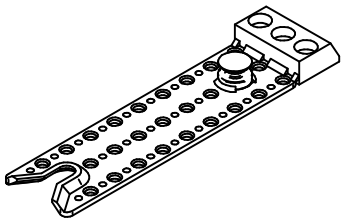


Art.-Nr. K191

Montageanleitung

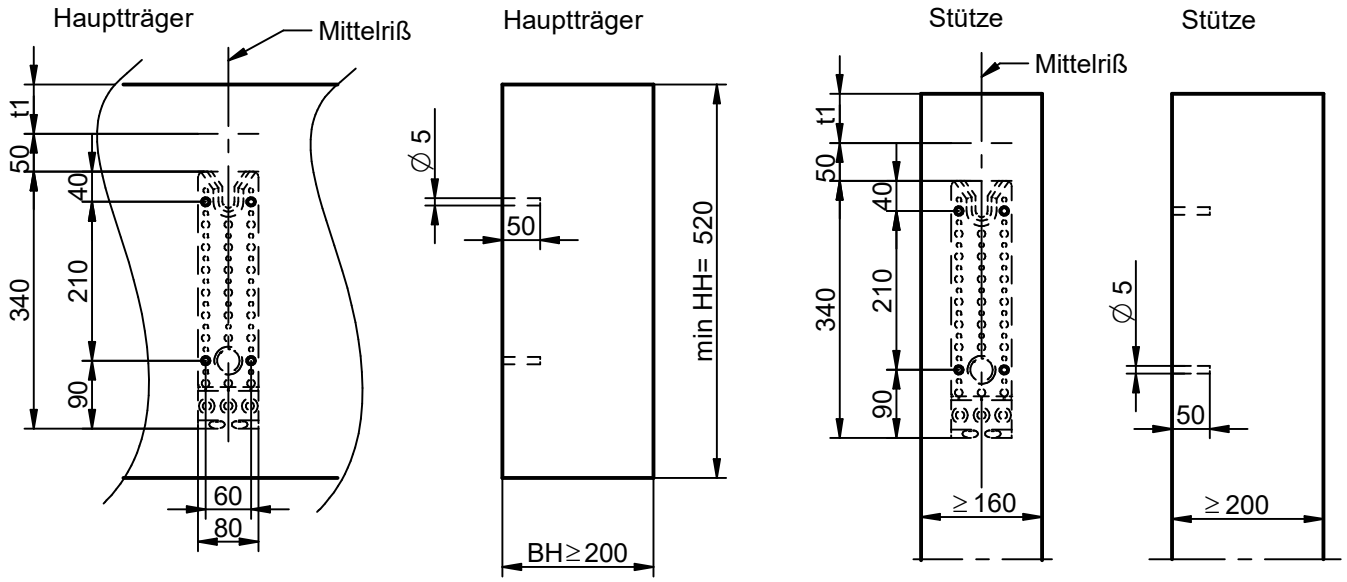
RICON® S 390/80 VS+ZP

Verschweißter Kragenbolzen + Zusatzplatte

Sichtbarer Einbau im Hauptträger/Stütze

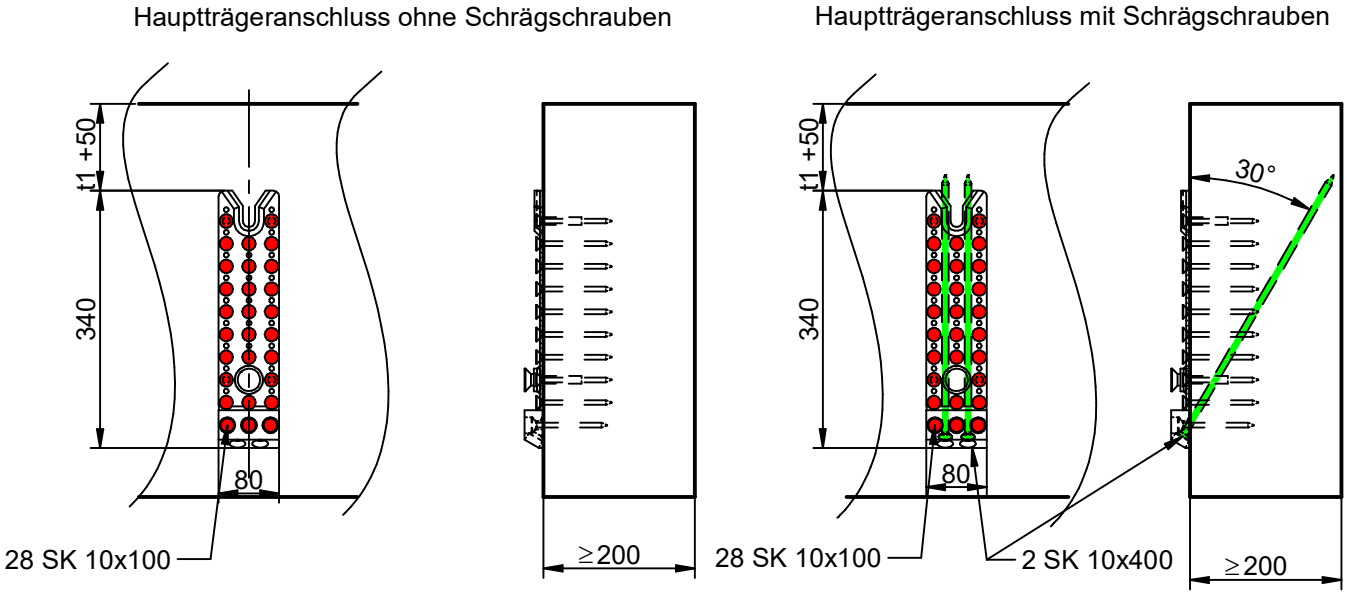
CE ETA-10/0189

1. Hauptträger und Stütze anreißen und bohren:



Abstand t1 siehe S.3

2. Verschraubung Hauptträger/Stütze



Hinweis:

Beim Hauptträger- /Stützentiefe BH < 200 mm können auch kürzere Schrägschraubenlängen < 400 mm verwendet werden ! Die Belastbarkeit des RICON S 390x80 VS+ZP muss darauf angepasst werden !

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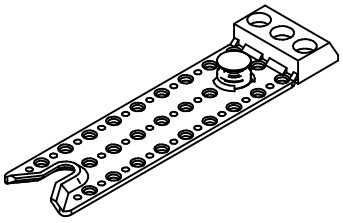


Art.-Nr. K191

Montageanleitung
RICON® S 390/80 VS+ZP

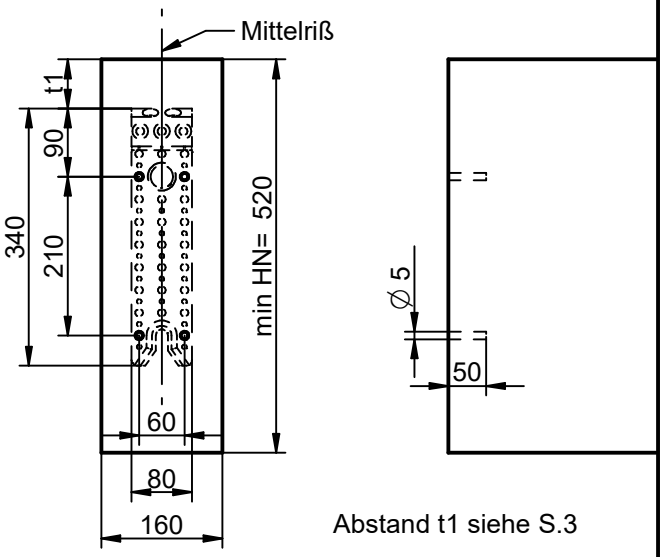
Verschweißter Kragenbolzen + Zusatzplatte

Sichtbarer/verdeckter Einbau im Nebenträger

CE ETA-10/0189

Sichtbare Montage:

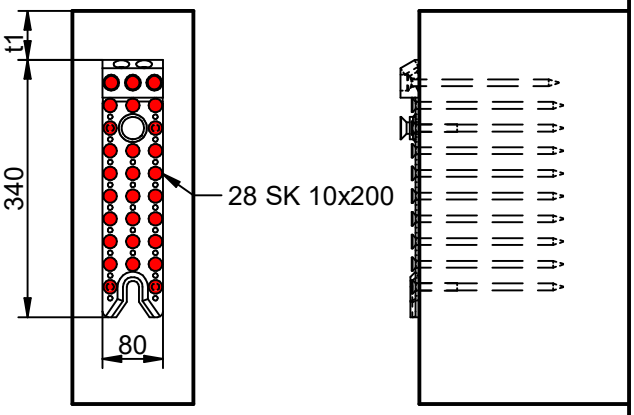
1. Nebenträger anreißen und bohren:



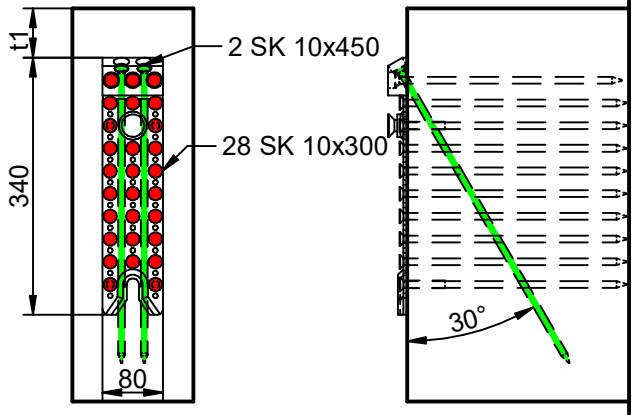
Abstand t1 siehe S.3

2. Verschraubung Nebenträger

Min. NT-Verschraubung ohne Schrägschrauben:

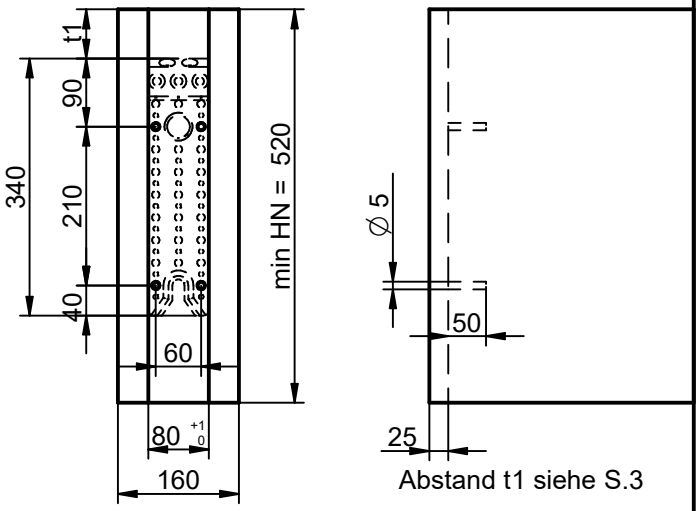


Max. NT-Verschraubung mit Schrägschrauben:



Verdeckte Montage:

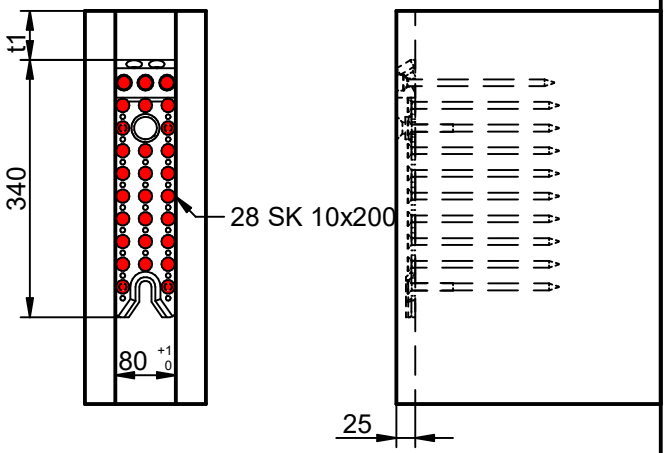
1. Nebenträger Nut fräsen anreißen und bohren:



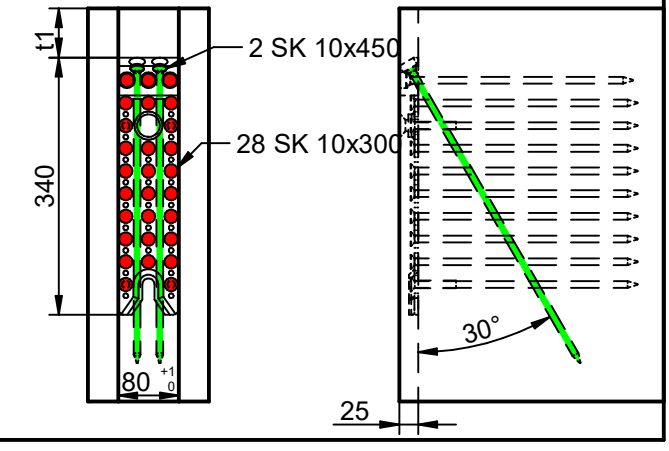
Abstand t1 siehe S.3

2. Verschraubung Nebenträger

Min. NT-Verschraubung ohne Schrägschrauben:



Max. NT-Verschraubung mit Schrägschrauben:



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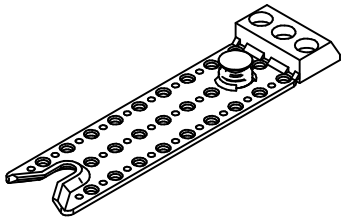


Art.-Nr. K191

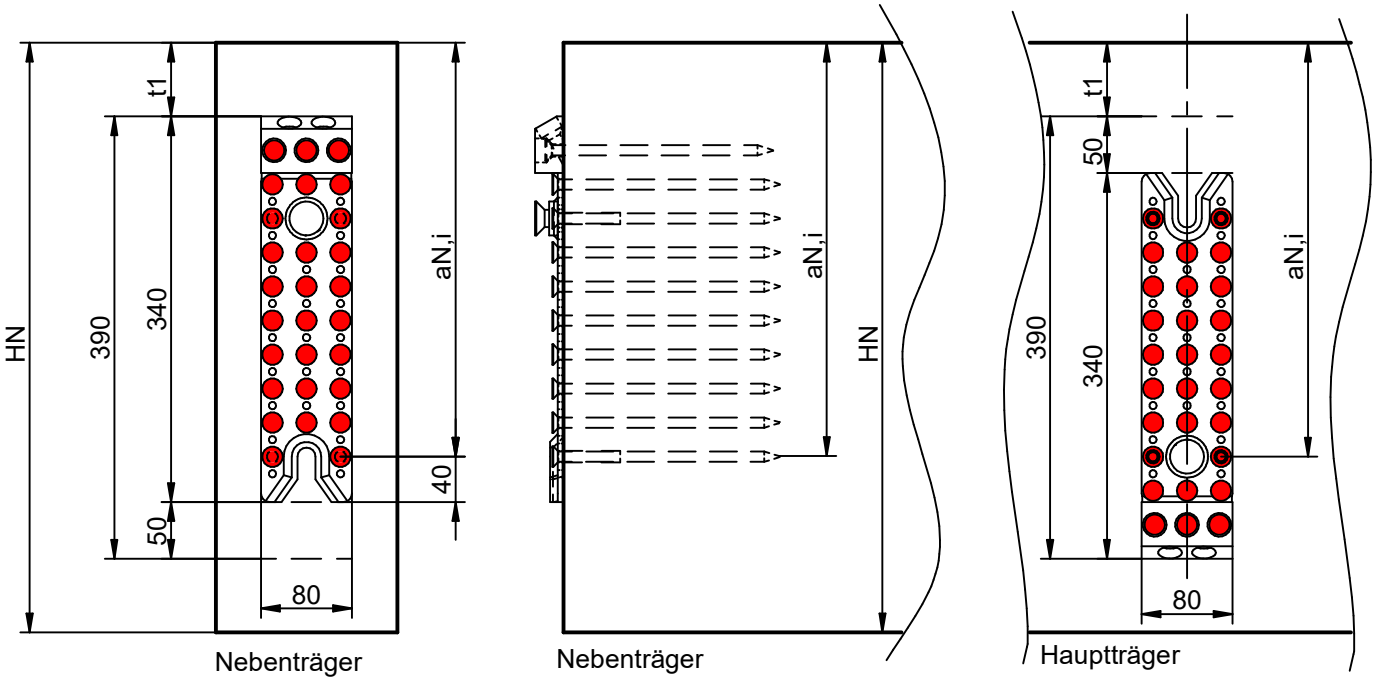
Montageanleitung

RICON® S 390/80 VS+ZP

Verschweißter Kragenbolzen + Zusatzplatte CE

Einbau im Haupt- und Nebenträger ETA-10/0189

RICON S Einbau mit Abstand t_1 in Abhängigkeit der Nebenträgerhöhe H_N:



Nebenträger-höhe H_N [mm]	Abstand t_1 [mm]	Abstand a_{Ni} [mm]	Verhältnis a_{Ni} / H_N
520	65	365	0,702
540	80	380	0,704
560	95	395	0,705
580	110	410	0,707
600	120	420	0,700
620	135	435	0,702
640	150	450	0,703
660	165	465	0,705
680	180	480	0,706
700	190	490	0,700
720	205	505	0,701
740	220	520	0,703
760	235	535	0,704
780	250	550	0,705
800	260	560	0,700
820	275	575	0,701
840	290	590	0,702
860	305	605	0,703
880	320	620	0,705
900	330	630	0,700
920	345	645	0,701
940	360	660	0,702
960	375	675	0,703
980	390	690	0,704
1000	400	700	0,700

Wenn das Verhältnis $a_{N,i}/H_N$ >0,70, dann ist nach EN 1995-1-1 und ETA 10-0189 kein zusätzlicher Querzugnachweis erforderlich. In der Tabelle links wurde dieses Verhältnis für den Abstand $a_{N,i}$ und t_1 in verschiedenen Nebenträgerhöhen dargestellt. Die Abstände t_1 und $a_{N,i}$ können wie oben dargestellt für die RICON S Montage angewendet werden !

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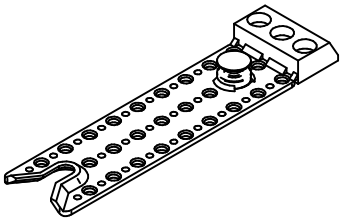


Art.-Nr. K191

Montageanleitung

RICON® S 390/80 VS+ZP

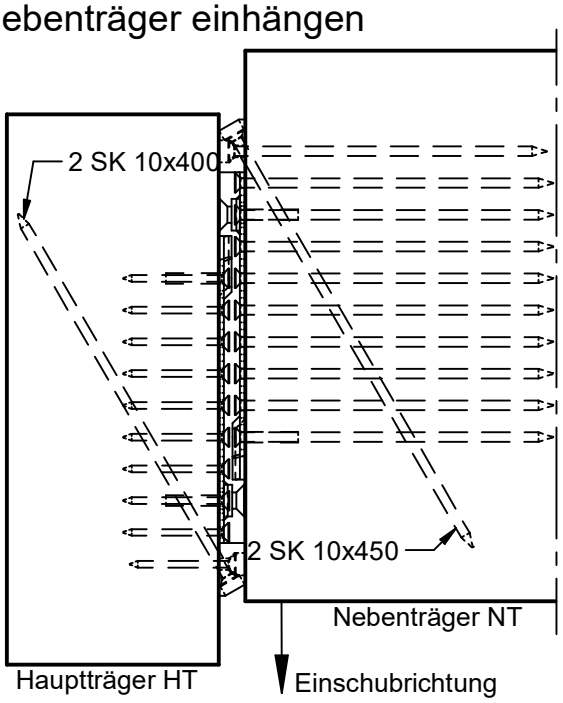
Verschweißter Kragenbolzen + Zusatzplatte

Sichtbare / verdeckte Endmontage

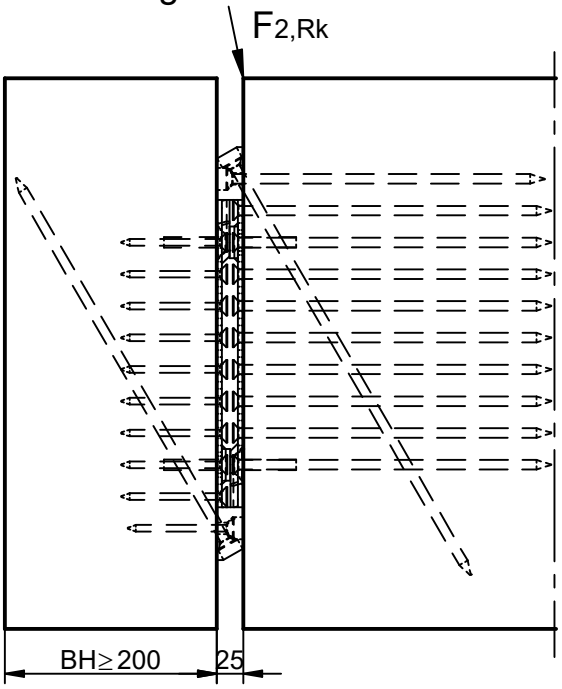
CE ETA-10/0189

Sichtbare Endmontage

1. Nebenträger einhängen

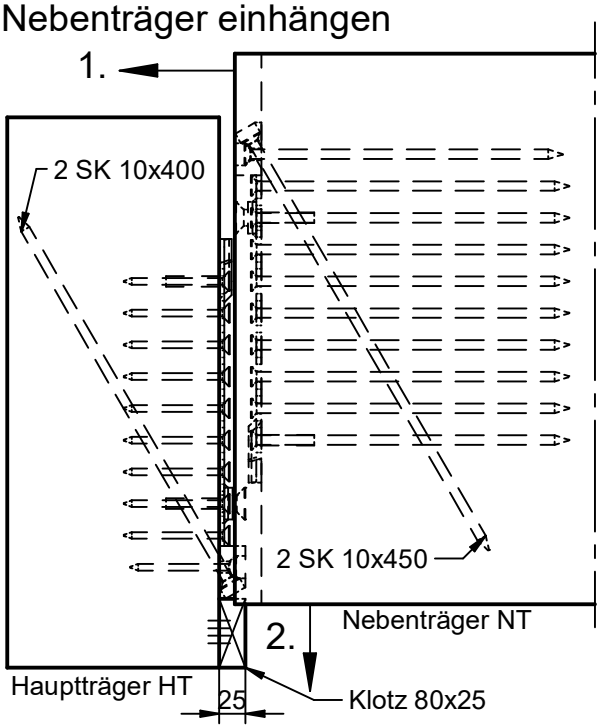


2. HT-NT fertig montiert

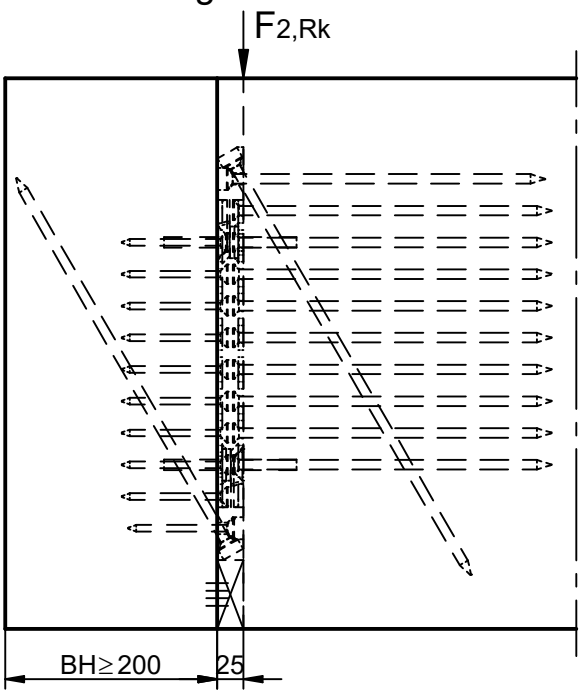


Verdeckte Endmontage

1. Nebenträger einhängen



2. HT-NT fertig montiert



Verschraubungen:

Min. Verschraubung:	HT: 28 SK 10x100; NT: 28 SK 10x200
Standard Verschraubung:	HT: 28 SK 10x100, 2 SK 10x400; NT: 28 SK 10x200, 2 SK 10x450
Max. Verschraubung:	HT: 28 SK 10x100, 2 SK 10x400; NT: 28 SK 10x300, 2 SK 10x450

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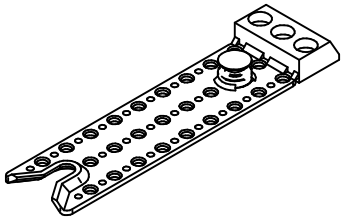


Installation instructions

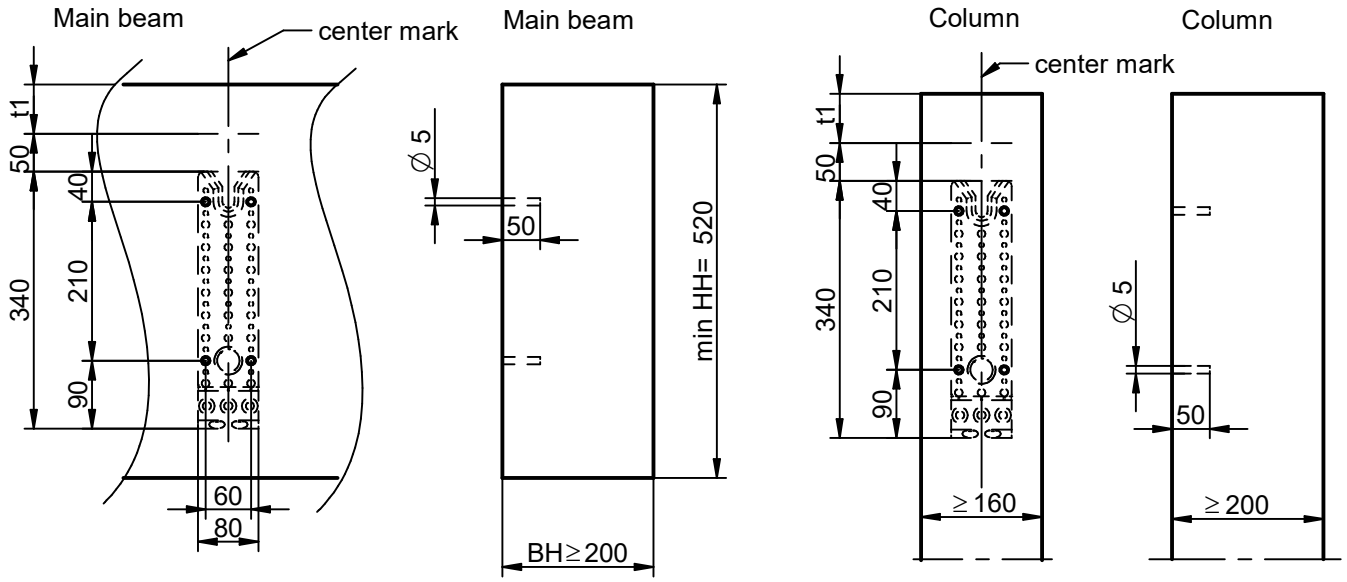
RICON® S 390/80 VS+ZP

Welded collar bolt and additional plate CE

Art.-No. K191

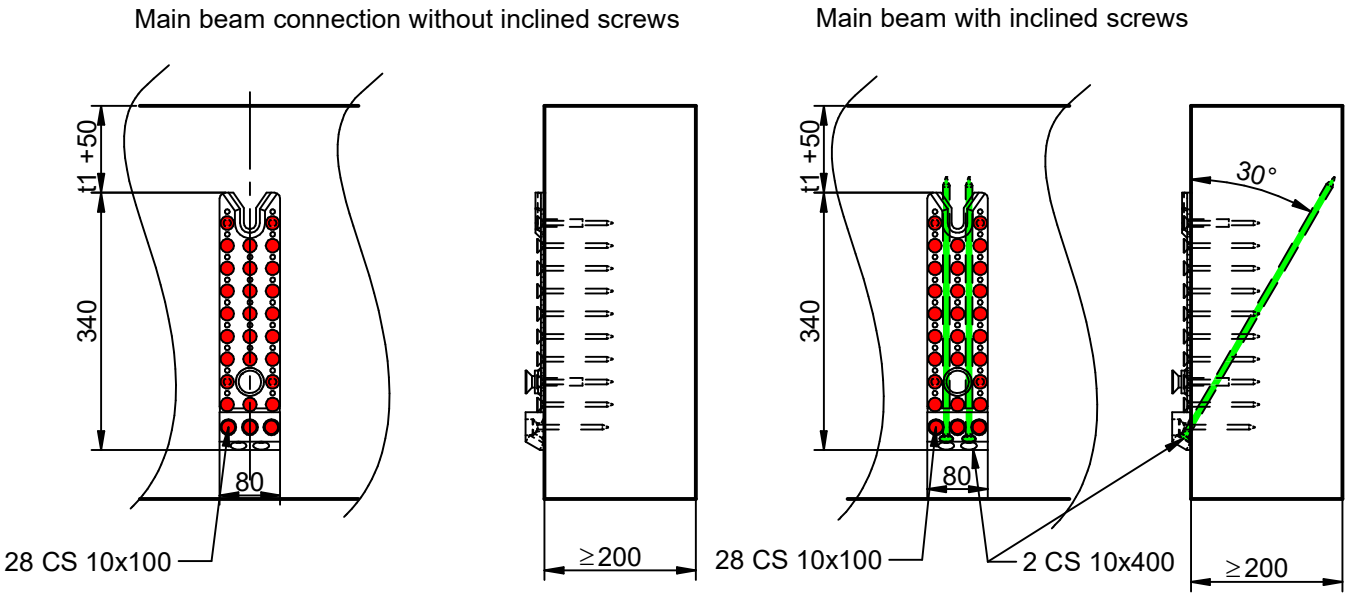
Visible installation in main beam and column ETA-10/0189

1. Mark and drill main beam and column:



Distance t1 see page 3

2. Screwing main beam and column:



Note:
For column depth BH < 200 mm shorter inclined screws L < 400 mm may be used. A qualified design professional must provide respective design adjustments !

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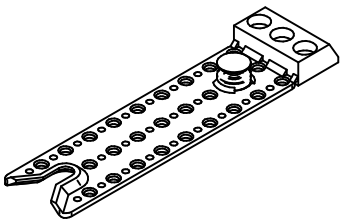


Installation instructions

RICON® S 390/80 VS+ZP

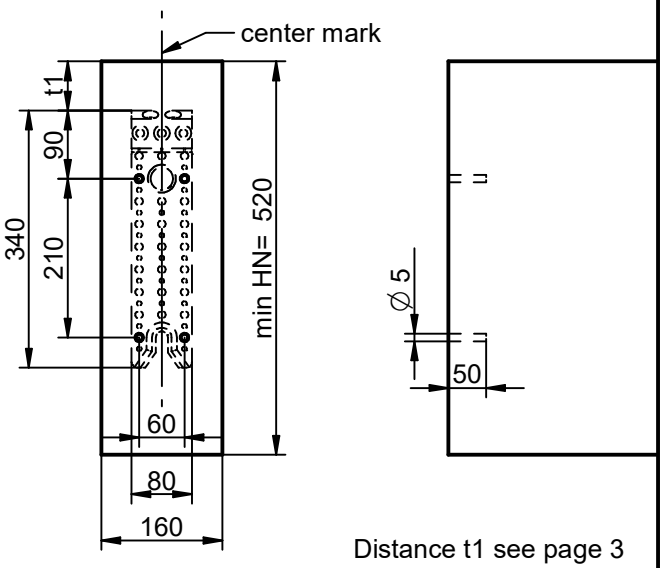
Welded collar bolt and additional plate CE

Art.-No. K191

Visible/concealed istallation in secondary beam ETA-10/0189

Visible Installation:

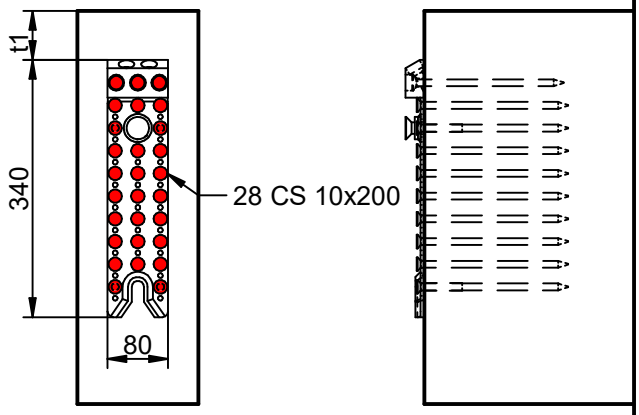
1. Mark and drill secondary beam:



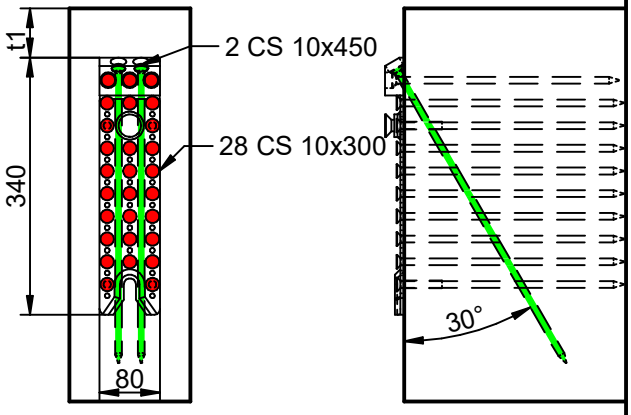
Distance t1 see page 3

2. Screwing secondary beam

Min. screwing in secondary beam with inclined screws:

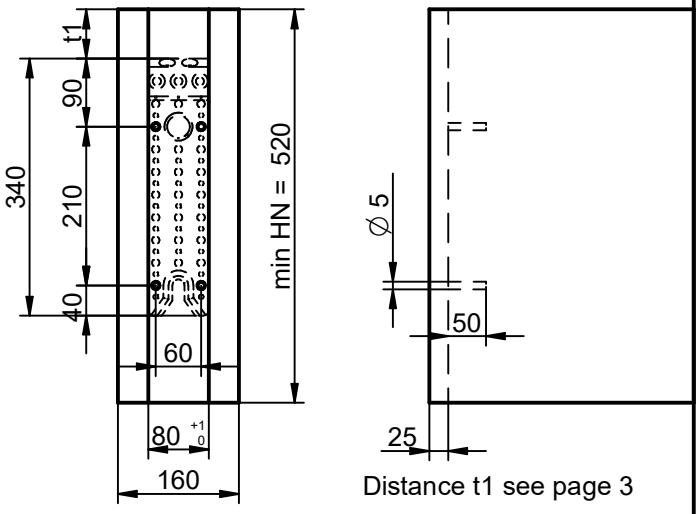


Max. screwing in secondary beam with inclined screws:



Concealed Installation:

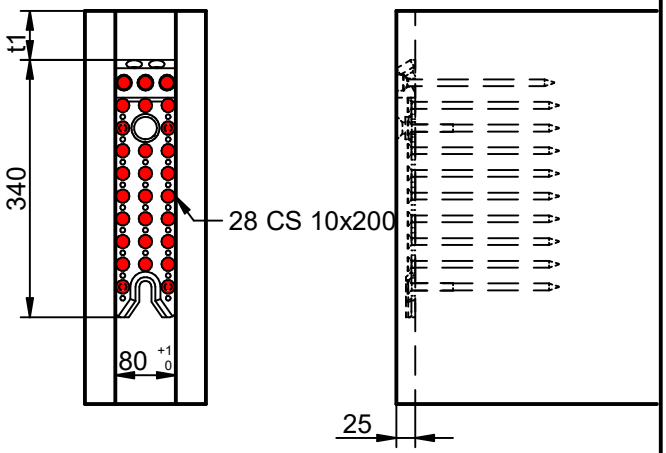
1. Milling housing, mark and drill secondary beam:



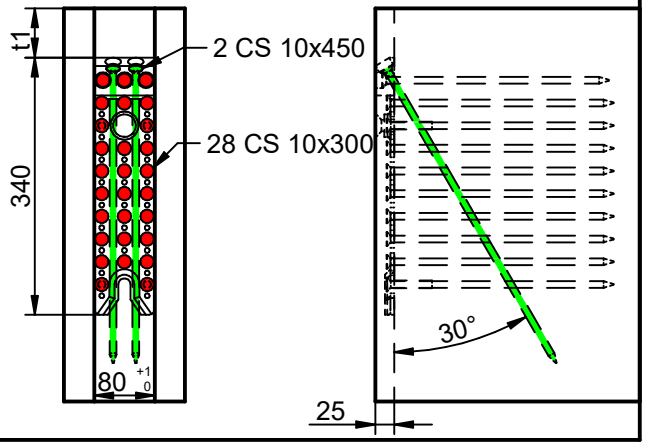
Distance t1 see page 3

2. Screwing secondary beam

Min. screwing in secondary beam without inclined screws:



Max. screwing in secondary beam without inclined screws:



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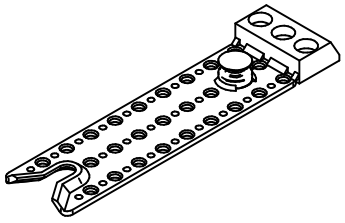


Installation instructions

RICON® S 390/80 VS+ZP

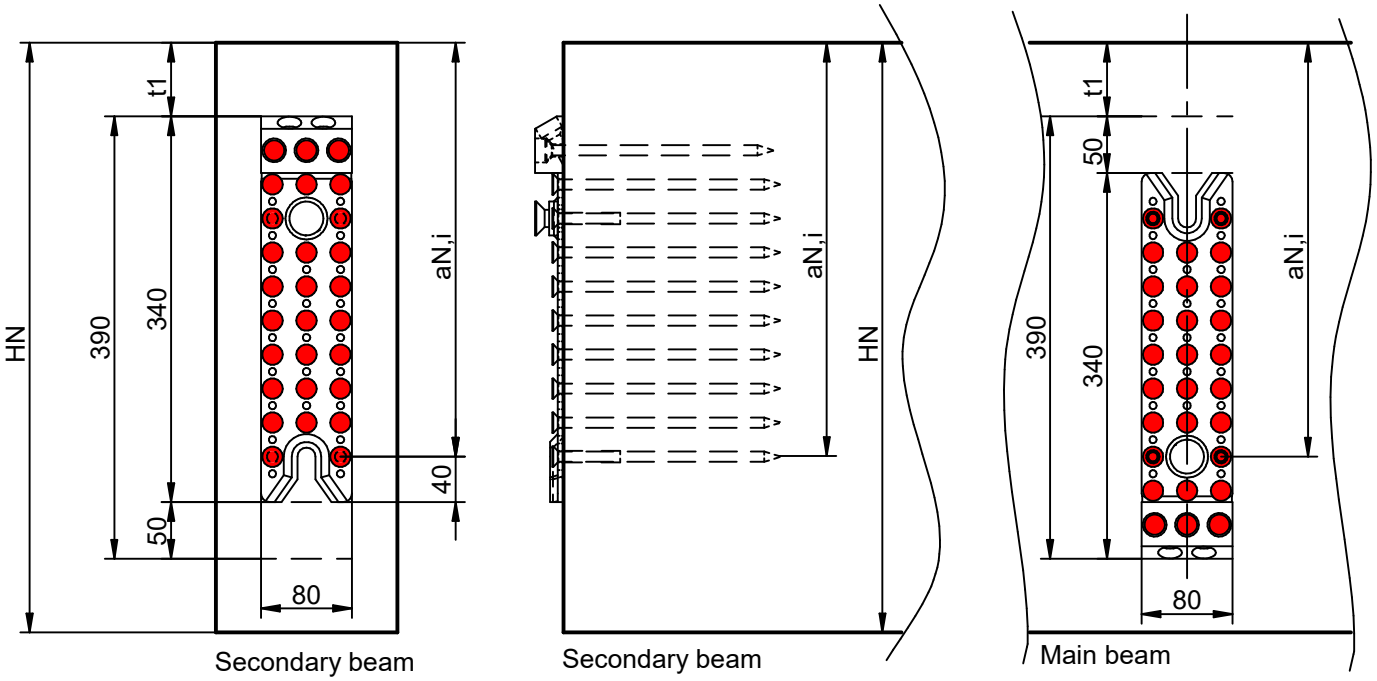
Welded collar bolt and additional plate

CE ETA-10/0189

Art.-No. K191

Installation in main- and secondary beam

RICON S installation with distance t_1 depending on the secondary beam height H_N:



Secondary beam height H_N [mm]	Distance t_1 [mm]	Distance a_{Ni} [mm]	Ratio a_{Ni} / H_N
520	65	365	0,702
540	80	380	0,704
560	95	395	0,705
580	110	410	0,707
600	120	420	0,700
620	135	435	0,702
640	150	450	0,703
660	165	465	0,705
680	180	480	0,706
700	190	490	0,700
720	205	505	0,701
740	220	520	0,703
760	235	535	0,704
780	250	550	0,705
800	260	560	0,700
820	275	575	0,701
840	290	590	0,702
860	305	605	0,703
880	320	620	0,705
900	330	630	0,700
920	345	645	0,701
940	360	660	0,702
960	375	675	0,703
980	390	690	0,704
1000	400	700	0,700

In cases where ratio $a_{N,i}/H_N$ >0,70, no radial tension reinforcing in accordance with EN 1995-1-1 and ETA 10-0189 is required. Refer top the table on the left for pre calculated values. Distance t_1 and $a_{N,i}$ can be applied to RICON S install as indicated above.

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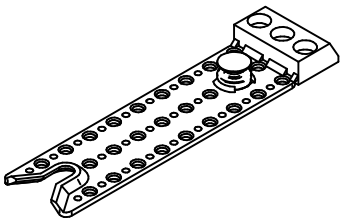


Installation instructions

RICON® S 390/80 VS+ZP

Welded collar bolt and additional plate

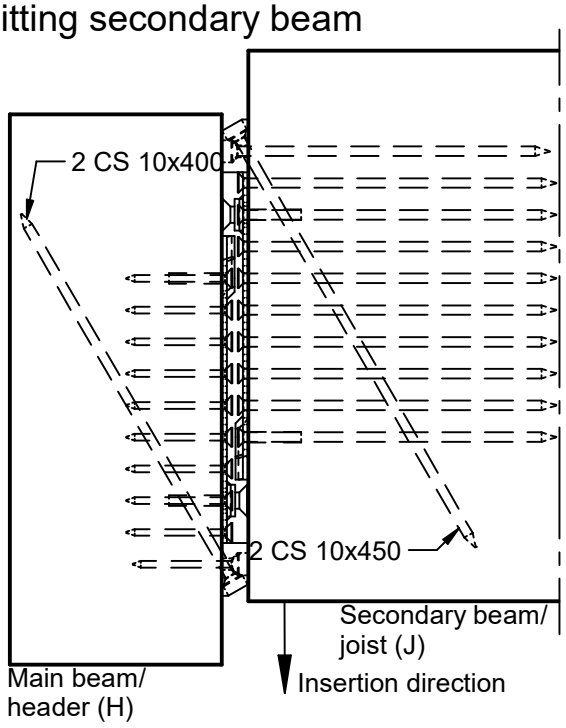
CE ETA-10/0189

Art.-No. K191

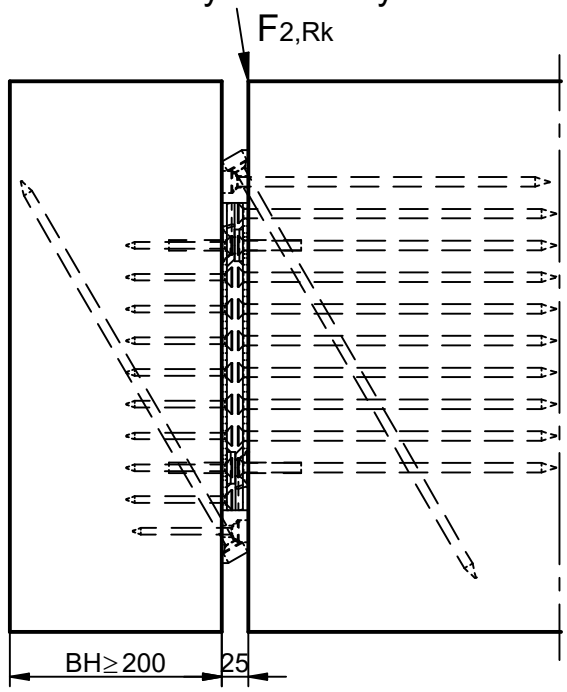
Visible/concealed final assembly

Visible final assembly

1. Fitting secondary beam

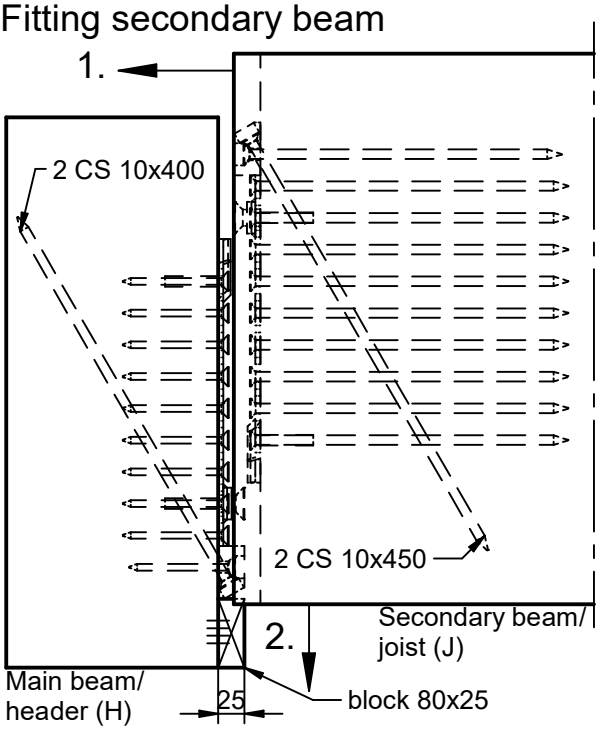


2. Main-secondary beam fully assembled

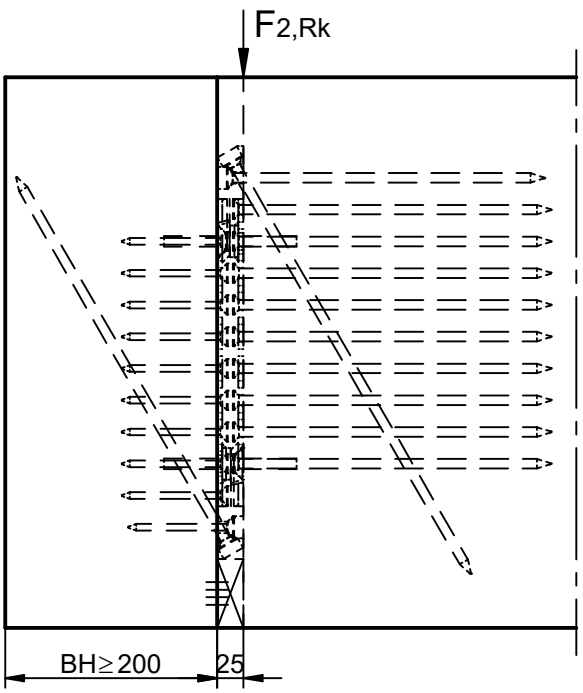


Concealed final assembly

1. Fitting secondary beam



2. Main-secondary beam fully assembled



Screwings:

Min. screwing:	H: 28 CS 10x100; J: 28 SK 10x200
Standard screwing:	H: 28 CS 10x100, 2 CS 10x400; J: 28 CS 10x200, 2 CS 10x450
Max. screwing:	H: 28 CS 10x100, 2 CS 10x400; J: 28 CS 10x300, 2 CS 10x450

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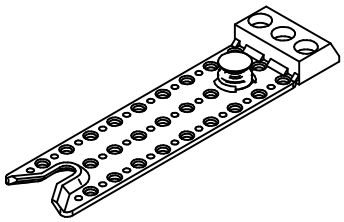


Notice de montage

RICON® S 390/80 VS+ZP

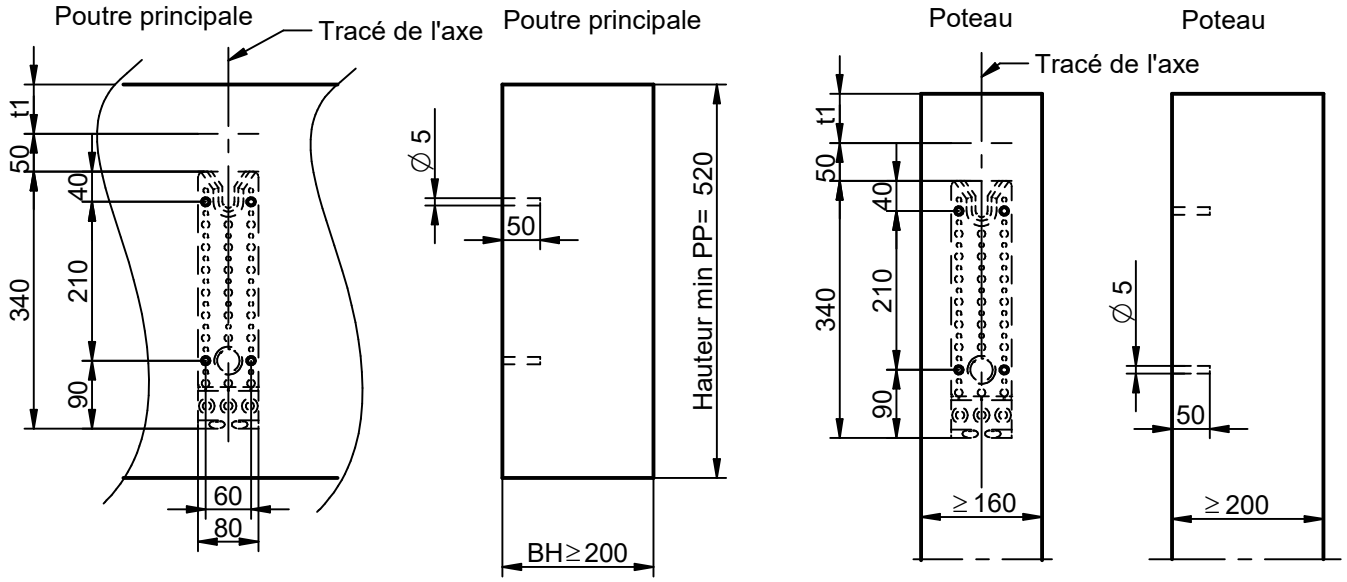
Pièce d'accroche soudée + talon de renfort

Réf. **K191**

Montage en applique sur poutre principale/poteau

CE ETA-10/0189

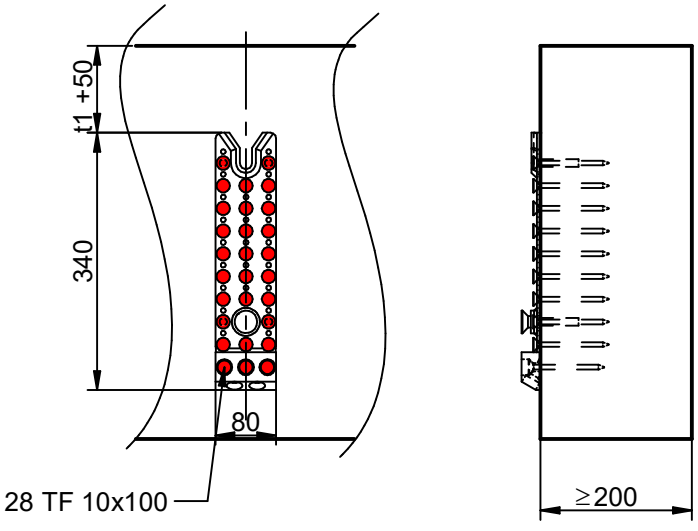
1. Pointer et percer la poutre principale ou le poteau :



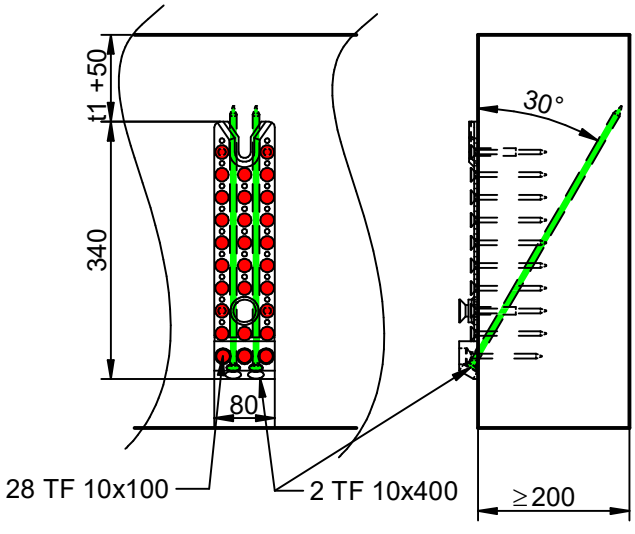
Distance t1 cf. Page 3

2. Réaliser le vissage sur la poutre principale/poteau

Mise en œuvre sans vissage biais :



Mise en œuvre avec vissage biais :



Pour les poutres principales/poteaux avec BH < 200 mm il est également possible d'utiliser des vis biais plus courtes < 400 mm !

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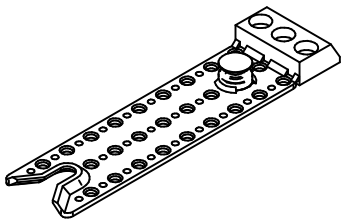


Réf. **K191**

Notice de montage
RICON® S 390/80 VS+ZP

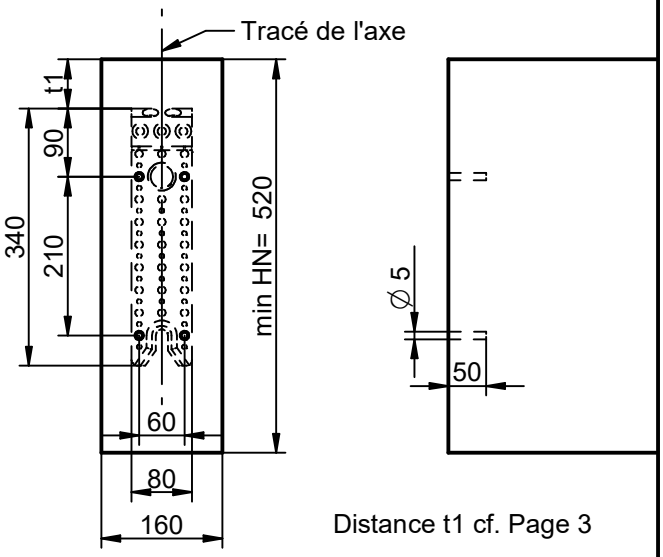
Pièce d'accroche soudée + talon de renfort

Montage en applique ou encastré sur poutre secondaire

CE
ETA-10/0189

Montage en applique :

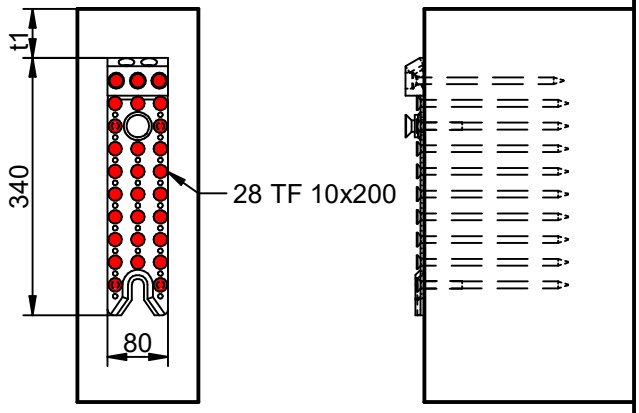
1. Pointer et percer la poutre secondaire:



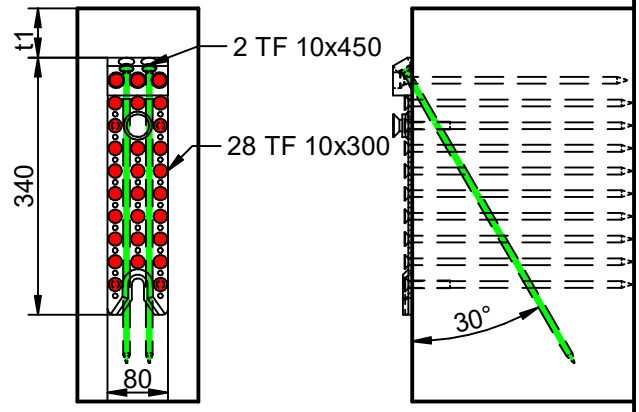
Distance t1 cf. Page 3

2. Réaliser le vissage sur la poutre secondaire:

Mise en œuvre sans vissage biais (min) :

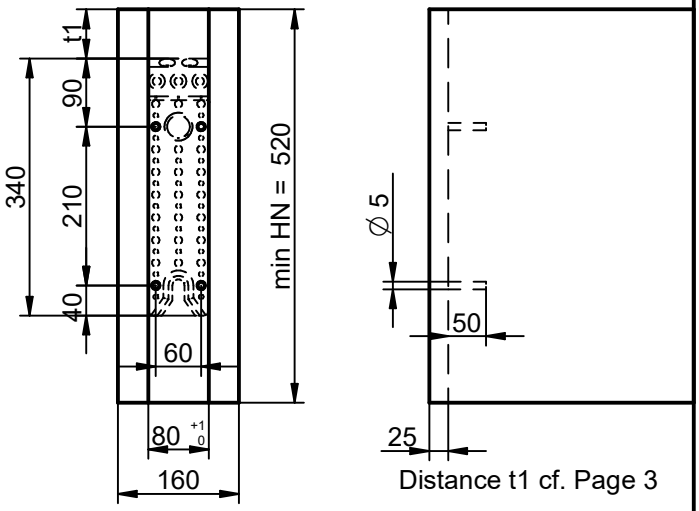


Mise en œuvre avec vissage biais (max) :



Montage encastré :

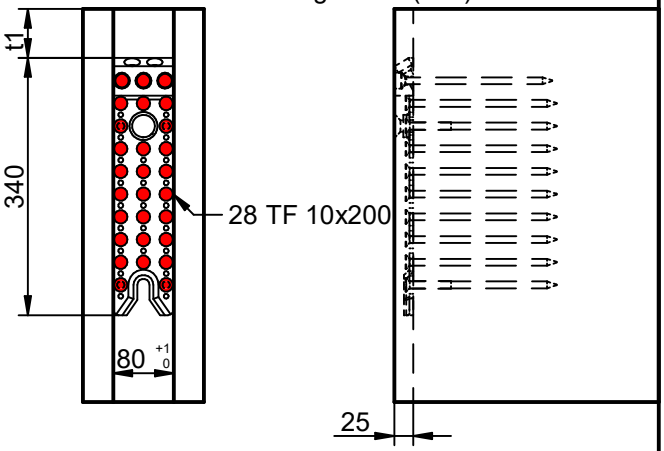
1. Rainurer, pointer et percer la poutre secondaire:



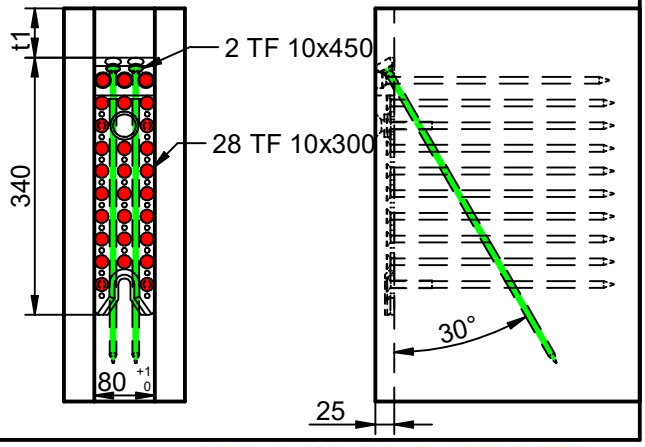
Distance t1 cf. Page 3

2. Réaliser le vissage sur la poutre secondaire:

Mise en œuvre sans vissage biais (min) :



Mise en œuvre avec vissage biais (max) :



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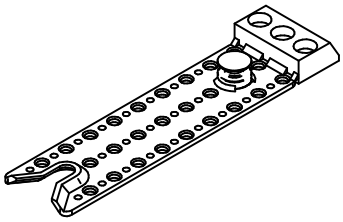


Notice de montage

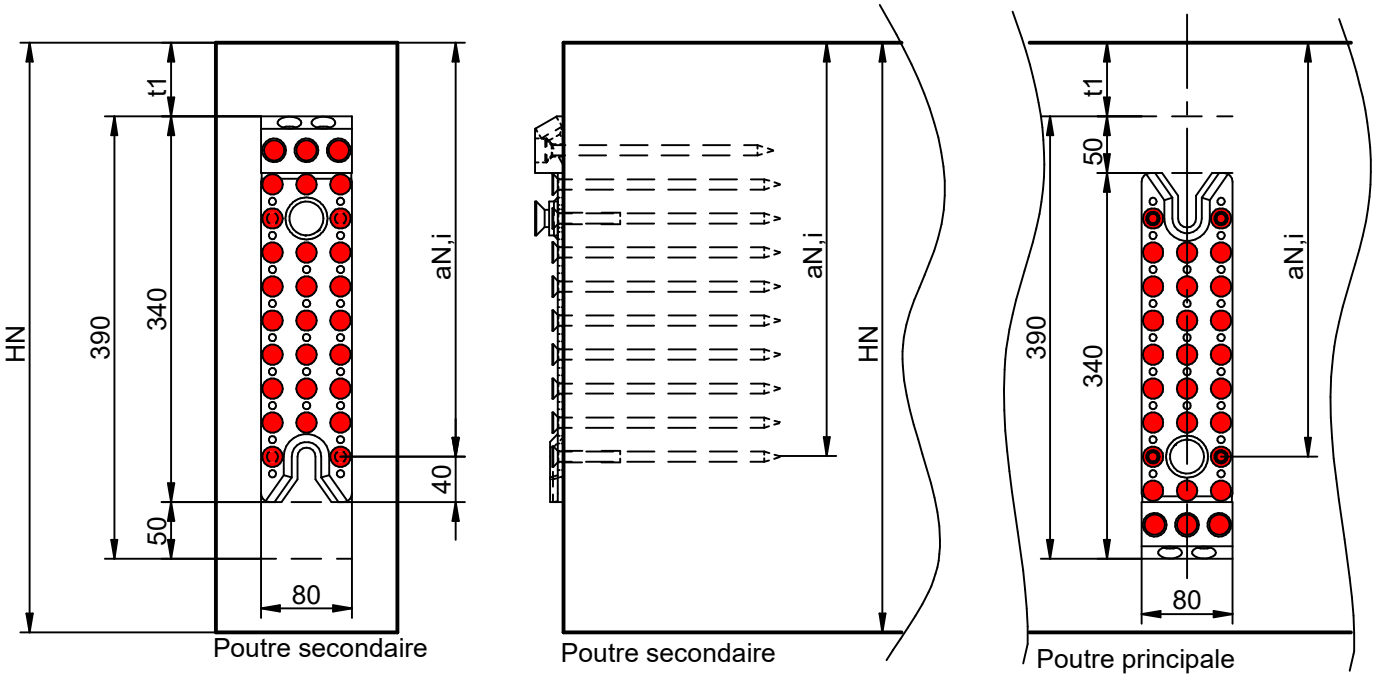
RICON® S 390/80 VS+ZP

Pièce d'accroche soudée + talon de renfort

Réf. **K191** Positionnement sur poutre principale et secondaire

CE ETA-10/0189

Positionnement de RICON S avec distance t_1 en fonction de la hauteur de la poutre secondaire P.S. :



Hauteur P.S.	Distance t_1	Distance a_{Ni}	Rapport
H_N [mm]	[mm]	[mm]	a_{Ni} / H_N
520	65	365	0,702
540	80	380	0,704
560	95	395	0,705
580	110	410	0,707
600	120	420	0,700
620	135	435	0,702
640	150	450	0,703
660	165	465	0,705
680	180	480	0,706
700	190	490	0,700
720	205	505	0,701
740	220	520	0,703
760	235	535	0,704
780	250	550	0,705
800	260	560	0,700
820	275	575	0,701
840	290	590	0,702
860	305	605	0,703
880	320	620	0,705
900	330	630	0,700
920	345	645	0,701
940	360	660	0,702
960	375	675	0,703
980	390	690	0,704
1000	400	700	0,700

Dans le cas ou le rapport $a_{N,i}/H_N > 0{,}70$, aucun vissage de renfort transversal n'est requit, conformément à EN 1995-1-1 et ETA 10-0189. Le tableau de gauche indique en fonction de ce rapport, les distances idéales $a_{N,i}$ et t_1 suivant la hauteur de la poutre secondaire. Ces distances t_1 et aN,i sont à prendre en compte pour le positionnement de RICON S !

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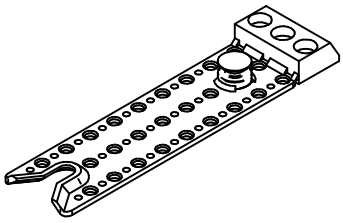


Notice de montage

RICON® S 390/80 VS+ZP

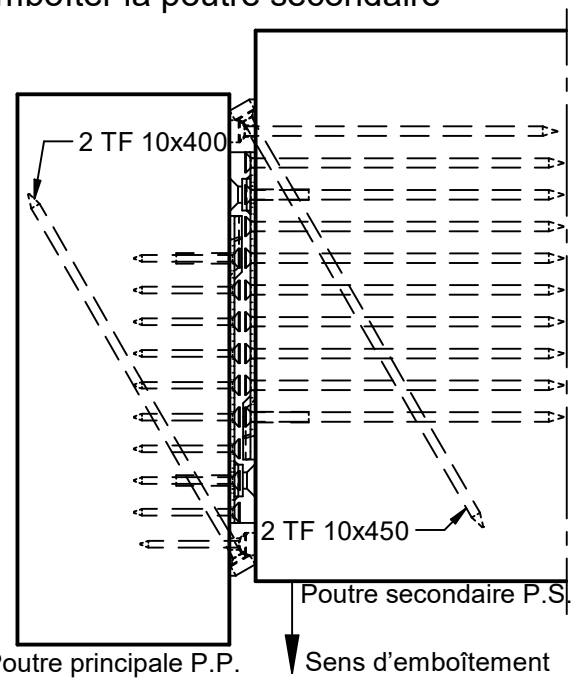
Pièce d'accroche soudée + talon de renfort

CE ETA-10/0189

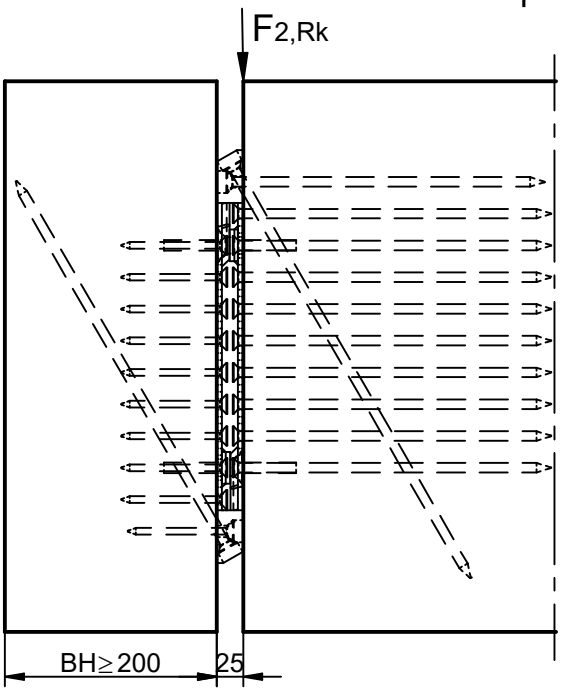
Réf. **K191** Emboitement final connecteur en applique ou encastré

Emboitement final connecteur en applique ou encastré :

1. Emboîter la poutre secondaire

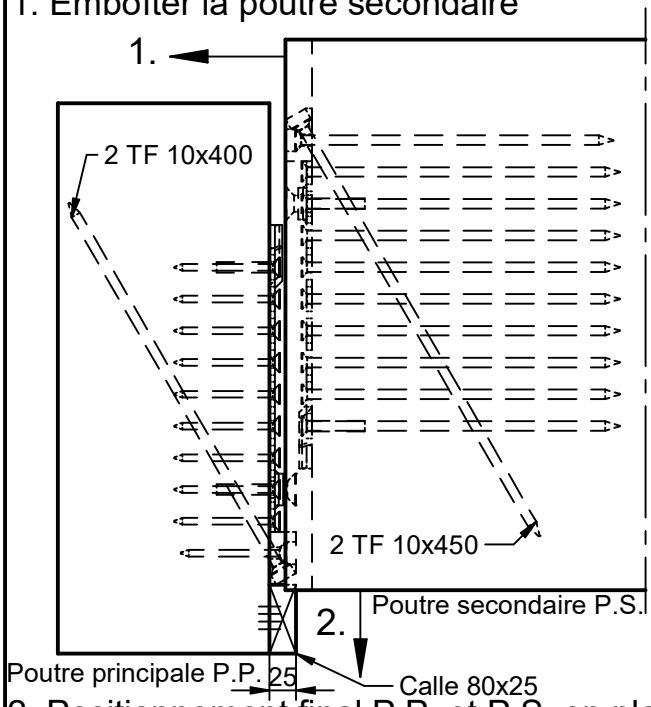


2. Positionnement final P.P. et P.S. en place

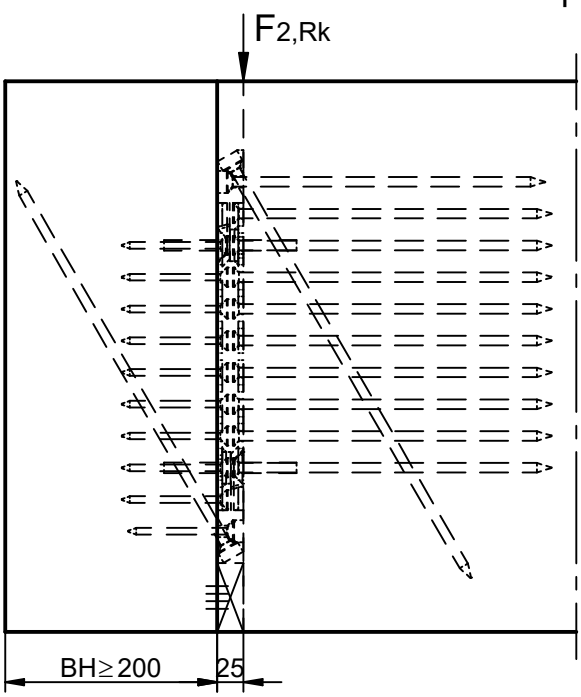


Emboîtement final connecteur encastré (invisible) :

1. Emboîter la poutre secondaire



2. Positionnement final P.P. et P.S. en place



Vissage:

Vissage minimum:	P.P.: 28 TF 10x100; P.S.: 28 TF 10x200
Vissage standard :	P.P.: 28 TF 10x100, 2 TF 10x400; P.S.: 28 TF 10x200, 2 TF 10x450
Vissage maximum. :	P.P.: 28 TF 10x100, 2 TF 10x400; P.S.: 28 TF 10x300, 2 TF 10x450

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