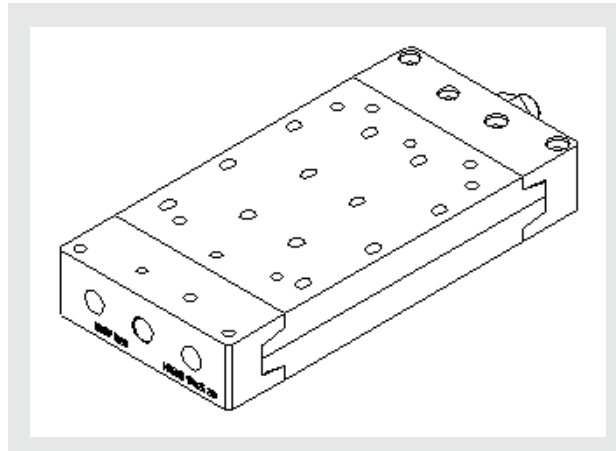


Montageanleitung

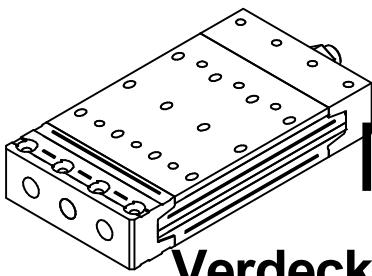
Construction Manual

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Art.-Nr.

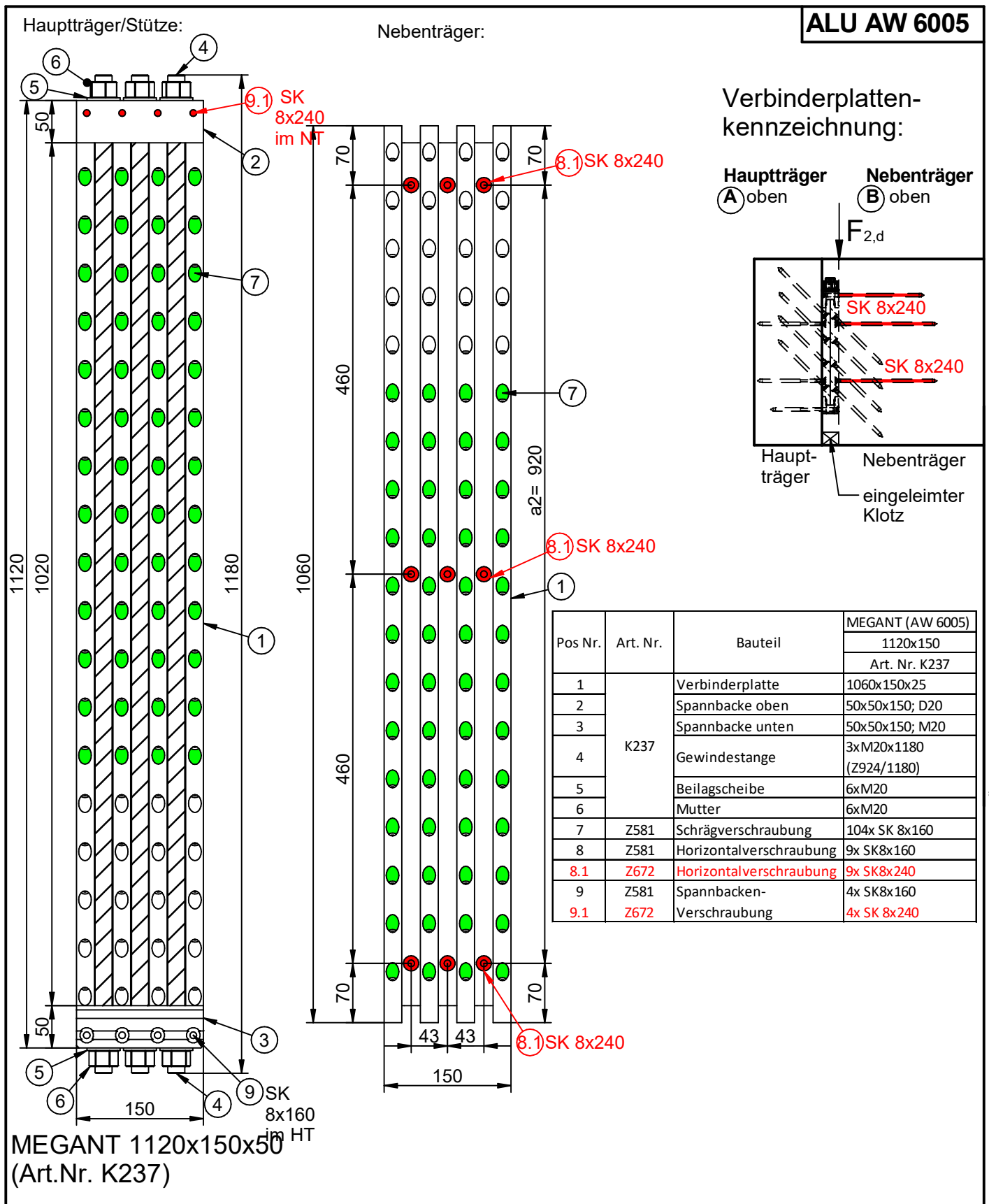


Montageanleitung

MEGANT® 1120x150 x50

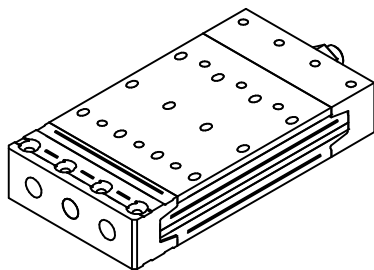
Verdeckter Einbau

Übersicht Standardgröße



Diese Zeichnung ist Eigentum der KNAPP GmbH

© Knapp GmbH. Alle Maße in mm - Irrtümer, Druckfehler und Änderungen vorbehalten / all measures in mm - Errors excepted. VERSION 01 04.09.2018

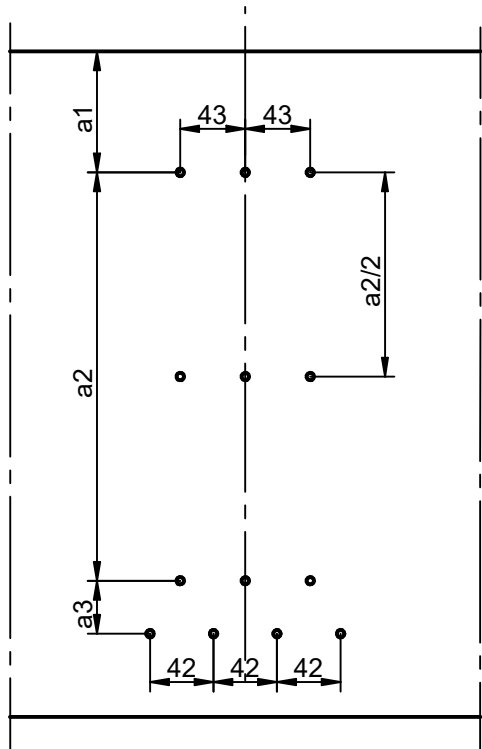


MEGANT® 150

Bohrbild verdeckt mittiger Einbau

Positionierbohrungen im Hauptträger erstellen !

ALU AW 6005

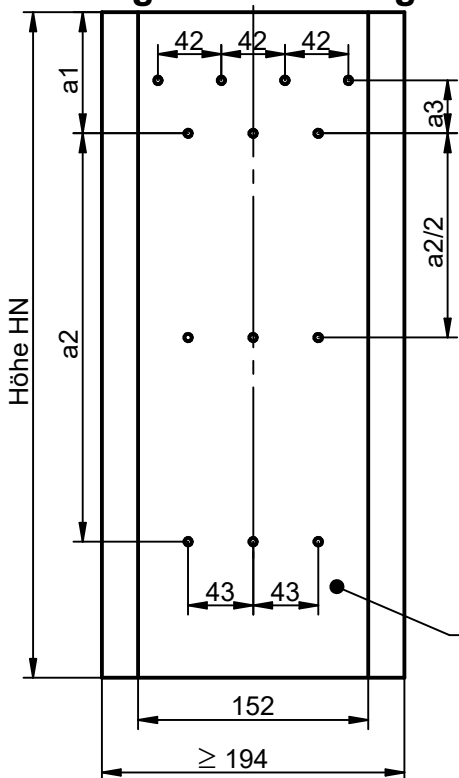


Nadelholz NH:
13x Bohrungen
Ø 5mm,
Tiefe 30 mm

Laubholz LH:
13x Bohrungen
Ø 6mm,
Tiefe Schrauben-
länge~120 mm

Bohrmaße bei aufgeschraubten sichtbaren Einbau		
Neben-träger Höhe H_N [mm]	Bohrabstände a1 in Abhängigkeit der Nebenträgerhöhe H_N	
	MEGANT® 1060x150	MEGANT® 1120x150
1200	170	
1240	190	
1280	210	180
1320	230	200
1360	250	220
1400	270	240
1440	290	260
1480	310	280
1520	330	300
1560	350	320
1600	370	340
1640	390	360
1680	410	380
1720	430	400
1760	450	420
1800	470	440
1840	490	460
1880	510	480
1920	530	500
1960	550	520
2000	570	540

Positionierbohrungen für mittige Montage im Nebenträger erstellen !



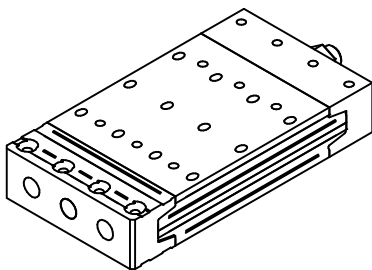
Nadelholz NH:
13x Bohrungen
Ø 5mm,
Tiefe 30 mm

Laubholz LH:
13x Bohrungen
Ø 6mm,
Tiefe Schrauben-
länge~120 mm

Ausfrästiefe 50 mm

Abstände	MEGANT® 1060x150	MEGANT® 1120x150
a2 [mm]	860	920
a3 [mm]	85	85

MEGANT® Anreißschablonen in jeder Größe für die Horizontalbohrungen bei KNAPP® auf Anfrage erhältlich

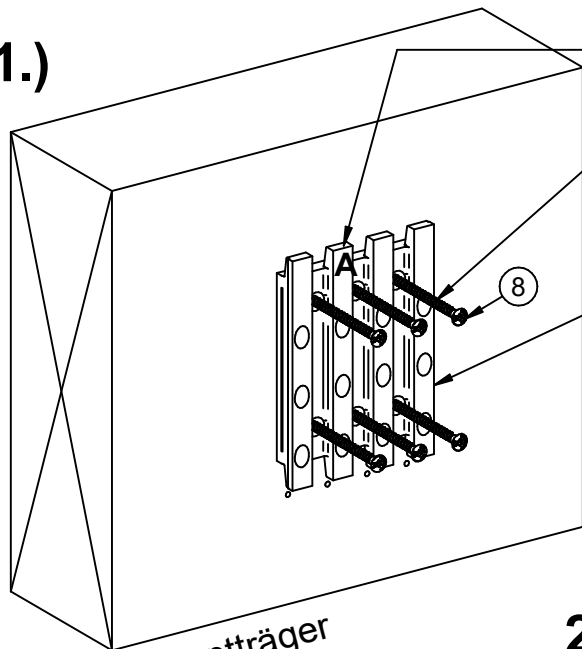


MEGANT® 150

MEGANT mit Hauptträger verschrauben

ALU AW 6005

1.)



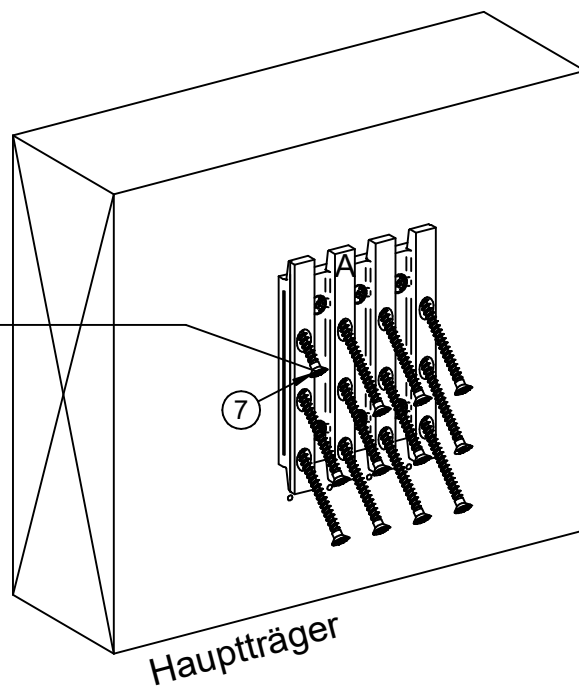
Ⓐ Plattenkennzeichnung
beim Hauptträger oben !

Horizontalschrauben 8 in
Positionsbohrungen eindrehen

Verbinderplatte 1

Hauptträger

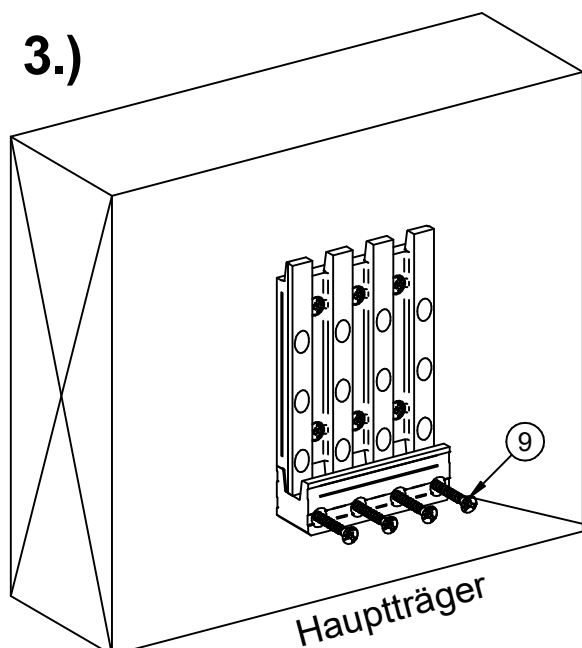
2.)



Schrägschrauben 7 in
Verbinderplatte 1 von
oben reihenweise eindrehen
max. Anzugsdrehmoment
Mt = 20 Nm
(Auf festen Sitz achten)

Hauptträger

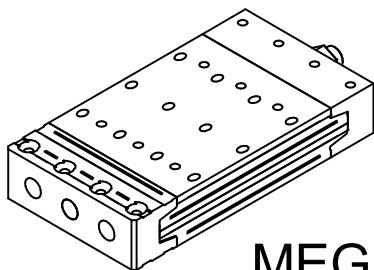
3.)



Für Hauptträger aus **Laubholz** werden
SK 8x120 Schrauben i.d.R. verwendet.

Spannbacke 3 unten in
Positionsbohrungen
mit Horizontalschrauben 9
schrauben

Hauptträger

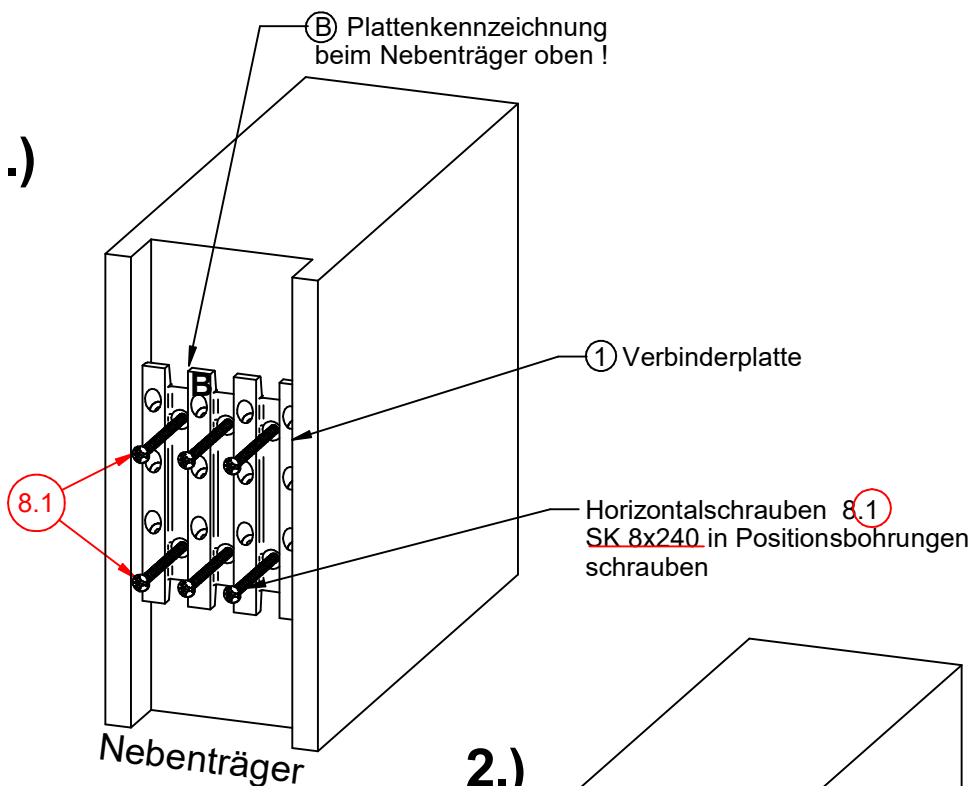


MEGANT® 150

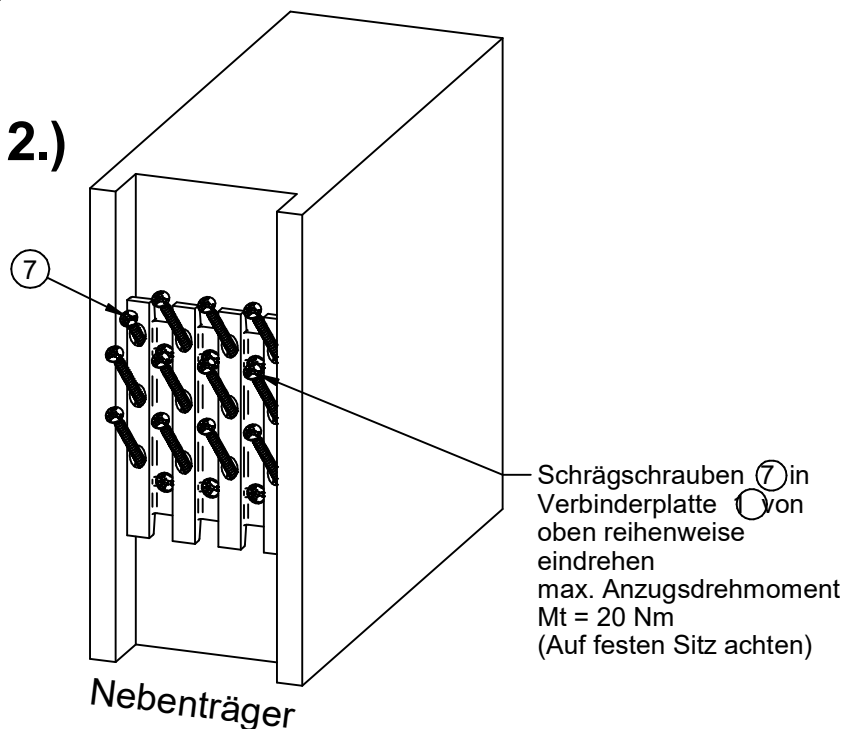
MEGANT verdeckt mit Nebenträger verschrauben

ALU AW 6005

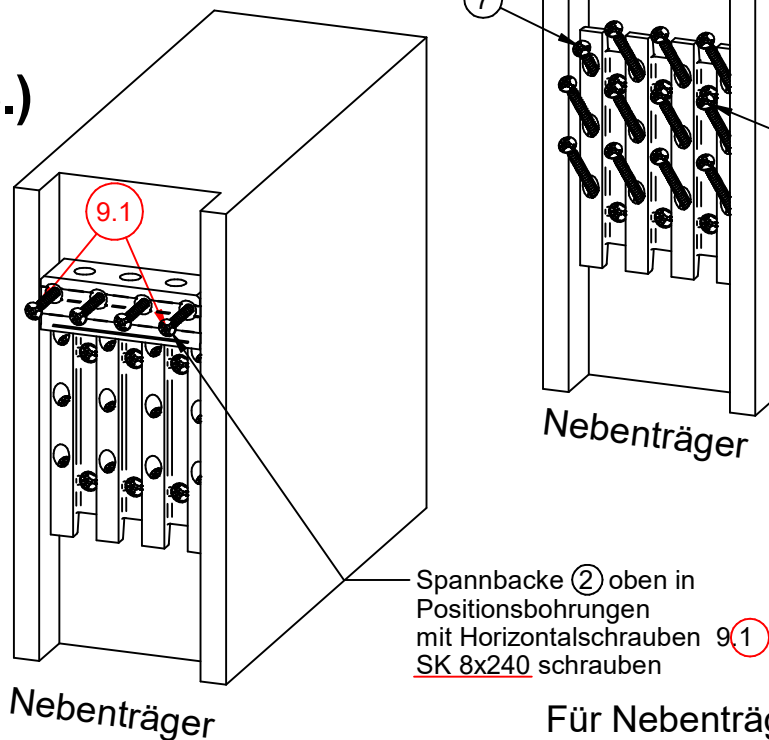
1.)



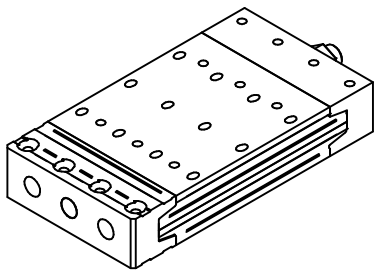
2.)



3.)



Für Nebenträger aus **Laubholz** werden
SK 8x120 Schrauben i.d.R. verwendet.

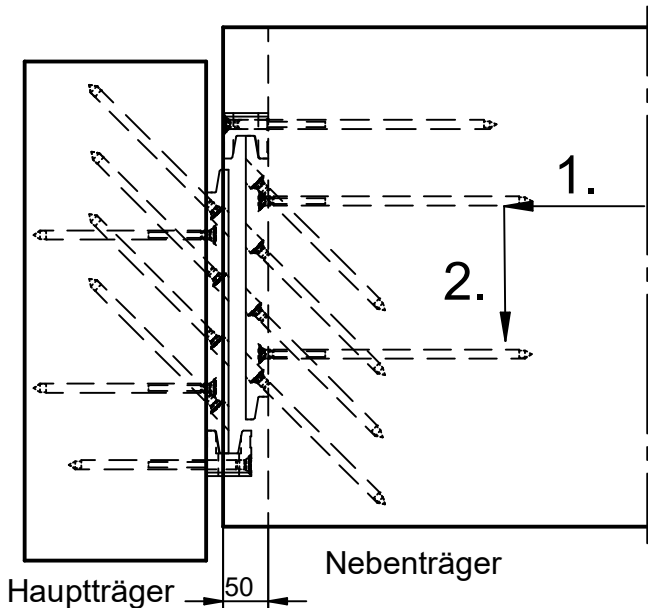


MEGANT® 150

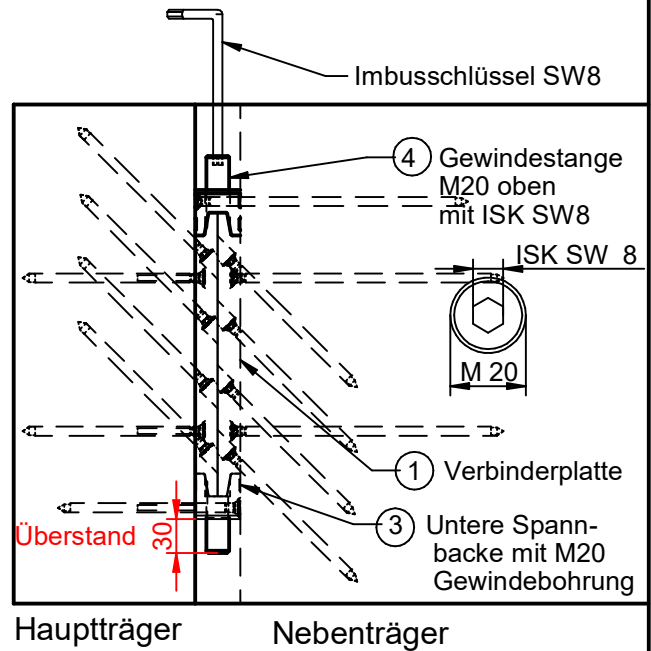
Ablauf verdeckter Montage

ALU AW 6005

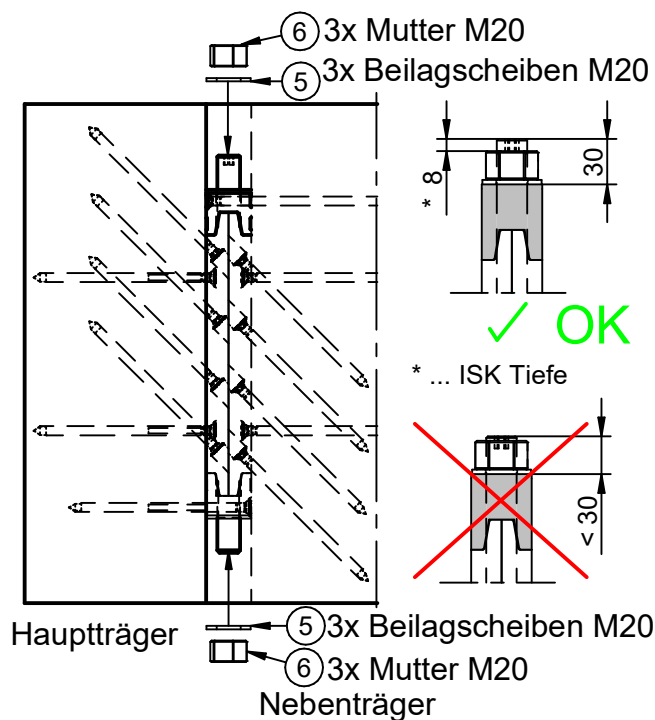
1. Nebenträger einhängen



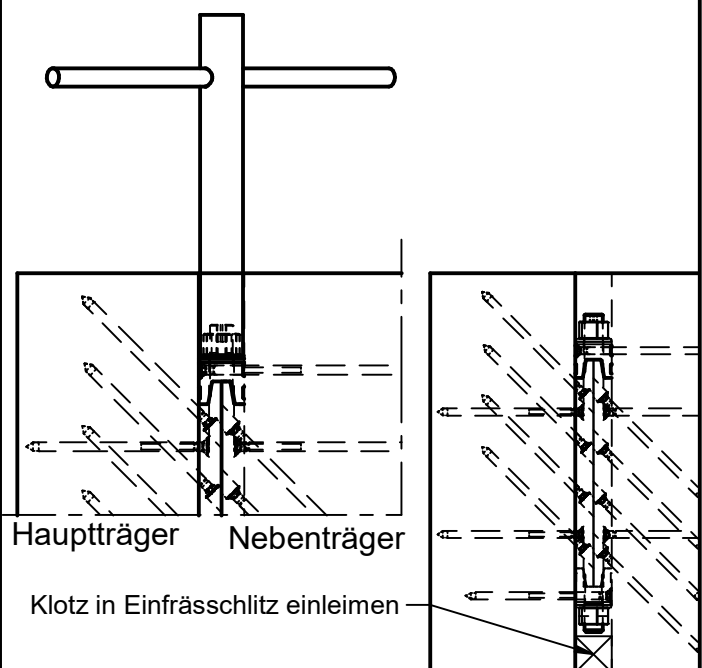
2. Gewindestange ④ (M20) in untere Spannbacke ③ mit 30 mm Abstand eindrehen



3. Beilagscheibe und Mutter M20 oben und unten aufsetzen



4. M20 Mutter mit Steckschlüssel (SW30) oben und unten mit 40 Nm festziehen !





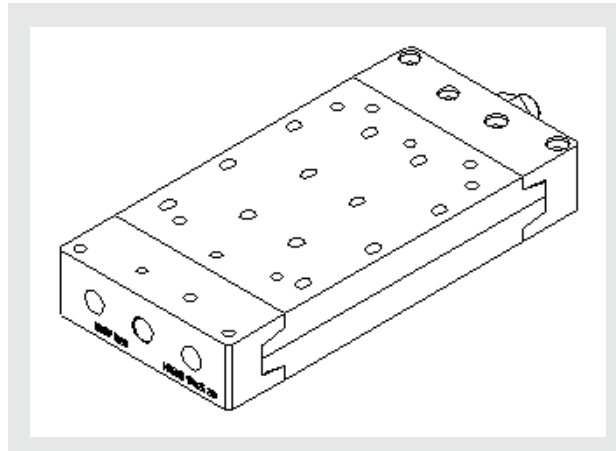
Knapp GmbH ■ Wassergasse 31 ■ A-3324 Euratsfeld ■ Tel.: +43 (0)7474 / 799 10 ■ Fax: +43 (0)7474 / 799 10 99
Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale 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

Montageanleitung

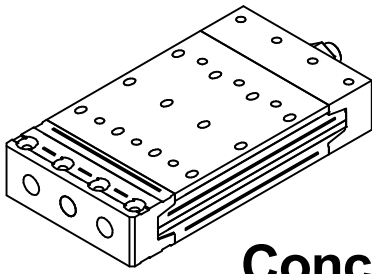
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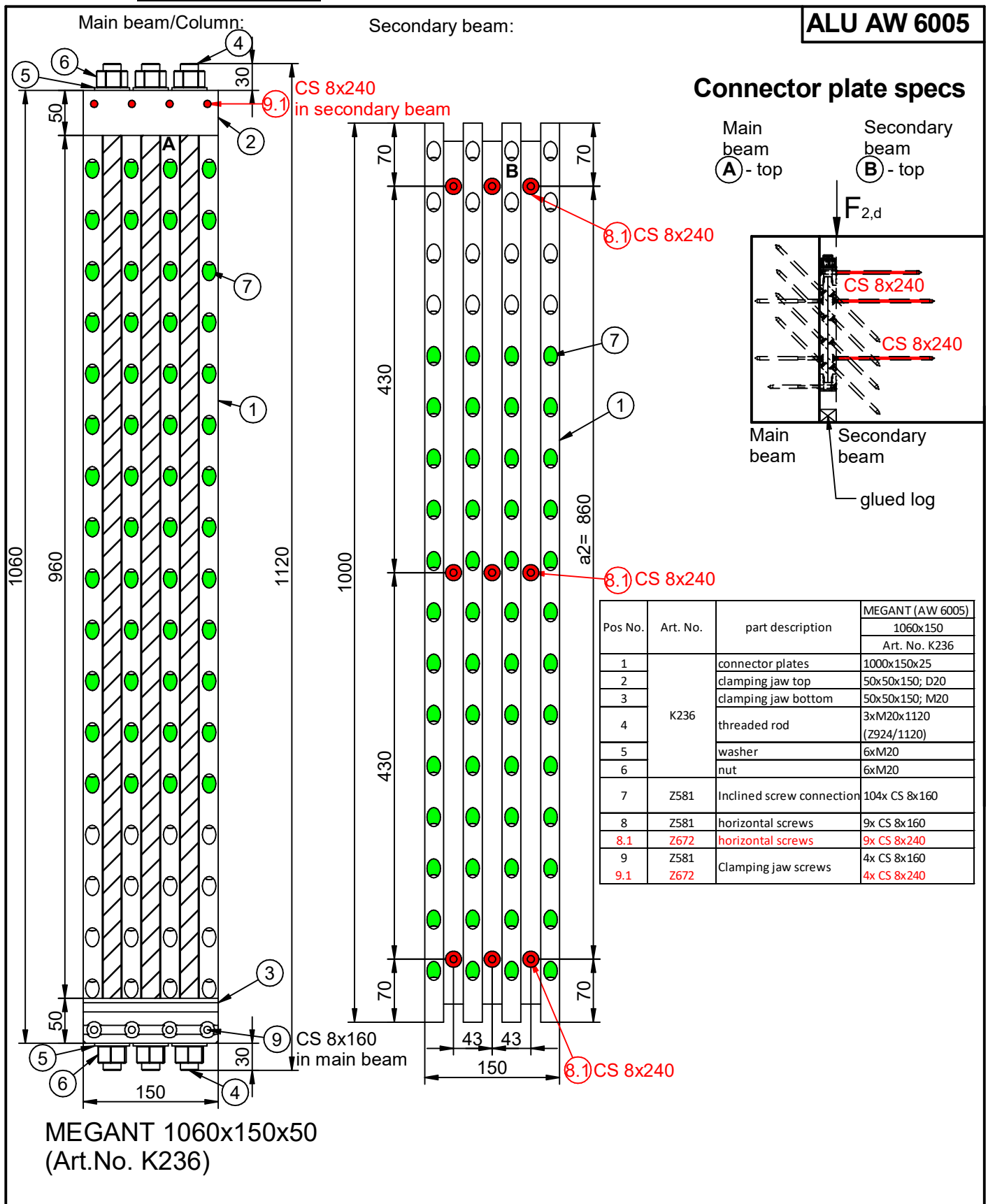


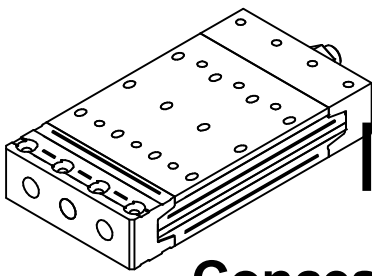
Art.-No.



MEGANT® 1060x150x50

Concealed installation Overview of standard sizes





MEGANT® 1120x150 x50

Concealed installation

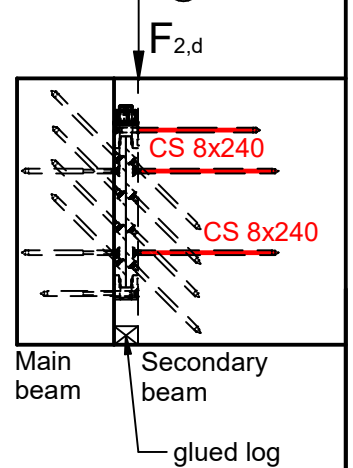
Overview of standard sizes

ALU AW 6005

Connector plate specs

Main beam
A - top

Secondary beam
B - top



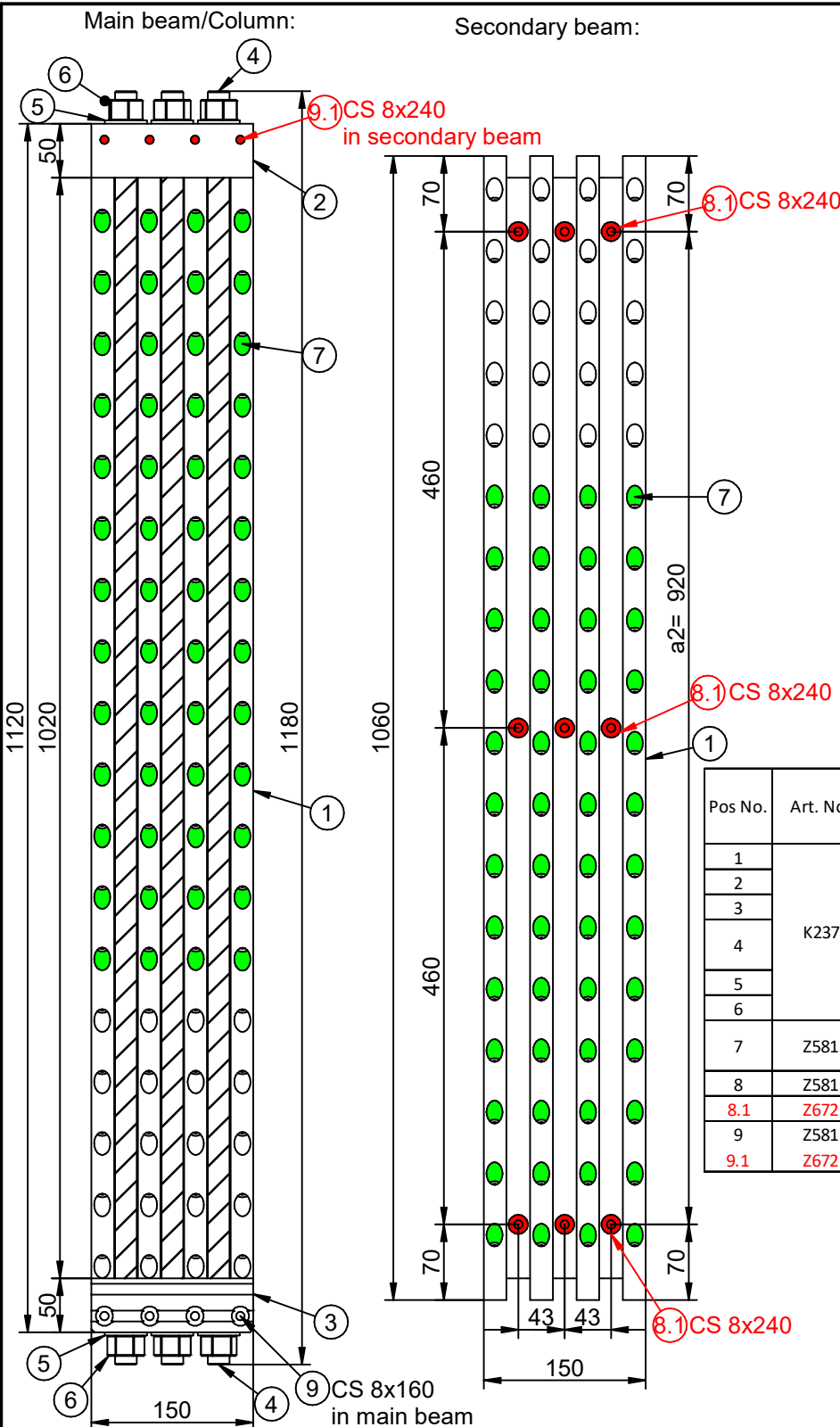
Main beam

Secondary beam

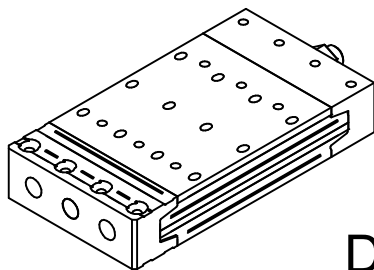
glued log

Pos No.	Art. No.	part description	MEGANT (AW 6005)
			1120x150
			Art. No. K237
1	K237	connector plates	1060x150x25
2		clamping jaw top	50x50x150; D20
3		clamping jaw bottom	50x50x150; M20
4		threaded rod	3xM20x1180 (Z924/1180)
5		washer	6xM20
6		nut	6xM20
7	Z581	Inclined screw connection	104x CS 8x160
8	Z581	horizontal screws	9x CS 8x160
8.1	Z672	horizontal screws	9x CS 8x240
9	Z581	Clamping jaw screws	4x CS 8x160
9.1	Z672	Clamping jaw screws	4x CS 8x240

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MEGANT 1120x150x50
(Art.No. K237)

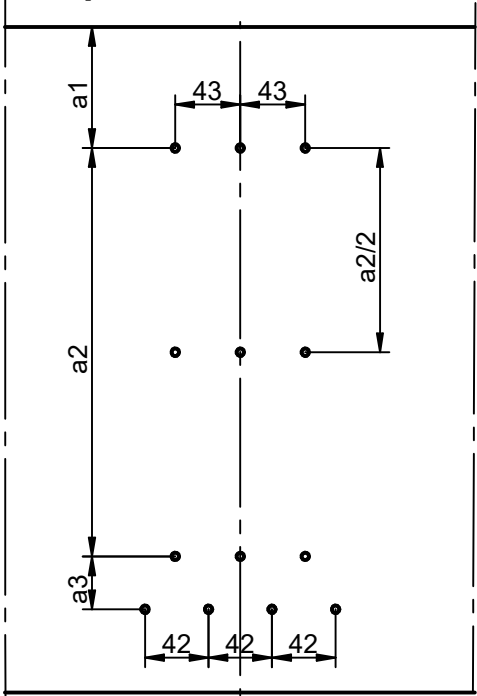


MEGANT® 150

Drilling pattern concealed central installation

ALU AW 6005

Drill pattern main beam !



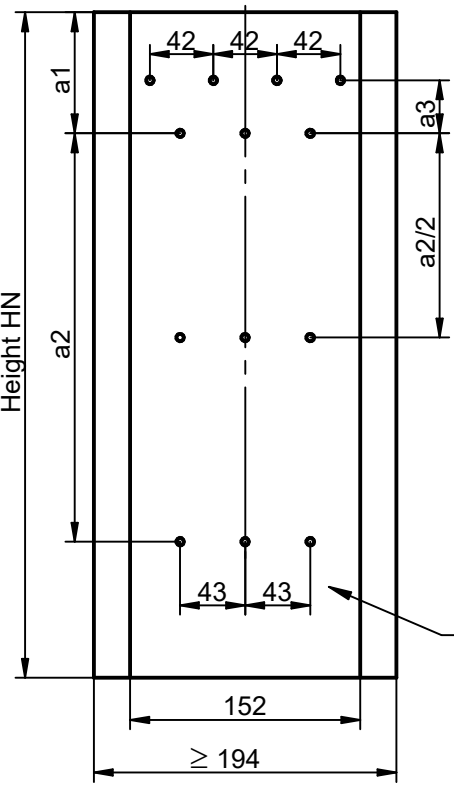
Softwood:
13x holes
Ø 5mm,
depth 30 mm

Hardwood:
13x holes
Ø 6mm,
depth screw-
length ~120 mm

Pre-drilling concealed installation of connector

Secondary beam	Pre-drill spacings a1 with respect to secondary beam member height H _N	
	MEGANT®	MEGANT®
Height H _N [mm]	1060x150	1120x150
1200	170	
1240	190	
1280	210	180
1320	230	200
1360	250	220
1400	270	240
1440	290	260
1480	310	280
1520	330	300
1560	350	320
1600	370	340
1640	390	360
1680	410	380
1720	430	400
1760	450	420
1800	470	440
1840	490	460
1880	510	480
1920	530	500
1960	550	520
2000	570	540

Milling pattern and positioning holes for central, concealed installation in the secondary beam !



Softwood:
13x holes
Ø 5mm,
depth 30 mm

Hardwood:
13x holes
Ø 6mm,
depth screw-
length ~120 mm

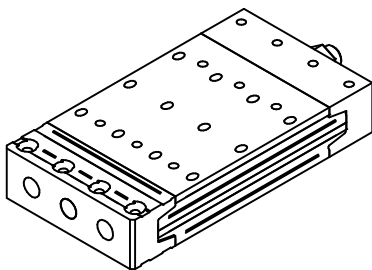
Milling depth 50 mm

Distance	MEGANT®	MEGANT®
	1060x150	1120x150
a2 [mm]	860	920
a3 [mm]	85	85

MEGANT marking templates for horizontal drilling are available in different sizes upon request.

This drawing is the property of Knapp GmbH.

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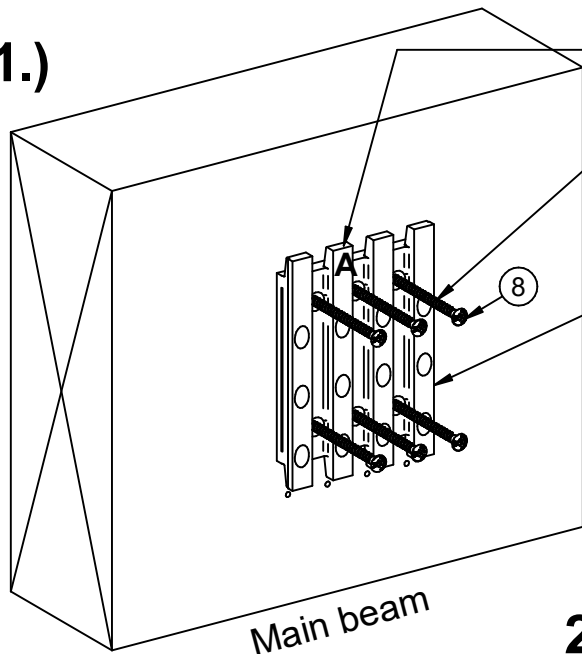


MEGANT® 150

Install MEGANT concealed on main beam

ALU AW 6005

1.)



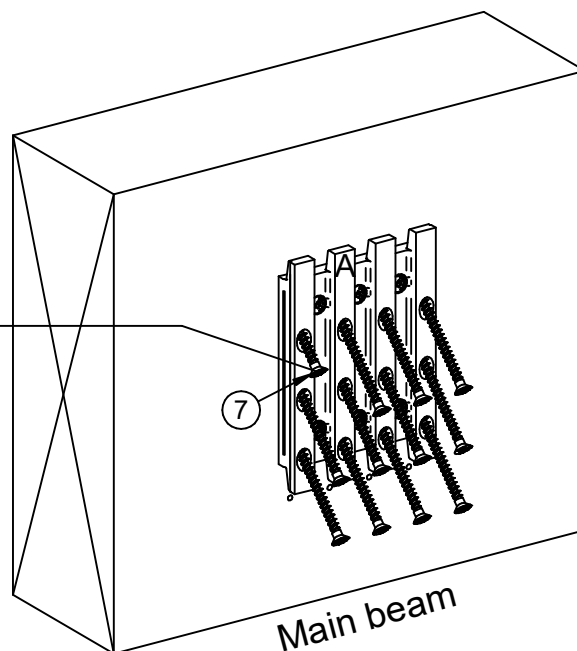
Make sure plate marking A is at the top for main beam installation

install horizontal screws (8)

connector plate (1)

Main beam

2.)

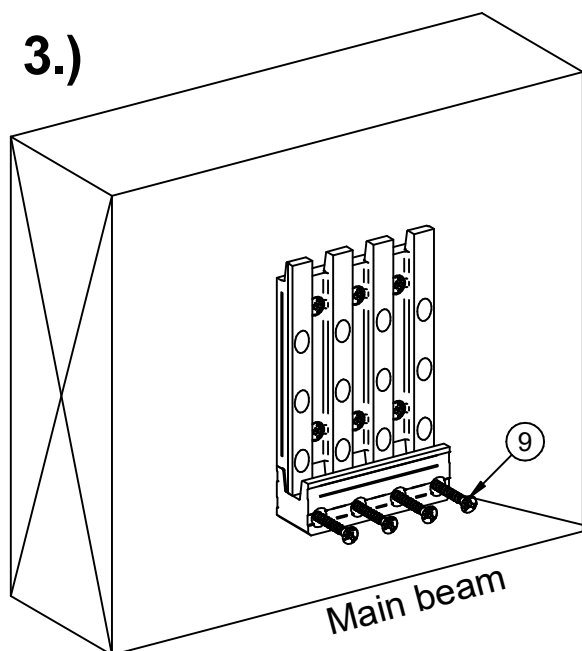


Screw inclined screws (7) into connector plate (1) from top to bottom in rows max. tightening torque $M_t = 20\text{Nm}$ (ensure they are tightened firmly)

(7)

Main beam

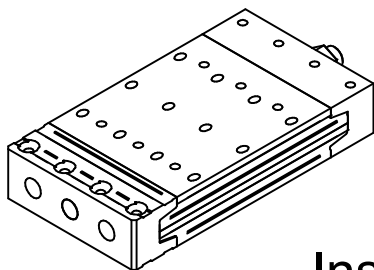
3.)



Main beam

CS 8x120 screws are usually used for main and secondary beams made of hardwood

Screw the clamping jaw (3) down in the positioning hole with horizontal screws (9)

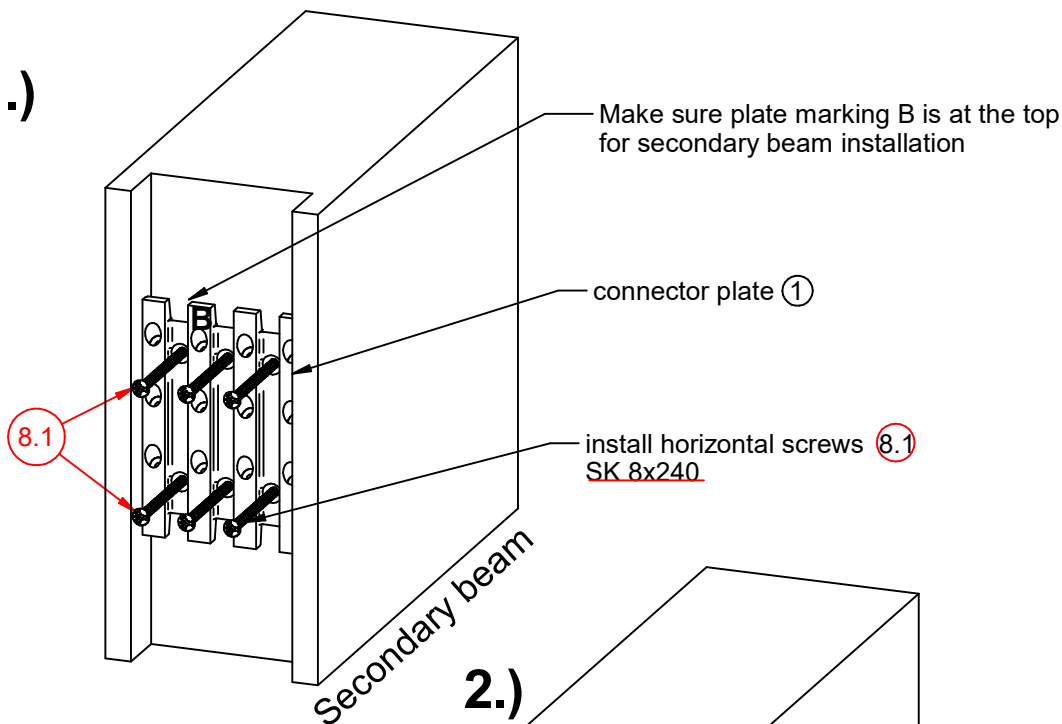


MEGANT® 150

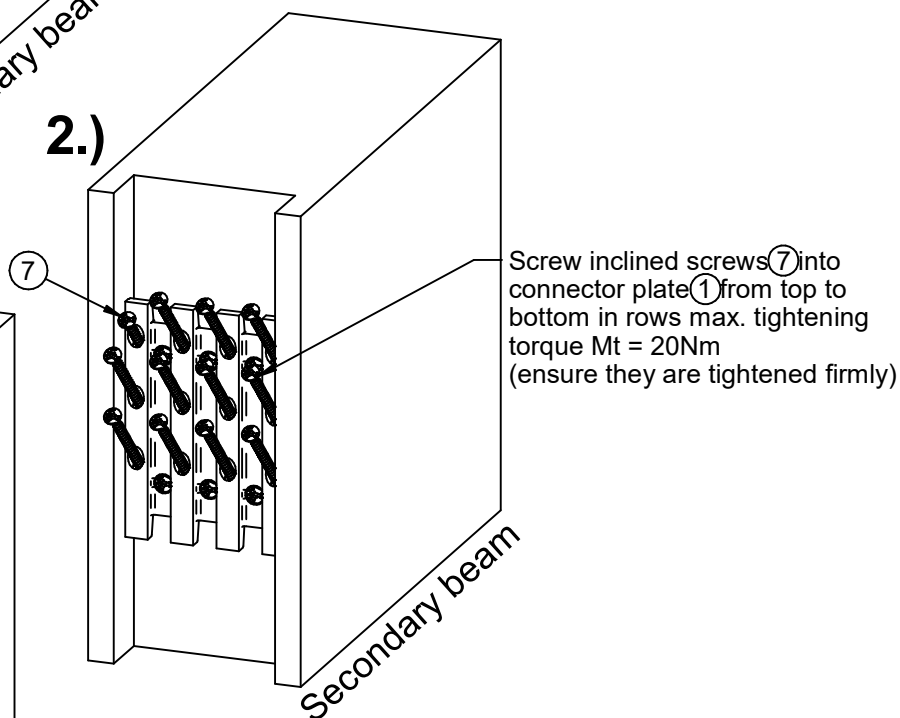
Install MEGANT concealed on secondary beam

ALU AW 6005

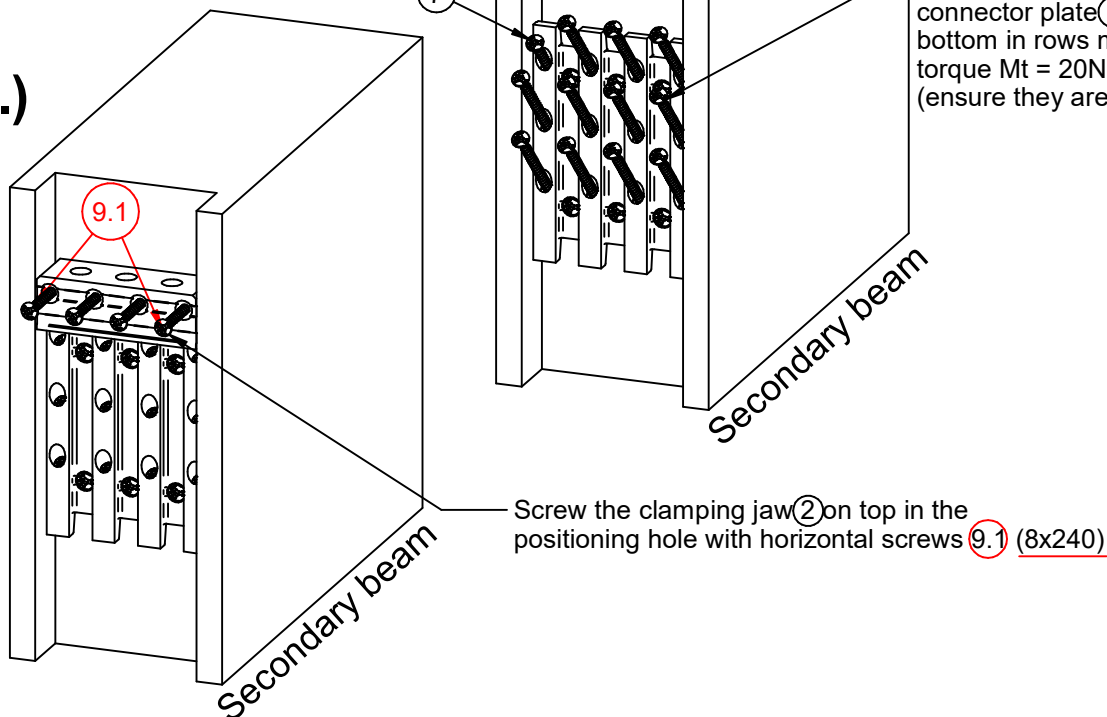
1.)



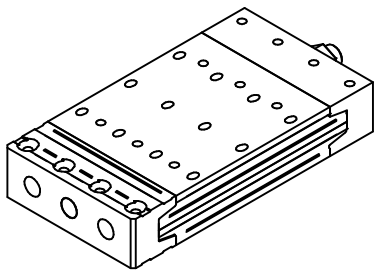
2.)



3.)



CS 8x120 screws are usually used for main and secondary beams made of hardwood

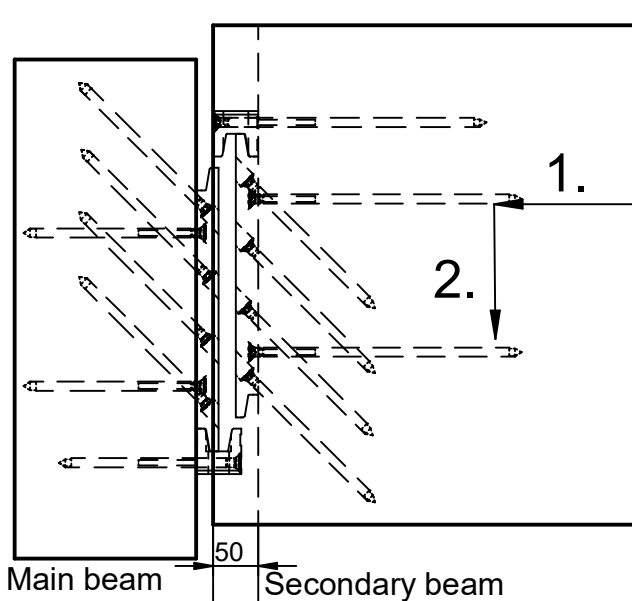


MEGANT® 150

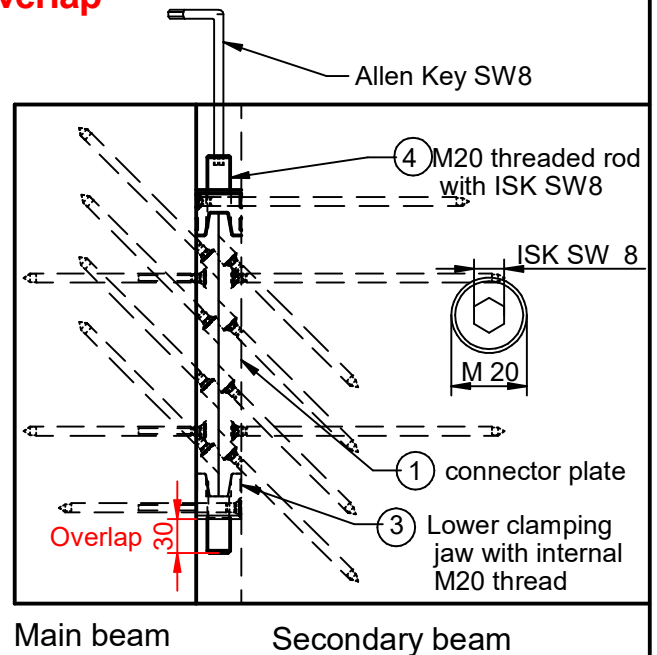
Process of Concealed assembly

ALU AW 6005

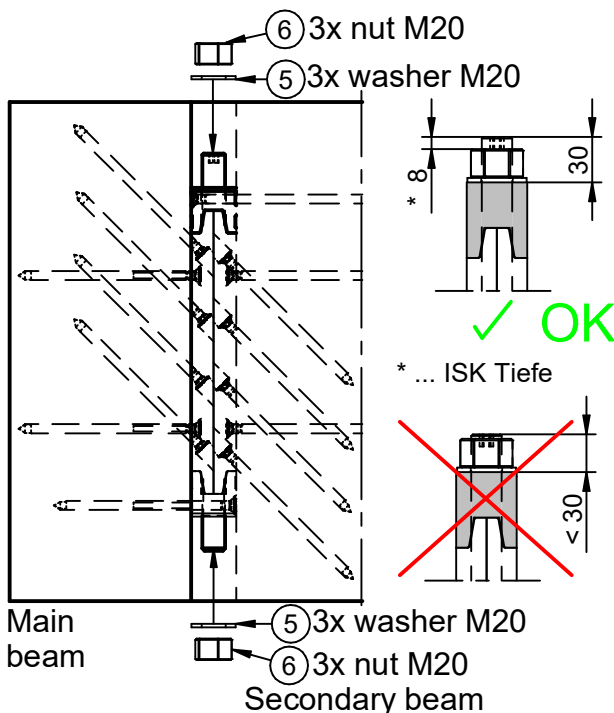
1. Install secondary beam



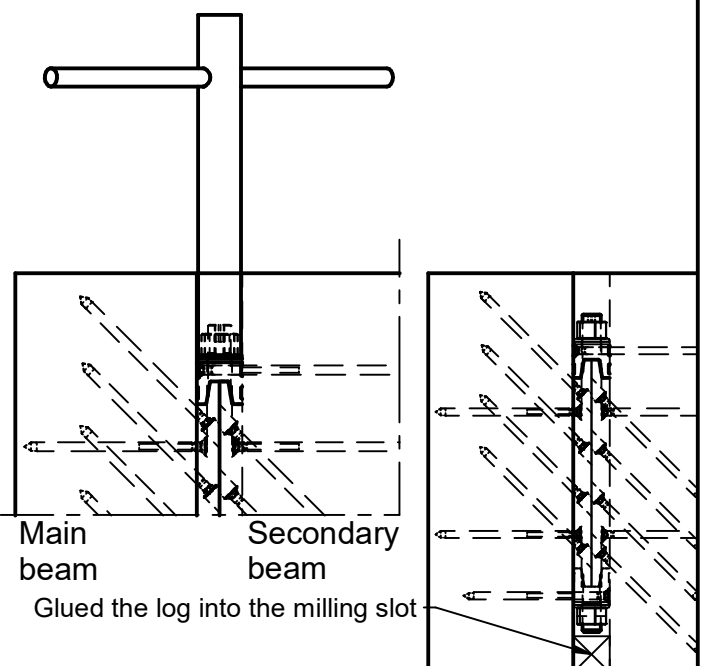
2. Install M20 threaded rod ④ in lower clamping jaw ③ with **30 mm overlap**



3. Place washer and nut M20 on the top and bottom



4. Tighten M20 nut on the top and bottom with SW 30 wrench (40 Nm) !





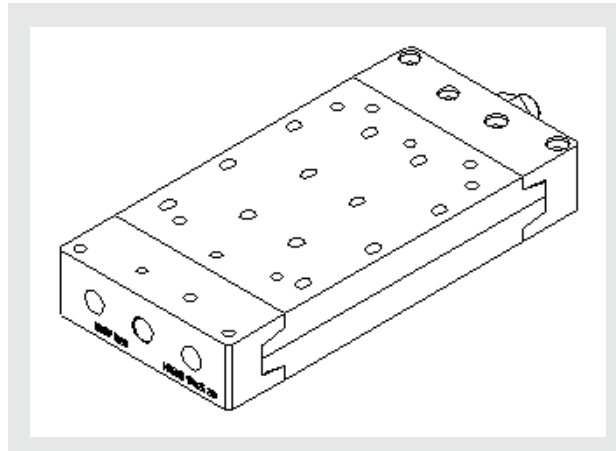
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Montageanleitung

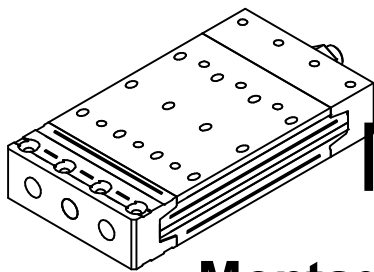
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Réf.



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MEGANT® 1120x150 x50

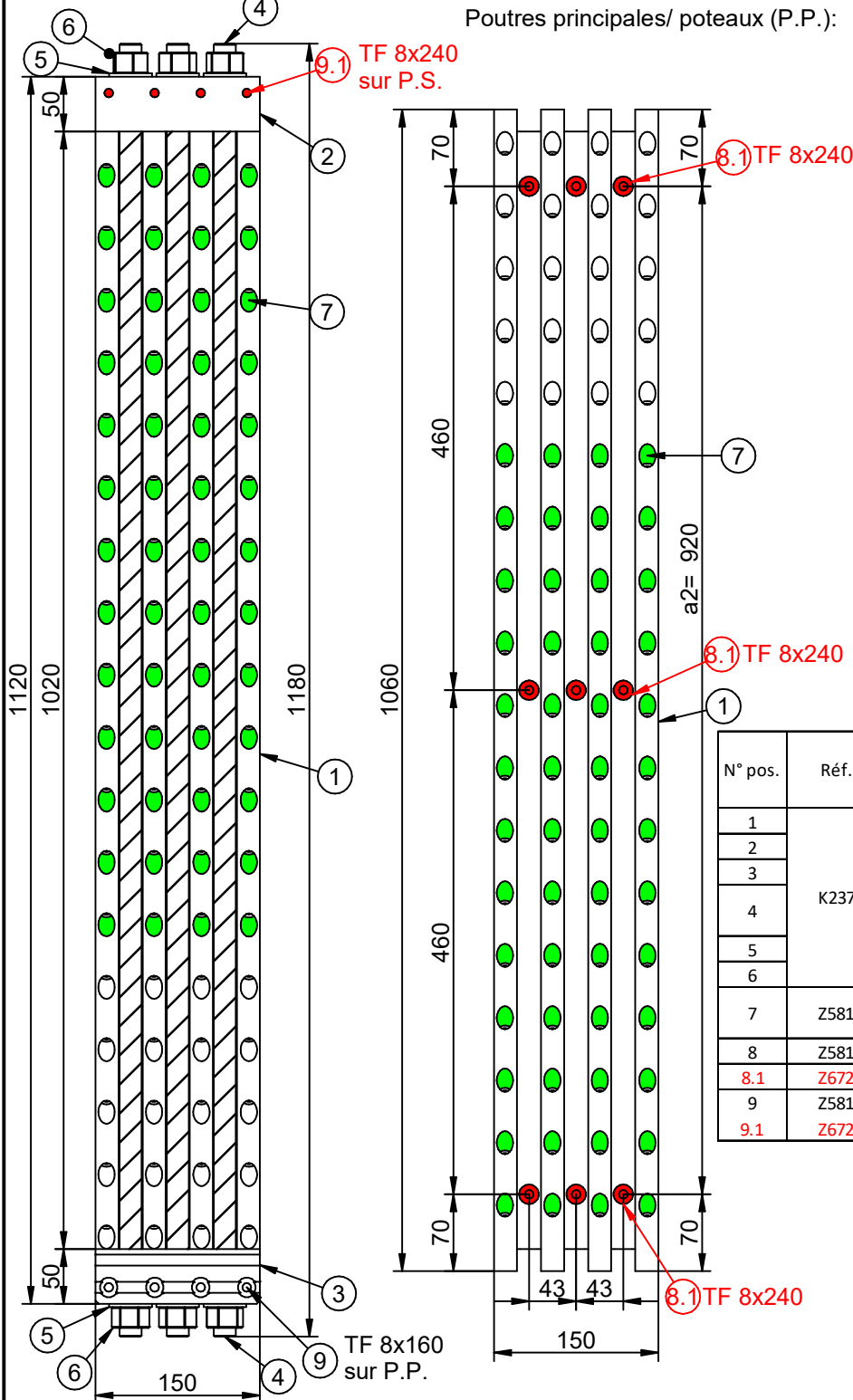
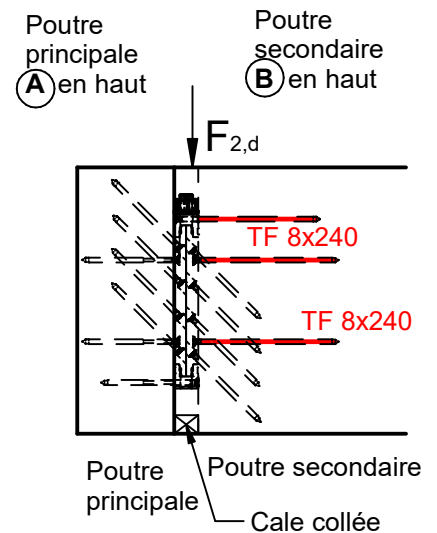
Vue d'ensemble des dimensions spéciales
Montage invisible - disponibles sur demande

ALU AW 6005

Poutres principales/ poteaux (P.P.):

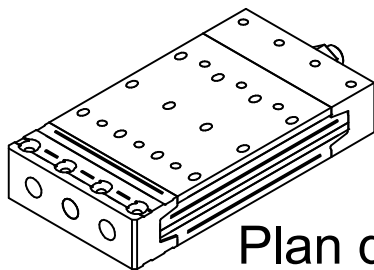
Poutres principales/ poteaux (P.P.):

Repérage des plaques:



N° pos.	Réf.	Désignations	MEGANT (AW 6005)
			1120x150 Réf. K237
1	K237	Plaques principales	1060x150x25
2		Mâchoire haute	50x50x150; D20
3		Mâchoire basse	50x50x150; M20
4		Tige filetée	3xM20x1180 (Z924/1180)
5		Rondelle	6xM20
6		Écrou	6xM20
7	Z581	Vissage biais	104x TF 8x160
8	Z581	Vissage horizontal	9x TF 8x160
8.1	Z672	Vissage horizontal	9x TF 8x240
9	Z581	Vissage mâchoires	4x TF 8x160
9.1	Z672	Vissage mâchoires	4x TF 8x240

MEGANT 1120x150x50
(Réf. K237)

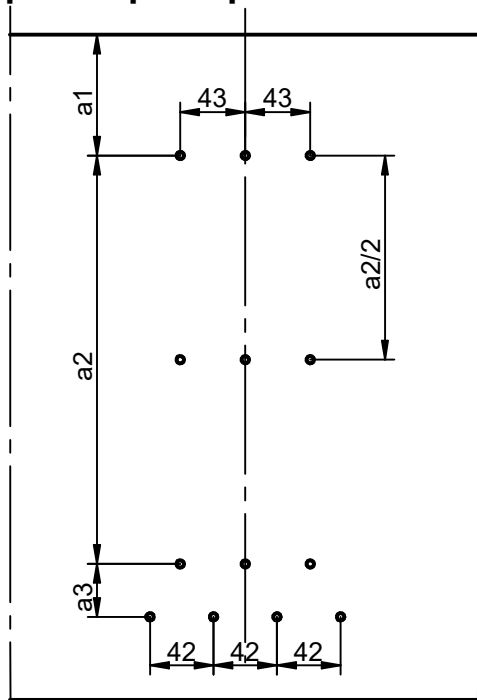


MEGANT® 150

Plan de perçage pour montage centré et encastré

Réaliser les perçages de positionnement sur la poutre principale !

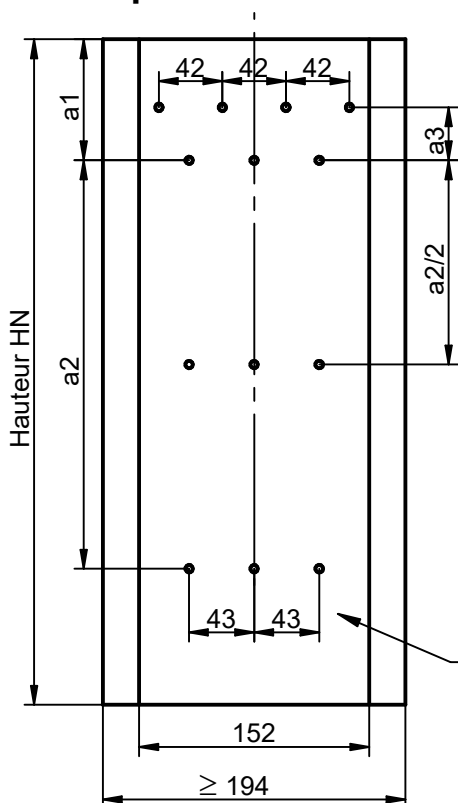
ALU AW 6005



Résineux:
13 perçages
Ø 5 mm,
profondeur 30 mm

Feuillus:
13 perçages
Ø 6 mm,
profondeur suivant
long vis ~120 mm

Réaliser les perçages de positionnement sur la poutre secondaire !



Résineux:
13 perçages
Ø 5 mm,
profondeur 30 mm

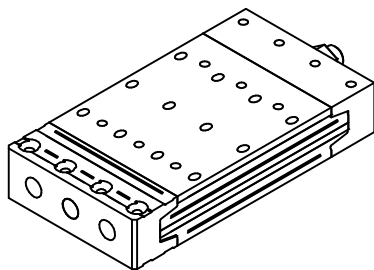
Feuillus:
13 perçages
Ø 6 mm,
profondeur suivant
long vis ~120 mm

**Profondeur d'usage
50 mm**

Perçages pour mise en oeuvre encastrée (invisible)

Poutre secondaire	en relation avec la hauteur de poutre secondaire HN [mm]	
Hauteur	MEGANT®	MEGANT®
H _N [mm]	1060x150	1120x150
1200	170	
1240	190	
1280	210	180
1320	230	200
1360	250	220
1400	270	240
1440	290	260
1480	310	280
1520	330	300
1560	350	320
1600	370	340
1640	390	360
1680	410	380
1720	430	400
1760	450	420
1800	470	440
1840	490	460
1880	510	480
1920	530	500
1960	550	520
2000	570	540

Distances	MEGANT®	MEGANT®
	1060x150	1120x150
a2 [mm]	860	920
a3 [mm]	85	85

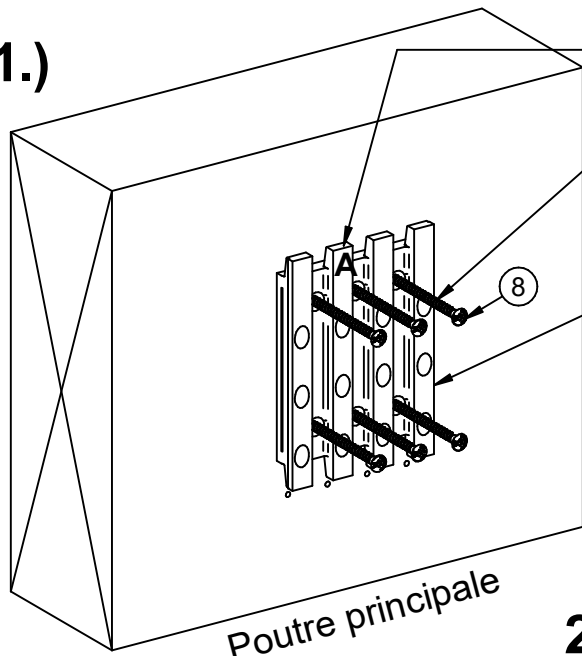


MEGANT® 150

Vissage sur poutre principale

ALU AW 6005

1.)



Sur la poutre principale,
placer le repère A en haut!

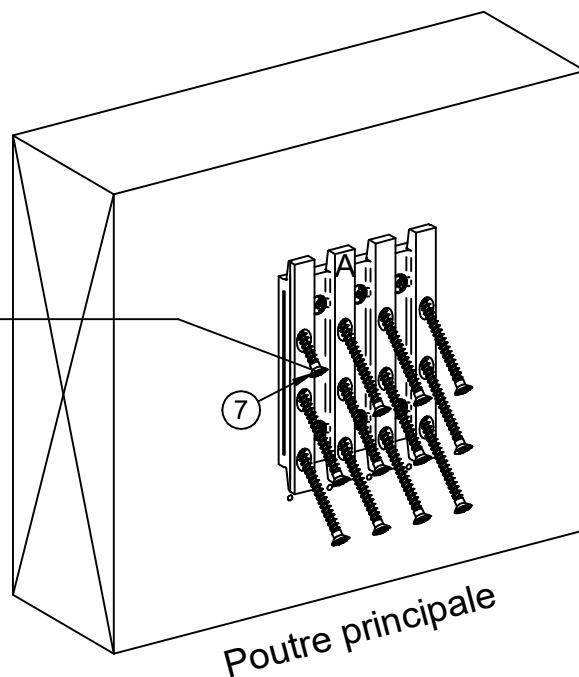
Visser les vis de positionnement
horizontale (8)

Plaque principale (1)

Poutre principale

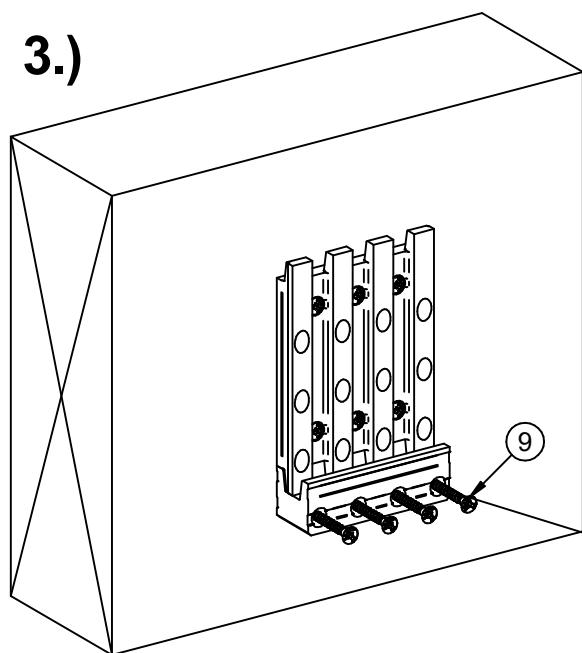
2.)

Visser les vis biais (7) sur la
plaque principale (1) en
commençant par le haut
Couple de serrage max.
Mt = 20 Nm
(visser les vis bien à fond)



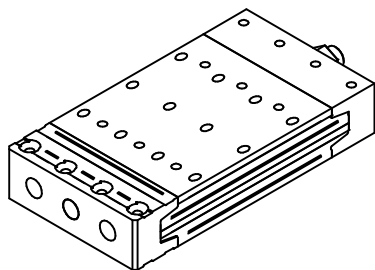
Poutre principale

3.)



Pour les poutres principales en **feuilus**
utiliser des **vis TF 8x120**.

Visser la mâchoire (3) en partie
basse dans les perçages de
position avec les vis pour
mâchoire (9)

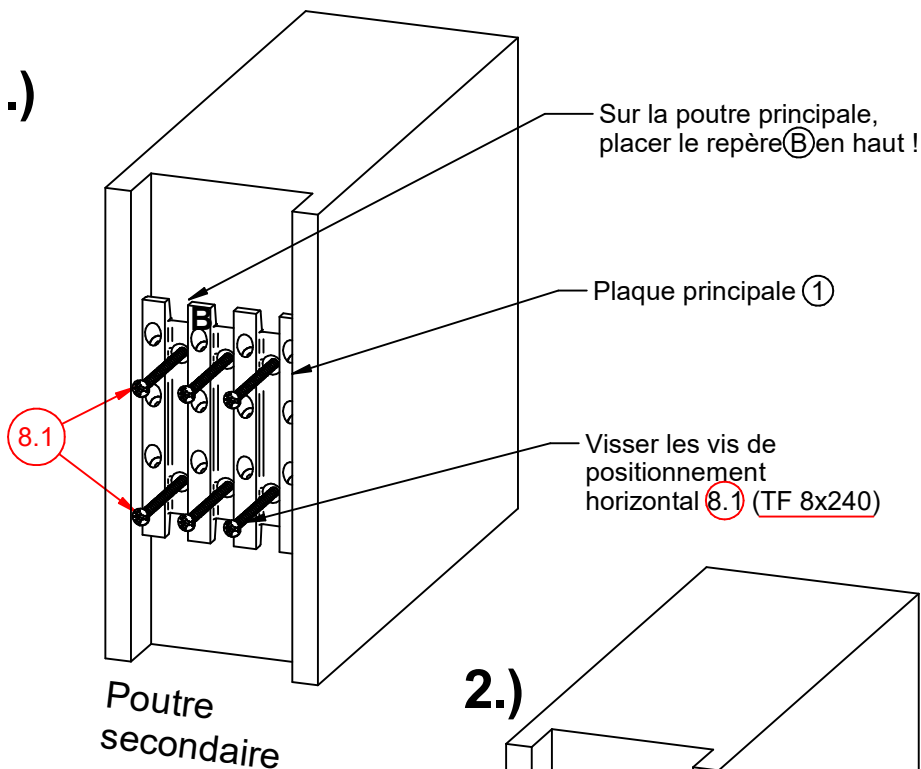


MEGANT® 150

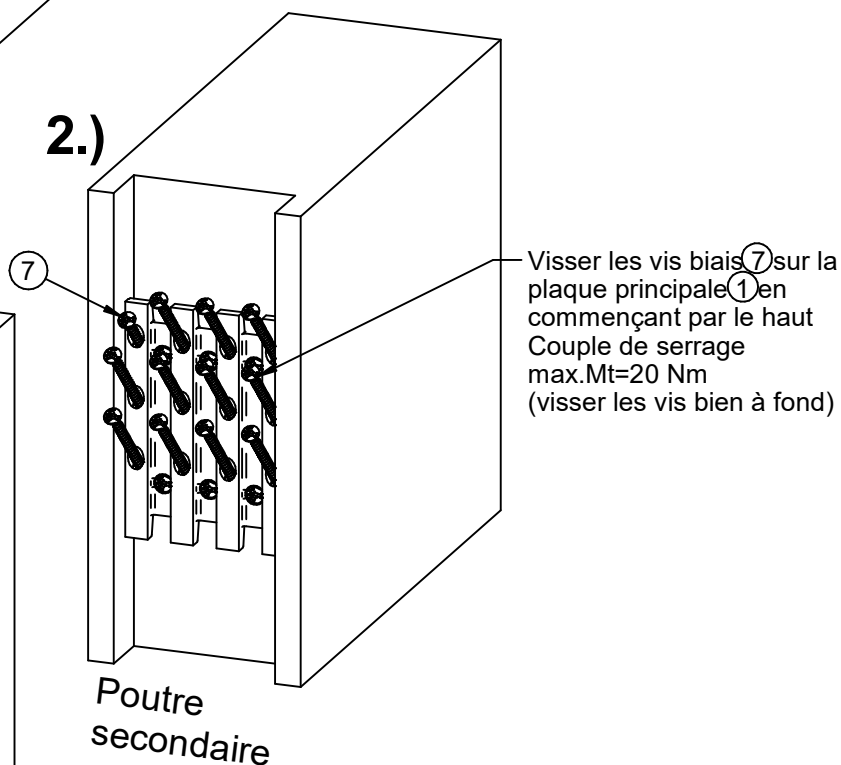
Visser MEGANT dans l'encastrement sur la poutre secondaire

ALU AW 6005

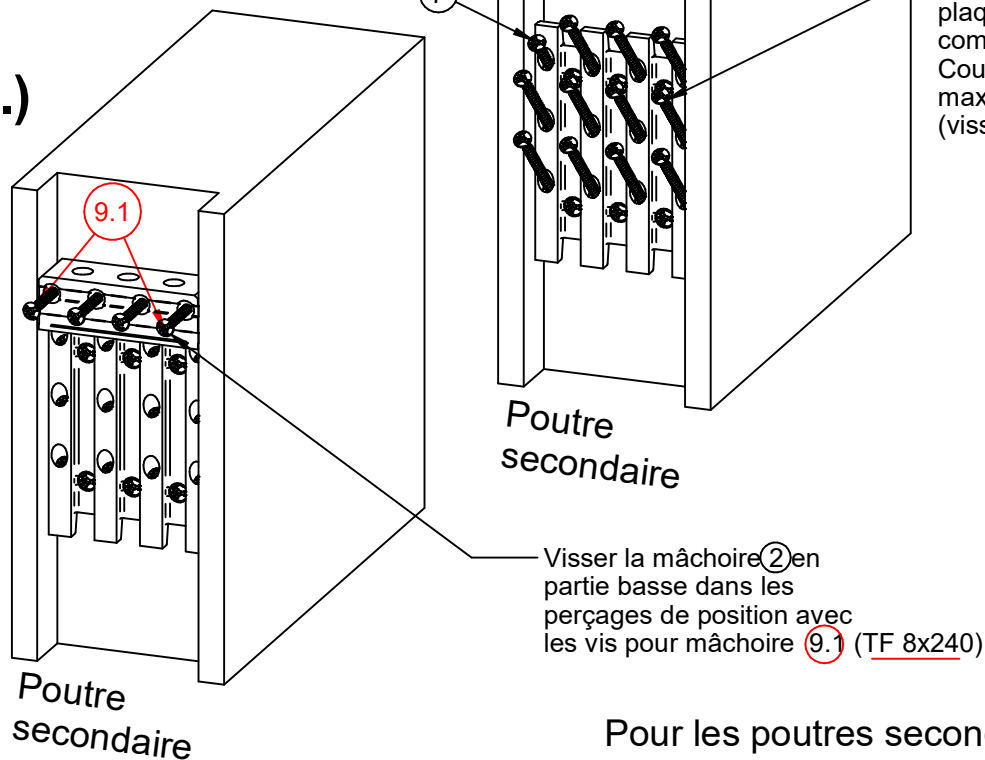
1.)



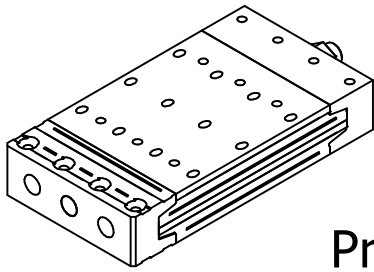
2.)



3.)



Pour les poutres secondaires en **feuillus** utiliser des **vis TF 8x120**

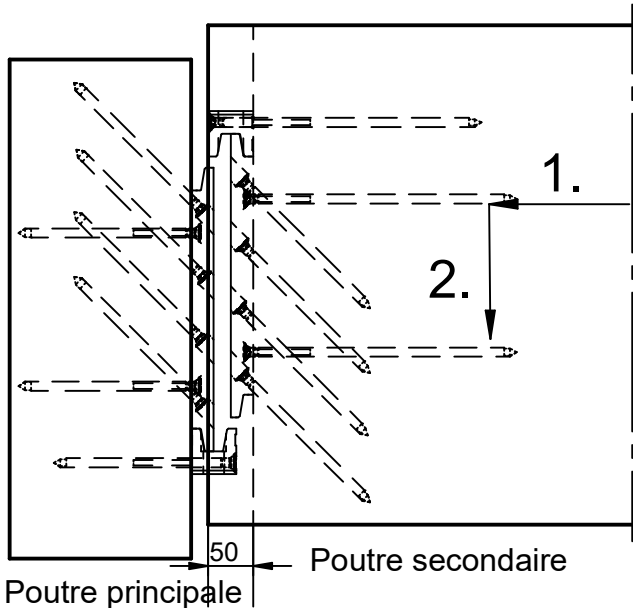


MEGANT® 150

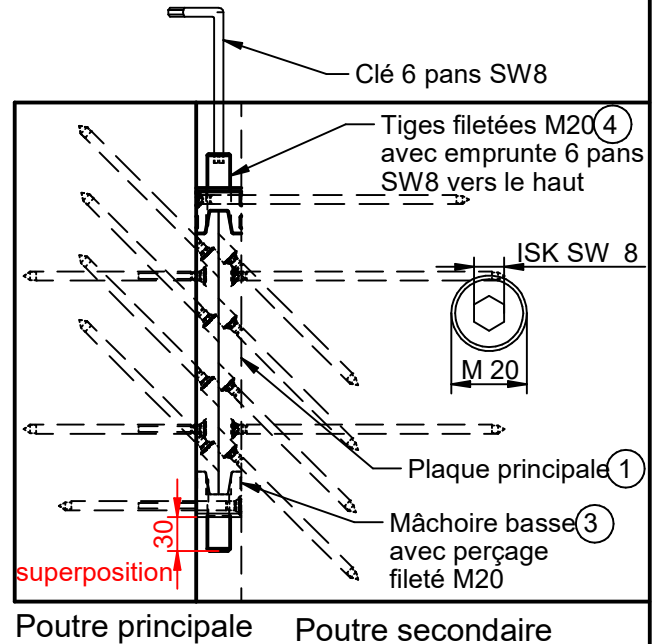
Procédure de montage connecteurs **invisibles**

ALU AW 6005

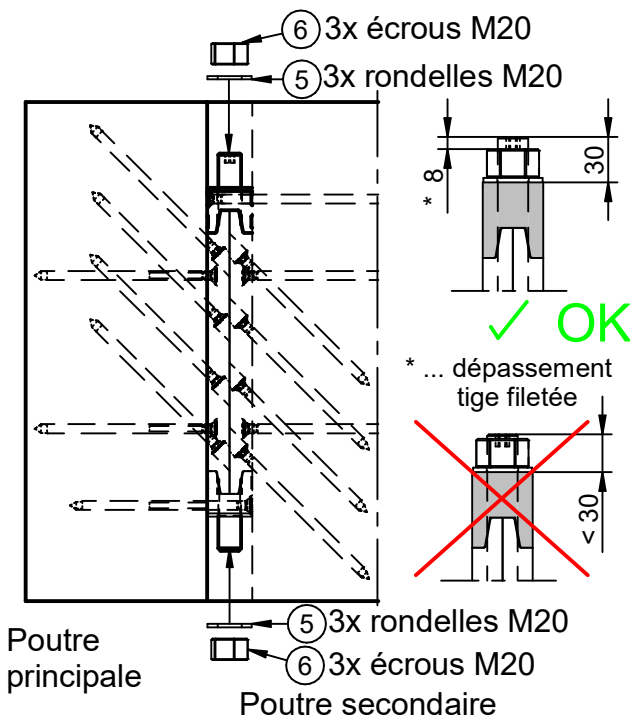
1. Accroche de la poutre secondaire



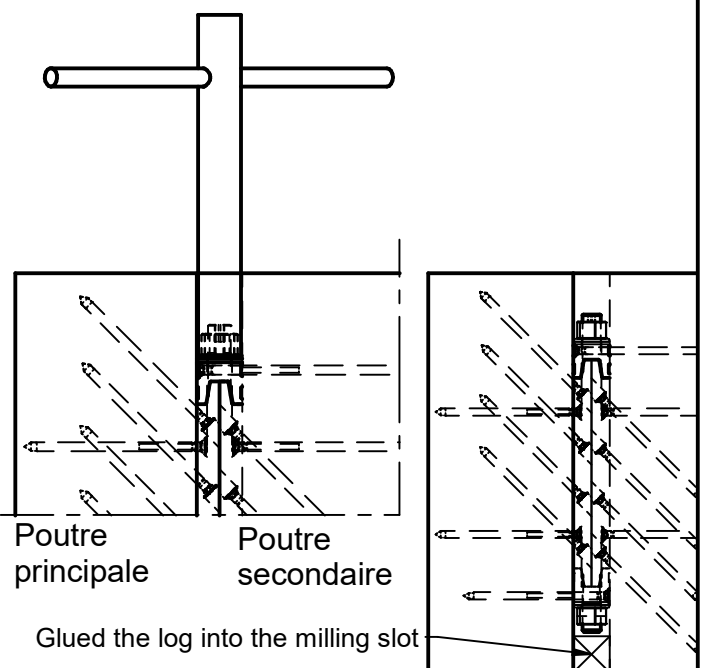
2. Visser les tiges filetées ④ (M20) dans la mâchoire inférieure ③ avec **30 mm de chevauchement**



3. Mettre en place la mâchoire supérieure, la rondelle et l'écrou M20



4. Serrer l'écrou M20 avec une clé à douille (SW30) 40 Nm !





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