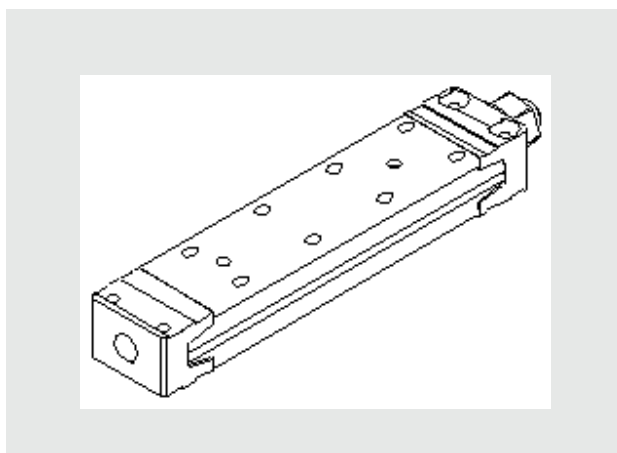


Montageanleitung

Construction Manual

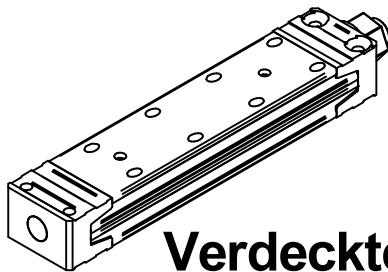
Notice de montage

VERSION



Art.-Nr.

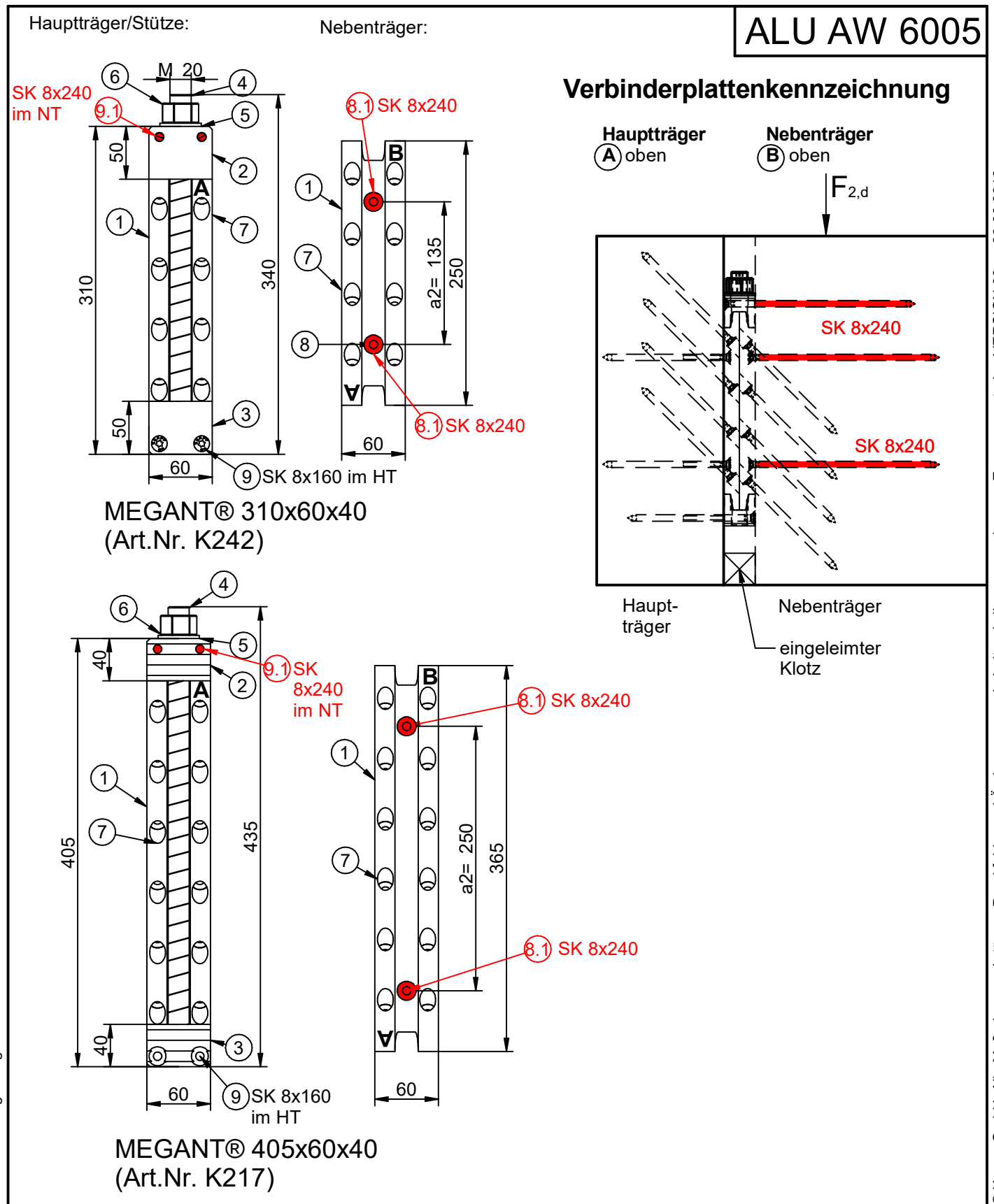
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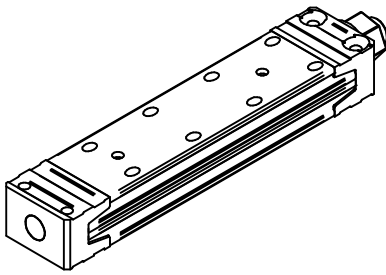


MEGANT® 60

Verdeckter Einbau

Übersicht Standardgrößen



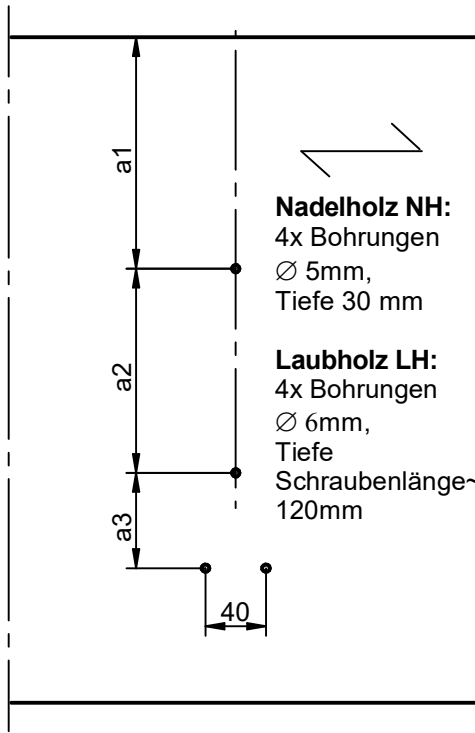


MEGANT® 60

Bohrbild verdeckt mittiger Einbau

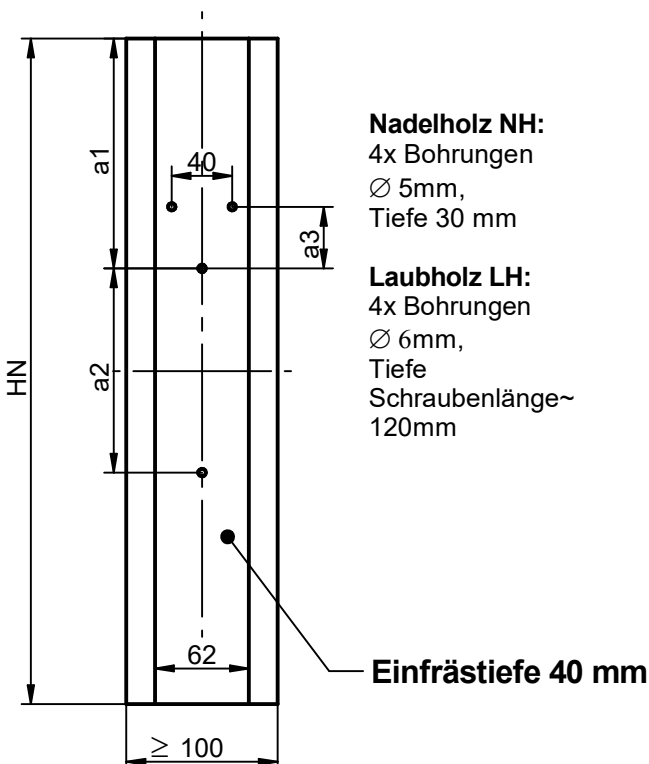
Positionierbohrungen im Hauptträger erstellen !

ALU AW 6005

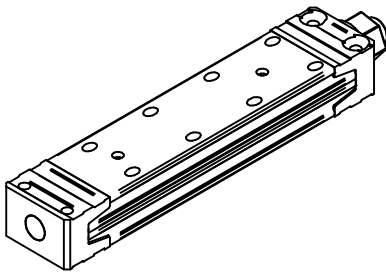


Bohrmaße bei verdeckten unsichtbaren Einbau				
Neben-träger	Bohrabstände a1 in Abhängigkeit der Nebenträgerhöhe H_N [mm]			
Höhe	MEGANT®	MEGANT®	MEGANT®	MEGANT®
H_N [mm]	310x60	405x60	520x60	540x60
400	133			
440	153			
480	173			
520	193	135		
560	213	155		
600	233	175		
640		195	145	145
680		215	165	165
700		225	175	175
720		235	185	185
760		255	205	205
800		275	225	225
840			245	245
880			265	265
920			285	285
960			305	305
1000			325	325

Ausfräsung und Positionierbohrungen für mittige Montage im Nebenträger erstellen !

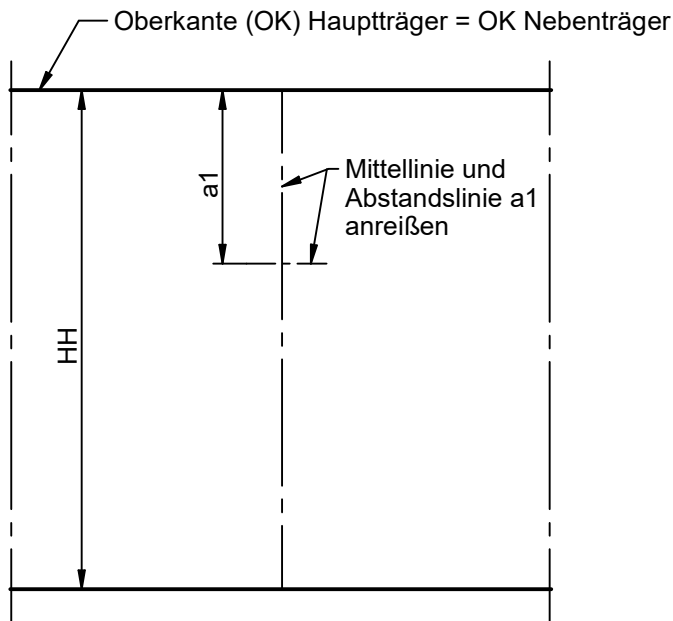


Abstände	MEGANT®	MEGANT®	MEGANT®	MEGANT®
	310x60	405x60	520x60	540x60
a2 [mm]	135	250	350	350
a3 [mm]	78	68	75	85

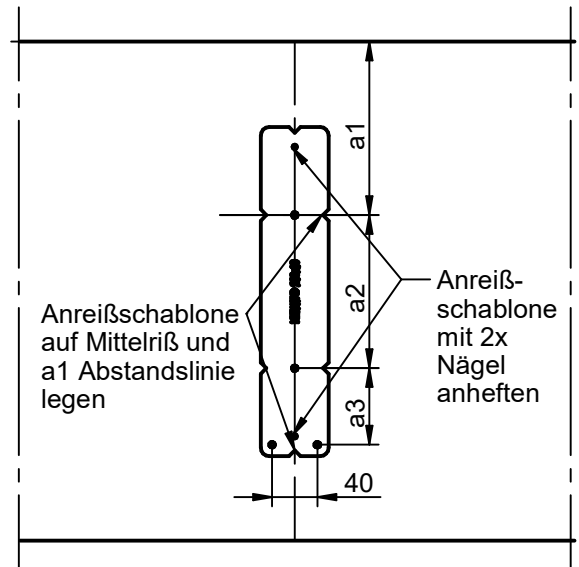


ALU AW 6005

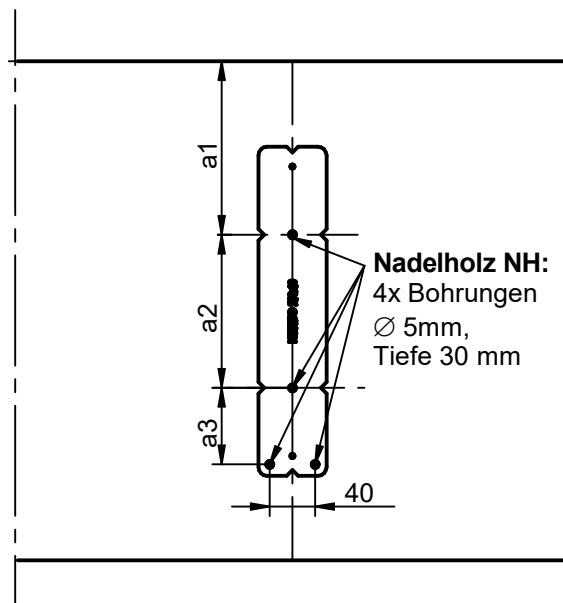
1.) Anreißen

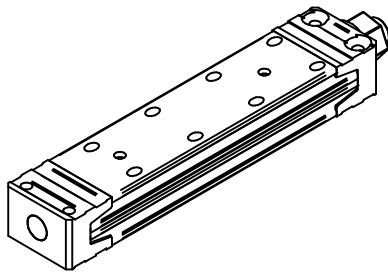


2.) Schablone auflegen



3.) Bohren





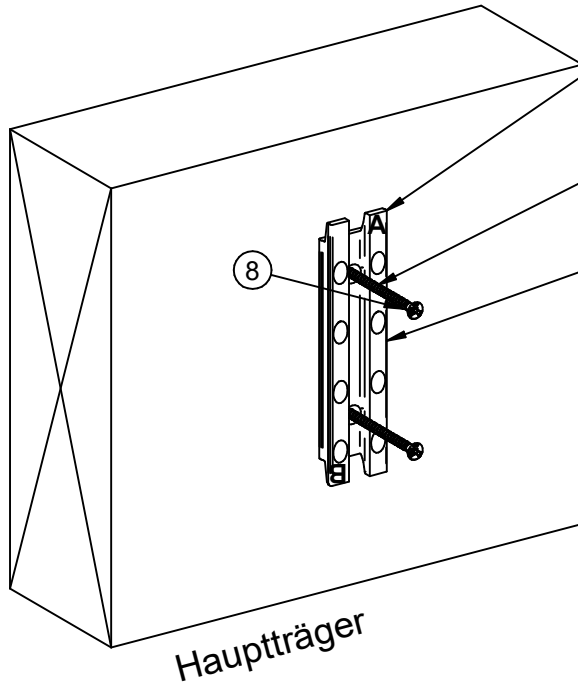
Montageanleitung

MEGANT® 60

Hauptträger verschrauben

ALU AW 6005

1.)



A Plattenkennzeichnung
beim Hauptträger oben !

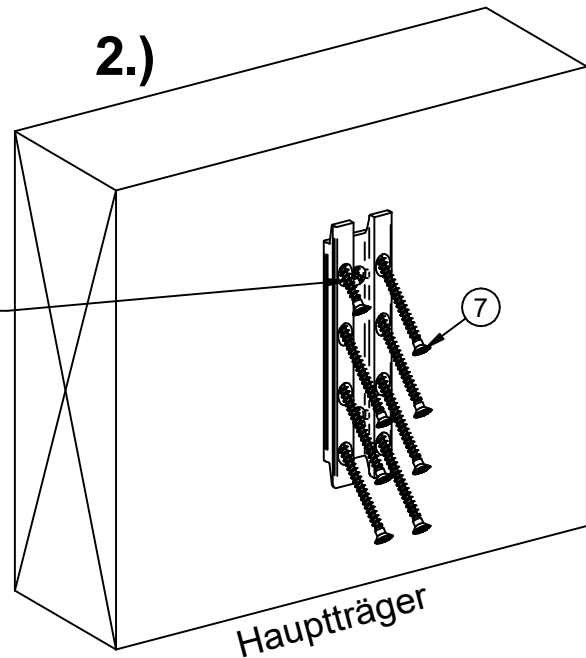
Horizontalschrauben ⑧ in
Positionsbohrungen schrauben

Verbindeplatte ①

Hauptträger

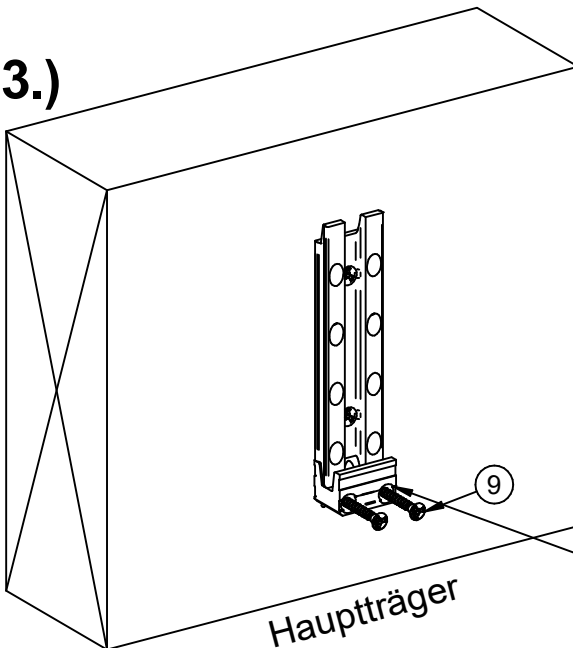
Schrägschrauben ⑦ in
Verbindeplatte ① von oben
reihenweise eindrehen
max. Anzugsdrehmoment
Mt = 20 Nm
(Auf festen Sitz achten)

2.)



Hauptträger

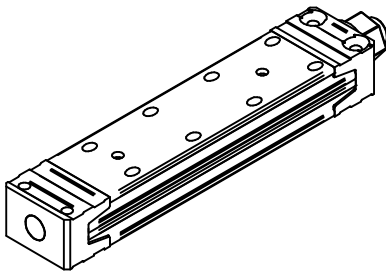
3.)



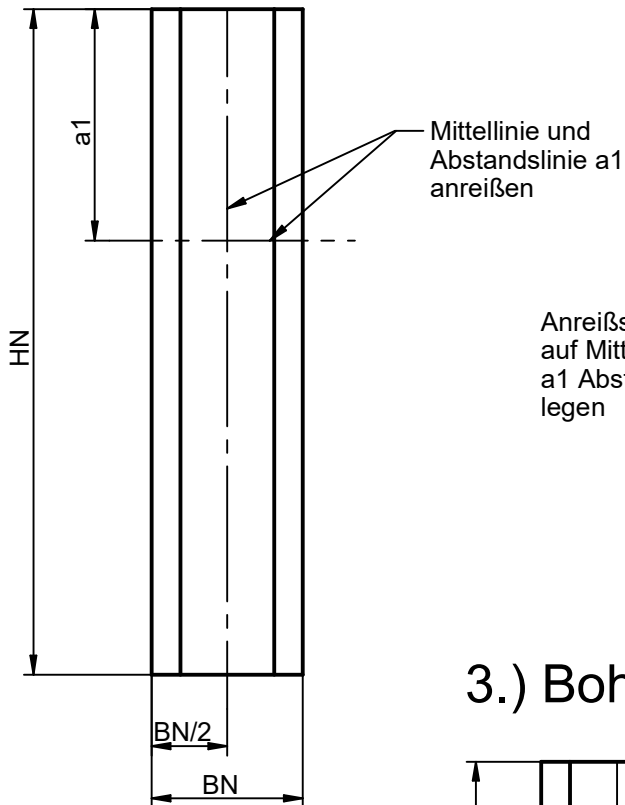
Hauptträger

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

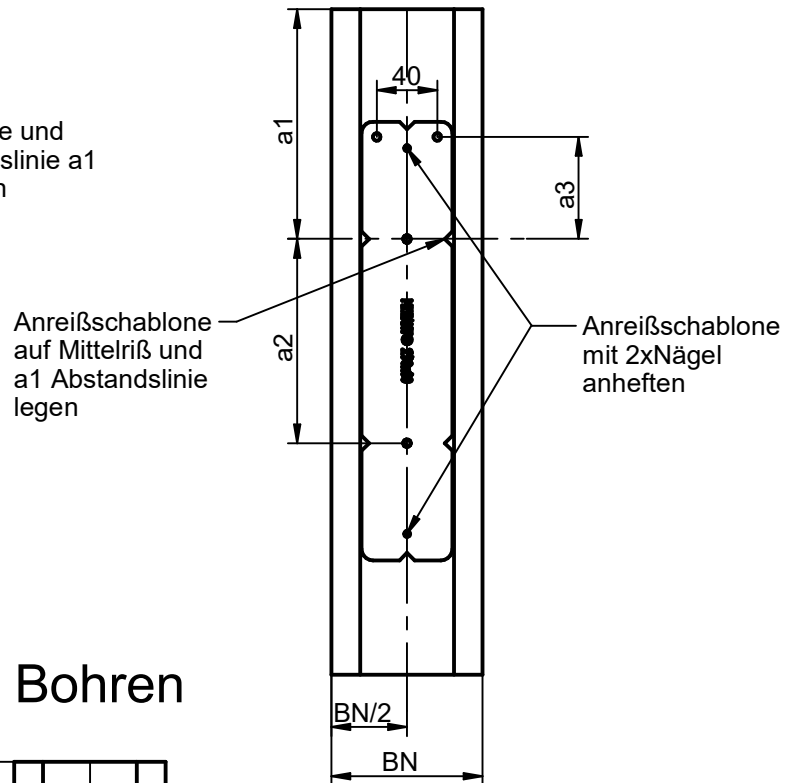
Spannbacke ③ unten in
Positionsbohrungen
mit Horizontalschrauben ⑨
schrauben



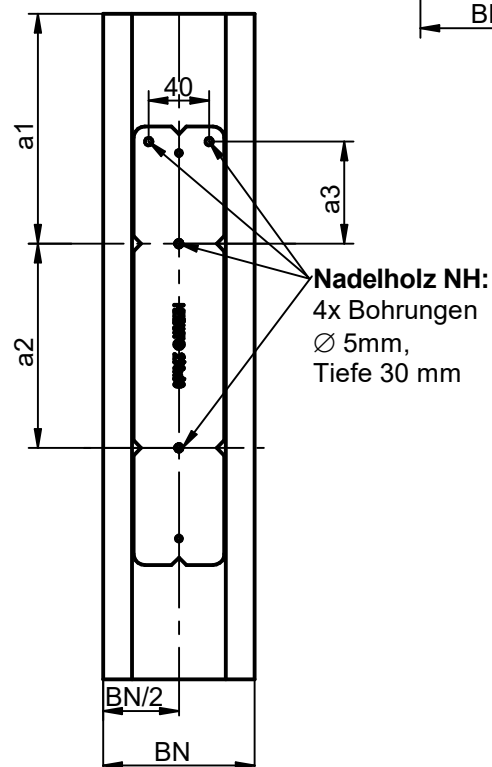
1.) Anreißen

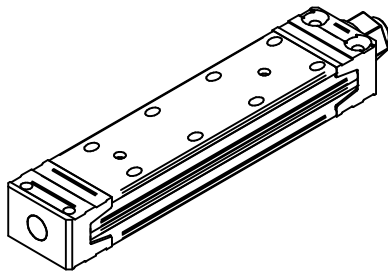


2.) Schablone auflegen

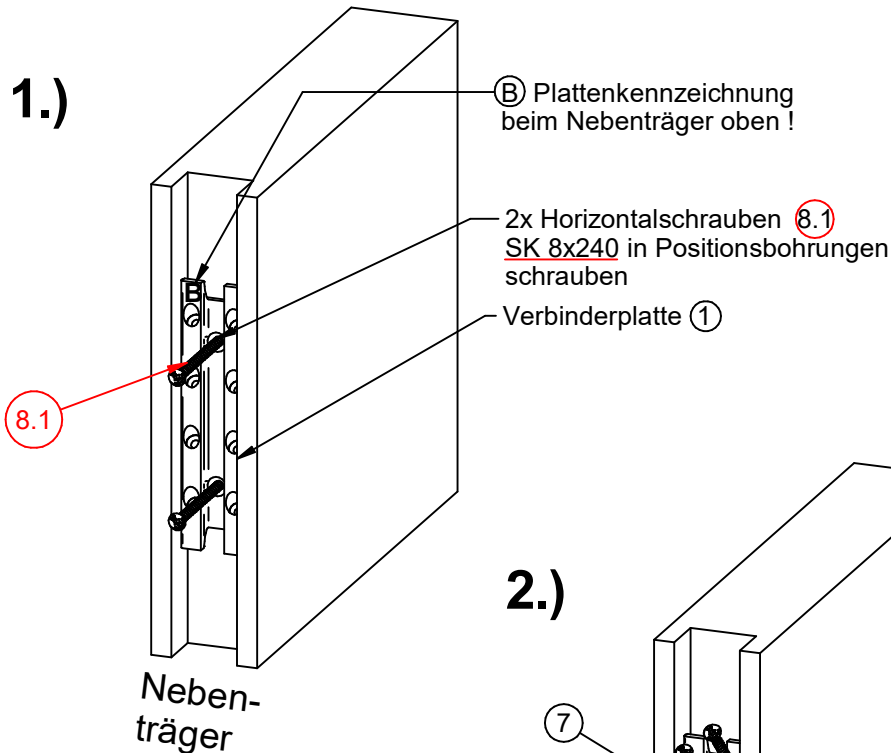


3.) Bohren

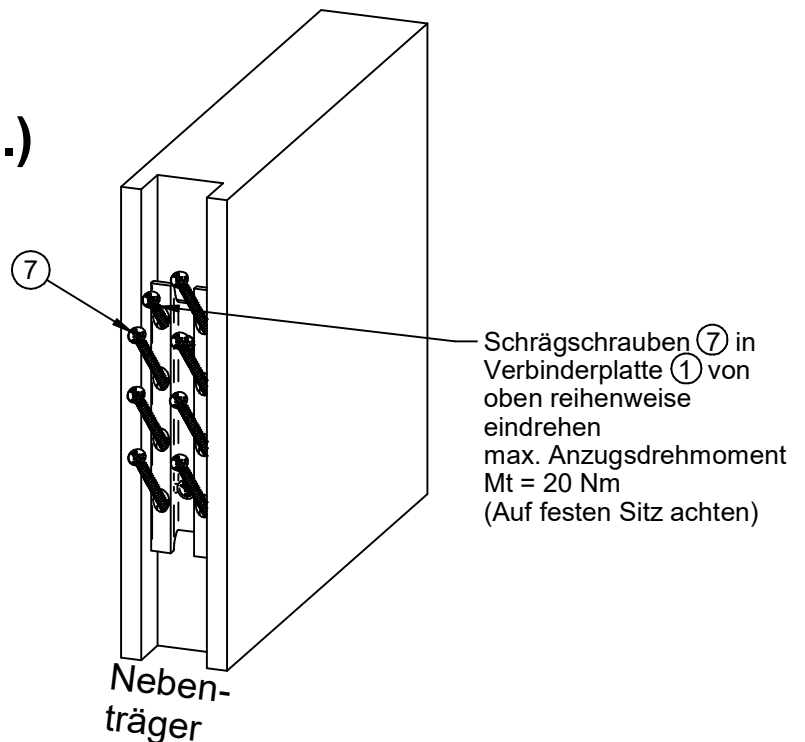




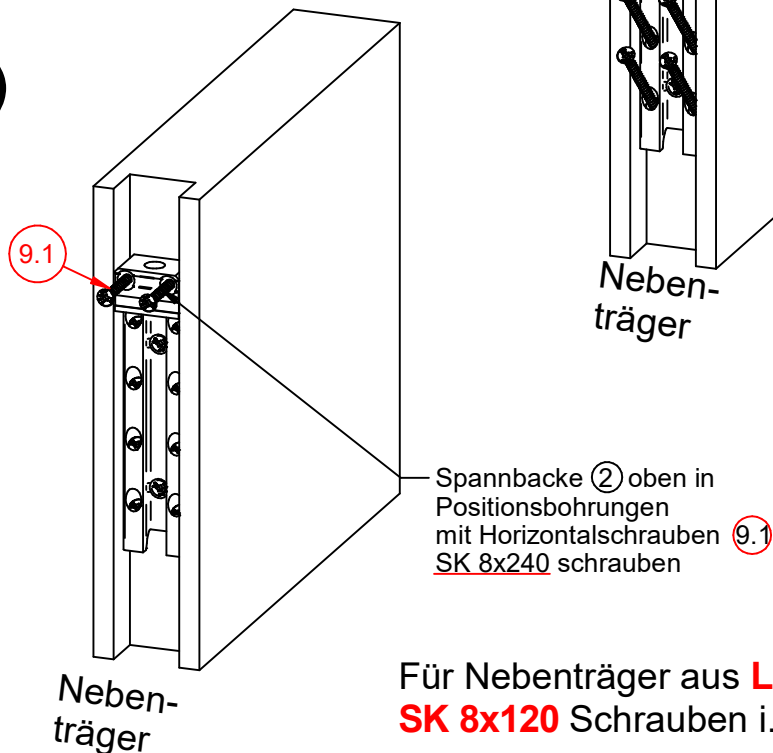
1.)



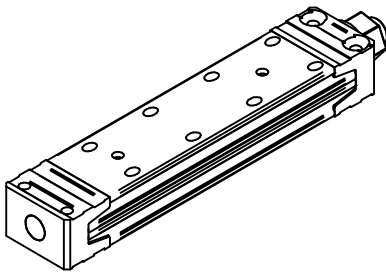
2.)



3.)



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

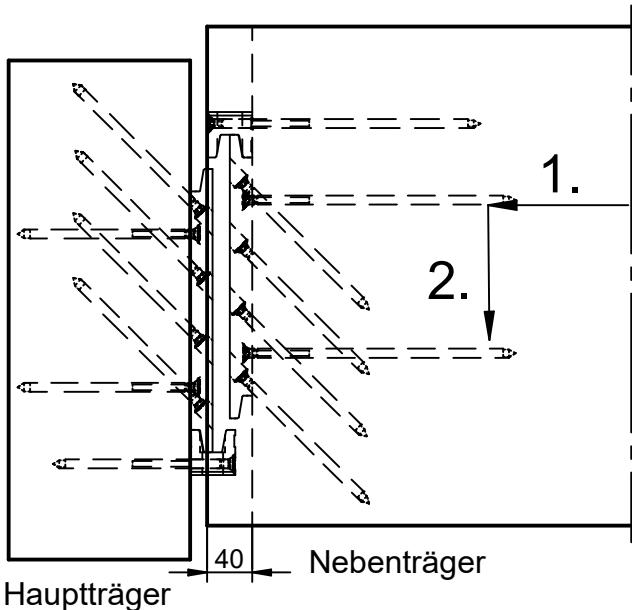


Montageanleitung MEGANT® 60

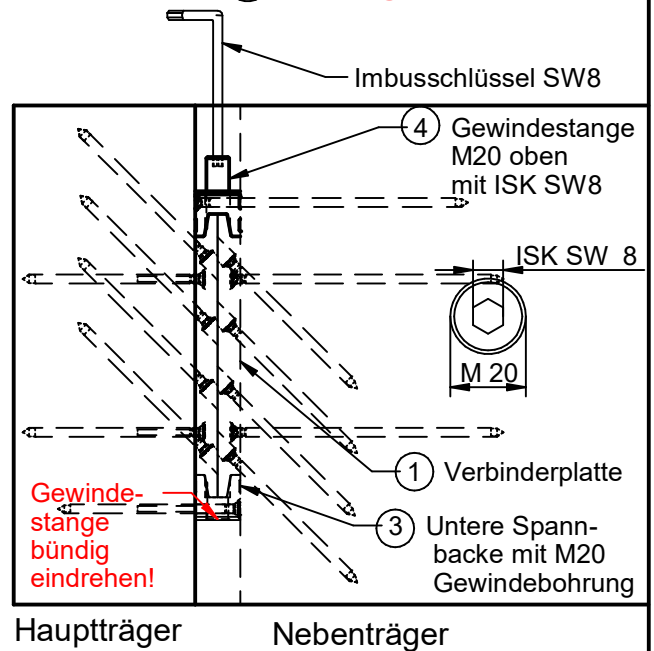
Ablauf verdeckte Montage

ALU AW 6005

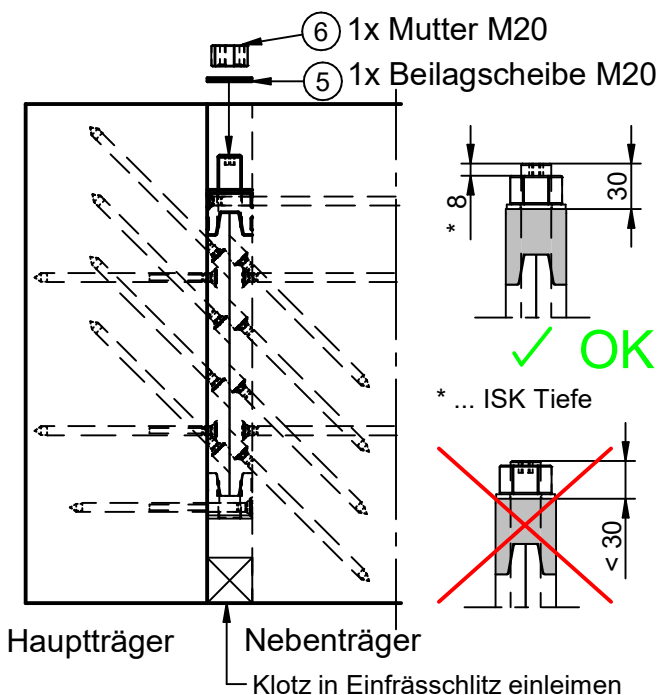
1. Nebenträger einhängen



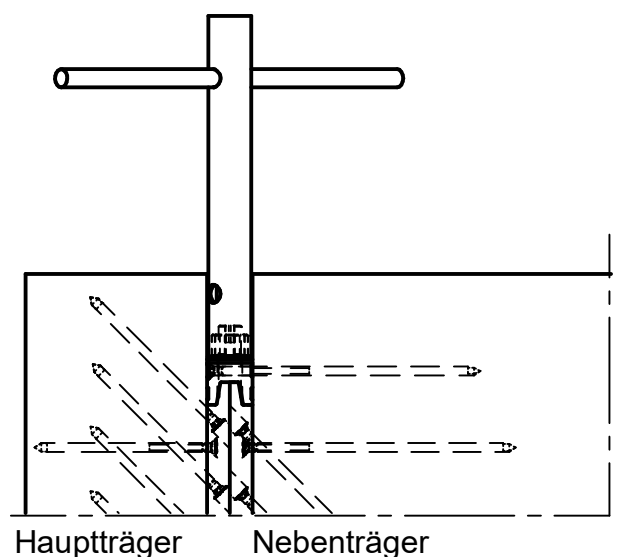
2. Gewindestange ④ (M20) in untere Spannbacke ③ **bündig** eindrehen



3. Spannbacke, Beilagscheibe und Mutter M20 aufsetzen



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





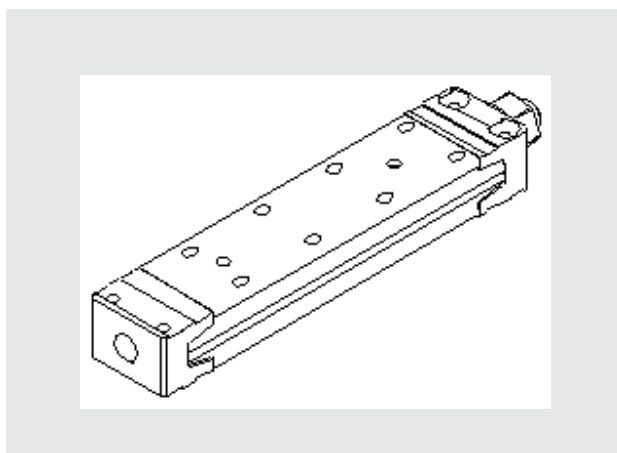
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Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale France ■ 1A Rue du Stade ■ F - 67880 Innenheim Tel.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

Montageanleitung

Construction Manual

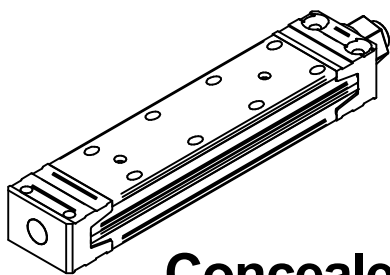
Notice de montage

VERSION



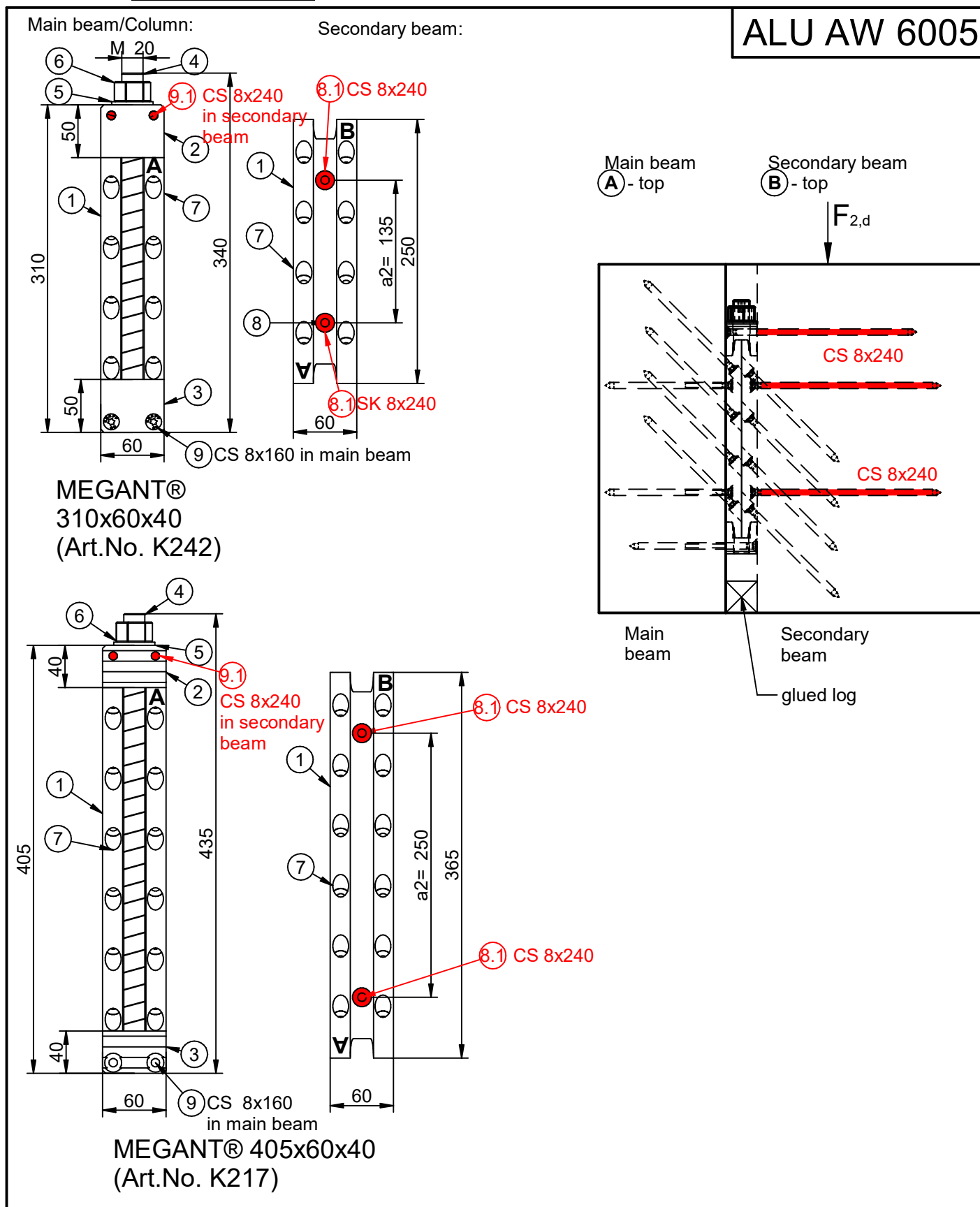
Art.-No.

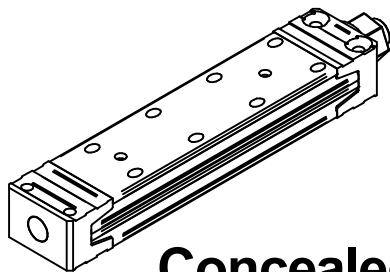
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MEGANT® 60

Concealed installation Overview of standard sizes

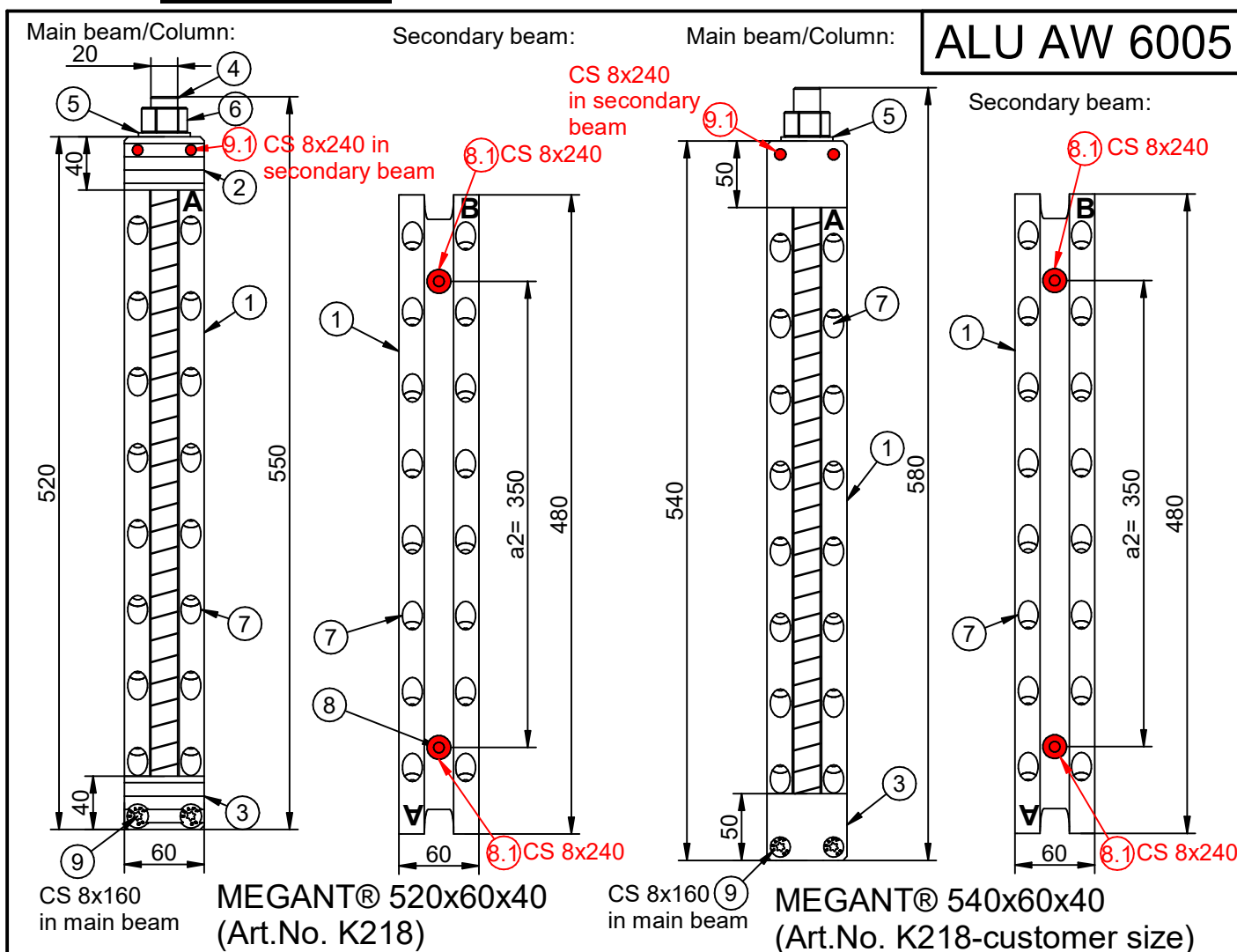




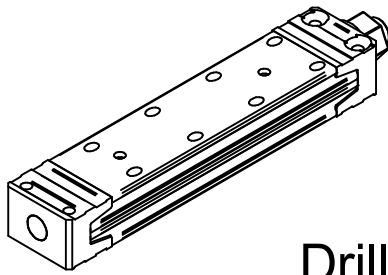
MEGANT® 60

Concealed installation

Overview of standard sizes



Pos No.	Art. No.	part description	MEGANT® sizes (ALU AW 6005)			
			310x60x40	405x60x40	520x60x40	540x60x40
			Art. No. K242	Art. No. K217	Art. No. K218	Art. No. K218 So
1	K200-K202	connector plates	250x60x20	365x60x20	480x60x20	480x60x20
2	K207	clamping jaw top	50x40x60; D20	40x40x60; D20	40x40x60; D20	50x40x60; D20
3	K208	clamping jaw bottom	50x40x60; M20	40x40x60; M20	40x40x60; D20	50x40x60; D20
4	Z924/Length	threaded rod	1xM20x340	1xM20x435	1xM20x550	1xM20x580
5	Z657	washer	1xM20	1xM20	1xM20	1xM20
6	Z656	nut	1xM20	1xM20	1xM20	1xM20
7	Z581	Inclined screw connection	16x CS 8x160	24x CS 8x160	32x CS 8x160	32x CS 8x160
8	Z581	horizontal screws	2x CS 8x160	2x CS 8x160	2x CS 8x160	2x CS 8x160
8.1	Z672	horizontal screws	2x CS 8x240	2x CS 8x240	2x CS 8x240	2x CS 8x240
9	Z581	Clamping jaw screws	2x CS 8x160	2x CS 8x160	2x CS 8x160	2x CS 8x160
9.1	Z672	Clamping jaw screws	2x CS 8x240	2x CS 8x240	2x CS 8x240	2x CS 8x240

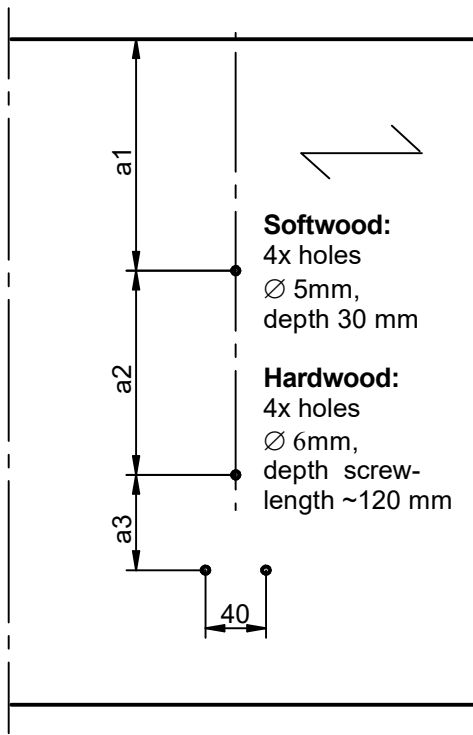


MEGANT® 60

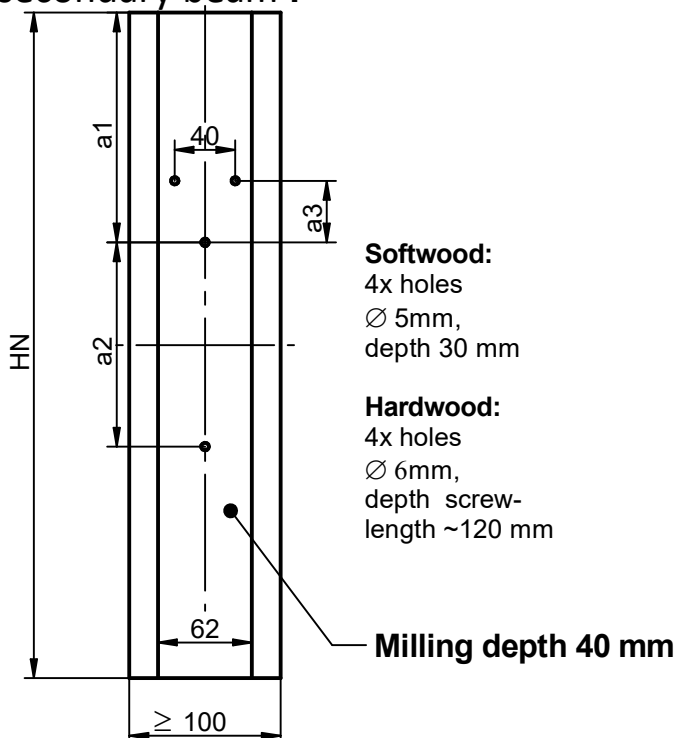
Drilling pattern concealed central installation

ALU AW 6005

Drill pattern main beam !

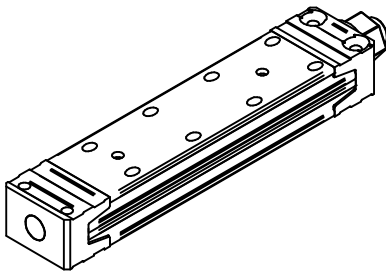


Milling pattern and positioning holes for central, concealed installation in the secondary beam !



Pre-drilling concealed installation of connector				
Secondary beam	Pre-drill spacing a1 with respect to secondary beam member height H_N [mm]			
Height	MEGANT®	MEGANT®	MEGANT®	MEGANT®
H_N [mm]	310x60	405x60	520x60	540x60
400	133			
440	153			
480	173			
520	193	135		
560	213	155		
600	233	175		
640		195	145	145
680		215	165	165
700		225	175	175
720		235	185	185
760		255	205	205
800		275	225	225
840			245	245
880			265	265
920			285	285
960			305	305
1000			325	325

Distance	MEGANT®	MEGANT®	MEGANT®	MEGANT®
	310x60	405x60	520x60	540x60
a2 [mm]	135	250	350	350
a3 [mm]	78	68	75	85



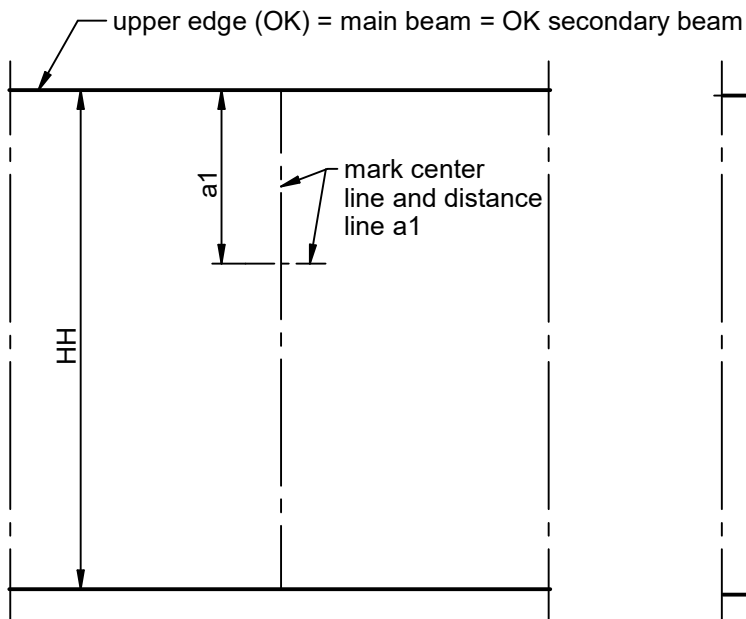
Assembly Instructions

MEGANT® 60

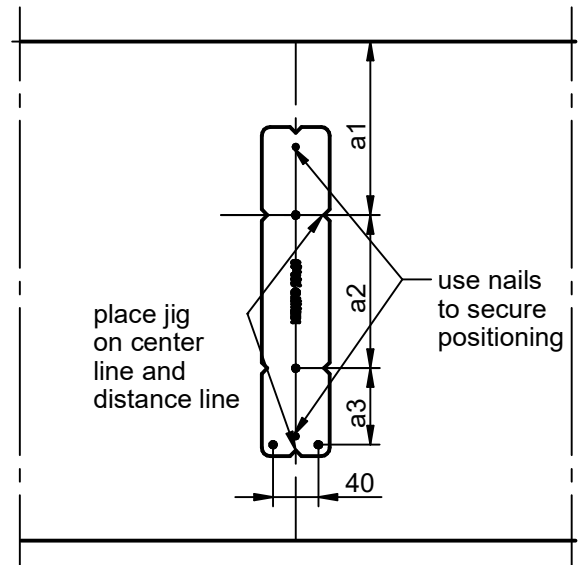
Main beam pre-drilling with template

ALU AW 6005

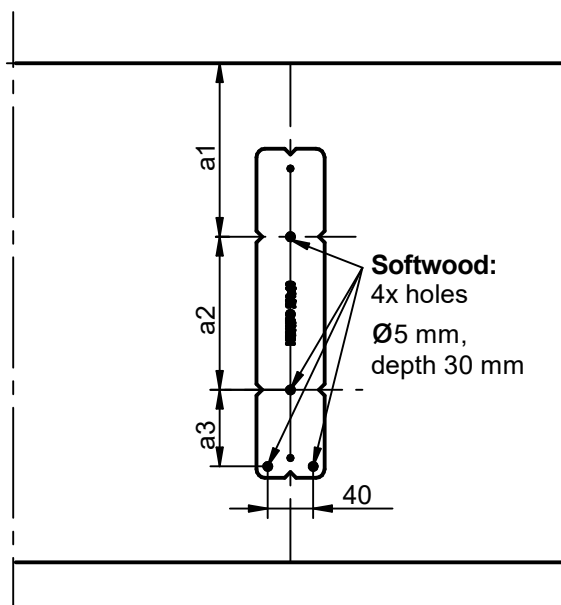
1.) Marking

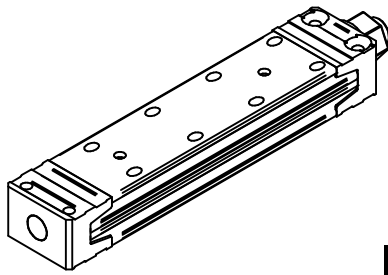


2.) Place template



3.) Drilling



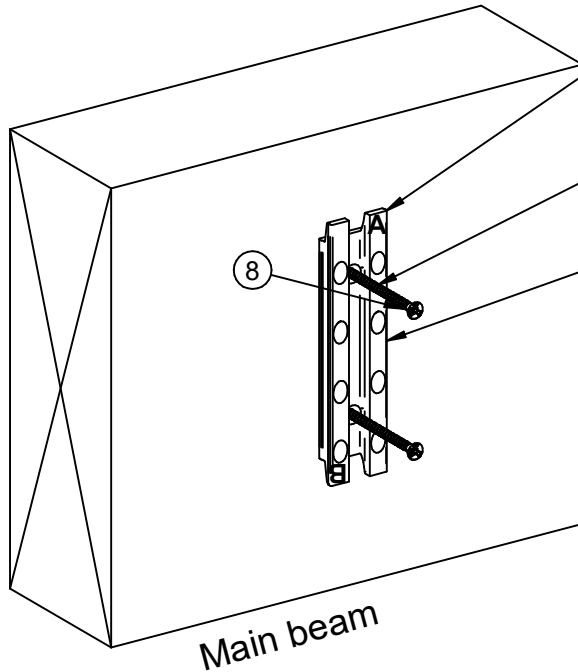


MEGANT® 60

Install MEGANT concealed on main beam

ALU AW 6005

1.)



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

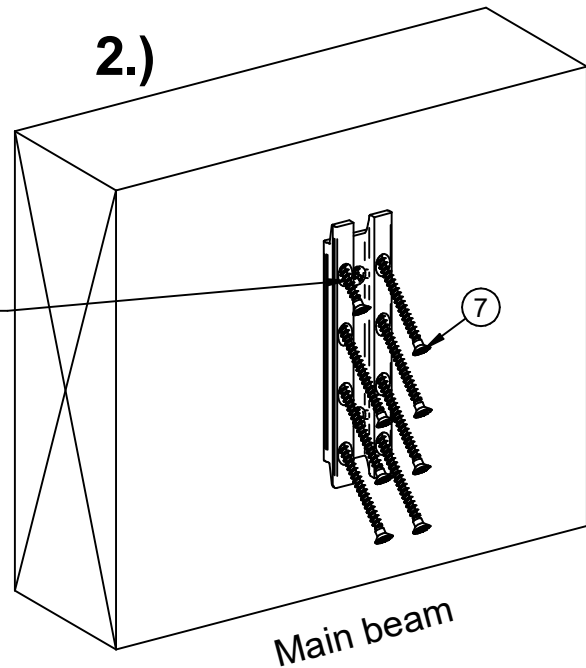
install horizontal screws (8)

connector plate (1)

Main beam

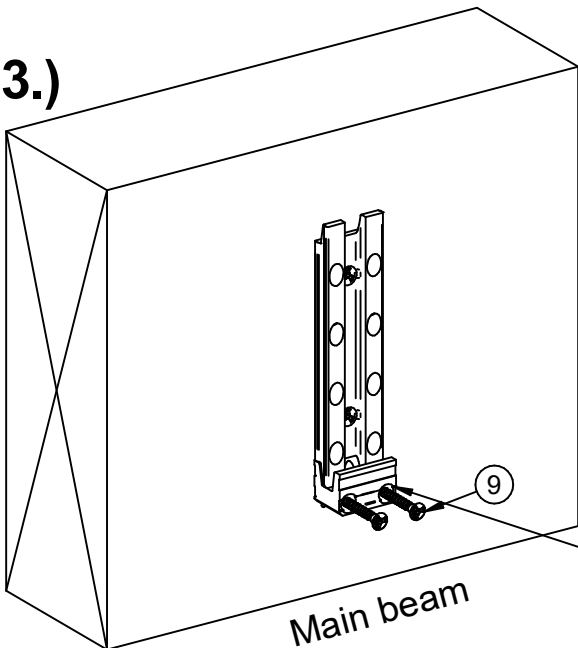
Screw inclined screws (7) into connector plate (1) from top to bottom in rows max. tightening torque $M_t = 20\text{Nm}$ (ensure they are tightened firmly)

2.)



Main beam

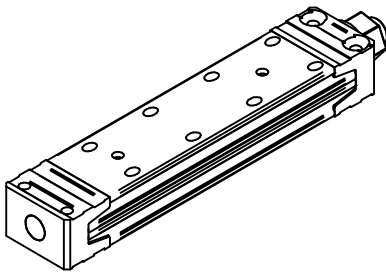
3.)



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)

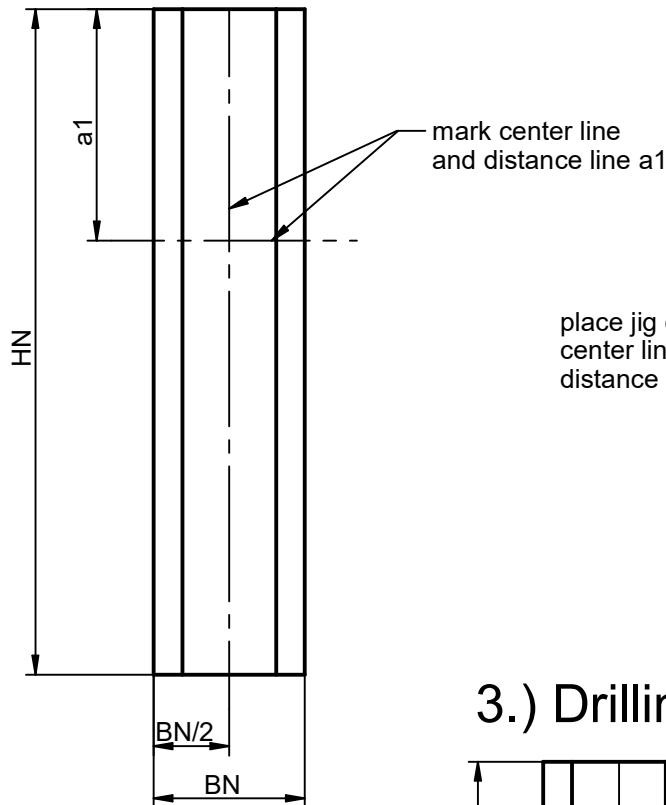


MEGANT® 60

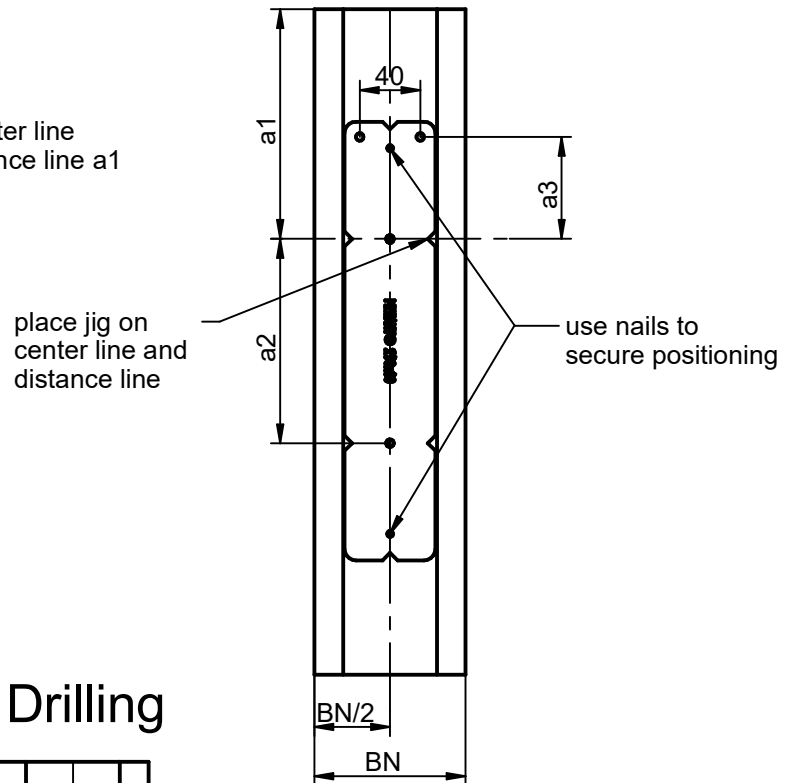
Secondary beam pre-drilling with template

ALU AW 6005

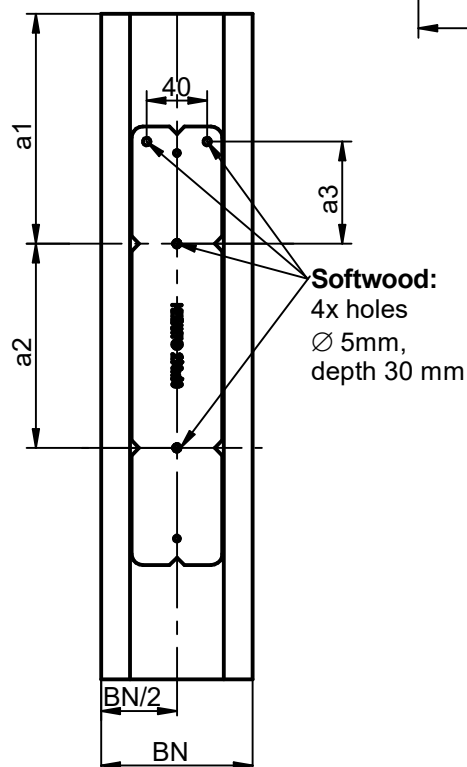
1.) Marking

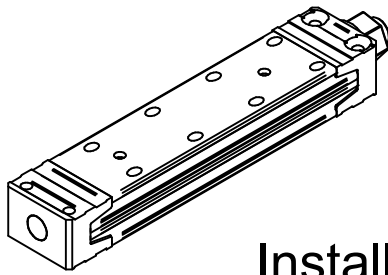


2.) Place template



3.) Drilling



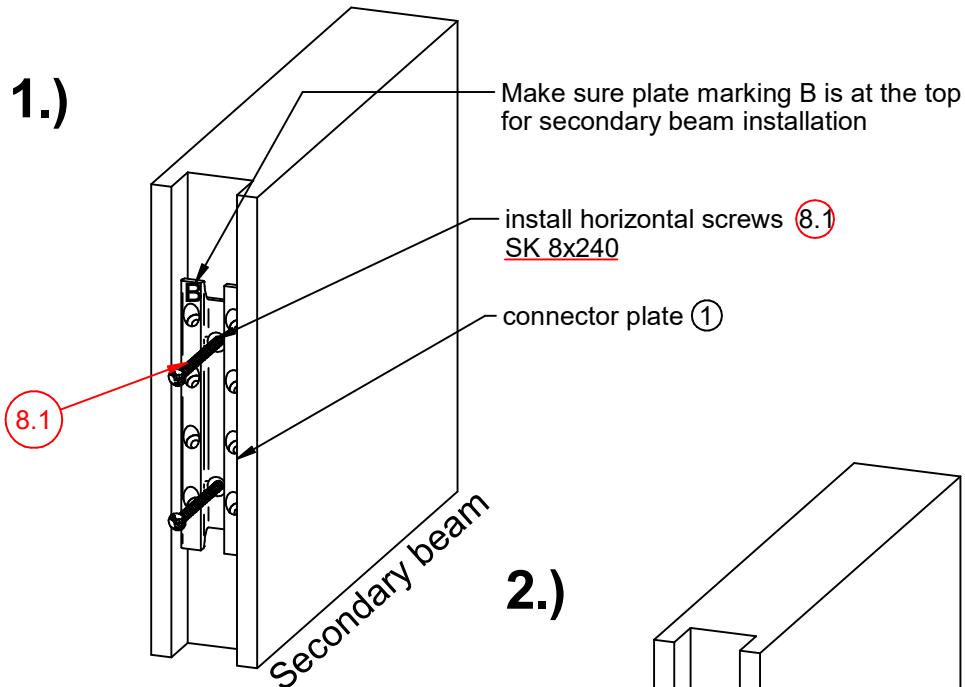


MEGANT® 60

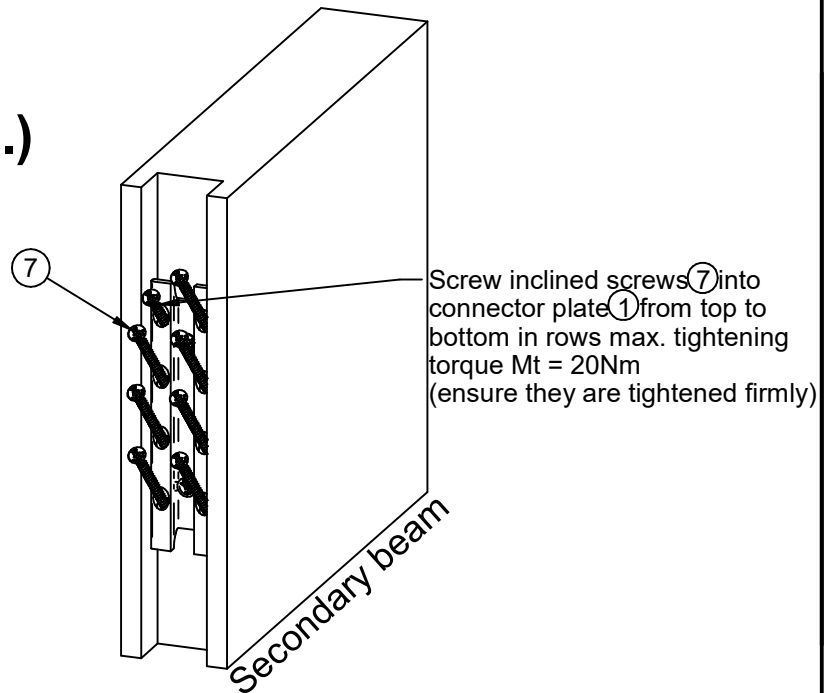
Install MEGANT concealed on secondary beam

ALU AW 6005

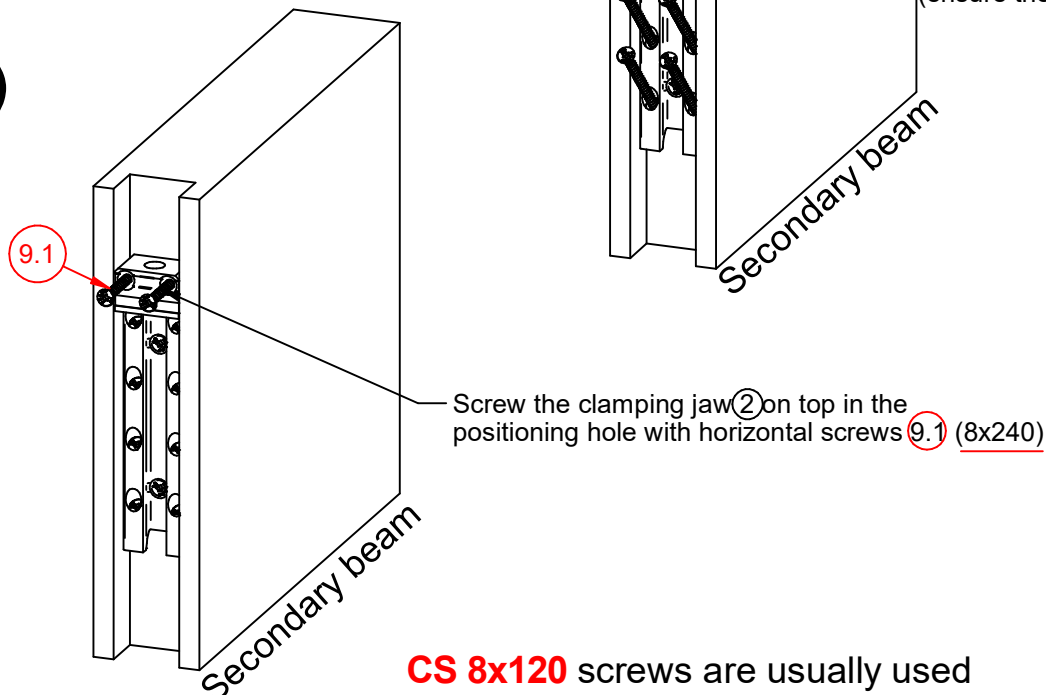
1.)



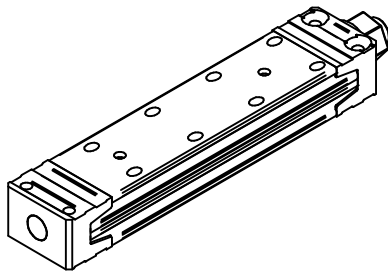
2.)



3.)



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

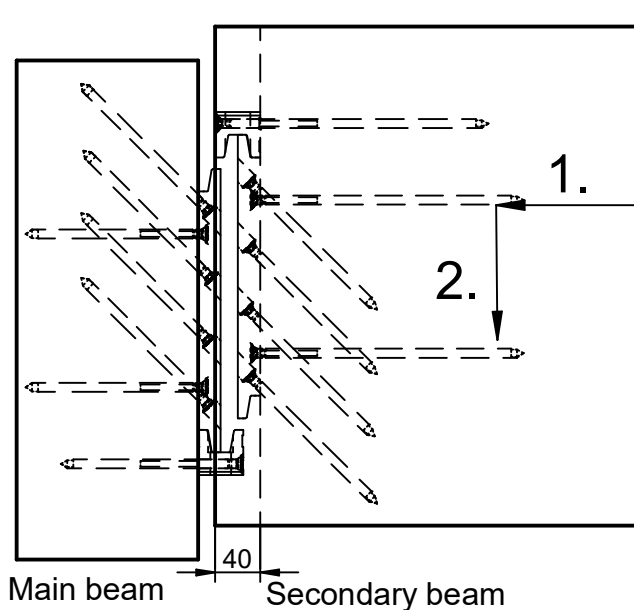


MEGANT® 60

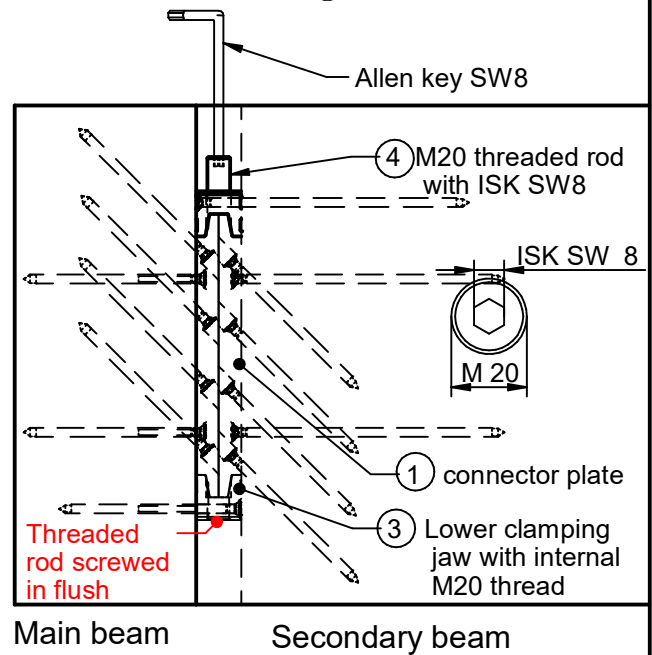
Process of Concealed assembly

ALU AW 6005

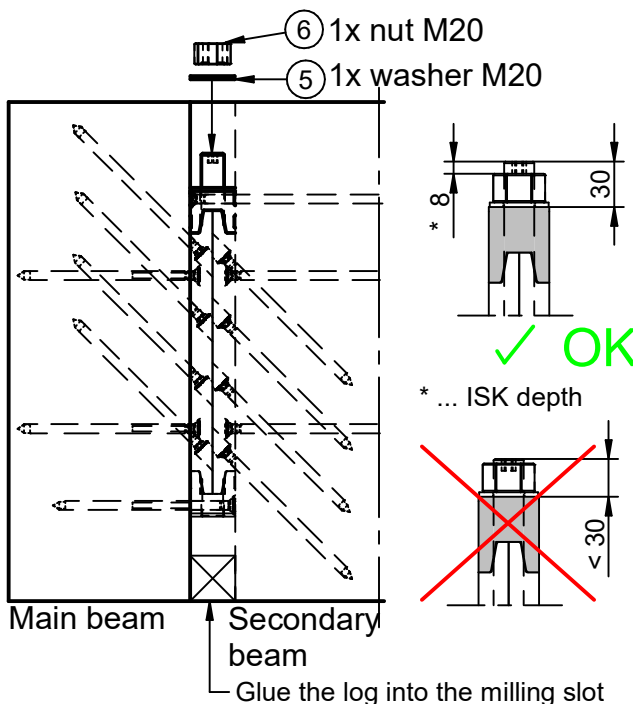
1. Install secondary beam



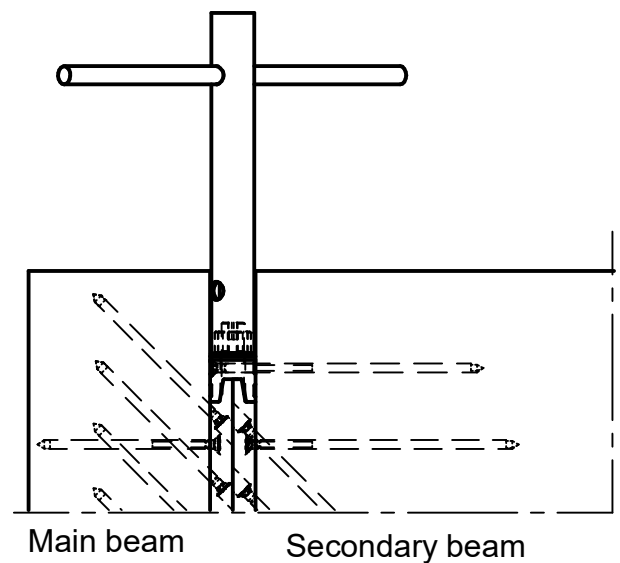
2. Install M20 threaded rod ④ in lower clamping jaw ③ flush



3. Install clamping jaw, washer and M20 nut



4. Tighten M20 nut with SW 30 wrench (40 Nm) !





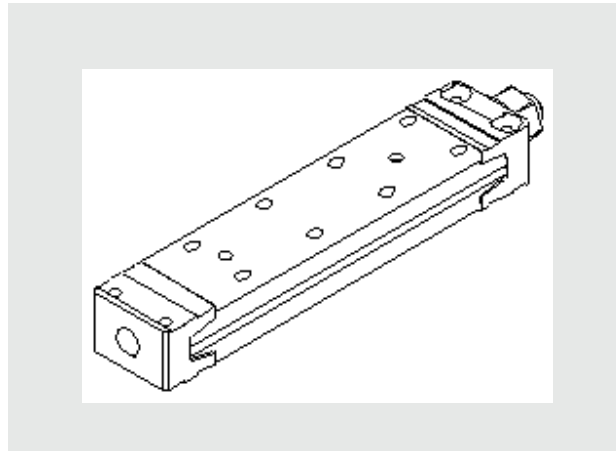
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Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale France ■ 1A Rue du Stade ■ F - 67880 Innenheim Tel.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

Montageanleitung

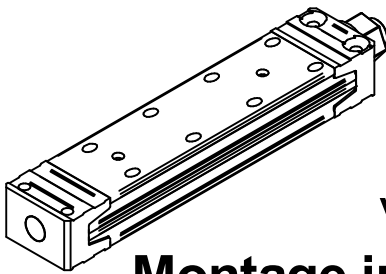
Construction Manual

Notice de montage

VERSION



Réf.



MEGANT® 60

Vue d'ensemble des dimensions spéciales

Montage invisible

- disponibles sur demande

Poutres principales/ poteaux (P.P.):

Poutres principales/ poteaux (P.P.):

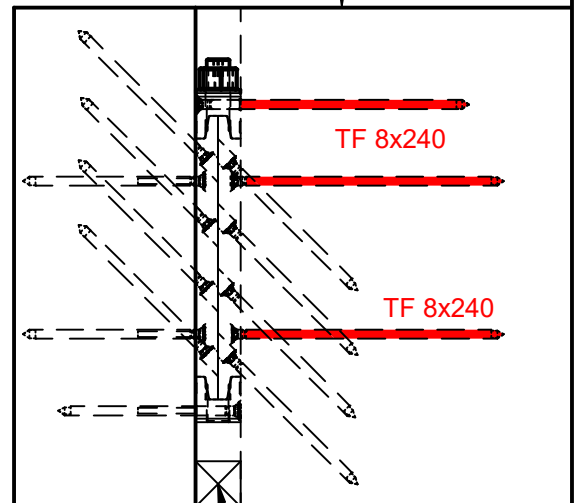
ALU AW 6005

Repérage des plaques:

Poutre principale
A en haut

Poutre secondaire
B en haut

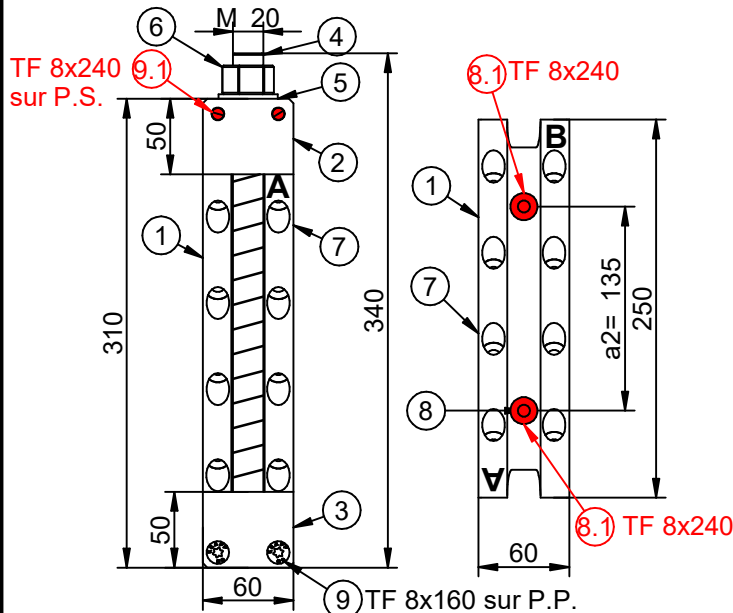
$F_{2,d}$



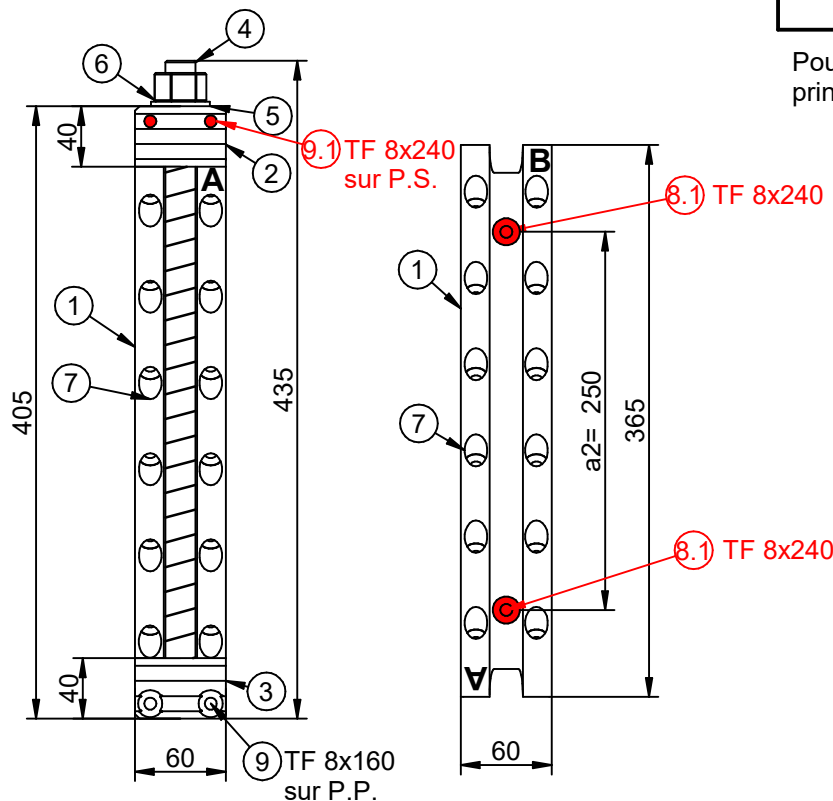
Poutre principale

Poutre secondaire

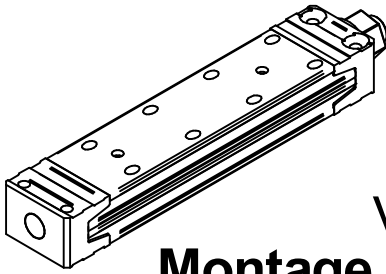
Cale collée



MEGANT® 310x60x40
(Réf. K242)



MEGANT® 405x60x40
(Réf. K217)

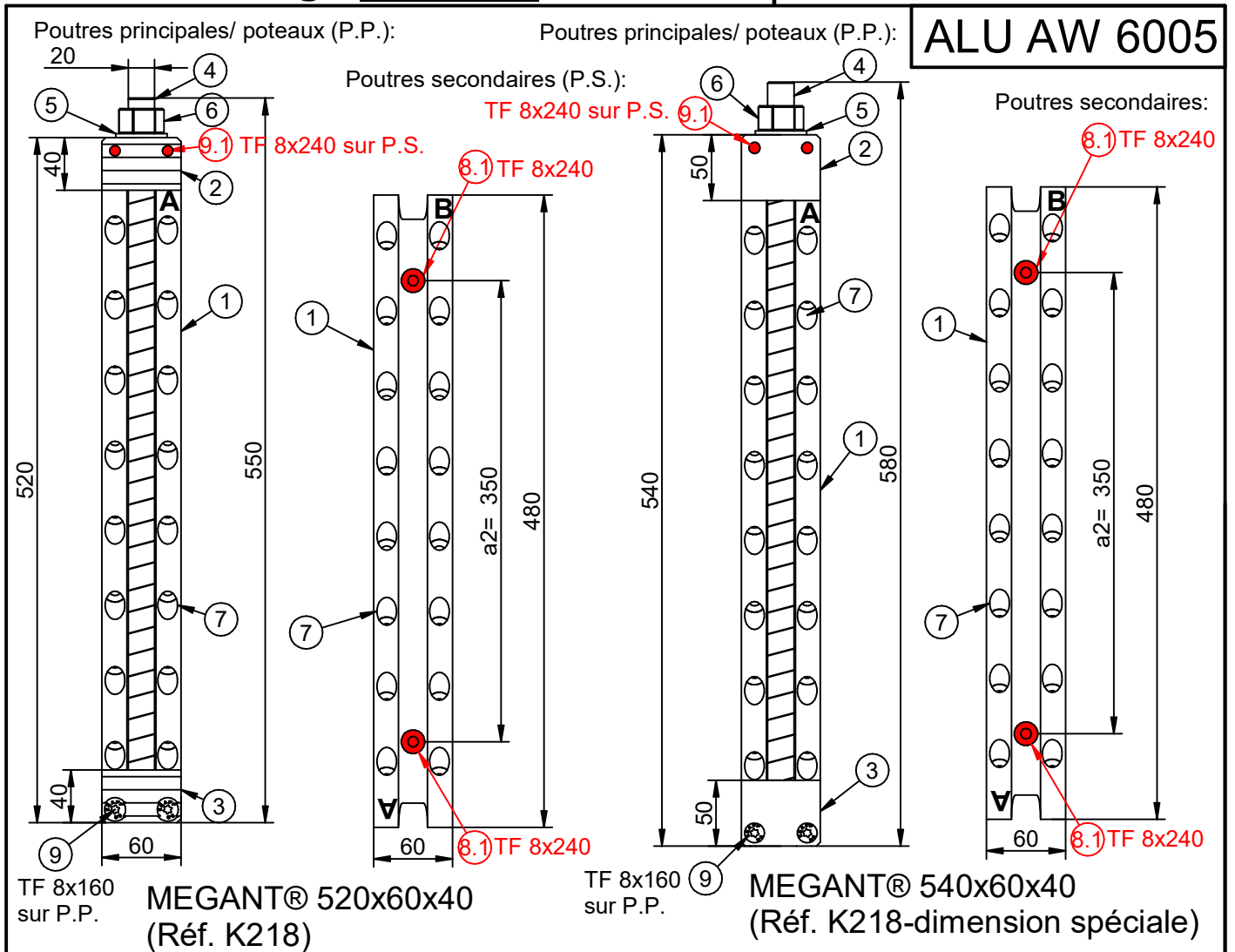


MEGANT® 60

Vue d'ensemble des dimensions spéciales
- disponibles sur demande

Montage invisible

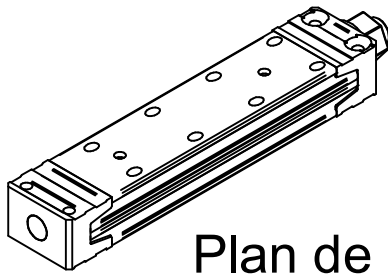
ALU AW 6005



N° pos.	Réf.	Désignations	Dimensions MEGANT (AW6005)			
			310x60x40 Réf. K242	405x60x40 Réf. K217	520x60x40 Réf. K218	540x60x40 Réf. K218
1	K200-K202	Plaques principales	250x60x20	365x60x20	480x60x20	480x60x20
2	K207	Mâchoire haute	50x40x60; D20	40x40x60; D20	40x40x60; D20	50x40x60; D20
3	K208	Mâchoire basse	50x40x60; M20	40x40x60; M20	40x40x60; D20	50x40x60; D20
4	Z924/Longueur	Tige filetée	1xM20x340	1xM20x435	1xM20x550	1xM20x580
5	Z657	Rondelle	1xM20	1xM20	1xM20	1xM20
6	Z656	Écrou	1xM20	1xM20	1xM20	1xM20
7	Z581	Vissage biais	16x TF8x160	24x TF8x160	32x TF8x160	32x TF8x160
8	Z581	Vissage horizontal	2x TF8x160	2x TF8x160	2x TF8x160	2x TF8x160
8.1	Z672	Vissage horizontal	2x TF8x240	2x TF8x240	2x TF8x240	2x TF8x240
9	Z581		2x TF8x160	2x TF8x160	2x TF8x160	2x TF8x160
9.1	Z672	Vissage mâchoires	2x TF8x240	2x TF8x240	2x TF8x240	2x TF8x240

Ce dessin est la propriété de Knapp GmbH.

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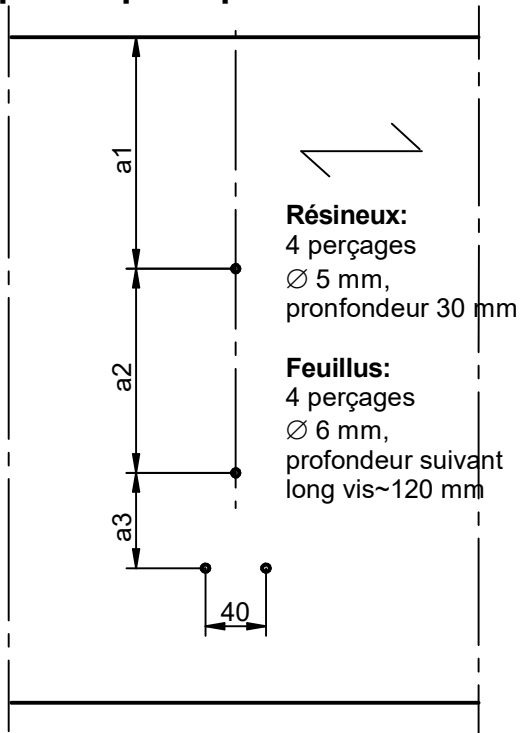


MEGANT® 60

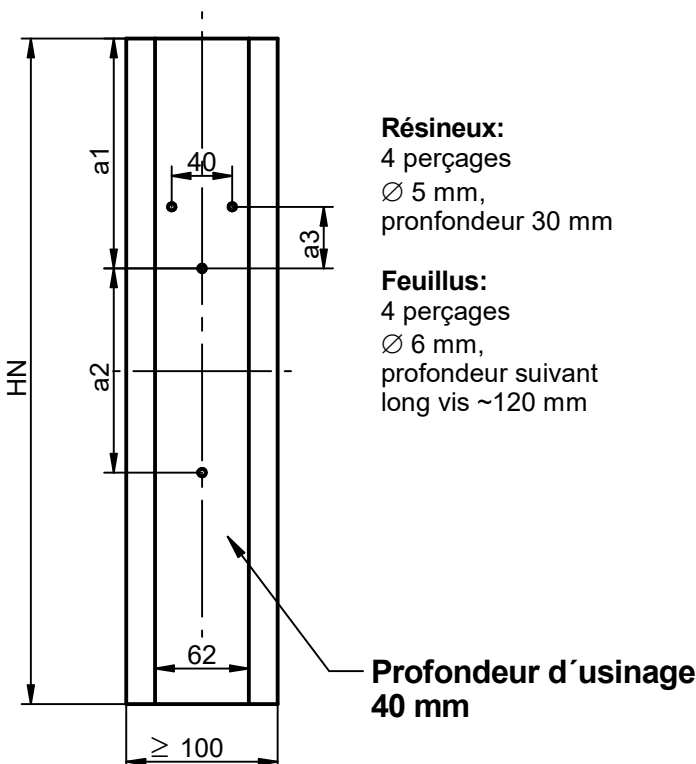
Plan de perçage pour montage centré et encastré

Réaliser les perçages de positionnement sur la poutre principale !

ALU AW 6005

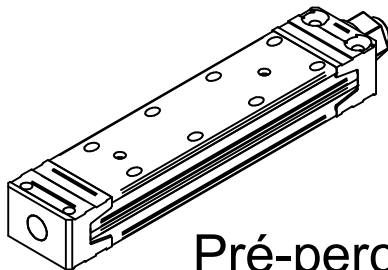


Réaliser les perçages de positionnement sur la poutre secondaire !



Perçages pour mise en oeuvre encastrée (invisible)				
Poutre secondaire	Distances de perçage a1 en relation avec la hauteur de poutre secondaire HN [mm]			
Hauteur	MEGANT®	MEGANT®	MEGANT®	MEGANT®
HN [mm]	310x60	405x60	520x60	540x60
400	133			
440	153			
480	173			
520	193	135		
560	213	155		
600	233	175		
640		195	145	145
680		215	165	165
700		225	175	175
720		235	185	185
760		255	205	205
800		275	225	225
840			245	245
880			265	265
920			285	285
960			305	305
1000			325	325

Distances	MEGANT®	MEGANT®	MEGANT®	MEGANT®
	310x60	405x60	520x60	540x60
a2 [mm]	135	250	350	350
a3 [mm]	78	68	75	85

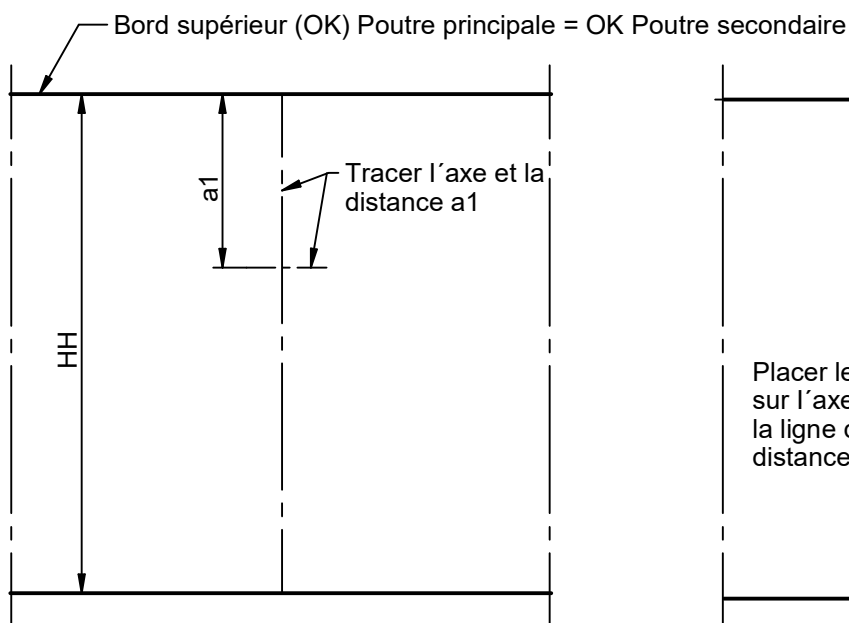


MEGANT® 60

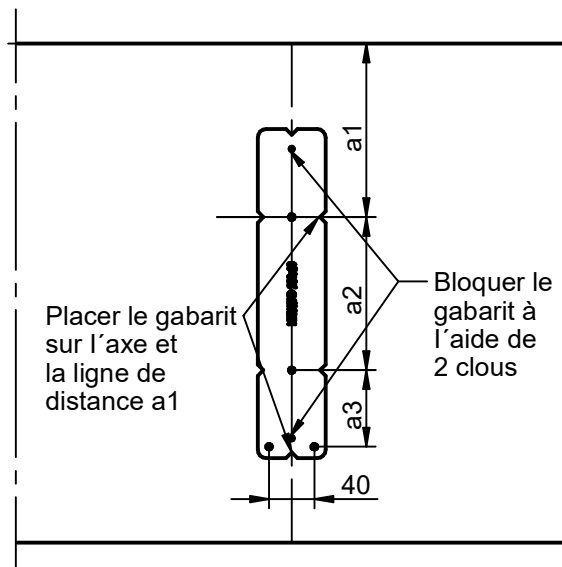
Pré-perçage de la poutre principale avec le gabarit

ALU AW 6005

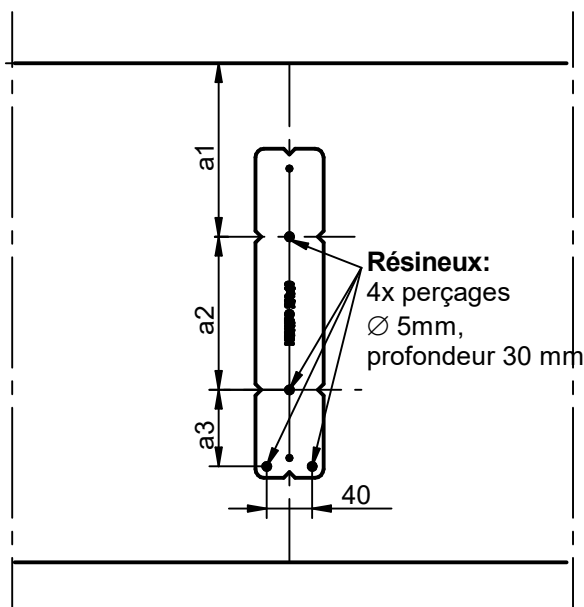
1.) Tracer

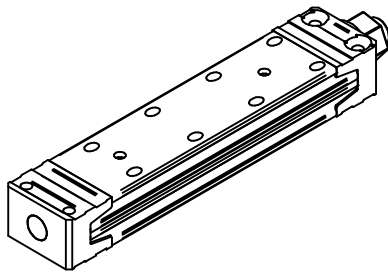


2.) Positionner le gabarit



3.) Percer



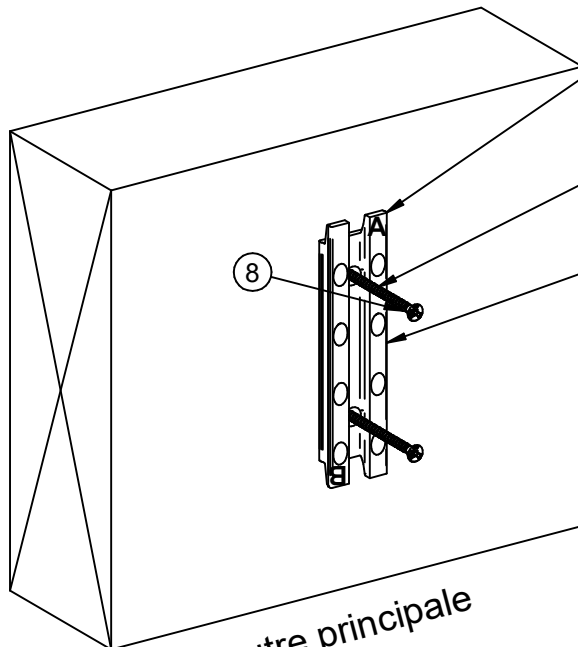


MEGANT® 60

Vissage sur poutre principale

ALU AW 6005

1.)



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

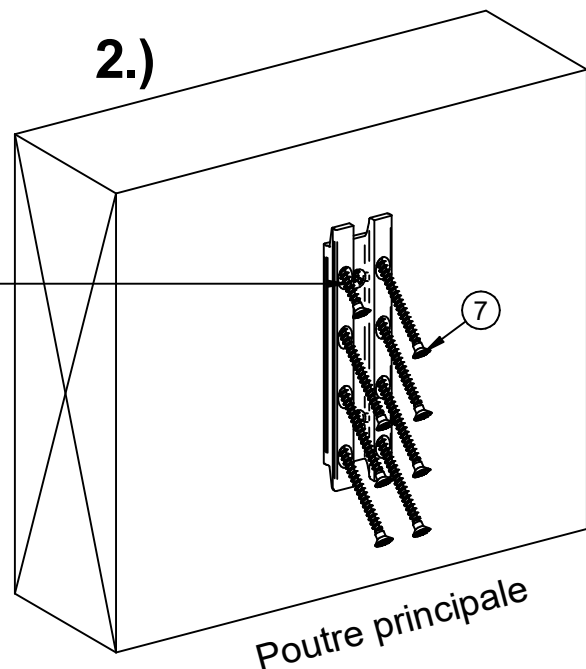
Visser les vis de positionnement
horizontale **8**

Plaque principale **1**

Poutre principale

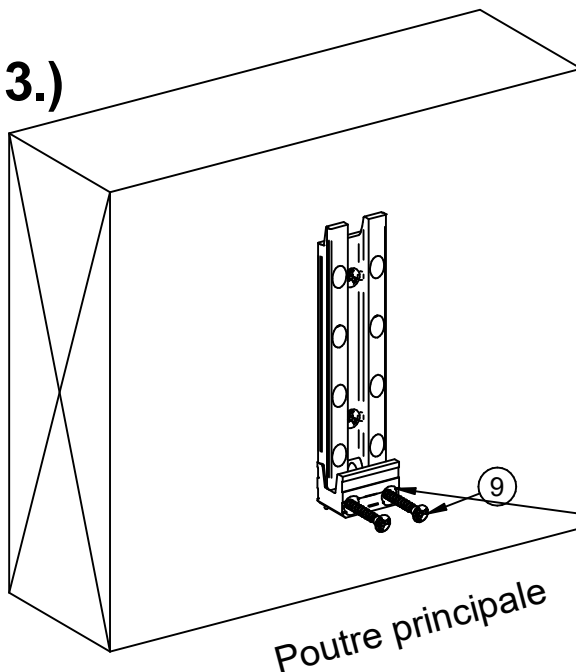
Visser les vis biais **7** sur la
plaque principale **1** en
commençant par le haut
Couple de serrage max.
Mt = 20 Nm
(visser les vis bien à fond)

2.)



Poutre principale

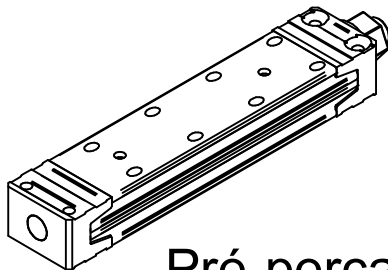
3.)



Poutre principale

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**

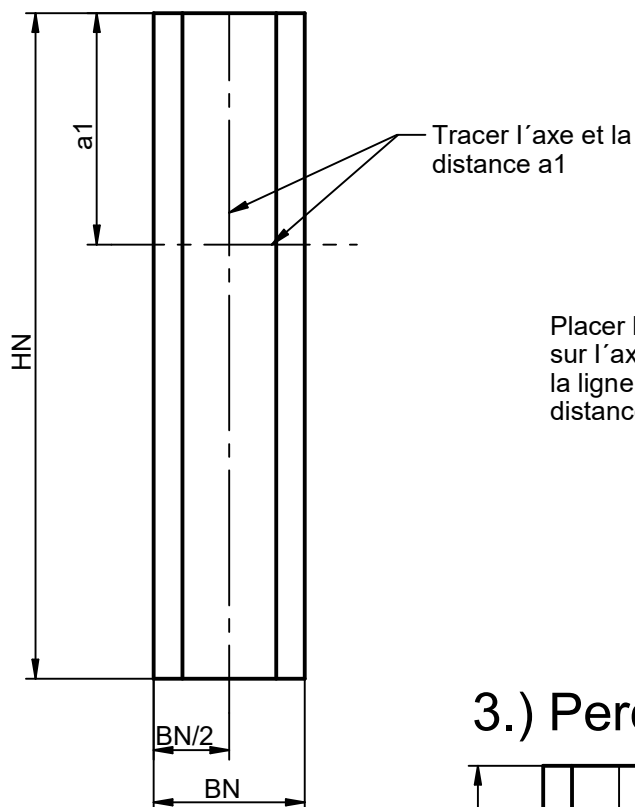


MEGANT® 60

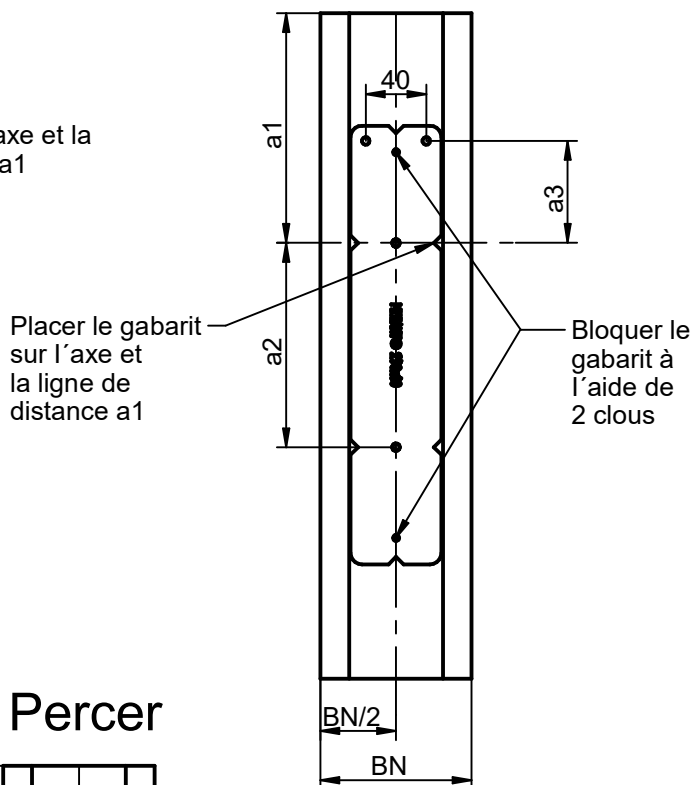
Pré-perçage de la poutre secondaire avec le gabarit

ALU AW 6005

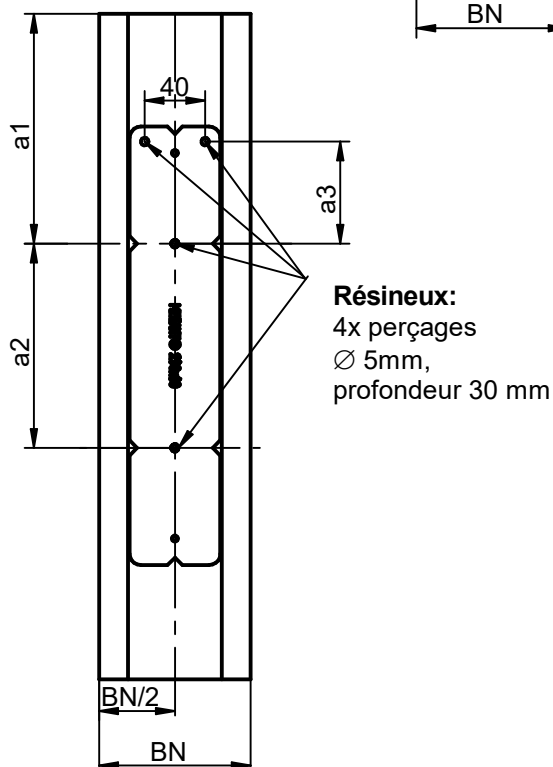
1.) Tracer

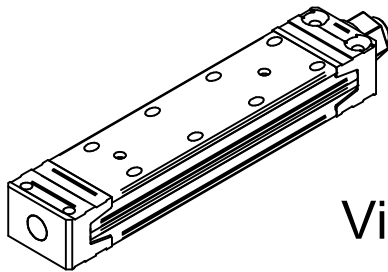


2.) Positionner le gabarit



3.) Percer



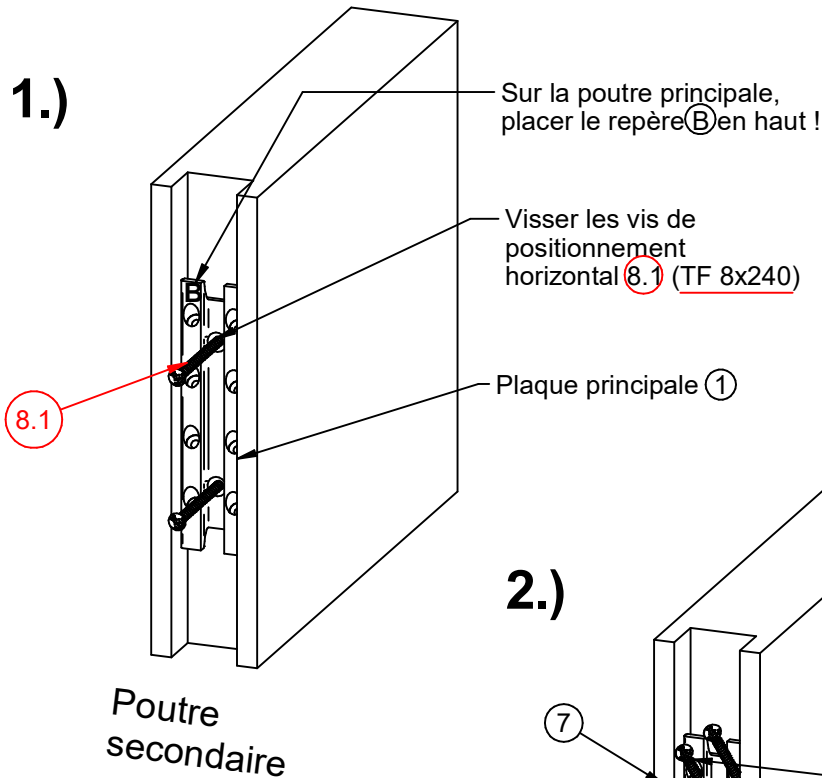


MEGANT® 60

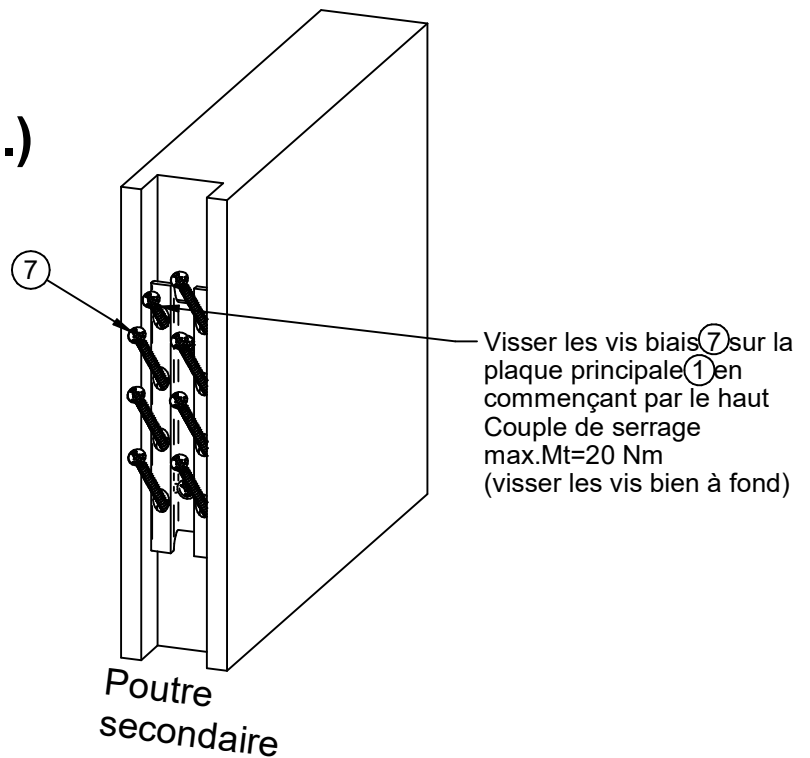
Visser MEGANT dans l'encastrement sur la poutre secondaire

ALU AW 6005

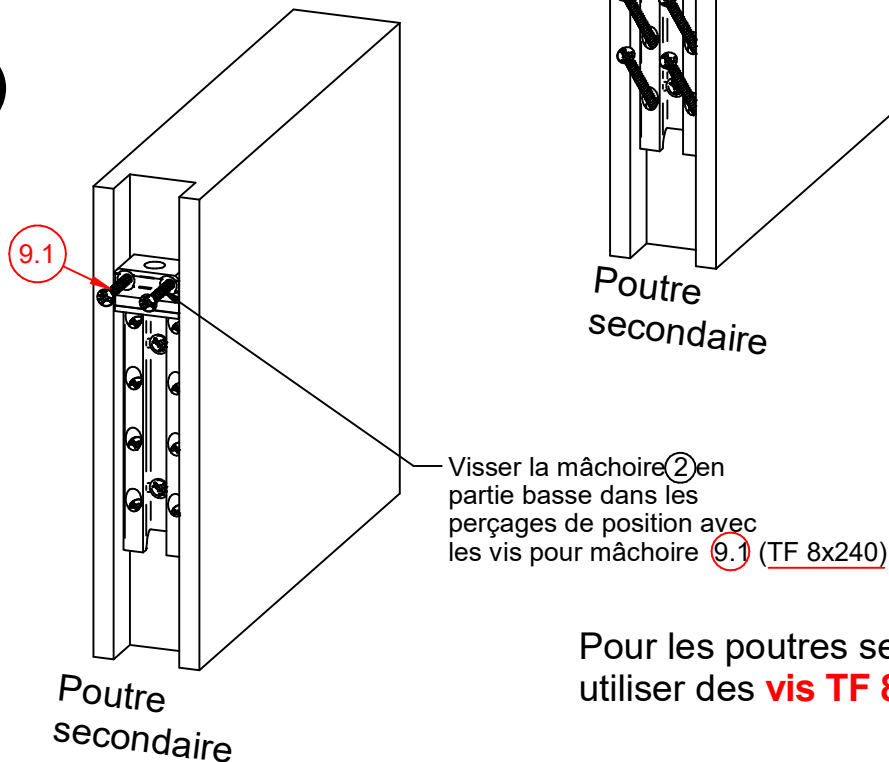
1.)



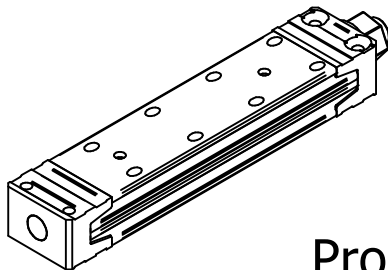
2.)



3.)



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

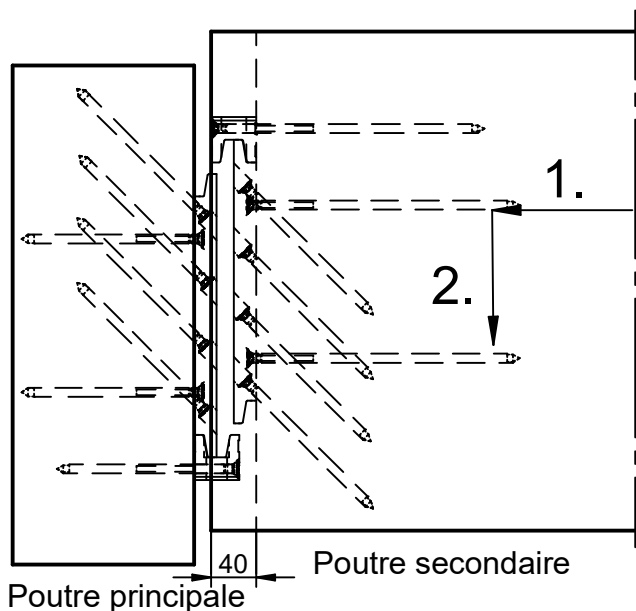


MEGANT® 60

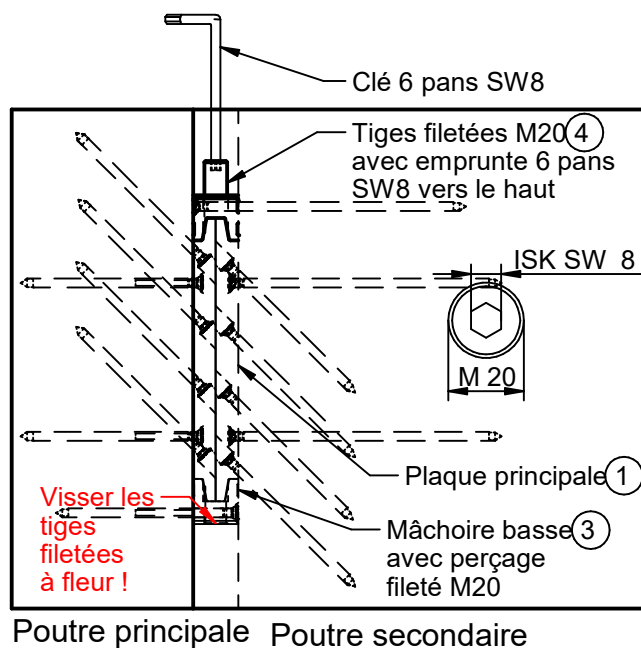
Procédure de montage connecteurs **invisibles**

ALU AW 6005

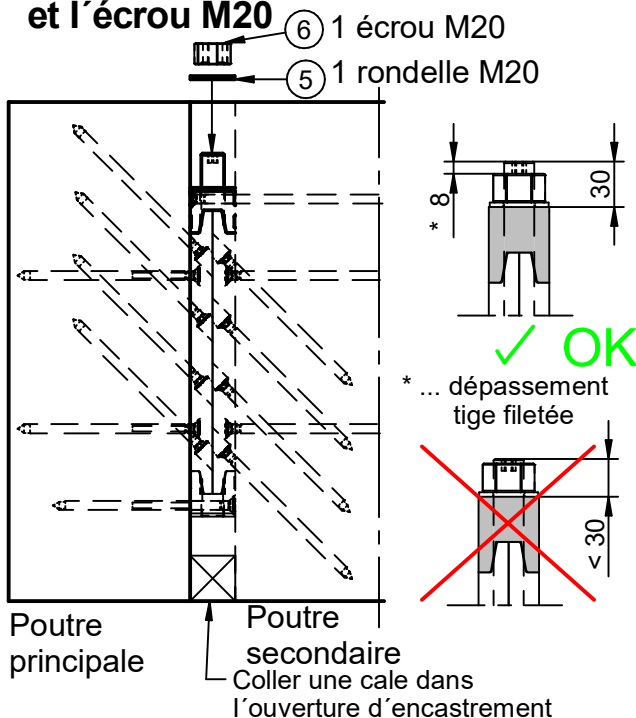
1. Accroche de la poutre secondaire



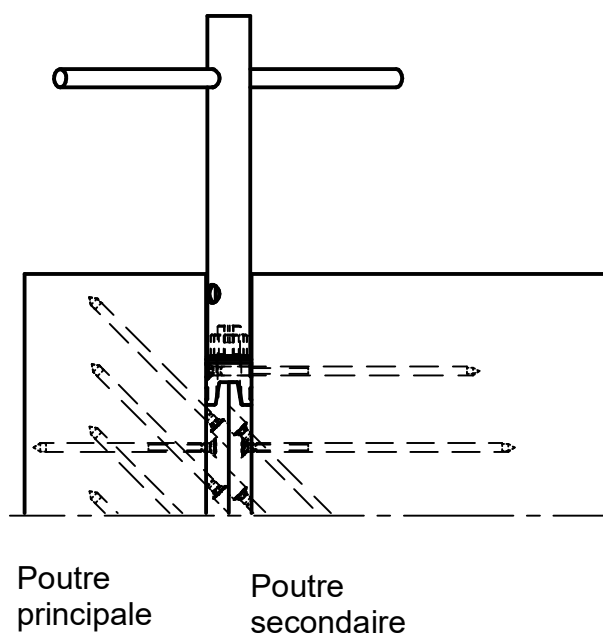
2. Visser les tiges filetées ④ (M20) à fleur dans la mâchoire inférieure ③



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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