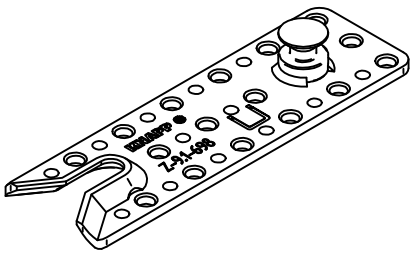


Art.-Nr. K127

Montageanleitung

RICON® S 200/60 VS

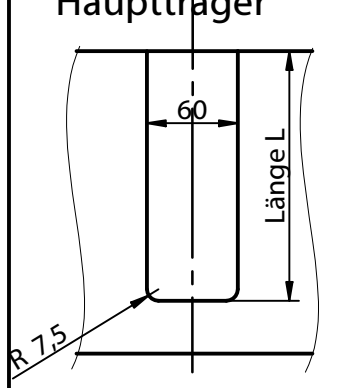
Verschweißter Kragenbolzen

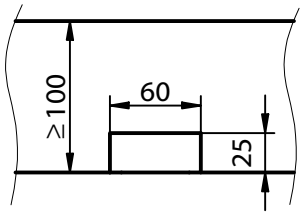
CE

ETA-10/010189

Ausfräsung im Hauptträger

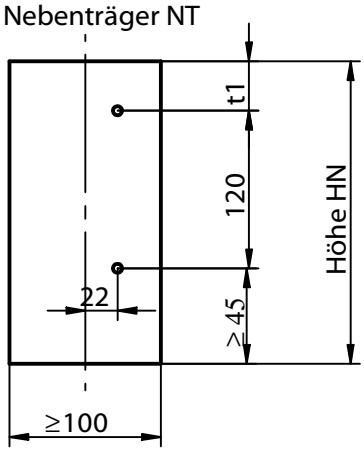
1. Fräsen im Hauptträger





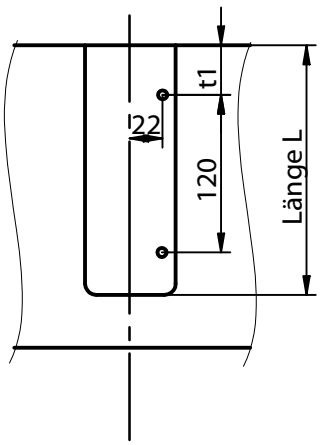
2. Positionierbohrungen

Nebenträger NT



2 Positionierbohrungen ∅ 5 mm
im Hirnholz, Tiefe 50 mm

Hauptträger HT

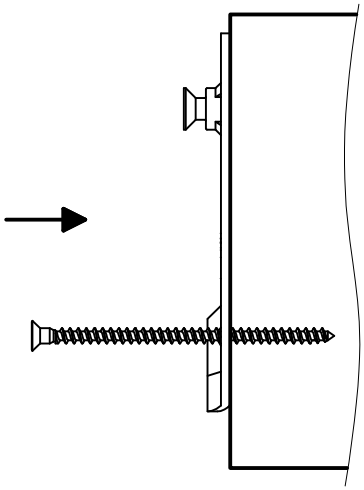


2 Positionierbohrungen ∅ 5 mm
im Längsholz, Tiefe 50 mm

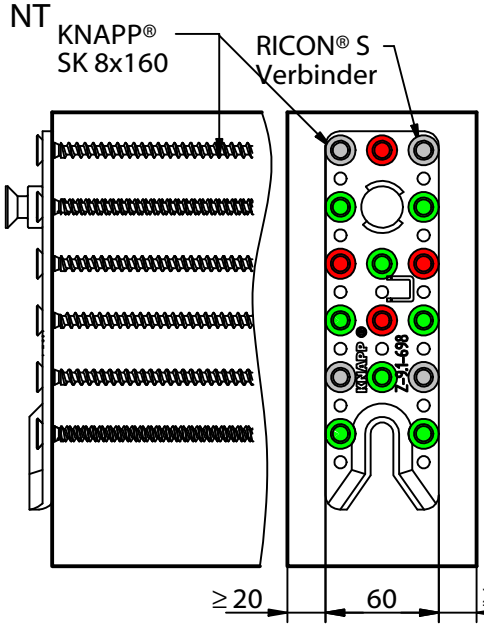
3. Verschrauben

1. Verbinder mit 2 Schrauben in Positionierbohrungen befestigen

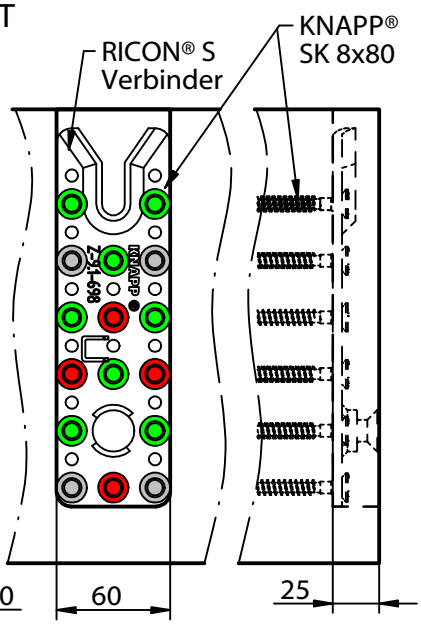
2. Alle weiteren selbstbohrende Schrauben it. Schraubenbild (siehe rechts) eindrehen



Befestigung im Nebenträger NT



Befestigung im Hauptträger HT



Schraubenanzahl und Positionen:

8 St. = min.	-> 31 kN **grün markiert**
12 St.	-> 45 kN **grau markiert** 4 zusätzl. Schrauben
16 St. =max.	-> 60 kN **rot markiert** 4 zusätzl. Schrauben

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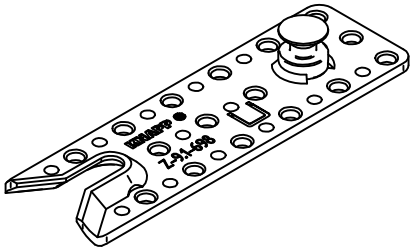


Art.-Nr. K127

Montageanleitung

RICON® S 200/60 VS

Verschweißter Kragenbolzen

CE

ETA-10/010189

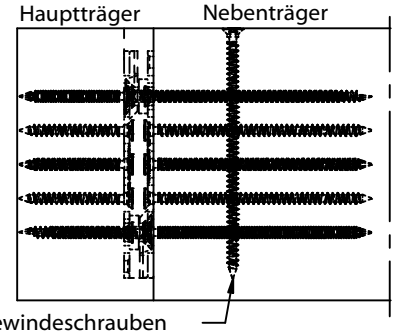
Ausfräsung im Haupträger

Einfräslänge L im Hauptträger in Abhängigkeit der Nebenträgerhöhe H_N	
Nebenträger-höhe H_N	RICON® S 200x60
	Länge L ohne Querzugverstärkung
[mm]	[mm]
160	-
180	-
200	-
220	-
240	210
260	220
280	240
300	250
320	-
360	-

Randabstand der Positionierbohrungen t1 im Haupt- und Nebenträger in Abhängigkeit der Nebenträgerhöhe H_N	
Nebenträger-höhe H_N	RICON® S 200x60
	Randabstand t1 im Nebenträger
	Abstand t1
[mm]	[mm]
160	-
180	-
200	-
220	-
240	50
260	60
280	80
300	90
320	-
360	-

Wichtiger Hinweis:

Sollten geringere Nebenträgerhöhen verwendet werden, muss vom Statiker ein Querzugnachweis durchgeführt werden. Der Querschnitt kann mit Vollgewindeschrauben querzugverstärkt werden, die vom Statiker zu bemessen sind (DIN 1052 , 11.4.3 / EN 1995-1-1, NAD) !



Selbstbohrende Vollgewindeschrauben zur Querzugverstärkung des Nebenträgers

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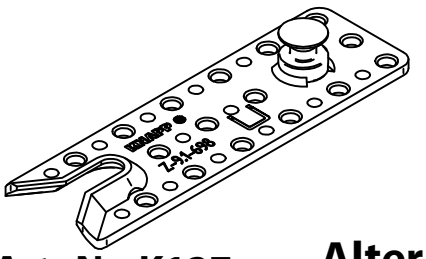


Montageanleitung

RICON® S 200/60 VS

Verschweißter Kragenbolzen

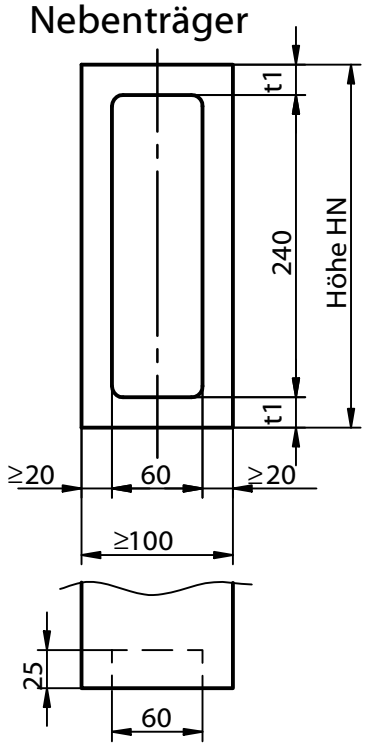
CE

ETA-10/0189

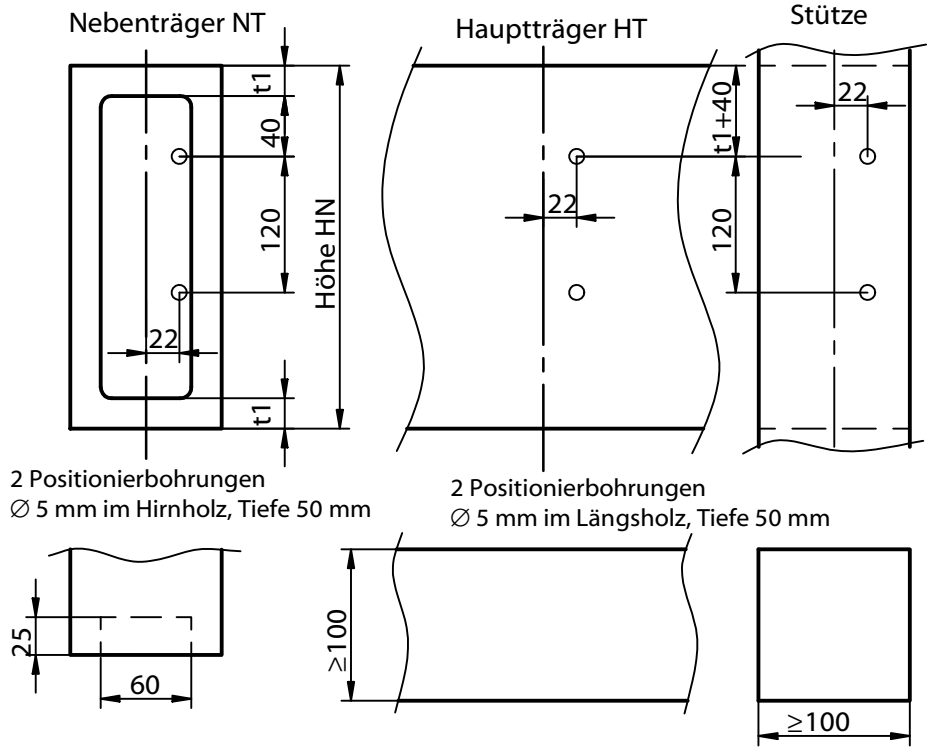
Art.-Nr. K127

Alternativ: Ausfräsung im Nebenträger

1. Fräsen im Nebenträger



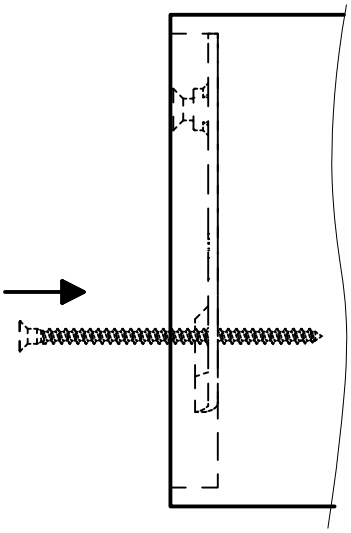
2. Positionierbohrungen

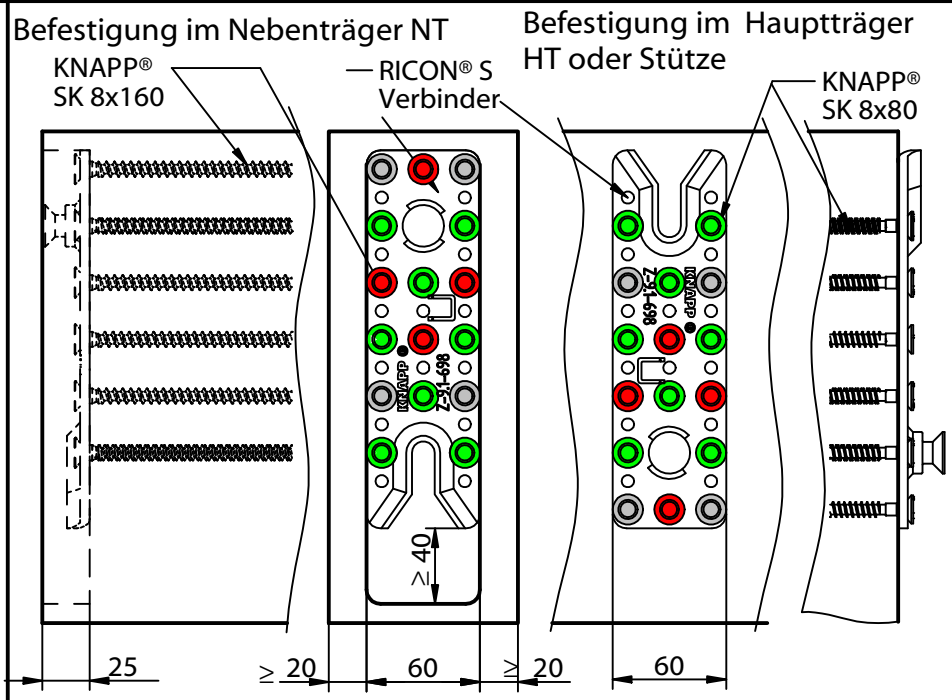


3. Verschrauben

1. Verbinder mit 2 Schrauben in Positionierbohrungen befestigen

2. Alle weiteren selbstbohrende Schrauben it. Schraubenbild (siehe rechts) eindrehen





Schraubenanzahl und Positionen:

8 St. = min.	-> 31 kN	**grün markiert**
12 St.	-> 45 kN	**grau markiert** 4 zusätzl. Schrauben
16 St. =max.	-> 60 kN	**rot markiert** 4 zusätzl. Schrauben

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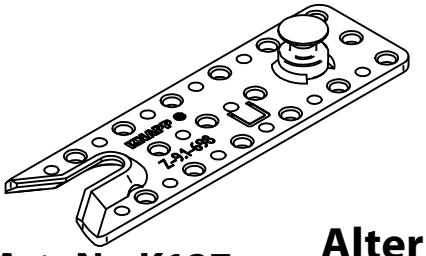


Art.-Nr. K127

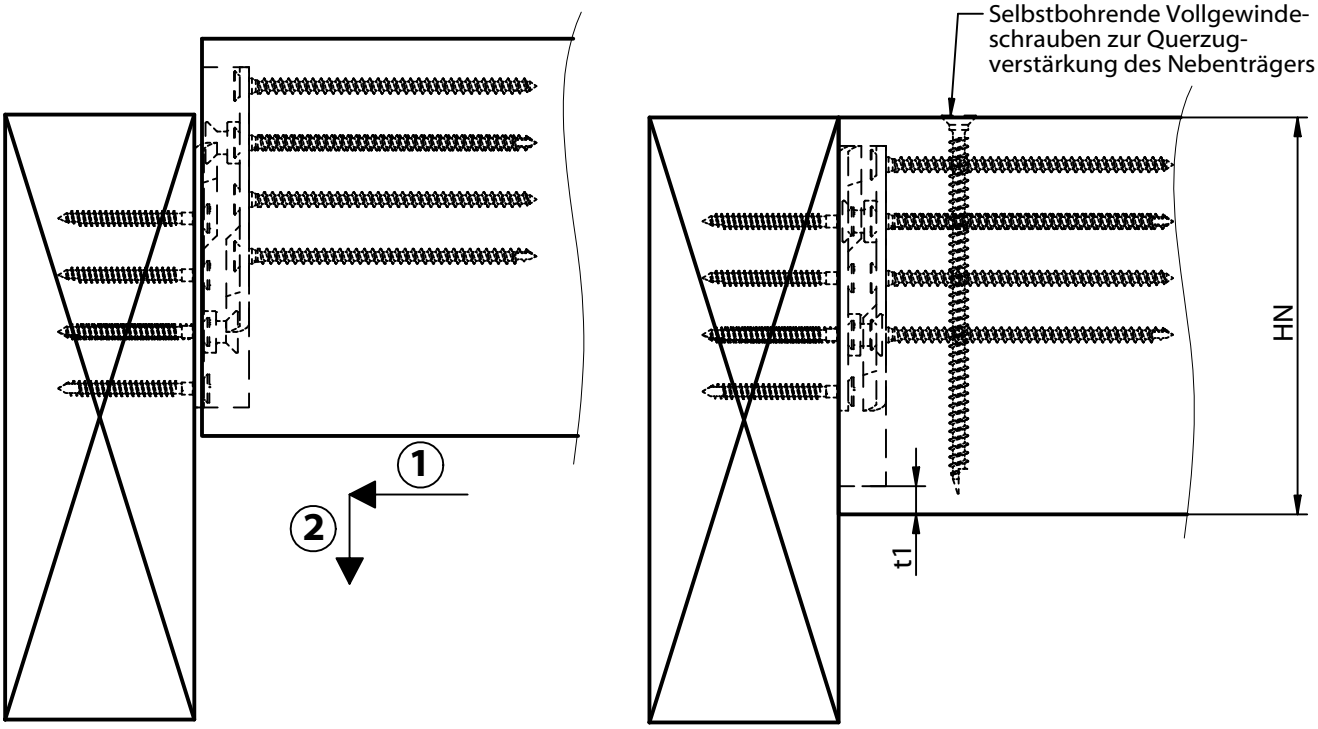
Montageanleitung

RICON® S 200/60 VS

Verschweißter Kragenbolzen

CE
ETA-10/0189

Alternativ: Ausfräsung im Nebenträger



Nebenträger-	Randabstand t1 in Abhängigkeit der Nebenträgerhöhe H_N
höhe	RICON® S 200x60
H_N	Abstand t1
[mm]	[mm]
200	-
220	-
240	-
260	10
280	20
300	30
320	40
340	-
360	-

Wichtiger Hinweis:

Sollten geringere Nebenträgerhöhen verwendet werden, muss vom Statiker ein Querzugnachweis durchgeführt werden. Der Querschnitt kann mit Vollgewindeschrauben querzugverstärkt werden, die vom Statiker zu bemessen sind (DIN 1052 , 11.4.3 / EN 1995-1-1, NAD) !

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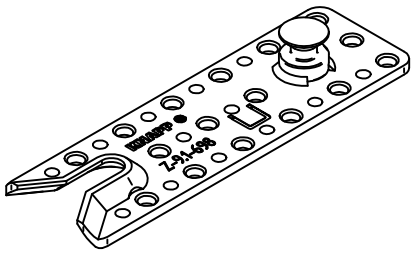


Art.-No. K127

Installation instructions

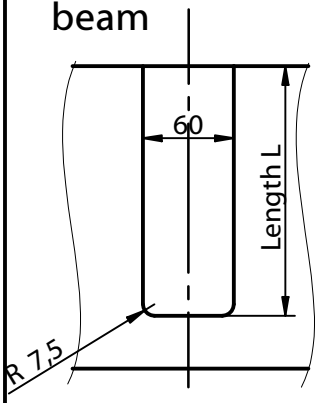
RICON® S 200/60 VS

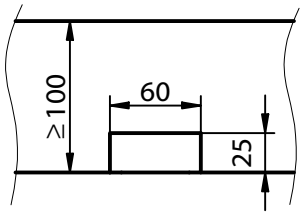
Welded collar bolt

Routing in main beam

CE
ETA-10/0189

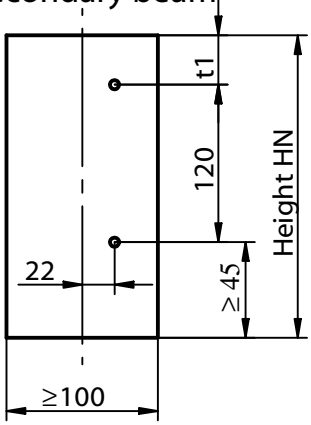
1. Routing in main beam





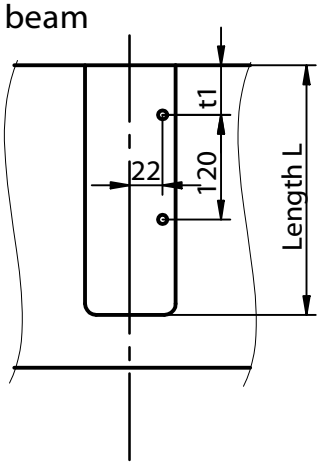
2. Pre drilling centered installation of connector

Secondary beam



2 x drillings ø 5,
depth 50 mm

Main beam

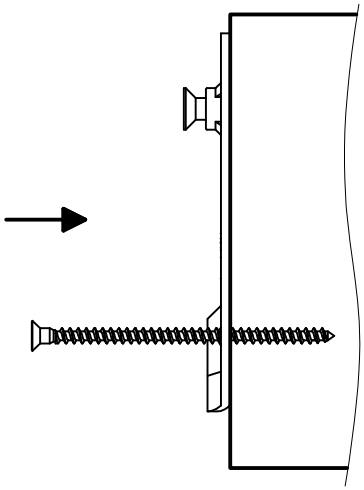


2 x drillings ø 5,
depth 50 mm

3. Screwing:

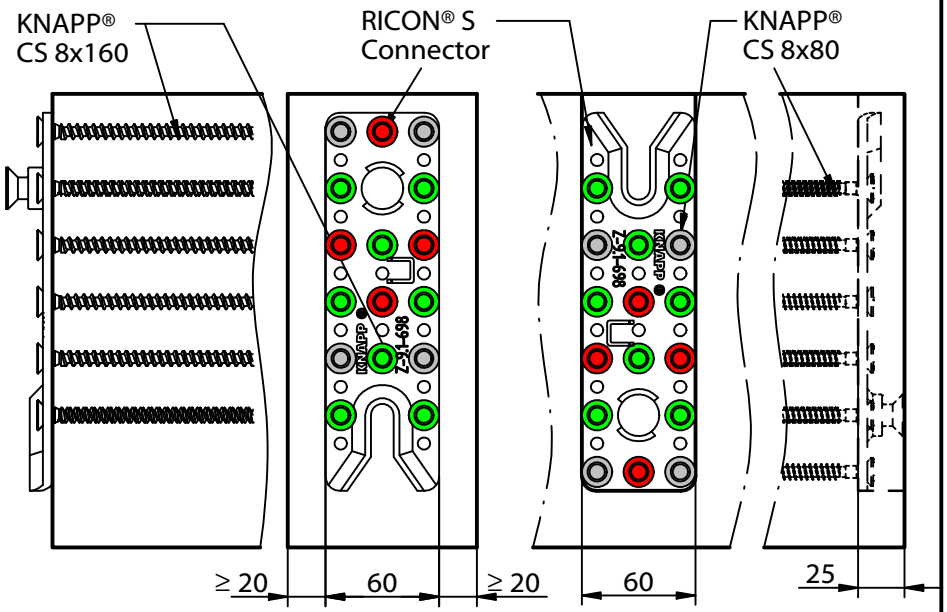
1. Positioning of connector using predrilled holes for 2 screws.

2. Mount connector with CS-screws according to the drawing right hand



Drive in screws in secondary beam

Drive in screws in main beam



Number and position of screws

8 pcs. = min.	-> 31 kN	**green mark**
12 pcs.	-> 45 kN	**gray mark** 4 additional screws
16 pcs. =max.	-> 60 kN	**red mark** 4 additional screws

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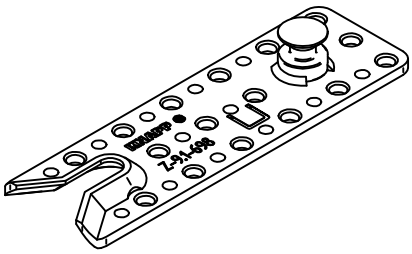


Art.-No. K127

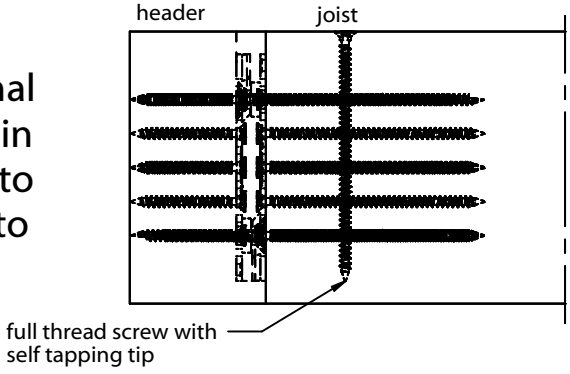
Installation instructions
RICON® S 200/60 VS
Welded collar bolt
Routing in main beam

CE
ETA-10/0189

Routing length L in main beam with respect to secondary beam member height H_N	
Secondary beam height HN	RICON® S 200x60
	Length L without perpendicular to grain tension reinforcement
[mm]	[mm]
160	-
180	-
200	-
220	-
240	210
260	220
280	240
300	250
320	-
360	-

Pre-drill distance t_1 in main- and secondary beam with respect to secondary beam member height H_N	
Secondary beam height H_N	RICON® S 200x60
	Pre-drill distance t_1 for secondary beam
	Distance t_1
[mm]	[mm]
160	-
180	-
200	-
220	-
240	50
260	60
280	80
300	90
320	-
360	-

Important information:
Please contact a licensed design professional for the design of any connection not listed in the tables. Full thread screws may be used to reinforce potential splitting perpendicular to grain or transverse shear failure.



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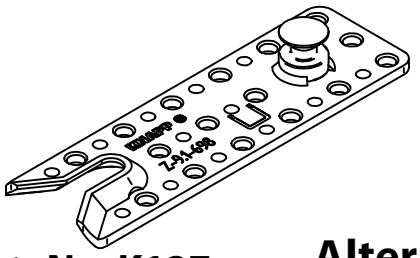


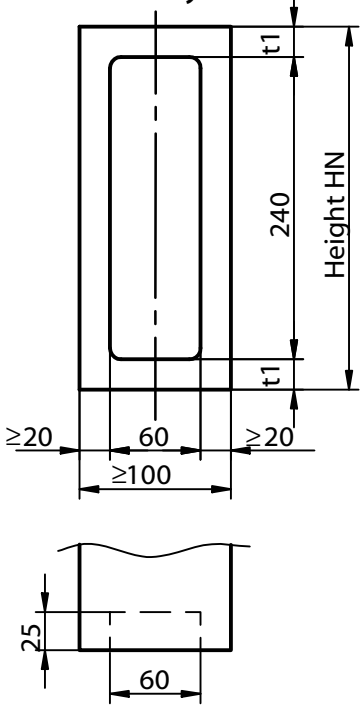
Art.-No. K127

Installation instructions
RICON® S 200/60 VS
Welded collar bolt

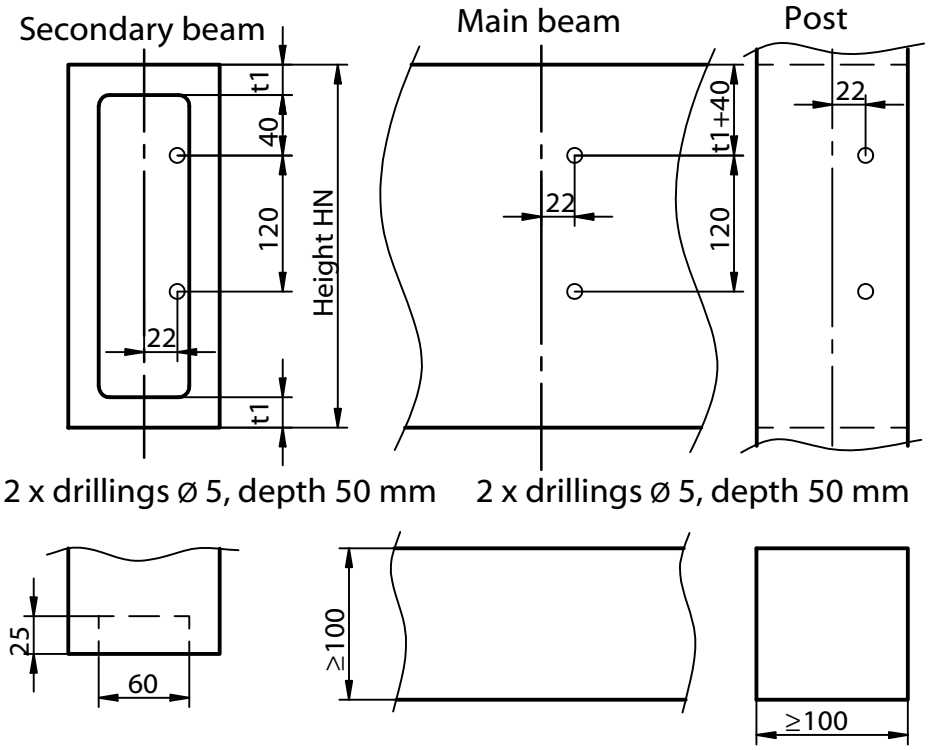
CE
ETA-10/0189

Alternative: Routing in secondary beam

1. Routing in secondary beam



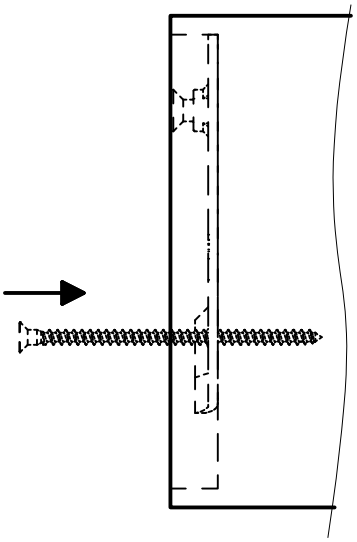
2. Pre drilling centered installation of connector

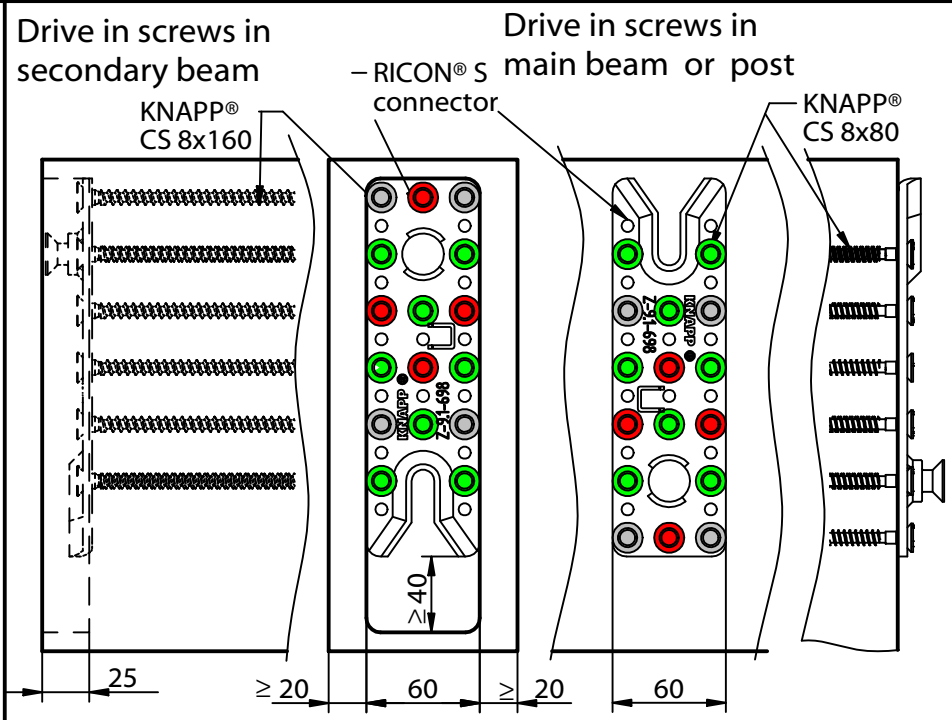


3. Screwing:

1. Positioning of connector using predrilled holes for 2 screws.

2. Mount connector with CS-screws according to the drawing right hand





Number and position of screws

8 pcs. = min.	-> 31 kN	**green mark**
12 pcs.	-> 45 kN	**gray mark** 4 additional screws
16 pcs. =max.	-> 60 kN	**red mark** 4 additional screws

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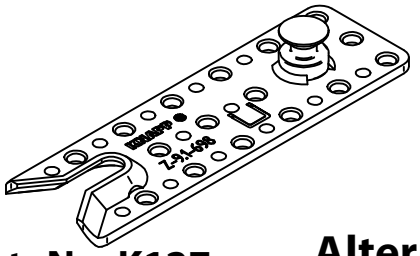
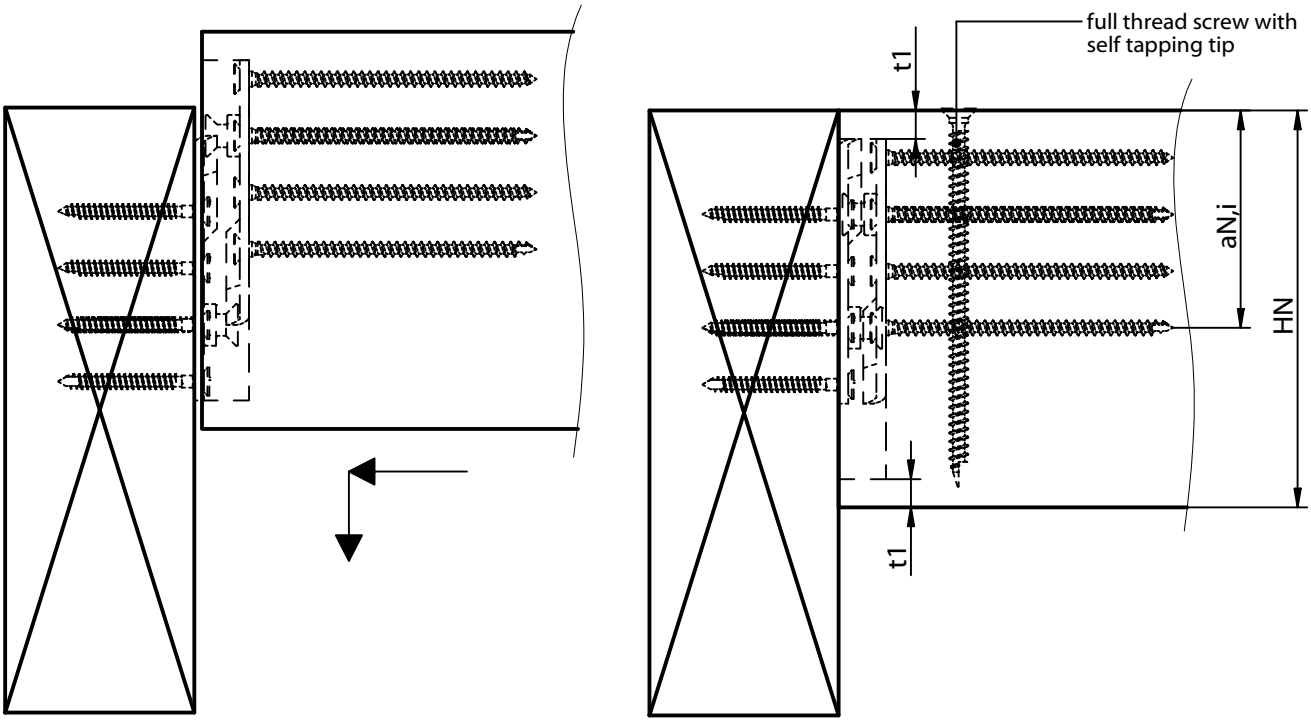


Art.-No. K127

Installation instructions
RICON® S 200/60 VS
Welded collar bolt
Alternative: Routing in secondary beam

CE
ETA-10/0189



Secondary beam height H_N	Edge distance t_1 in reference of the height H_N of the secondary beam
	RICON® S 200x60
	Distance t_1
[mm]	[mm]
200	-
220	-
240	-
260	10
280	20
300	30
320	40
340	-
360	-

Important information:
Please contact a licensed design professional for the design of any connection not listed in the tables. Full thread screws may be used to reinforce potential splitting perpendicular to grain or transverse shear failure.

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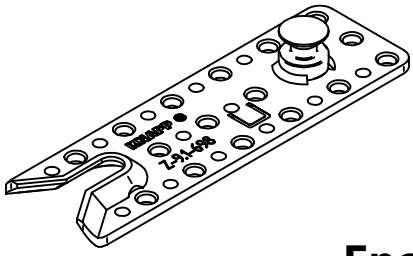


Notice de montage

RICON® S 200/60 VS

Pièce d'accroche soudée

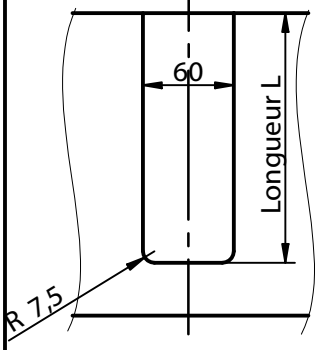
CE

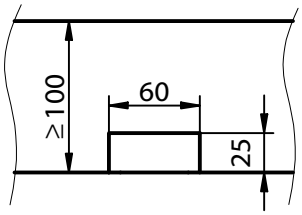
ETA-10/0189

Réf. K127

Encastrement sur la poutre principale

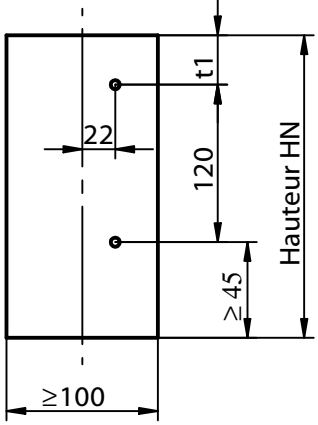
1. Fraiser la poutre principale





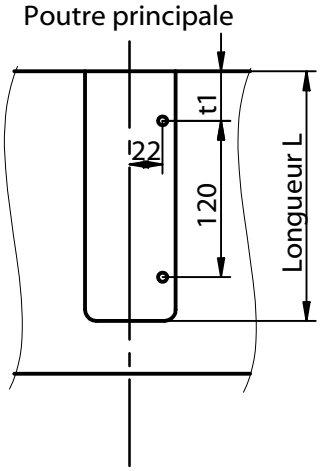
2. Percer

Poutre secondaire



2 perçages de position Ø 5 mm sur bois de bout, profondeur 50 mm

Poutre principale

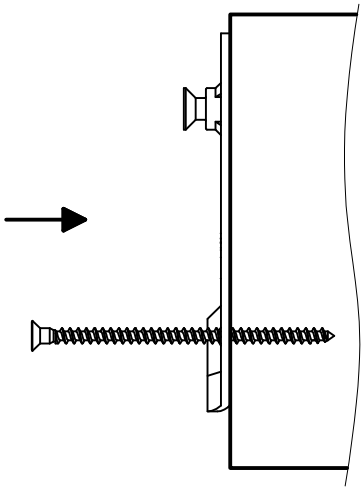


2 perçages de position Ø 5 mm sur bois de fil, profondeur 50 mm

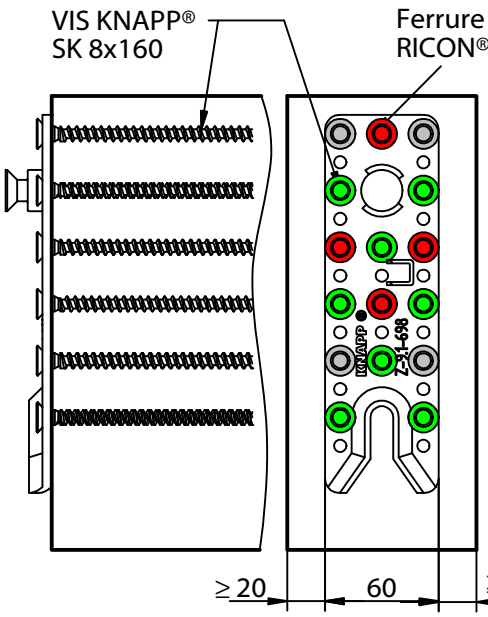
3. Visser

1. Visser la ferrure sur les autres perçages de position

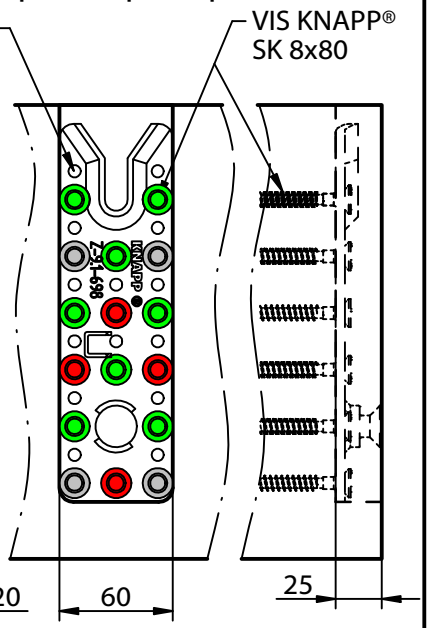
2. Visser le reste des vis suivant le schéma (cf. dessins à droite)



Fixation sur la poutre secondaire



Fixation sur la poutre principale



Nombre et position de vis

8 vis = min. -> 31 kN **marquages vert**
12 vis -> 45 kN **marquages gris** (4 vis supplémentaires)
16 vis = max. -> 60 kN **marquages rouge** (4 vis supplémentaires)

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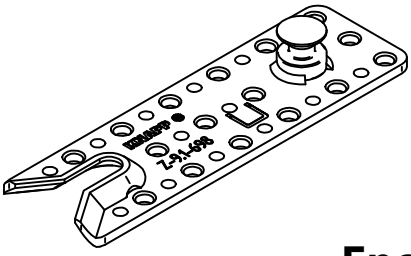


Notice de montage

RICON® S 200/60 VS

Pièce d'accroche soudée

CE

ETA-10/0189

Réf. K127

Encastrement sur la poutre principale

Longueur de fraisage L sur la poutre principale

Longueur de fraisage L sur la poutre principale sans vissage de renfort traversant, en relation avec la hauteur de poutre secondaire H_N

Hauteur de poutre secondaire H_N	RICON® S 200x60
	Longueur L sans renfort
[mm]	[mm]
160	-
180	-
200	-
220	-
240	210
260	220
280	240
300	250
320	-
360	-

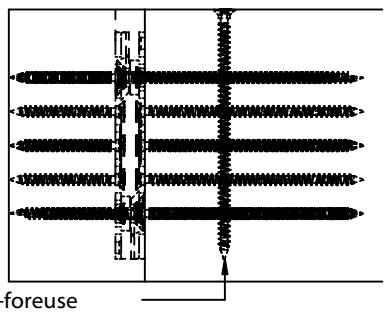
Position des perçages sur la poutre principale et secondaire

Position de perçages t_1 sur la poutre principale et secondaire en relation avec la hauteur de poutre secondaire H_N

Hauteur de poutre secondaire H_N	RICON® S 200x60
	Position de perçage t_1 sur la poutre secondaire
	Distance t_1
[mm]	[mm]
160	-
180	-
200	-
220	-
240	50
260	60
280	80
300	90
320	-
360	-

Remarque importante:

Faire contrôler par un B.E. compétant dans le cas où la hauteur de la poutre secondaire et plus faible qu'indiqué ci-dessus. Une section plus faible peut être renforcée par des vis de renfort traversantes (EN 1995-1-1, NAD et DIN 1052,11.4.3) !



Vis à filetage total avec pointe auto-foreuse
Pour le renfort tranchant des poutres secondaires

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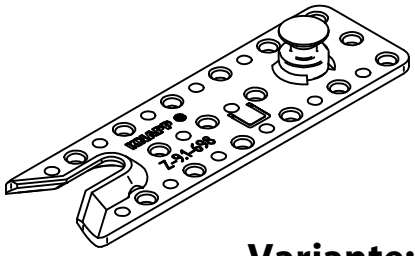

Notice de montage

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Pièce d'accroche soudée

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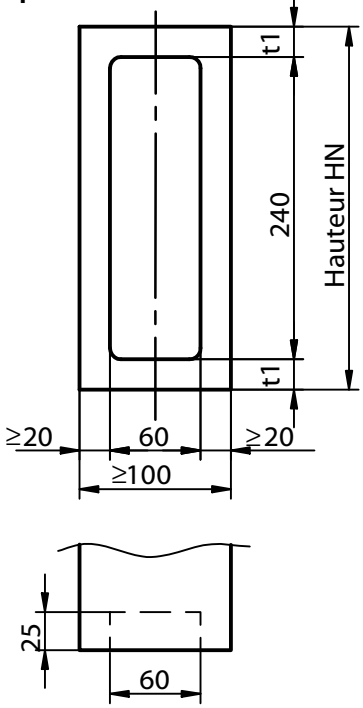
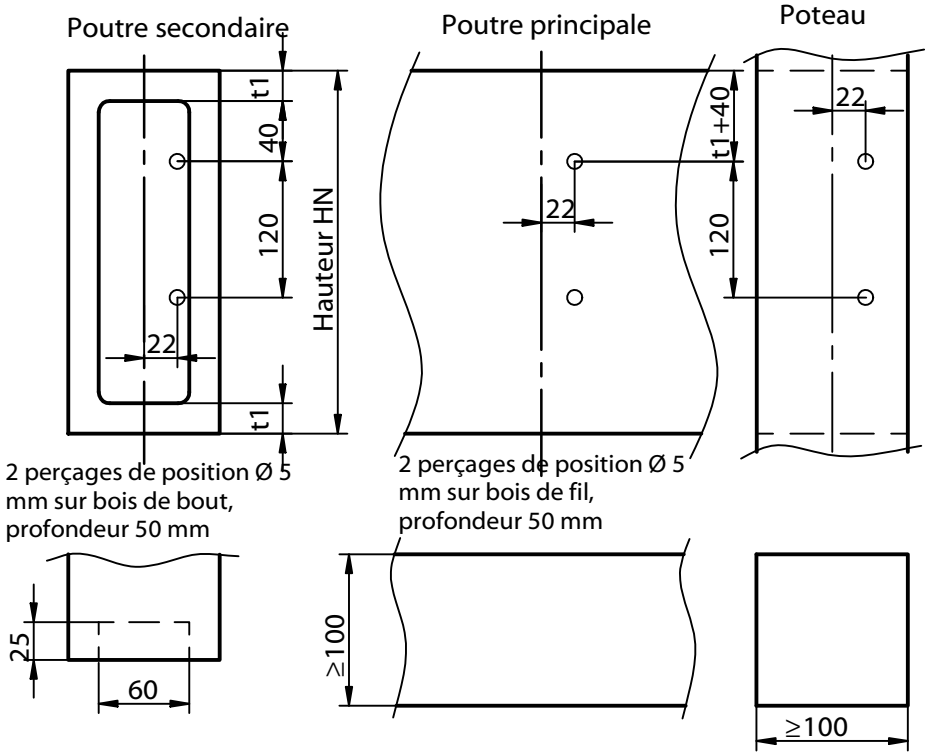
Variante: Encastrement sur la poutre secondaire

1. Fraiser la poutre secondaire



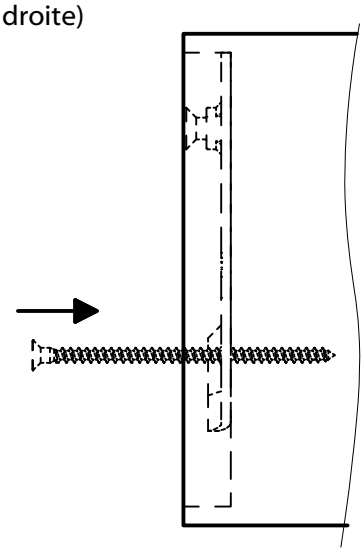
2. Percer



3. Visser

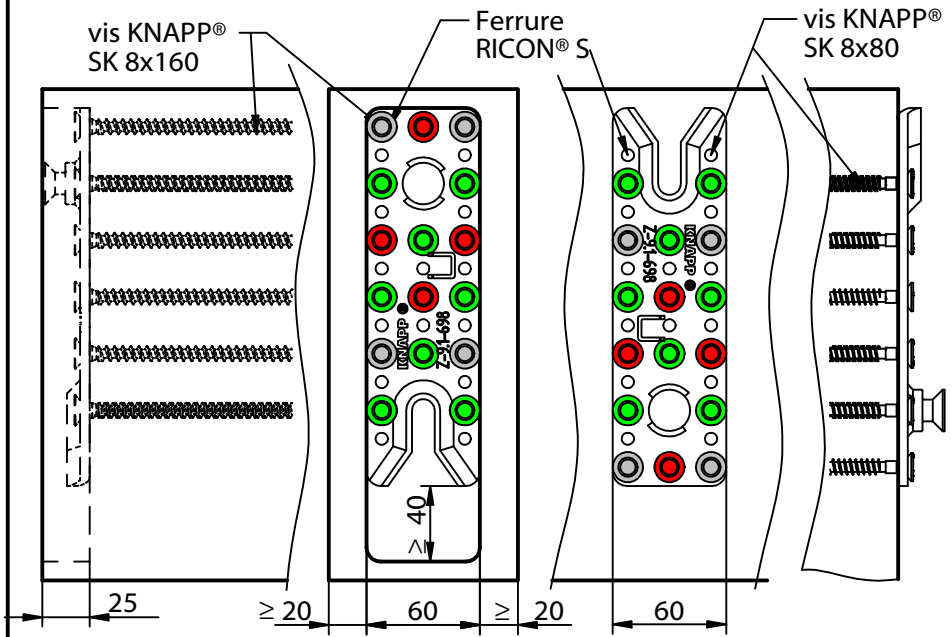
1. Visser la ferrure sur les autres perçages de position

2. Visser le reste des vis suivant le schéma (cf. dessins à droite)



Fixation sur la poutre secondaire

Fixation sur la poutre principale ou le poteau



Nombre et position de vis

8 vis = min. -> 31 kN **marquages vert**
12 vis -> 45 kN **marquages gris** (4 vis supplémentaires)
16 vis = max. -> 60 kN **marquages rouge** (4 vis supplémentaires)

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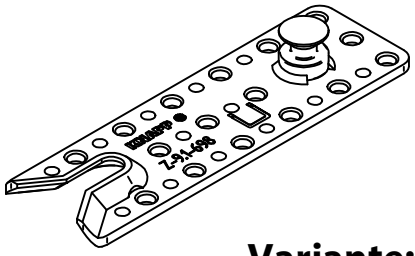


Notice de montage

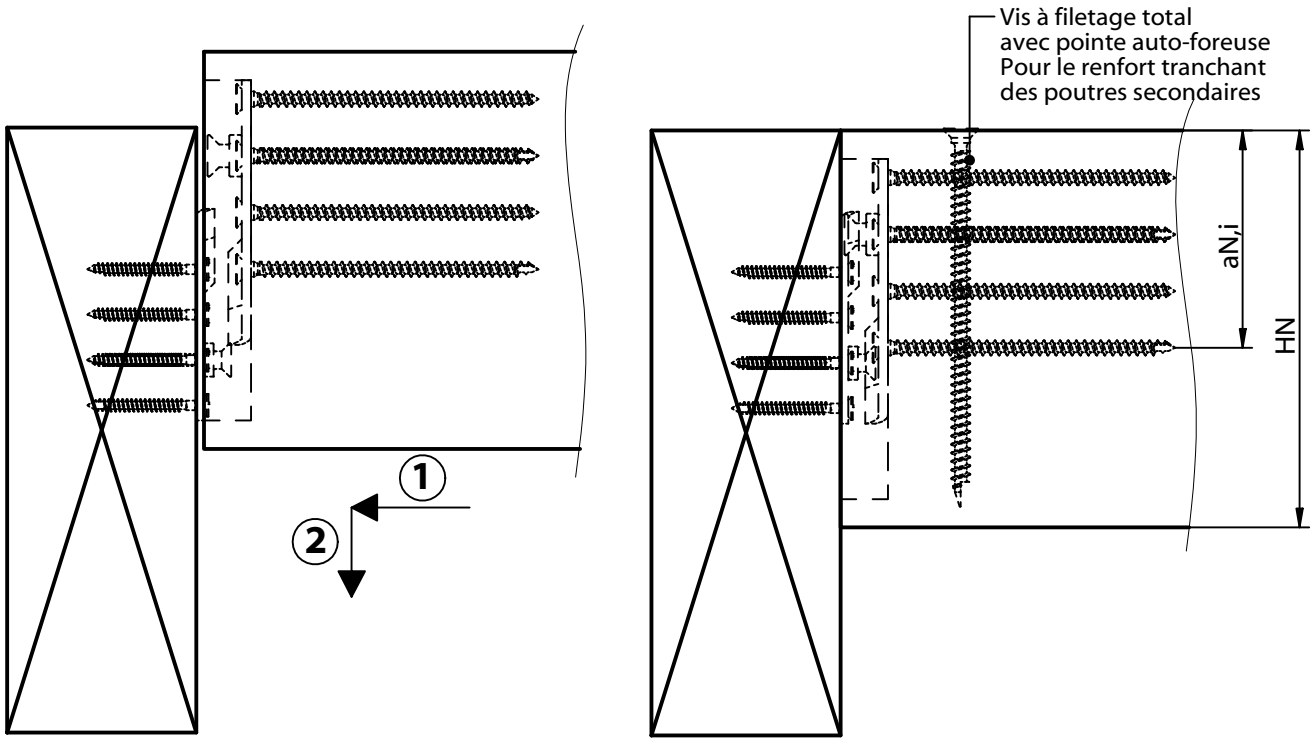
RICON® S 200/60 VS

Pièce d'accroche soudée

CE
ETA-10/0189

Réf. K127

Variante: Encastrement sur la poutre secondaire



Distance du bord t_1 en relation avec la hauteur de la poutre secondaire H_N et de la taille de RICON® S

Hauteur de poutre secondaire	Distance du bord t_1 en relation avec la hauteur de la poutre secondaire H_N
	RICON® S 200x60
H_N	Distance t_1
[mm]	[mm]
200	-
220	-
240	-
260	10
280	20
300	30
320	40
340	-
360	-

Remarque importante:
Faire contrôler par un B.E. compétant dans le cas où la hauteur de la poutre secondaire et plus faible qu'indiqué ci-dessus. Une section plus faible peut être renforcée par des vis de renfort traversantes (EN 1995-1-1, NAD et DIN 1052,11.4.3) !

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