

Montageanleitung

RICON® S 290/80 VS

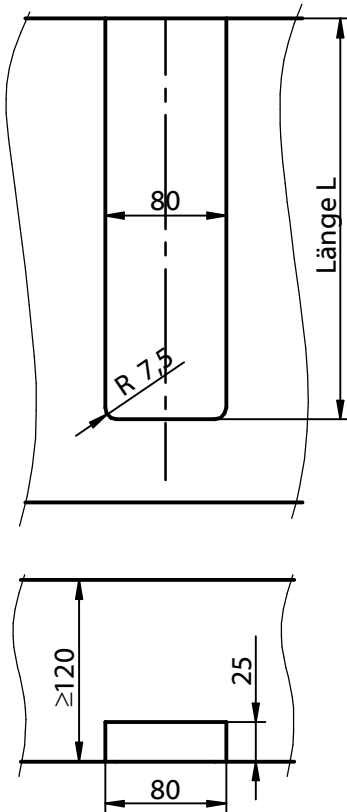
Verschweißter Kragenbolzen

Ausfräsung im Hauptträger

CE
ETA-10/0189

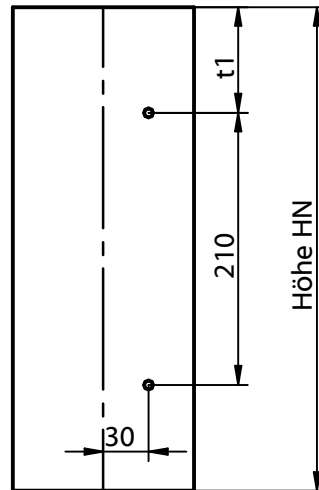
Art.-Nr. K129

1. Fräsen im Hauptträger



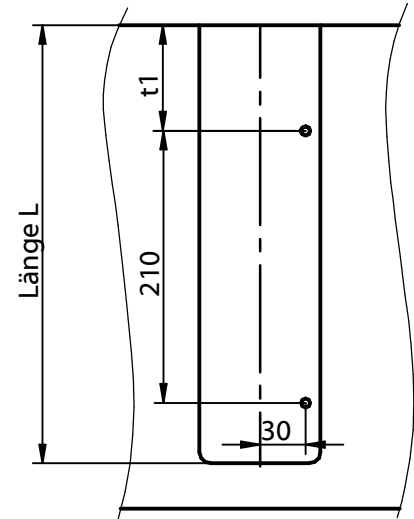
2. Positionierbohrungen

Nebenträger



2 Positionierbohrungen $\varnothing$ 6 mm
im Hirnholz, Tiefe 50 mm

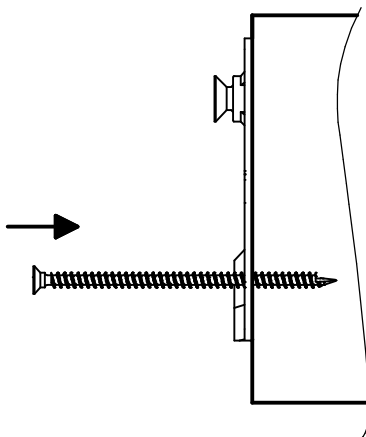
Hauptträger



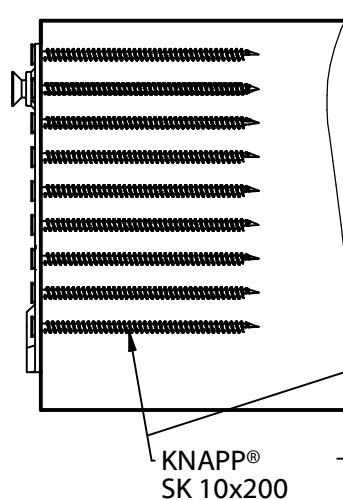
2 Positionierbohrungen $\varnothing$ 6 mm
im Längsholz, Tiefe 50 mm

3. Verschrauben

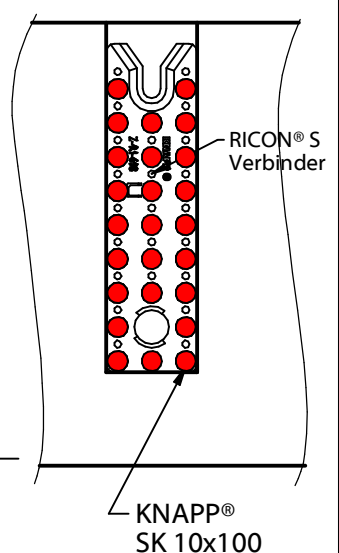
1. Verbinder mit 2 Schrauben in Positionierbohrungen befestigen
2. Alle weiteren selbstbohrende Schrauben it. Schraubenbild (siehe rechts) eindrehen



Befestigung im Nebenträger



Befestigung im Hauptträger



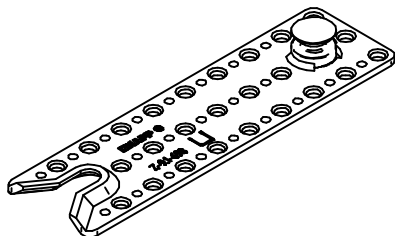
Schraubenanzahl und Positionen:

Min. Verschraubung: -> $F_{2,Rk} = 91,6$ kN

HT: 25 SK 10x100 / NT: 25 SK 10x200

Max. Verschraubung: -> $F_{2,Rk} = 105,2$ kN

HT: 25 SK 10x100 / NT: 25 SK 10x300



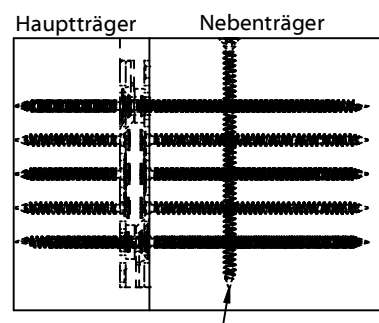
Einfräslängen L im Hauptträger

Nebenträger- höhe H_N	RICON® S 290x80	
	Länge L ohne Querzugverstärkung	
	[mm]	[mm]
220		-
240		-
260		-
280		-
300		-
320		305
340		315
360		325
380		335
400		345

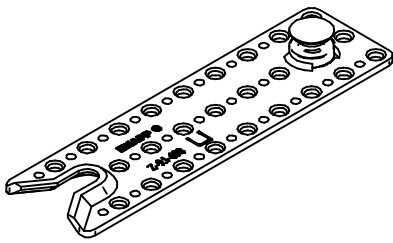
Randabstand der Positionierbohrungen t1 im Haupt- und Nebenträger in Abhängigkeit der Nebenträgerhöhe H_N		
Nebenträger- höhe H_N	RICON® S 290x80	
	Randabstand t1 im Nebenträger	
	Abstand t1	
[mm]	[mm]	[mm]
220		-
240		-
260		-
280		-
300		-
320		55
340		65
360		75
380		85
400		95

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 (EN 1995-1-1, NAD) !



Vollgewindeschrauben mit Bohrspitze
zur Querzugverstärkung des Nebenträgers



Montageanleitung

RICON® S 290/80 VS

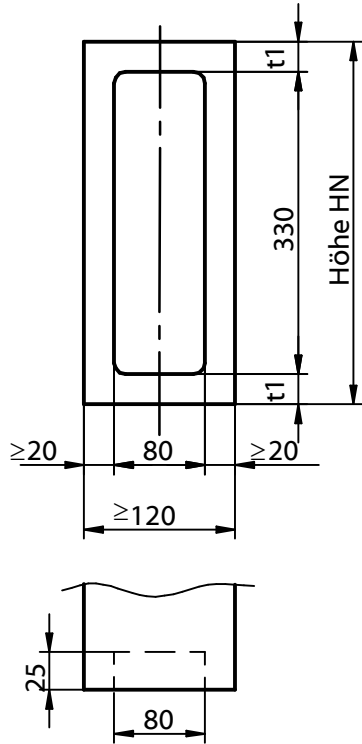
Verschweißter Kragenbolzen



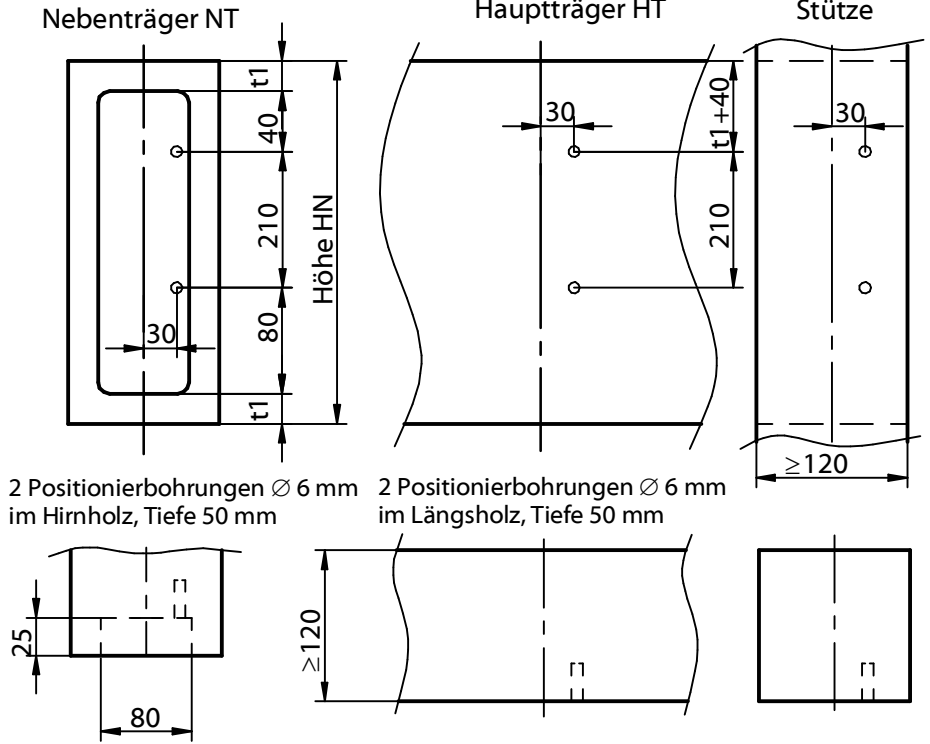
Art.-Nr. K129

Alternativ: Ausfräsung im Nebenträger

1. Fräsen im Nebenträger

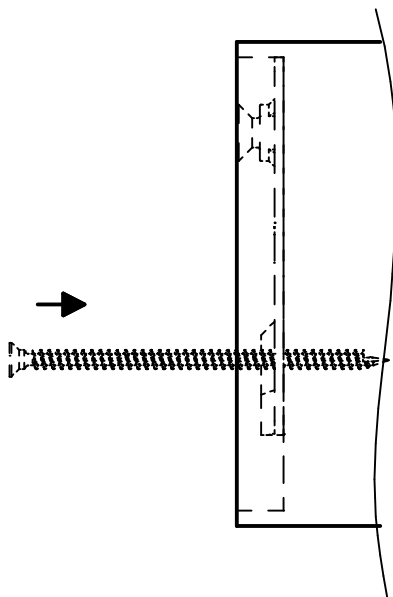


2. Positionierbohrungen

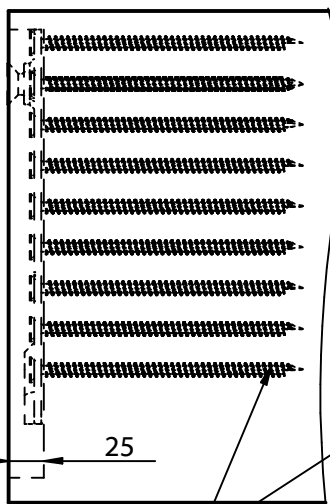


3. Verschrauben

1. Verbinder mit 2 Schrauben in Positionierbohrungen befestigen
2. Alle weiteren selbstbohrende Schrauben lt. Schraubenbild (siehe rechts) eindrehen

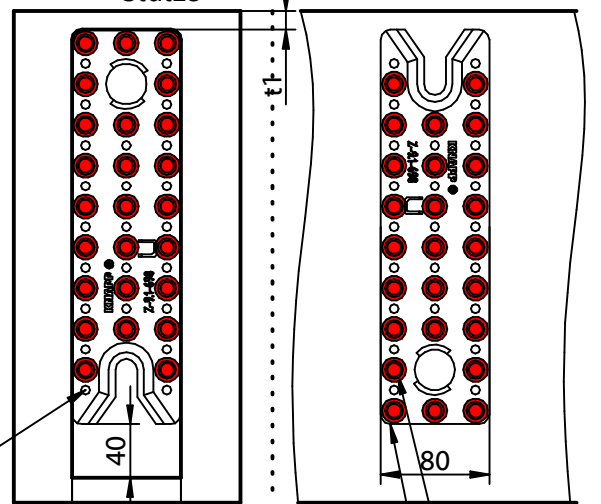


Befestigung im Nebenträger NT



KNAPP® SK 10x200

Befestigung im Hauptträger HT oder Stütze



RICON® S Verbinder

KNAPP® SK 10x100

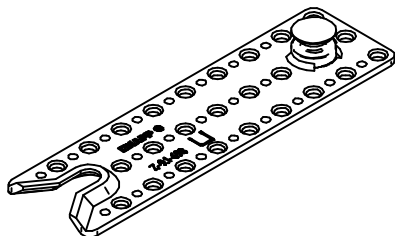
Schraubenanzahl und Positionen:

Min. Verschraubung: -> $F_{2,Rk} = 91,6$ kN

HT: 25 SK 10x100 / NT: 25 SK 10x200

Max. Verschraubung: -> $F_{2,Rk} = 105,2$ kN

HT: 25 SK 10x100 / NT: 25 SK 10x300



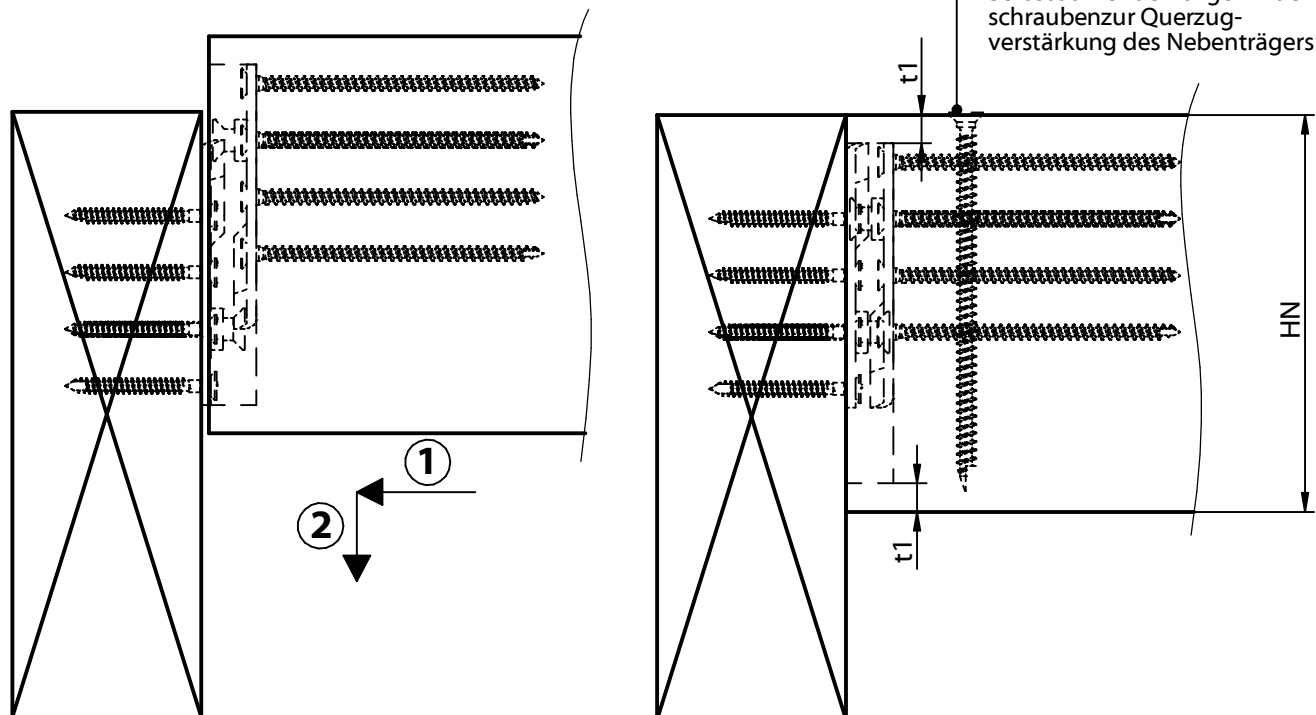
Montageanleitung RICON® S 290/80 VS Verschweißter Kragenbolzen



ETA-10/0189

Art.-Nr. K129

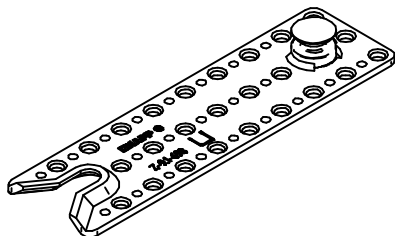
Alternativ: Ausfräsung im Nebenträger



Nebenträger- höhe	Randabstand t1 in Abhängigkeit der Nebenträgerhöhe H _N
H _N	RICON® S 290x80
[mm]	Abstand t1 [mm]
260	-
280	-
320	-
360	15
400	35
440	55
480	75
520	95

Wichtiger Hinweis:

Sollten geringere Nebenträgerhöhen verwendet werden, muss vom Statiker ein Querkug-nachweis durchgeführt werden. Der Querschnitt kann mit Vollgewindeschrauben querkug-verstärkt werden, die vom Statiker zu bemessen sind (EN 1995-1-1, NAD) !



Art.-No. K129

Installation instructions

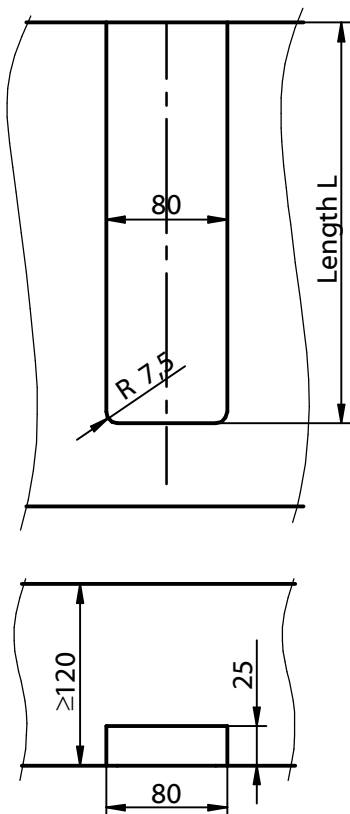
RICON® S 290/80 VS

Welded collar bolt

Routing in main beam

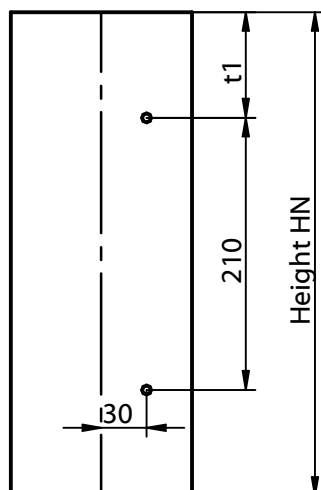


1. Routing in main beam



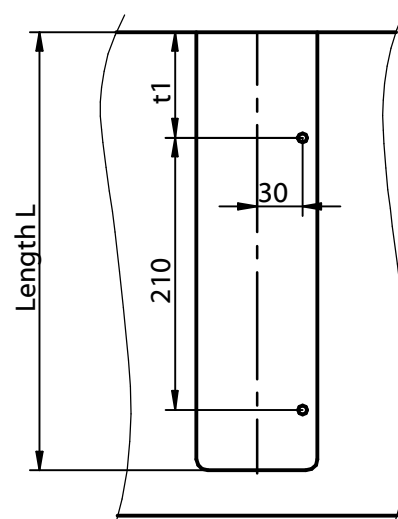
2. Pre drilling centered installation of connector

Secondary beam



2 x drillings $\varnothing$ 6,
depth 50 mm

Main beam

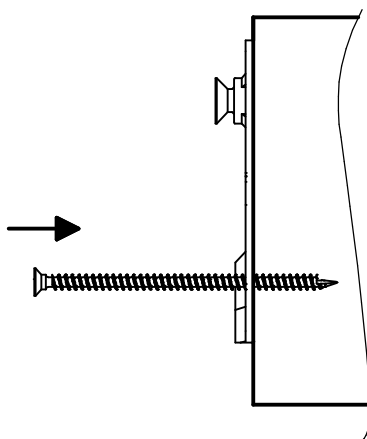


2 x drillings $\varnothing$ 6,
depth 50 mm

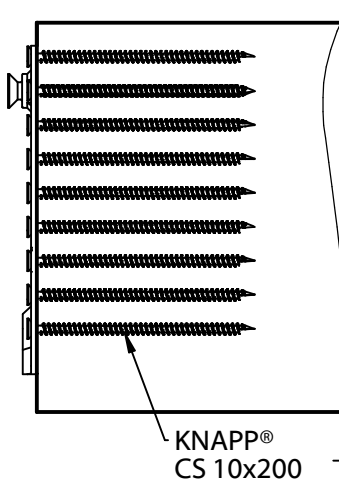
3. Screwing:

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

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

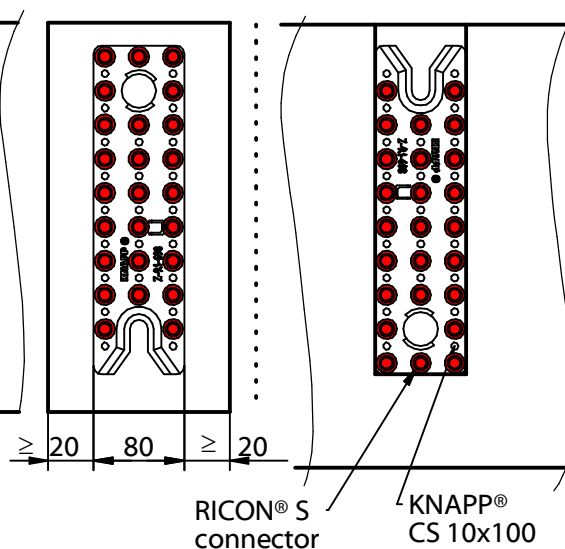


Drive in screws in secondary beam



KNAPP®
CS 10x200

Drive in screws in main beam



RICON® S
connector

KNAPP®
CS 10x100

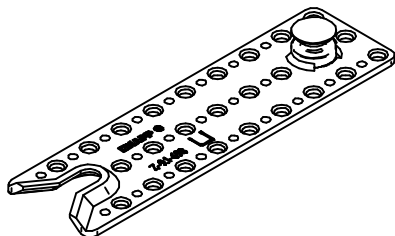
Number and position of screws

Min. screwing: $\rightarrow F_{2,Rk} = 91,6 \text{ kN}$

Main beam: 25 CS 10x100 / Secondary beam: 25 CS 10x200

Max. screwing: $\rightarrow F_{2,Rk} = 105,2 \text{ kN}$

Main beam: 25 CS 10x100 / Secondary beam: 25 CS 10x300



Art.-No. K129

Installation instructions

RICON® S 290/80 VS

Welded collar bolt

Routing in main beam



Routing length L in main beam with respect to secondary beam member height H_N

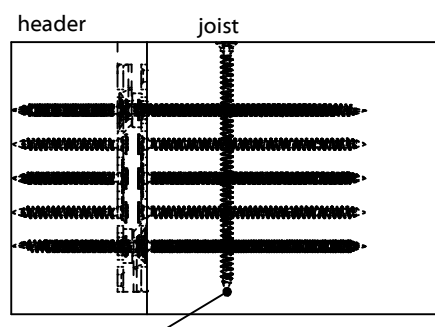
Secondary beam height H_N	RICON® S 290x80	
	Length L without perpendicular to grain tension reinforcement	
[mm]	[mm]	
220	-	
240	-	
260	-	
280	-	
300	-	
320	305	
340	315	
360	325	
380	335	
400	345	

Pre-drill distance t_1 in main- and secondary beam with respect to secondary beam member height H_N

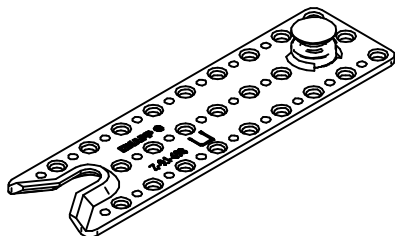
Secondary beam height H_N	RICON® S 290x80	
	Pre-drill distance t_1 for secondary beam	
	Distance t_1	
[mm]	[mm]	
220	-	
240	-	
260	-	
280	-	
300	-	
320	55	
340	65	
360	75	
380	85	
400	95	

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.



full thread screw with self tapping tip



Installation instructions

RICON® S 290/80 VS

Welded collar bolt



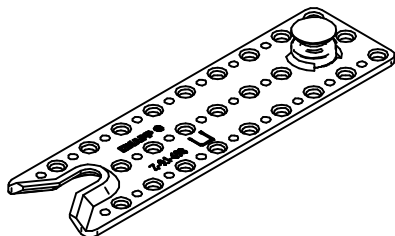
Art.-No. K129

Alternative: Routing in secondary beam

1. Routing in secondary beam	2. Pre drilling centered installation of connector Secondary beam 2 x drillings $\varnothing 6$, depth 50 mm Main beam 2 x drillings $\varnothing 6$, depth 50 mm Post 2 x drillings $\varnothing 6$, depth 50 mm	
3. Screwing: - Positioning of connector using predrilled holes for 2 screws. - Mount connector with CS-screws according to the drawing right hand	Drive in screws in secondary beam KNAPP® CS 10x200 Drive in screws in main beam or post KNAPP® CS 10x100 RICON® S connector Number and position of screws Min. screwing: $\rightarrow F_{2,Rk} = 91,6 \text{ kN}$ Main beam: 25 CS 10x100 / Secondary beam: 25 CS 10x200 Max. screwing: $\rightarrow F_{2,Rk} = 105,2 \text{ kN}$ Main beam: 25 CS 10x100 / Secondary beam: 25 CS 10x300	

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Installation instructions

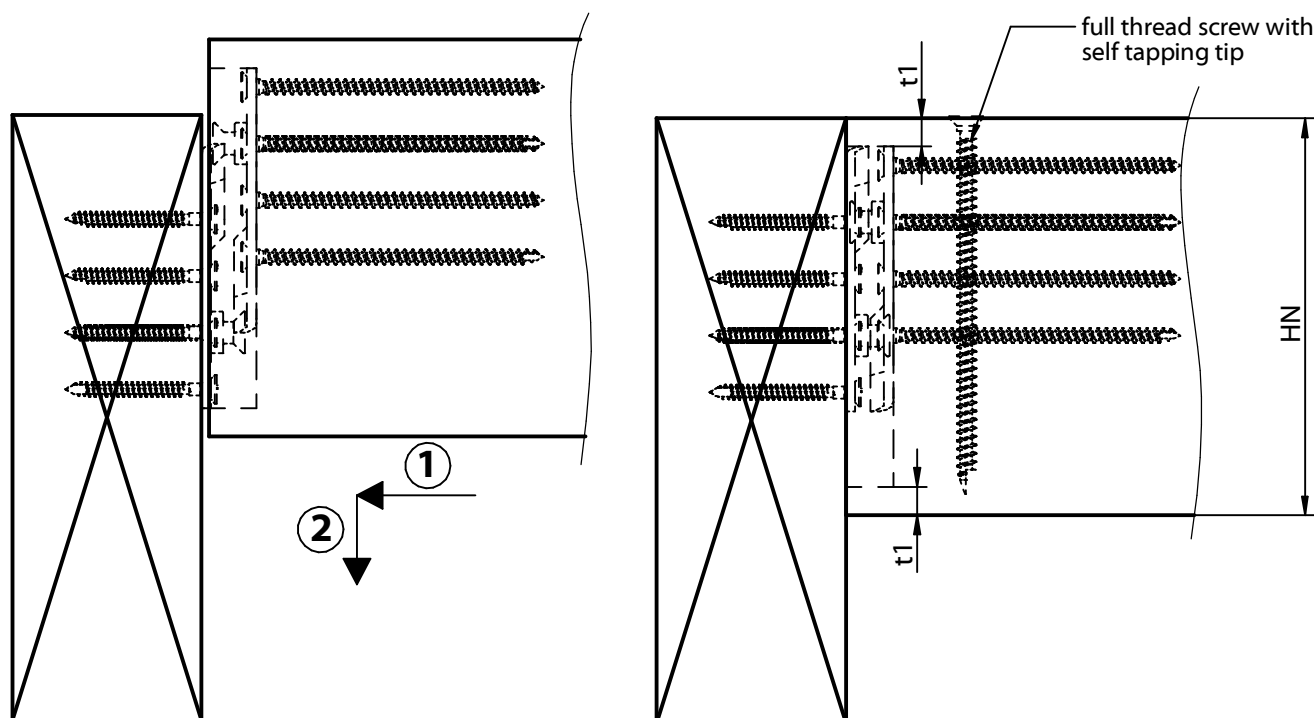
RICON® S 290/80 VS

Welded collar bolt



Art.-No. K129

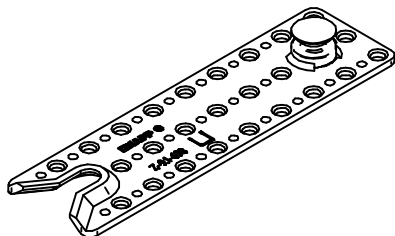
Alternative: Routing in secondary beam



Secondary beam height H_N [mm]	Edge spacings t_1 with respect to secondary beam member height H_N
	RICON® S 290x80
	Distance t_1 [mm]
260	-
280	-
320	-
360	15
400	35
440	55
480	75
520	95

Important information:

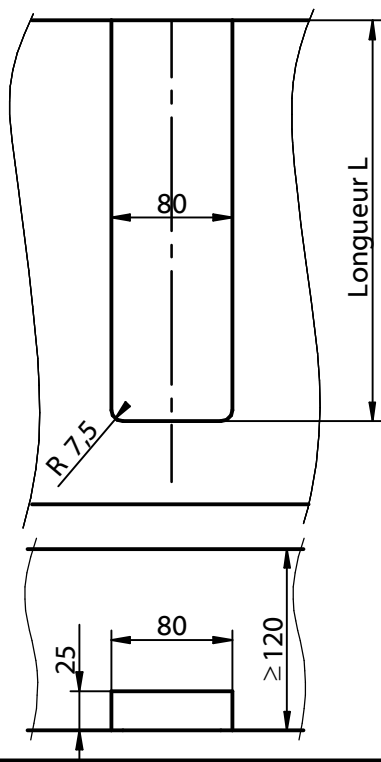
Please contact a licensed design professional for the design of any connection not listed in the tables. Full thread screws may be used to reinforce potential splitting perpendicular to grain or transverse shear failure.



Réf. K129

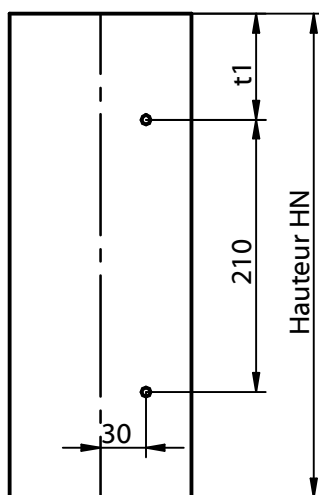
Encastrement sur la poutre principale

1. Fraiser la poutre principale



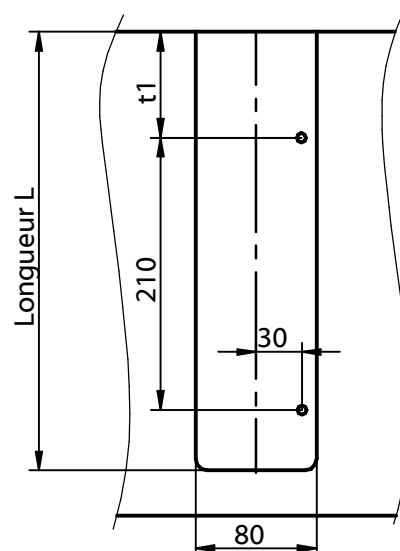
2. Percer

Poutre secondaire



2 perçages de position Ø 6 mm sur bois de bout, profondeur 50 mm

Poutre principale

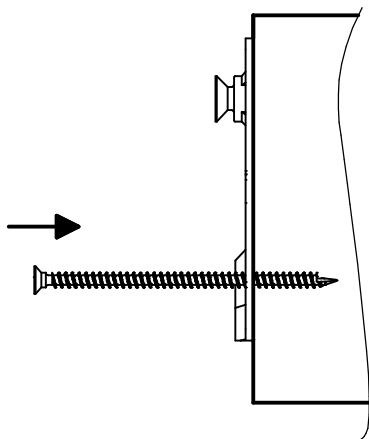


2 perçages de position Ø 6 mm sur bois de fil, profondeur 50 mm

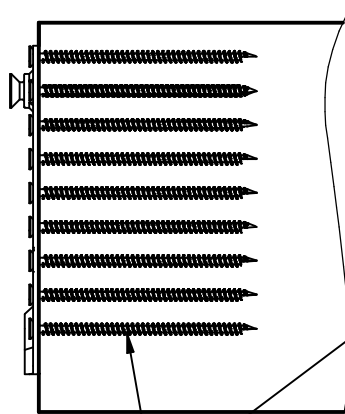
3. Visser

1. Visser la ferrure sur les autres perçages de position

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

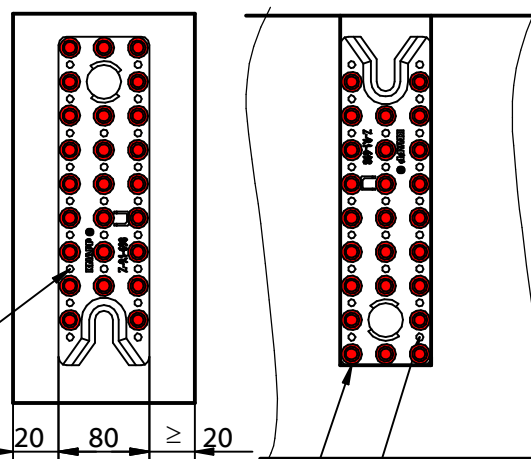


Fixation sur la poutre secondaire (PS)



VIS KNAPP® SK 10x200

Fixation sur la poutre principale (PP)



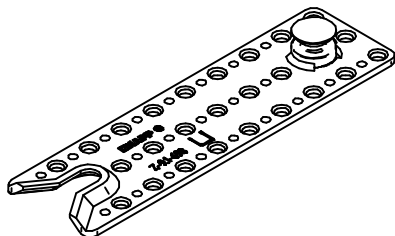
Ferrure RICON® S

VIS KNAPP® SK 10x100

Nombre et position de vis

Min. vis: -> $F_{2,Rk} = 91,6 \text{ kN}$
PP: 25 CS 10x100 / PS: 25 CS 10x200

Max. vis: -> $F_{2,Rk} = 105,2 \text{ kN}$
PP: 25 CS 10x100 / PS: 25 CS 10x300



Longueur de fraisage L sur la poutre principale

Hauteur de poutre secondaire H_N	RICON® S 290x80	
	Longueur L sans renfort	
[mm]	[mm]	
220	-	
240	-	
260	-	
280	-	
300	-	
320	305	
340	315	
360	325	
380	335	
400	345	

Position des perçages sur la poutre principale et secondaire

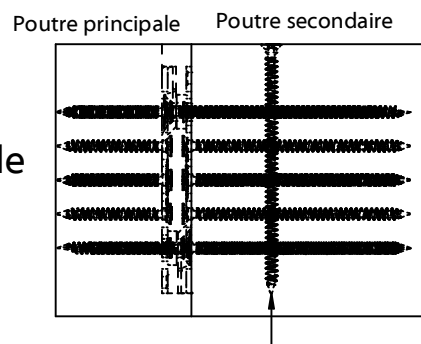
Position de perçages t_1 sur la poutre principale et secondaire en relation avec la hauteur de poutre secondaire H_N

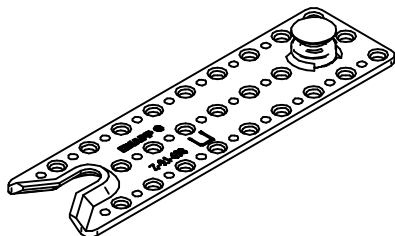
Hauteur de poutre secondaire H_N	RICON® S 290x80	
	Position de perçage t_1 sur la poutre secondaire	
	Distance t_1	
[mm]	[mm]	
220	-	
240	-	
260	-	
280	-	
300	-	
320	55	
340	65	
360	75	
380	85	
400	95	

Remarque importante:

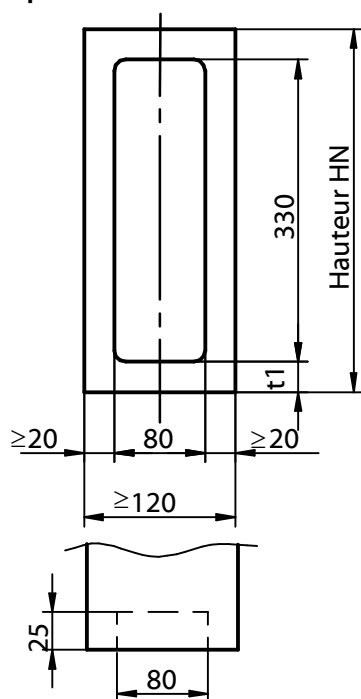
Faire contrôler par un B.E. compétant dans le cas où la hauteur de la poutre secondaire et plus faible qu'indiqué ci-dessus. Une section plus faible peut être renforcée par des vis de renfort traversantes (EN 1995-1-1, NAD) !

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

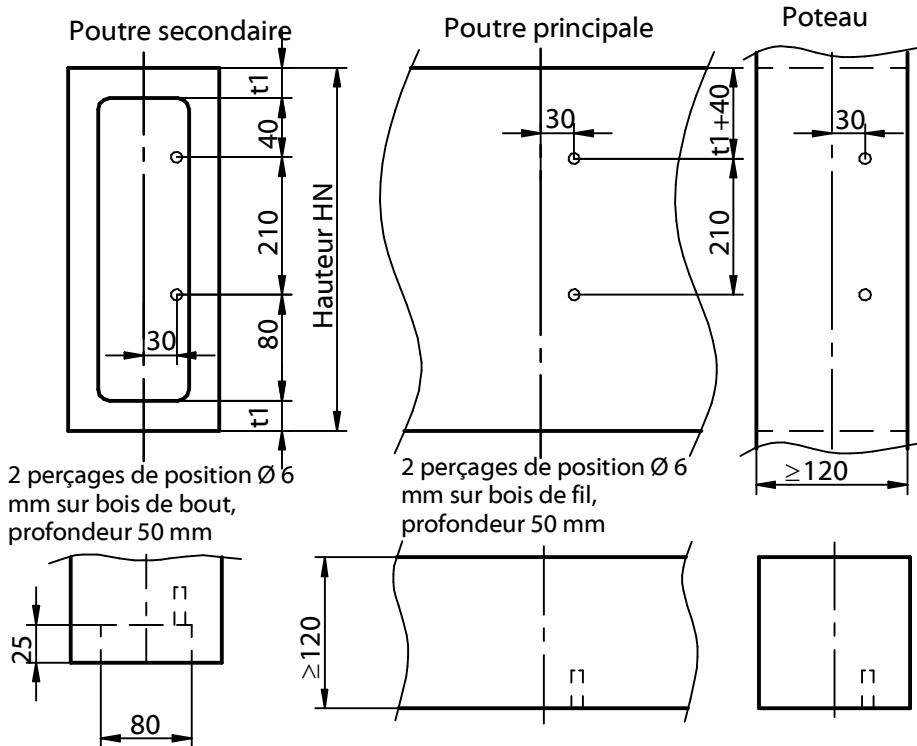




1. Fraiser la poutre secondaire

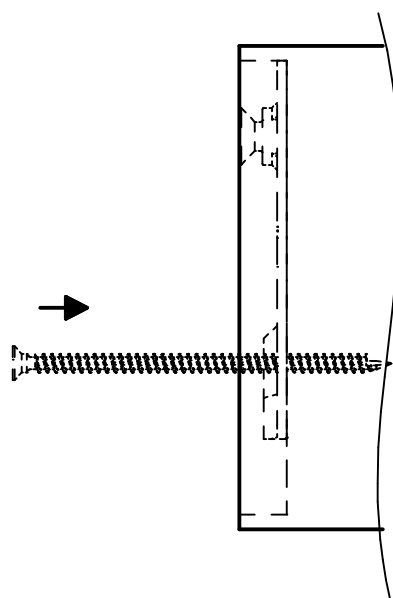


2. Percer

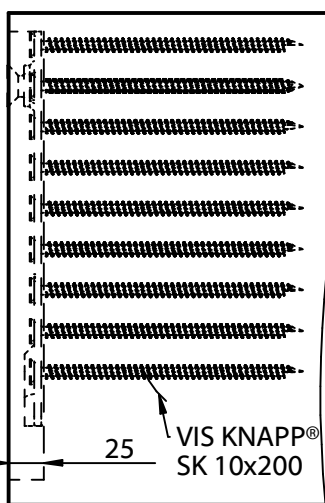


3. Visser

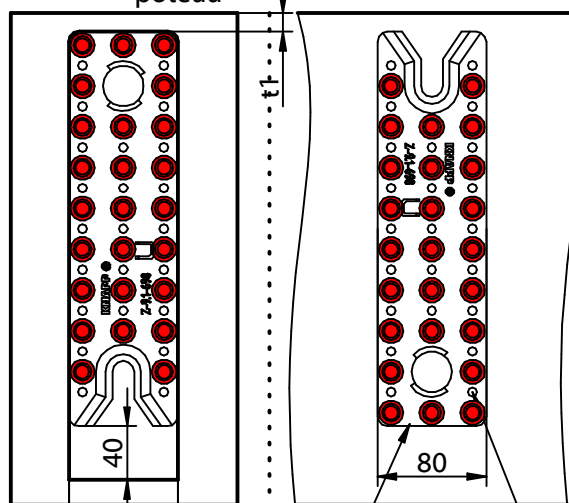
1. Visser la ferrure sur les autres perçages de position
2. Visser le reste des vis suivant le schéma (cf. dessins à droite)



Fixation sur la poutre secondaire

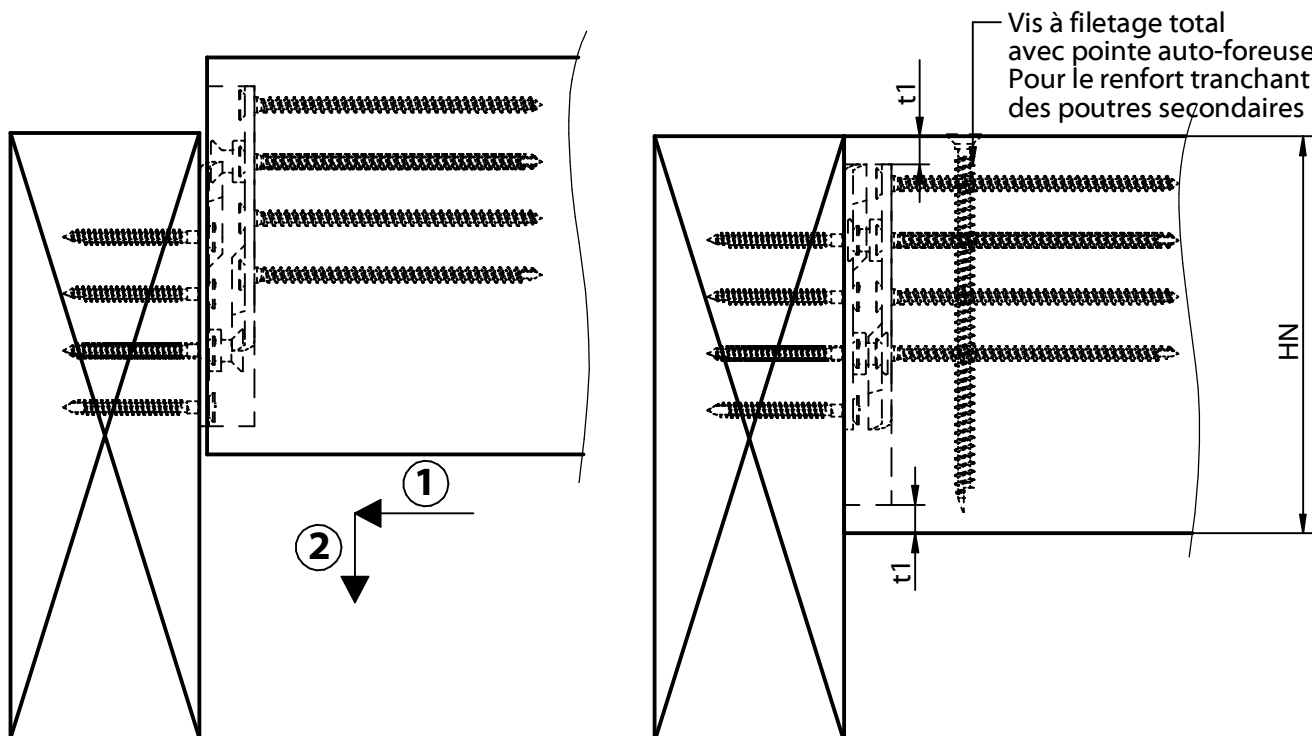
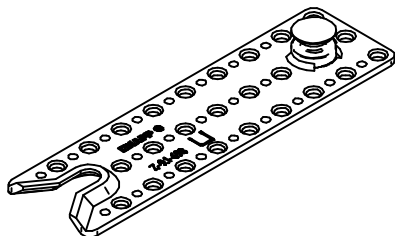


Fixation sur la poutre principale ou le poteau



Nombre et position de vis

Min. vis: -> $F_{2,Rk} = 91,6 \text{ kN}$
 PP: 25 CS 10x100 / PS: 25 CS 10x200
Max. vis: -> $F_{2,Rk} = 105,2 \text{ kN}$
 PP: 25 CS 10x100 / PS: 25 CS 10x300



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 H_N	Distance du bord t_1 en relation avec la hauteur de la poutre secondaire H_N	
	RICON® S 290x80	
H_N	Distance t_1	
[mm]	[mm]	
260	-	
280	-	
320	-	
360	15	
400	35	
440	55	
480	75	
520	95	

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) !