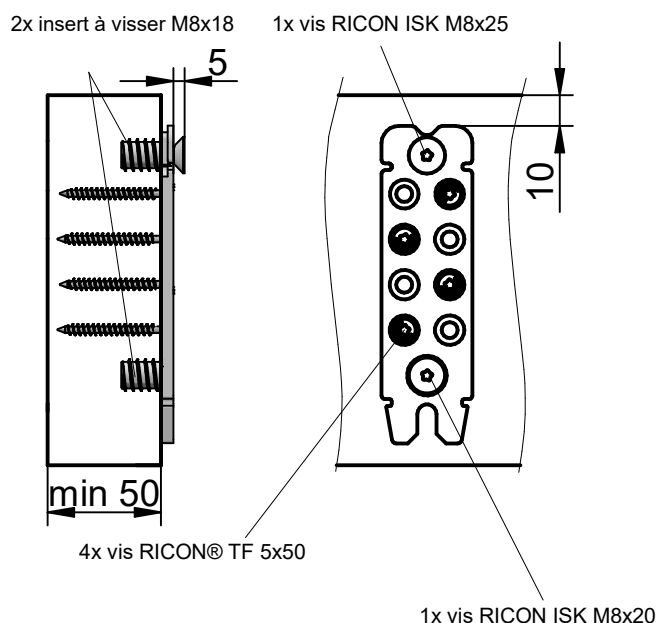


d...pré-percer Ø 12mm, prof. 20 mm

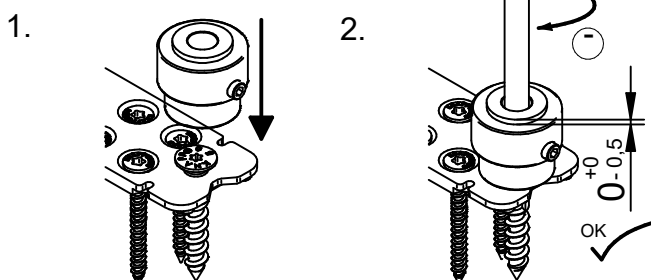
Détail du vissage sur la traverse



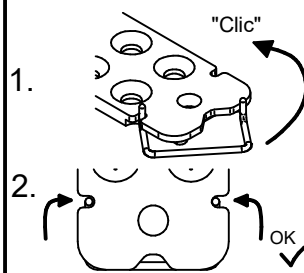
Détail du vissage sur le poteau



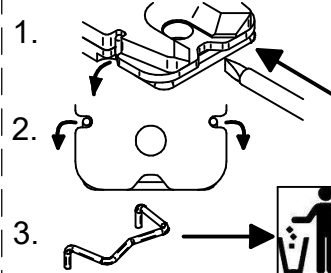
Régler la vis d'accroche



Mettre la goupille en place



Déverrouiller la goupille

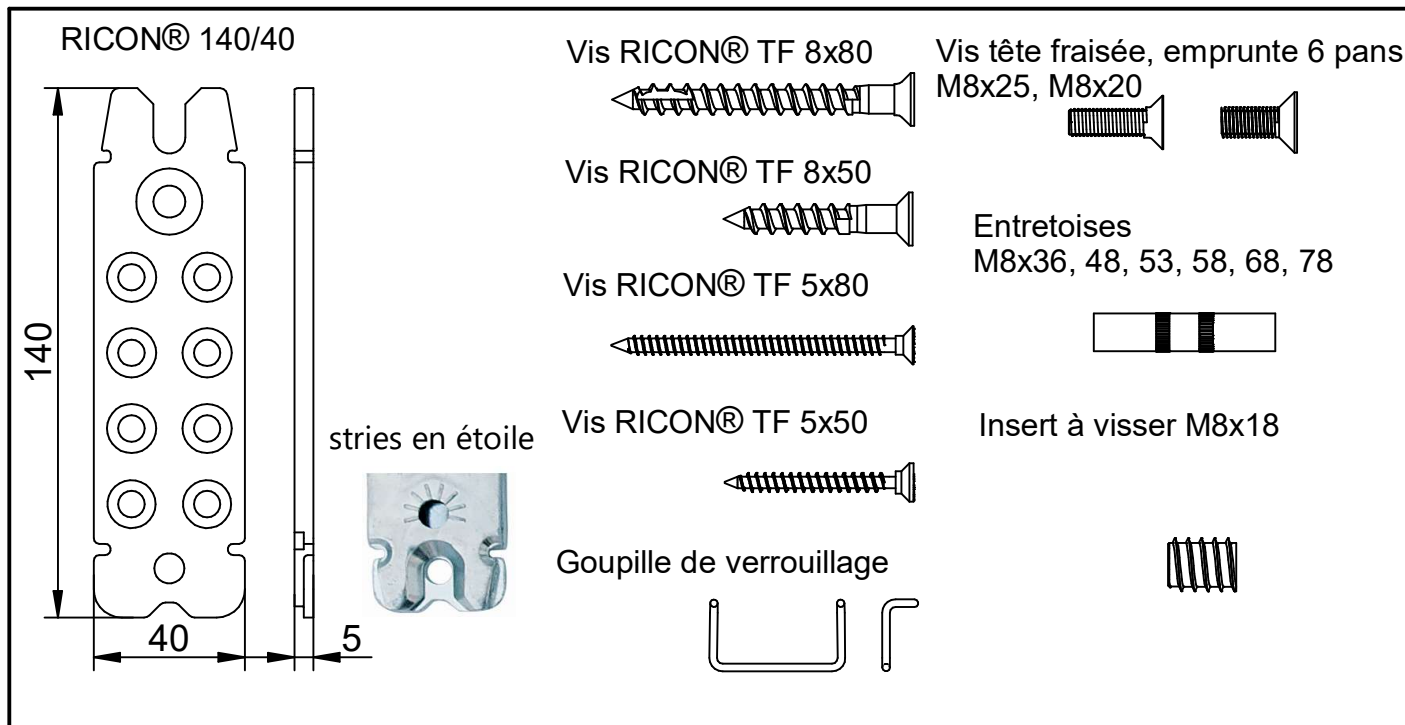


Notice de montage

RICON® 140/40



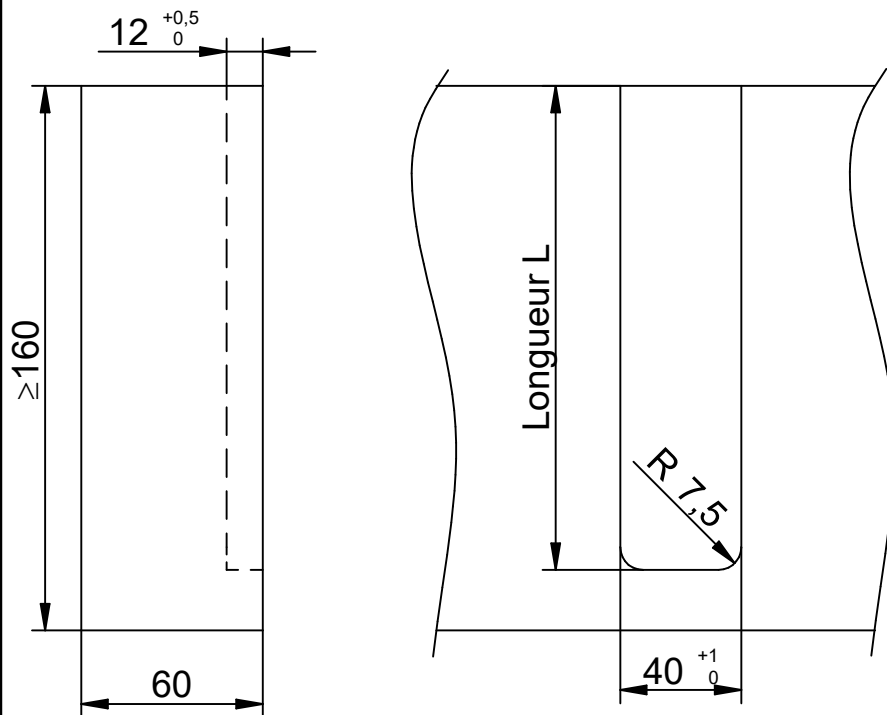
Assemblage de poutre secondaire sur principale
avec Évaluation Technique Européenne (ETE)



Assemblage simple et doublé

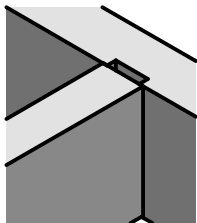
Poutre secondaire sur principale

Détails du fraisage poutre principale



Long. de fraisage L sur poutre principale, en relation avec la hauteur de la poutre secondaire HN :

Hauteur [mm]	Longueur L [mm]
160	150
180	160
200	170
220	180
240	200
260	210

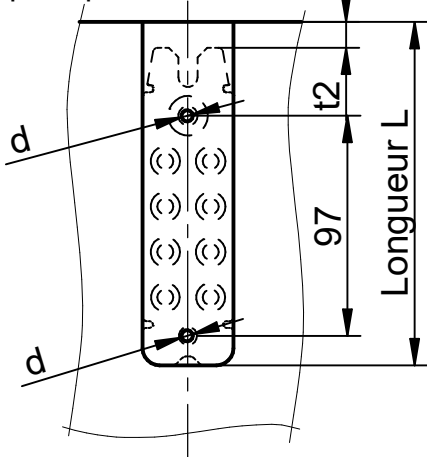


Notice de montage RICON® 140/40 EA

Réf. K365

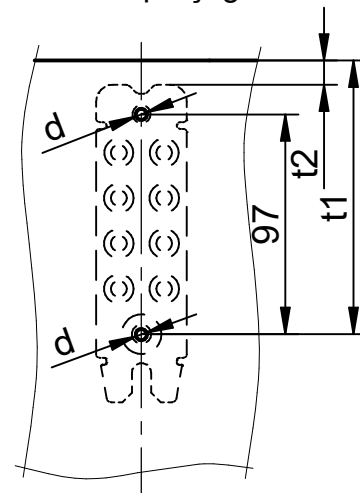
Assemblage simple
Poutre secondaire sur principale

Détail du perçage sur la poutre principale



d...pré-percer Ø 5mm, prof. 30 mm

Détail du perçage sur la poutre secondaire

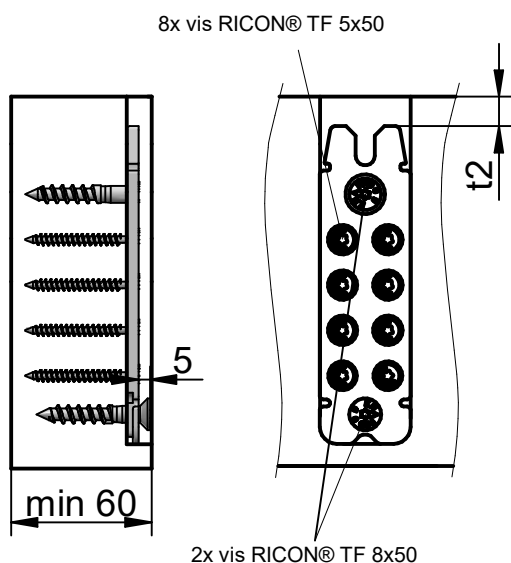


d...pré-percer Ø 5mm, prof. 30 mm

Distance de perçage t1 et t2, en relation avec la hauteur de la pièce secondaire HN

Hauteur HN [mm]	Distance t1 [mm]	Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

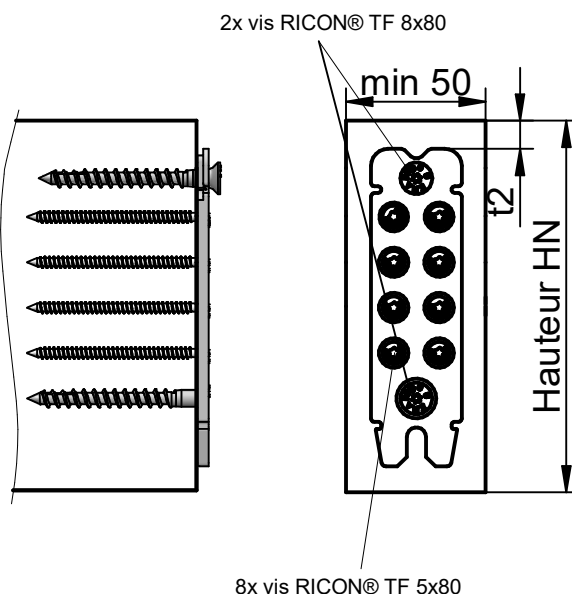
Détail du vissage sur la poutre principale



8x vis RICON® TF 5x50

2x vis RICON® TF 8x50

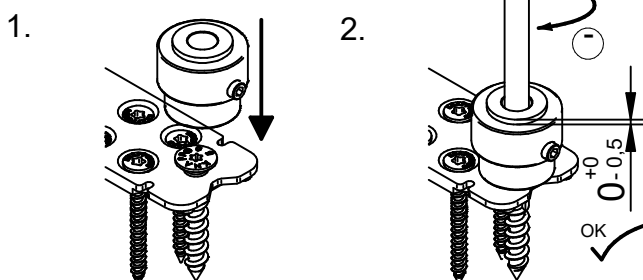
Détail du vissage sur la poutre secondaire



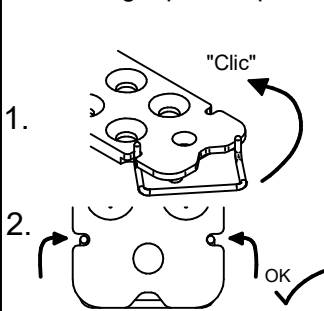
2x vis RICON® TF 8x80

8x vis RICON® TF 5x80

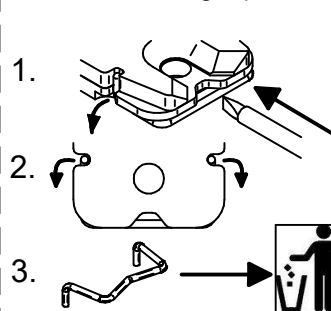
Régler la vis d'accroche

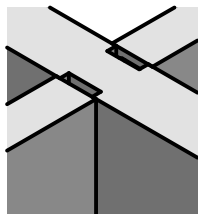


Mettre la goupille en place



Déverrouiller la goupille



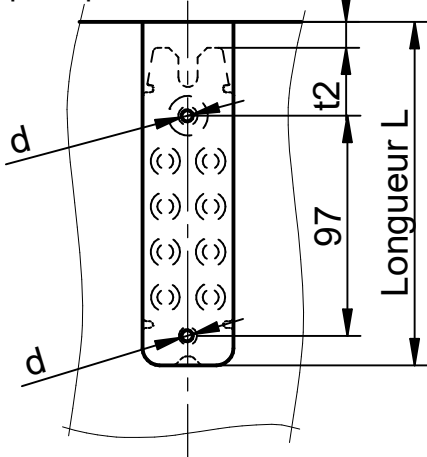


RICON® 140/40 DA

Réf. K165/48; K165/58;
K165/78

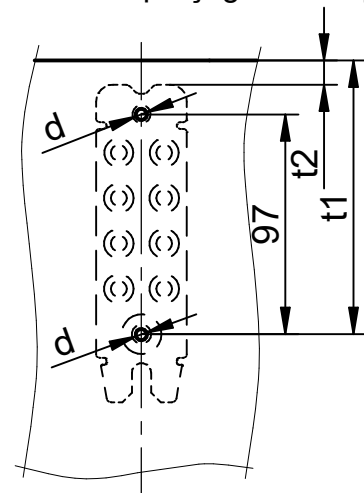
Assemblage doublé
Poutre secondaire sur principale

Détail du perçage sur la poutre principale



d...pré-percer en traversant Ø 10 mm

Détail du perçage sur la poutre secondaire



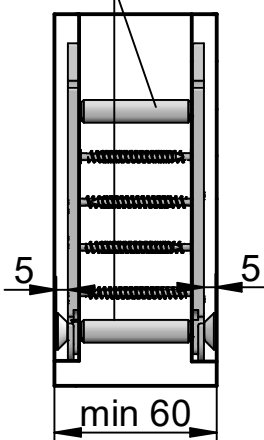
d...pré-percer Ø 5mm, prof. 30mm

Distance de perçage t1 et t2, en relation avec la hauteur de la pièce secondaire HN

Hauteur HN [mm]	Distance t1 [mm]	Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

Détail du vissage sur la poutre principale

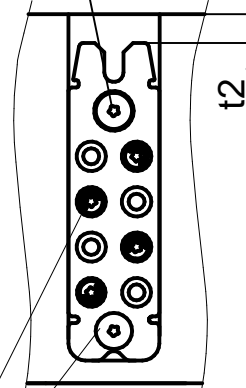
2x entretoises
M8 x 36, 48, 53, 58, 68, 78



4x vis RICON® TF 5x50
en quinconce

1x vis RICON ISK M8x25

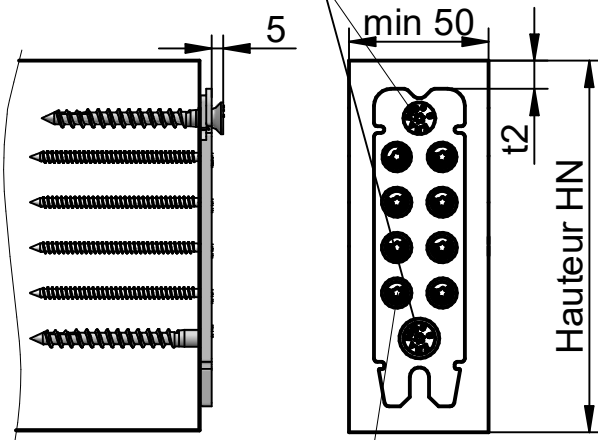
1x vis RICON ISK M8x25



Ép. poutre principale [mm]	Longueur d'entretoise [mm]
60	36
80	53

Détail du vissage sur la poutre secondaire

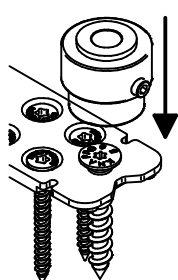
2x vis RICON® TF 8x80



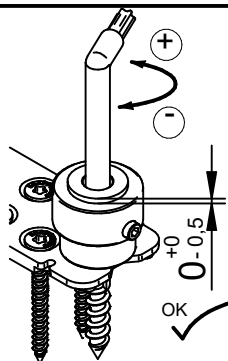
8x vis RICON® TF 5x80

Régler la vis d'accroche

1.

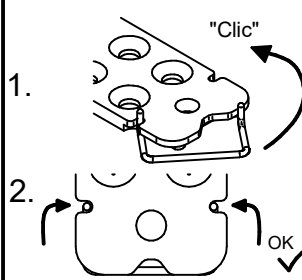


2.

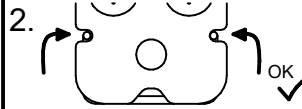


Mettre la goupille en place

1.

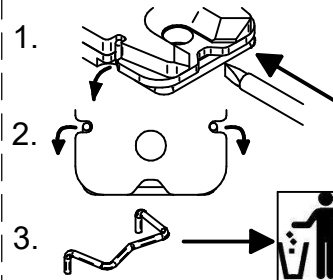


2.

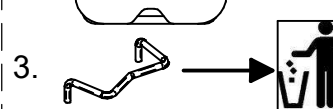


Déverrouiller la goupille

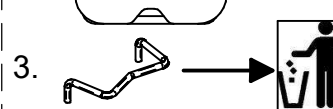
1.

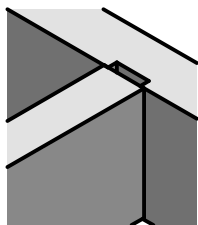


2.



3.



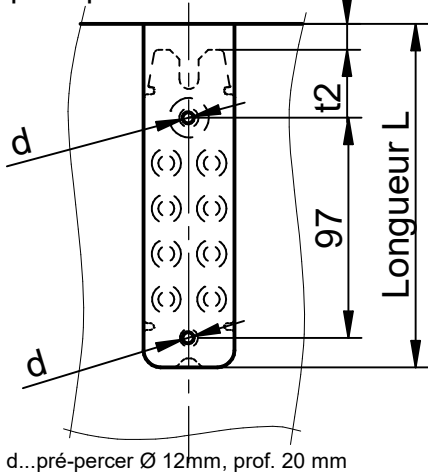


RICON® 140/40 EAR

Réf. K265

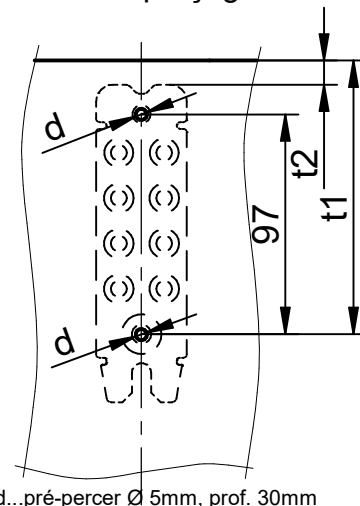
Assemblage simple avec insert
Poutre secondaire sur principale

Détail du perçage sur la poutre principale



d...pré-percer Ø 12mm, prof. 20 mm

Détail du perçage sur la poutre secondaire



d...pré-percer Ø 5mm, prof. 30mm

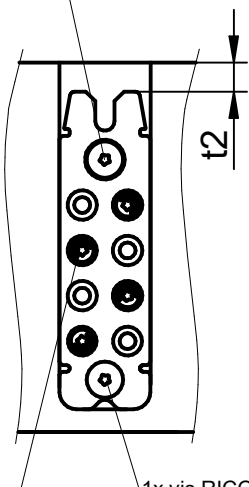
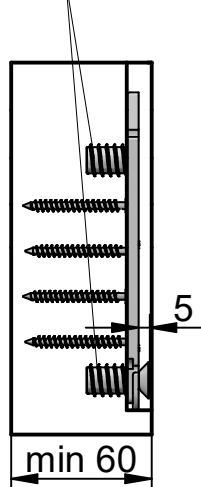
Distance de perçage t1 et t2, en relation avec la hauteur de la pièce secondaire HN

Hauteur HN [mm]	Distance t1 [mm]	Distance t2 [mm]
160	120	10
180	130	20
200	140	30
220	150	40
240	170	60
260	180	70

Détail du vissage sur la poutre principale

2x entretoises M8x18

1x vis RICON ISK M8x20

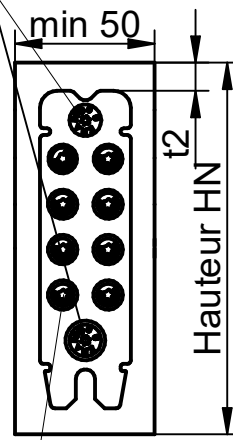
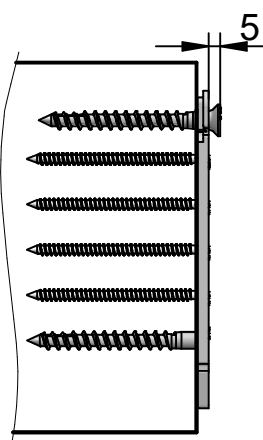


1x vis RICON ISK M8x25

4x vis RICON® TF 5x50 en quinconce

Détail du vissage sur la poutre secondaire

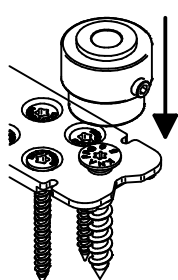
2x vis RICON® TF 8x80



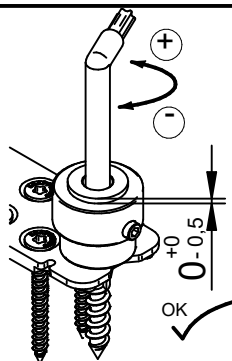
8x vis RICON® TF 5x80

Régler la vis d'accroche

1.

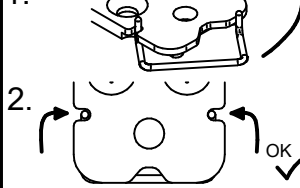


2.



Mettre la goupille en place

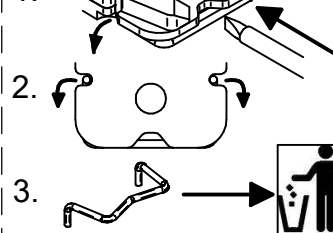
1.



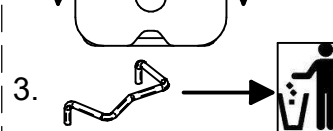
2.

Déverrouiller la goupille

1.



2.



3.



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