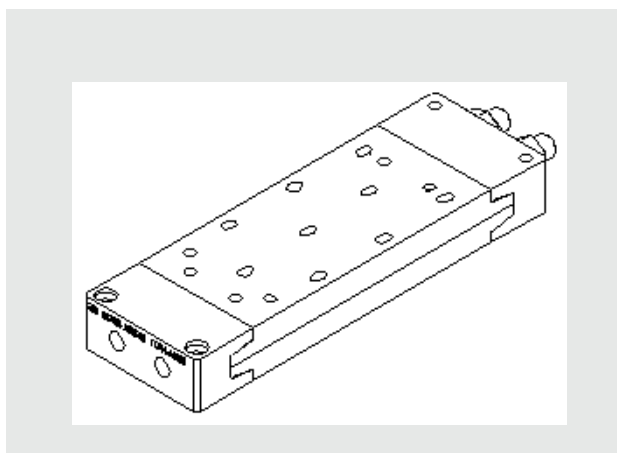


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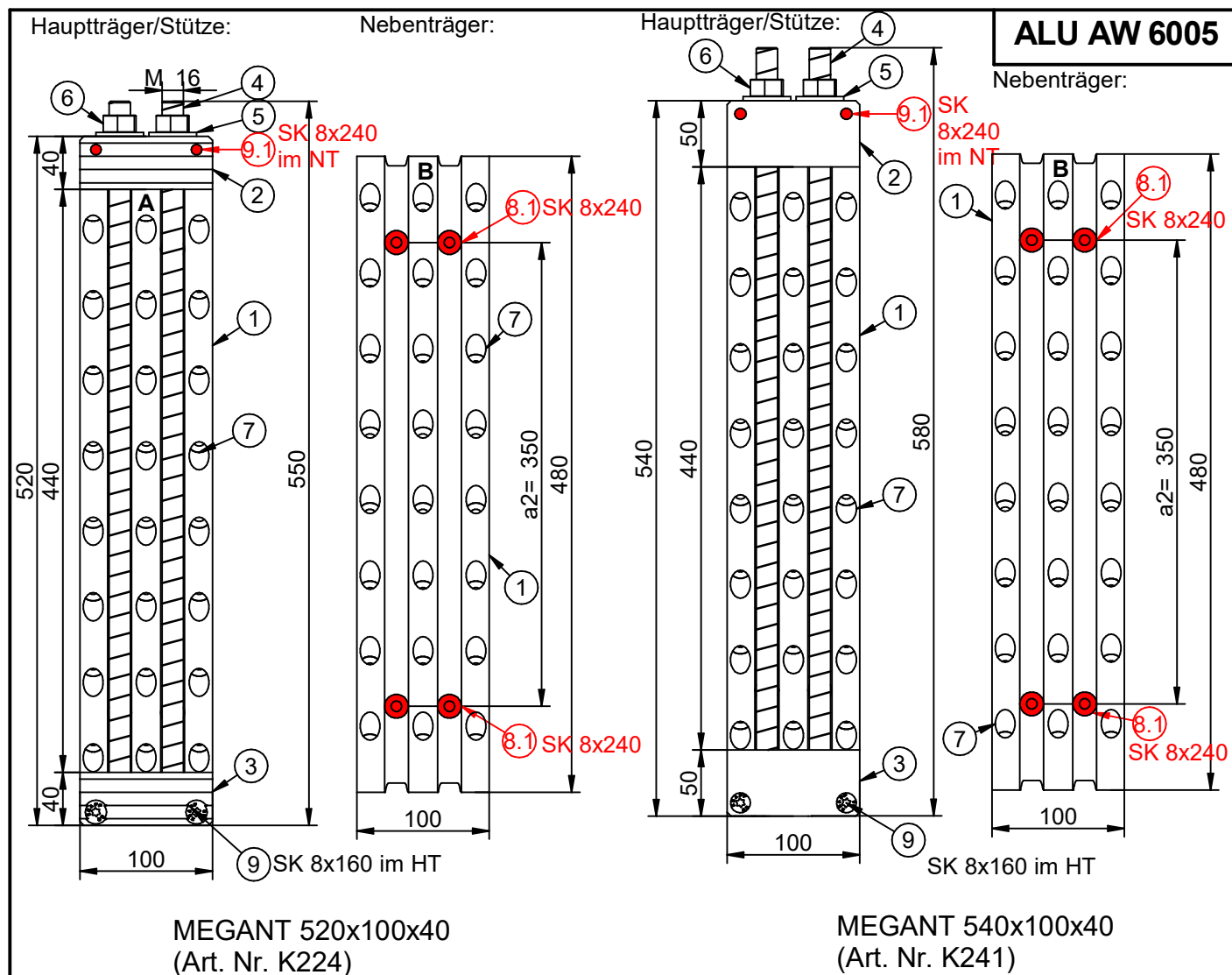


Art.-Nr.

MEGANT® 100

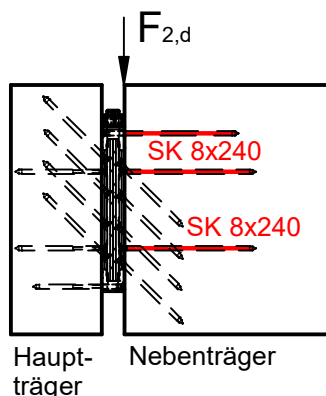
Sichtbarer Einbau

Übersicht Standardgrößen



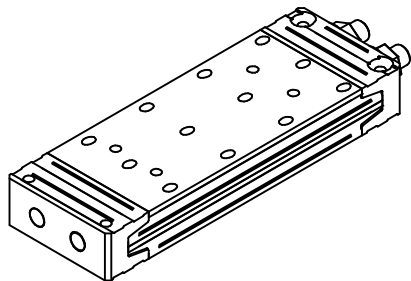
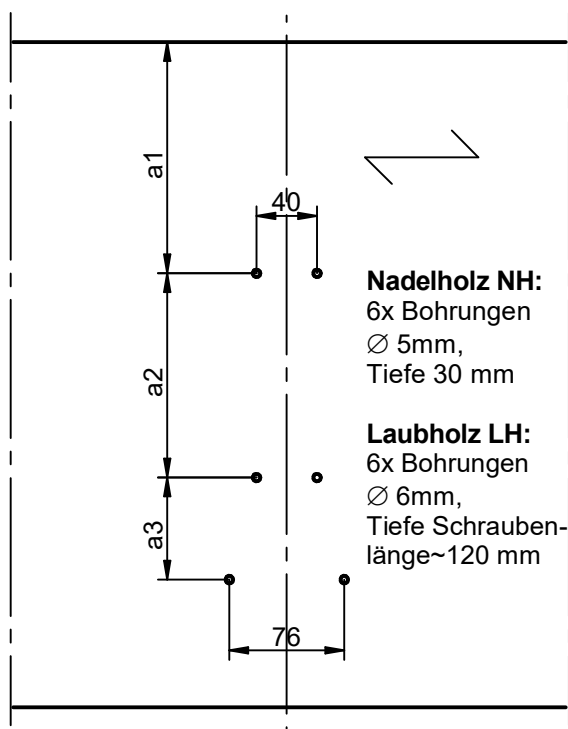
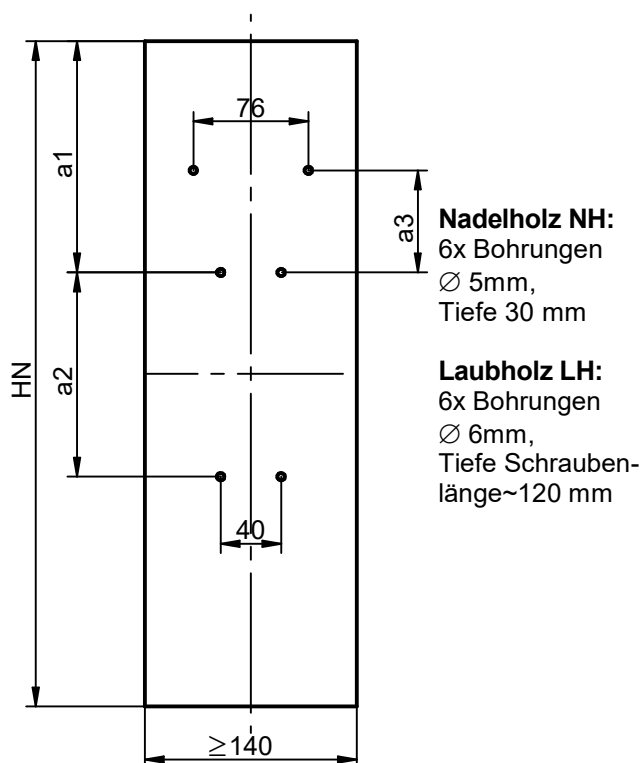
Verbinderplatten - kennzeichnung

Hauptträger (A) oben
Nebenträger (B) oben



Pos Nr.	Art. Nr.	Bauteil	MEGANT® Größen	
			520x100x40 Art. Nr. K224	540x100x40 Art. Nr. K241
1	-	Verbinderplatte	480x100x20 (K199)	480x100x20 (K199)
2	K211	Spannbacke oben	40x40x100; D16	50x40x100; D16
3	K212	Spannbacke unten	40x40x100; M16	50x40x100; M16
4	Z925/Länge	Gewindestange	2xM16x550 (Z925 /550)	2xM16x580 (Z925 /580)
5	Z621	Beilagscheibe	2xM16	2xM16
6	Z620	Mutter	2xM16	2xM16
7	Z581	Schrägverschraubung	48x SK8x160	48x SK8x160
8	Z581	Horizontalverschraubung	4x SK8x160	4x SK8x160
8.1	Z672	Horizontalverschraubung	4x SK8x240	4x SK8x240
9	Z581	Spannbacken-Verschraubung	2x SK8x160	2x SK8x160
9.1	Z672	Verschraubung	2x SK8x240	2x SK8x240

MEGANT® 100

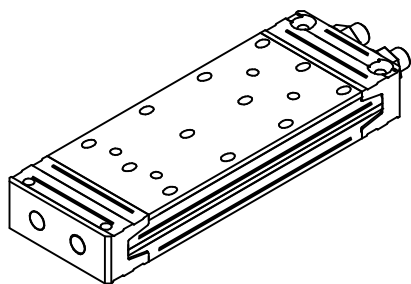
Bohrbild sichtbarer mittiger Einbau

Positionierbohrungen im Hauptträger erstellen !
ALU AW 6005

**Positionierbohrungen für mittige
Montage im Nebenträger erstellen !**


Bohrmaße bei aufgeschraubten sichtbaren Einbau		
Neben- träger	Bohrabstände a1 in Abhängigkeit der Nebenträgerhöhe H _N [mm]	
Höhe	MEGANT®	MEGANT®
H _N [mm]	520x100	540x100
400		
440		
480		
520		
560		
600		
640	145	145
680	165	165
700	175	175
720	185	185
760	205	205
800	225	225
840	245	245
880	265	265
920	285	285
960	305	305
1000	325	325

Abstände	MEGANT®	MEGANT®
	520x100	540x100
a2 [mm]	350	350
a3 [mm]	75	85

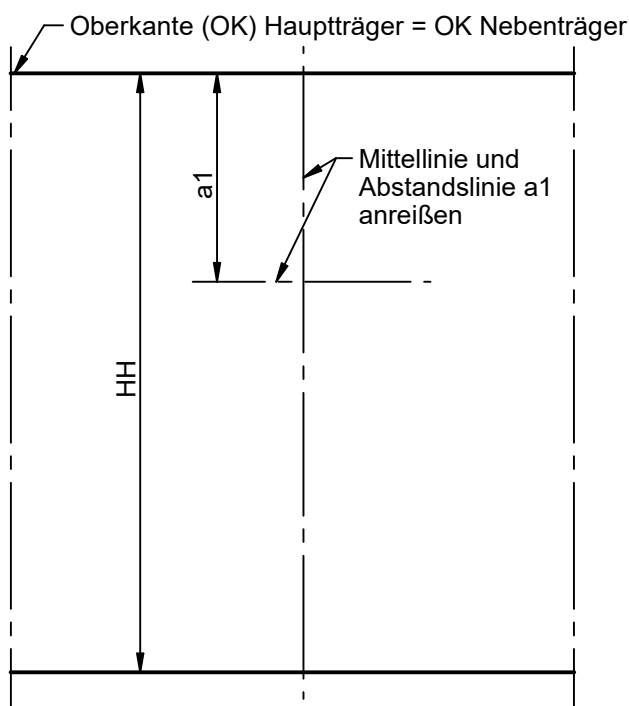
MEGANT® 100

Hauptträger mit Anreißschablone bohren

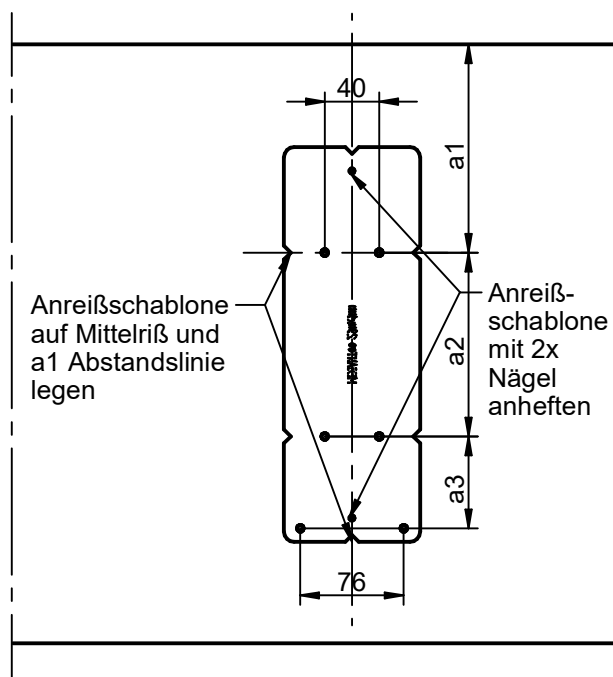


ALU AW 6005

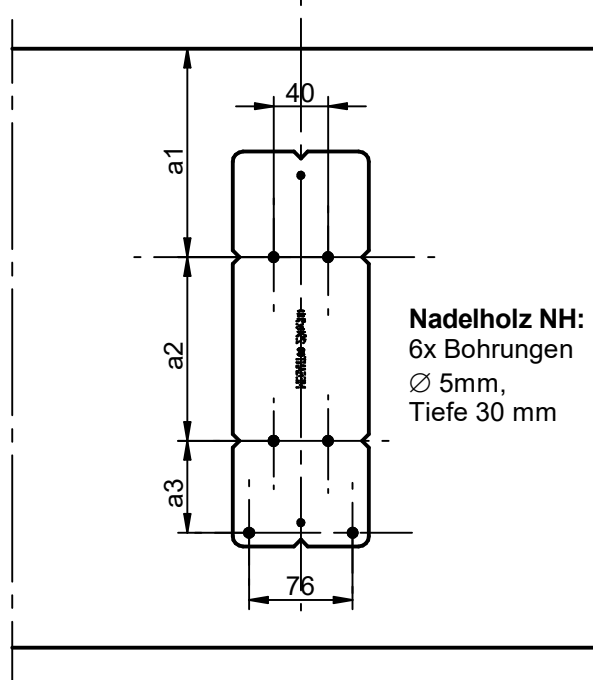
1.) Anreißen

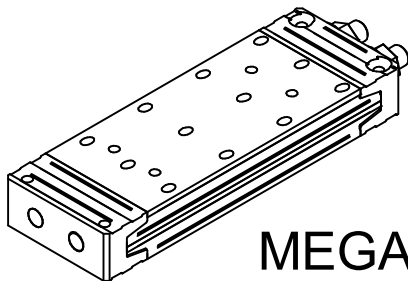


2.) Schablone auflegen



3.) Bohren



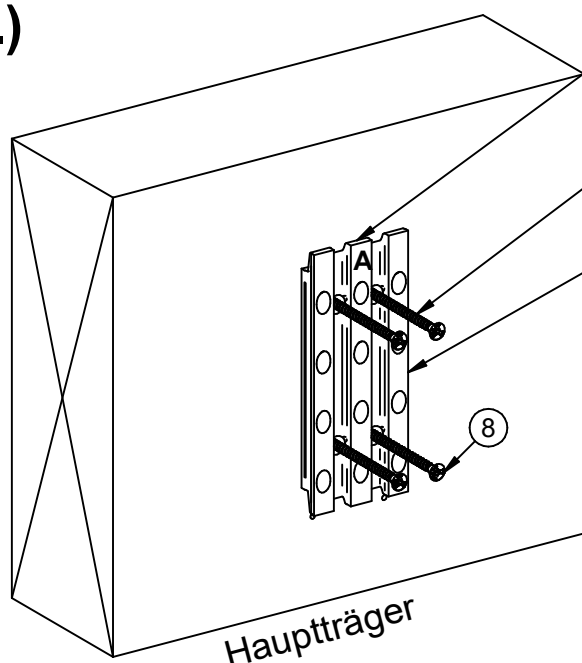


MEGANT® 100

MEGANT sichtbar mit Hauptträger verschrauben

ALU AW 6005

1.)



Ⓐ Plattenkennzeichnung
beim Hauptträger oben !

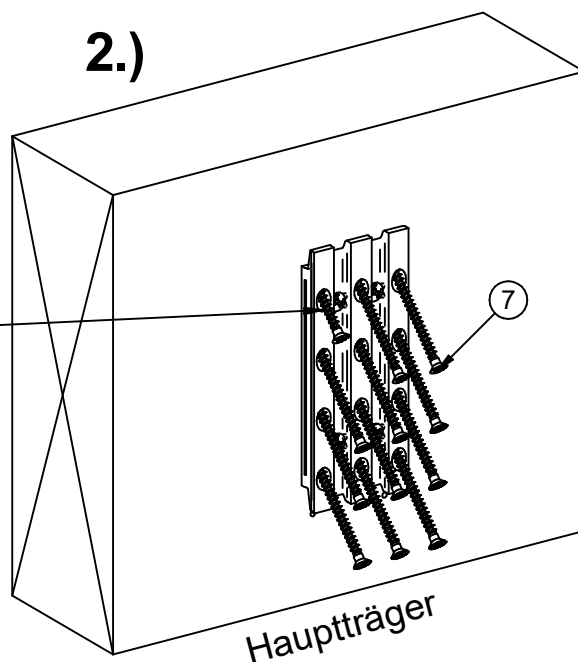
Horizontalschrauben ⑧ in
Positionsbohrungen schrauben

Verbinderplatte ①

Hauptträger

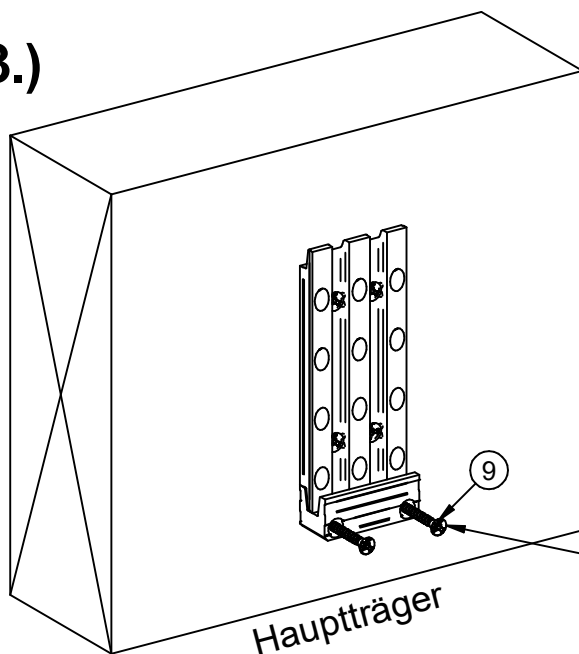
Schrägschrauben ⑦ in
Verbinderplatte ① von oben
reihenweise eindrehen
max. Anzugdrehmoment
Mt = 20 Nm
(Auf festen Sitz achten)

2.)



Hauptträger

3.)



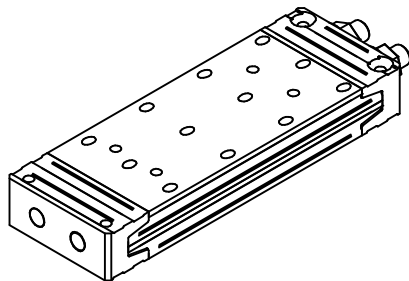
Hauptträger

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

Spannbacke ③ unten in
Positionsbohrungen
mit Horizontalschrauben ⑨
schrauben

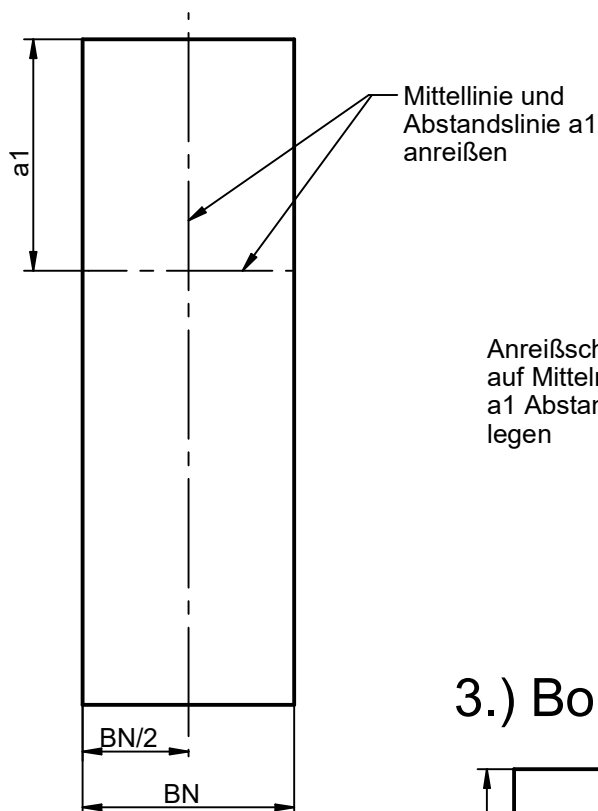
MEGANT® 100

Nebenträger mit Anreißschablone bohren

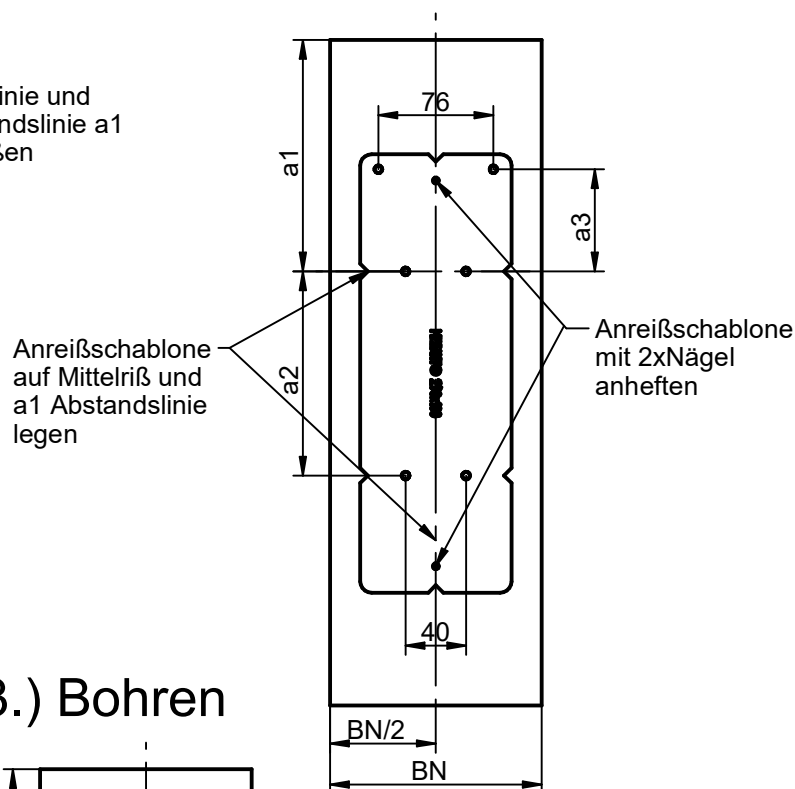


ALU AW 6005

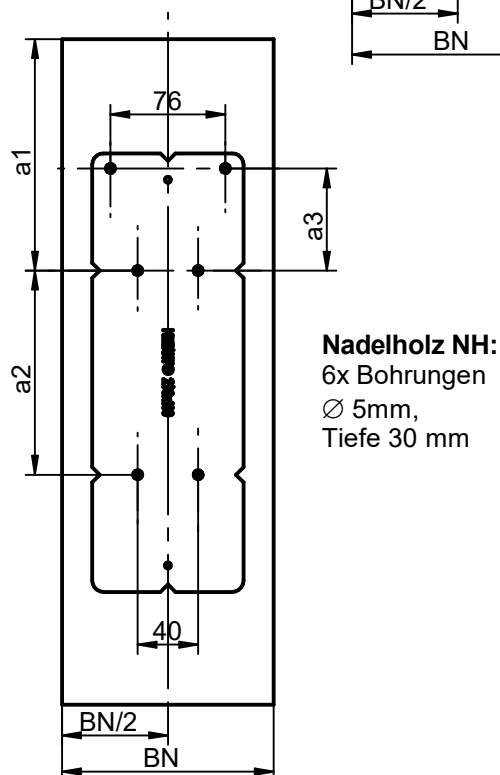
1.) Anreißen

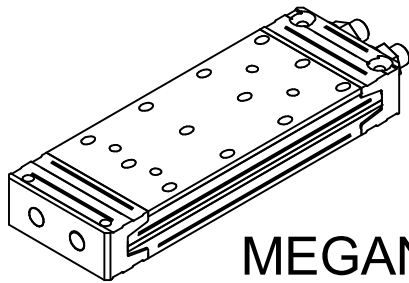


2.) Schablone auflegen



3.) Bohren



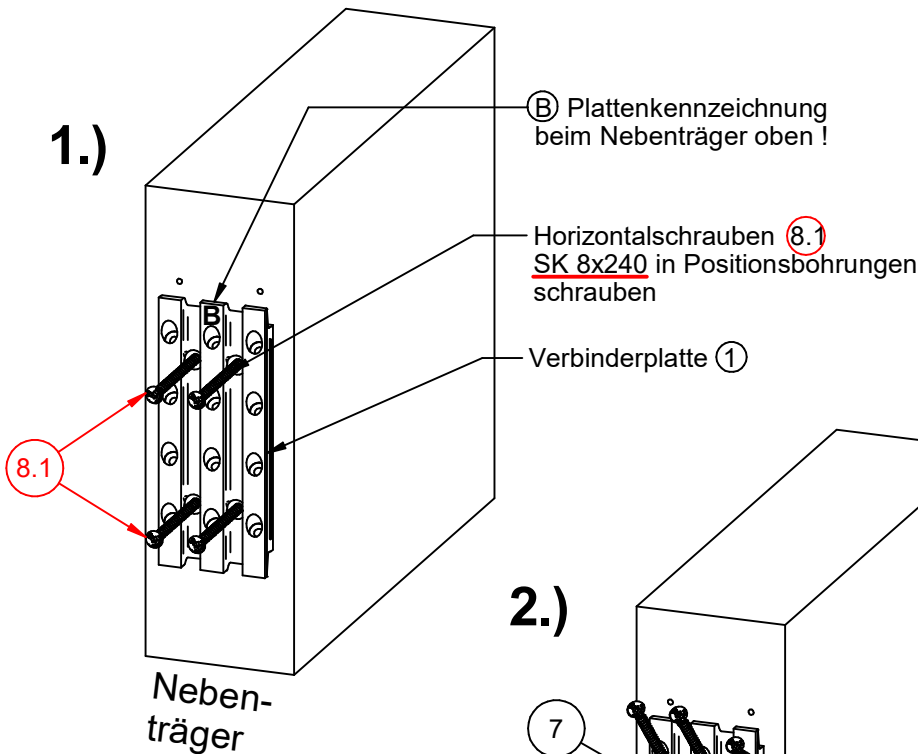


MEGANT® 100

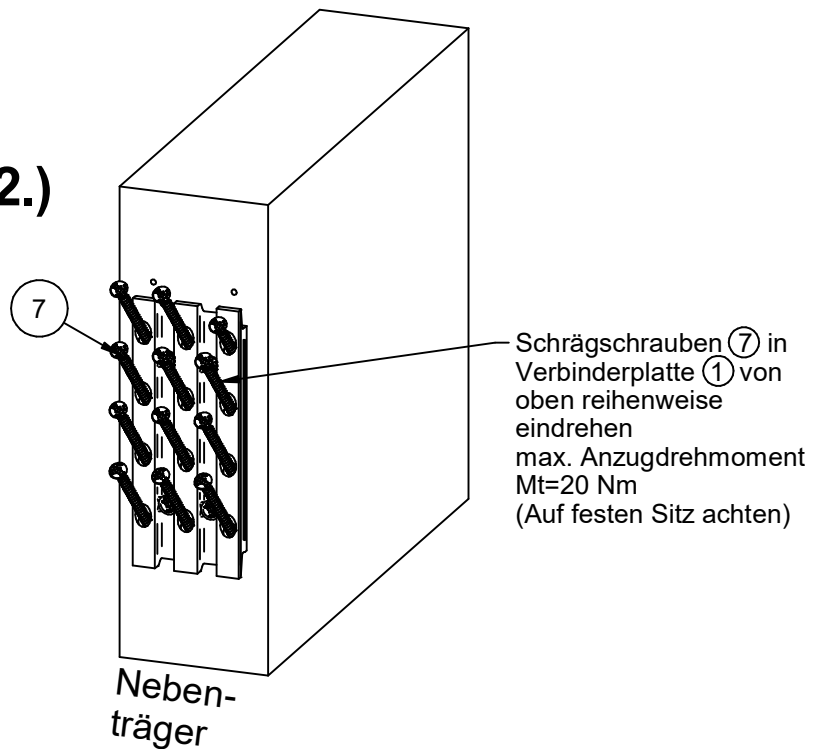
MEGANT sichtbar mit Nebenträger verschrauben

ALU AW 6005

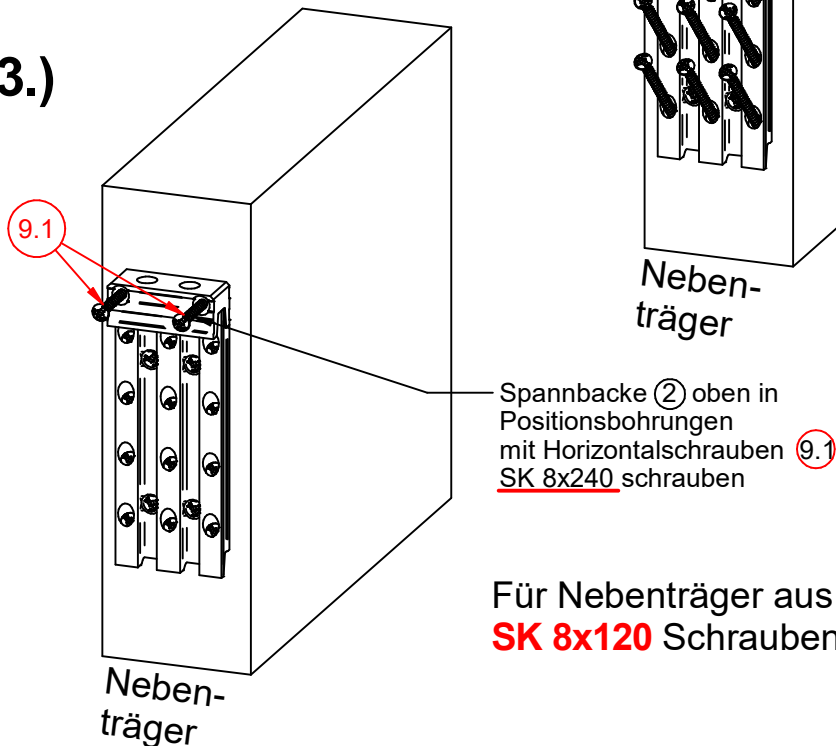
1.)



2.)



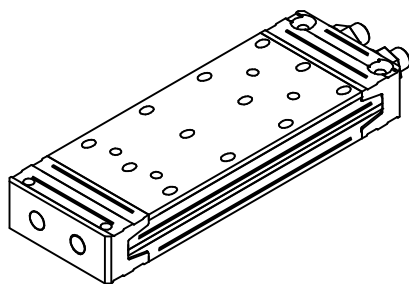
3.)



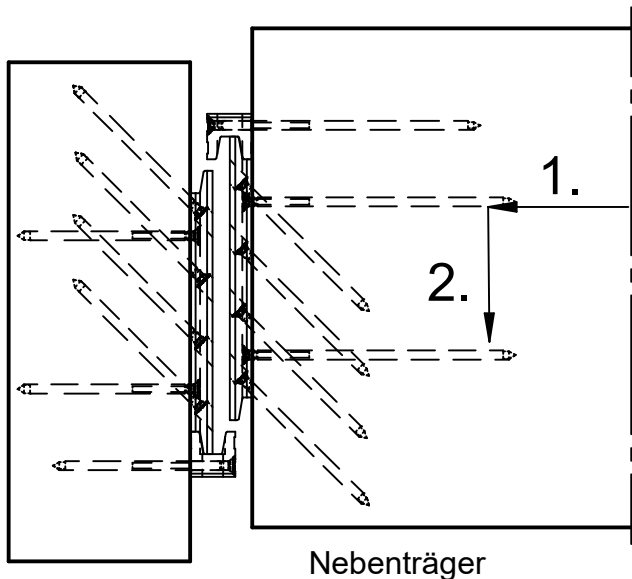
Für Nebenträger aus **Laubholz** werden
SK 8x120 Schrauben i.d.R. verwendet.

MEGANT® 100

Ablauf sichtbarer Montage


ALU AW 6005

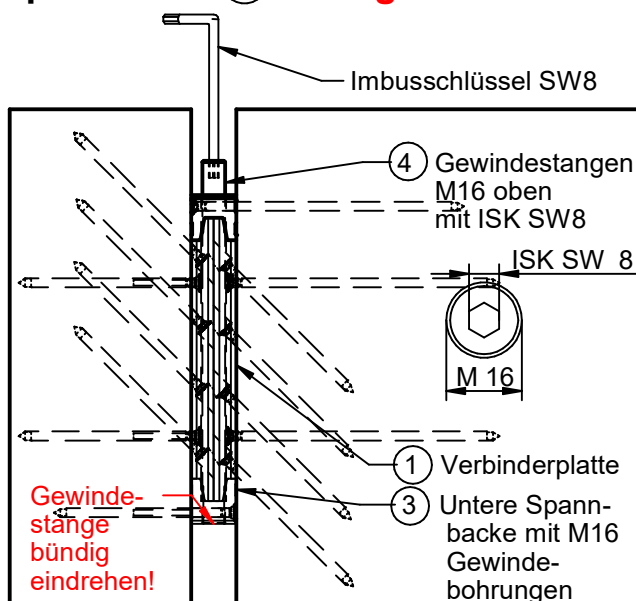
1. Nebenträger einhängen



Hauptträger

Nebenträger

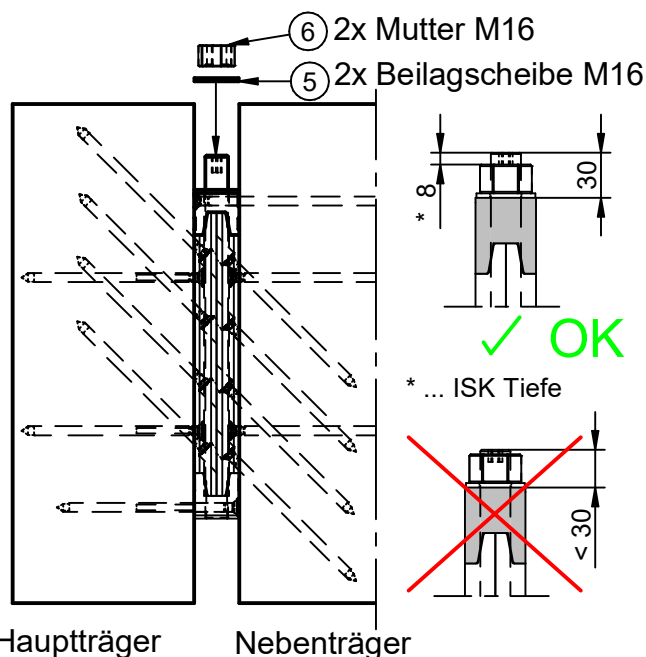
2. Gewindestange ④ (M16) in untere Spannbacke ③ **bündig** eindrehen



Hauptträger

Nebenträger

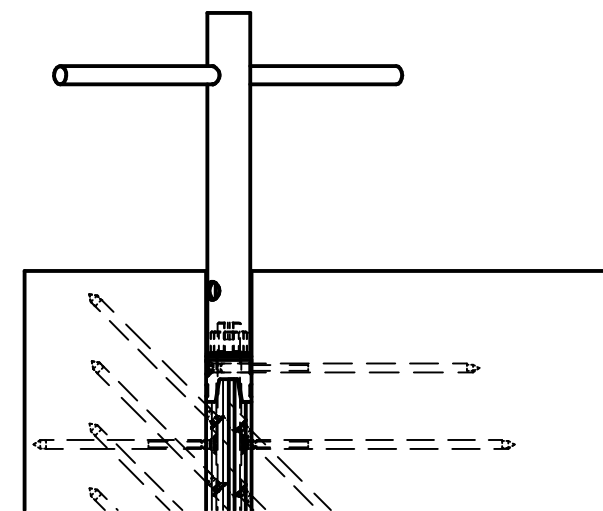
3. Spannbacke, Beilagscheibe und Mutter M16 aufsetzen



Hauptträger

Nebenträger

4. M16 Mutter mit Steckschlüssel (SW24) 40 Nm festziehen !





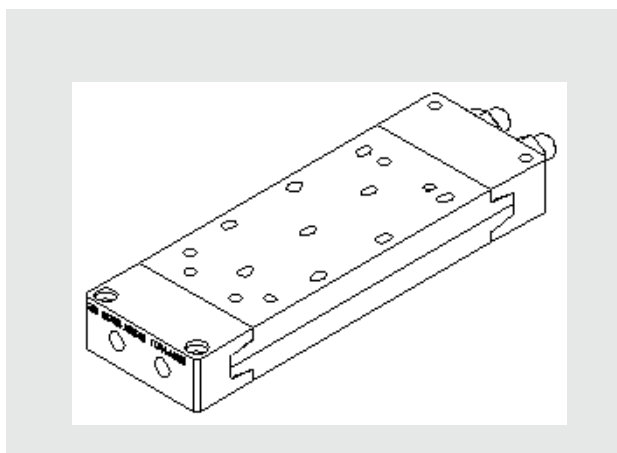
Knapp GmbH ■ Wassergasse 31 ■ A-3324 Euratsfeld ■ Tel.: +43 (0)7474 / 799 10 ■ Fax: +43 (0)7474 / 799 10 99
Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale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

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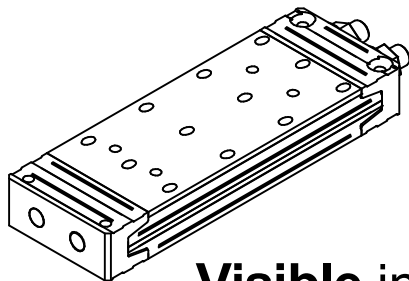
Notice de montage

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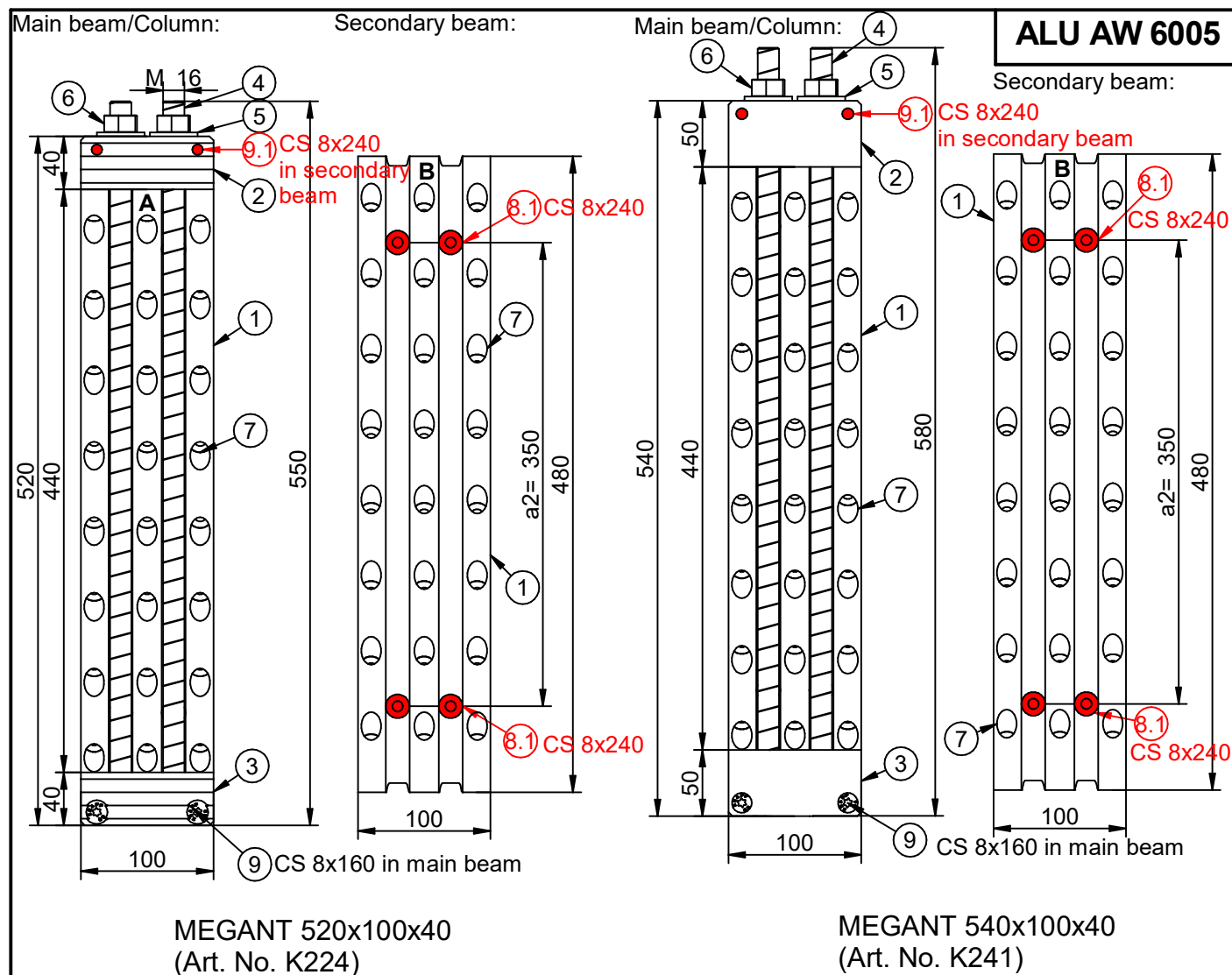
Art.-No.

MEGANT® 100



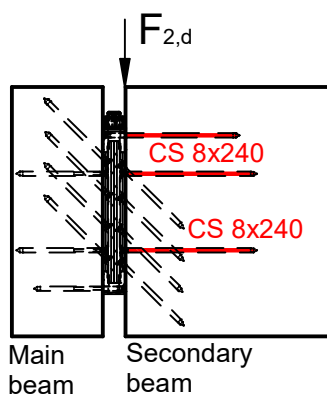
Visible installation

Overview of standard sizes



Connector plate specs

Main beam **A** - top
Secondary beam **B** - top



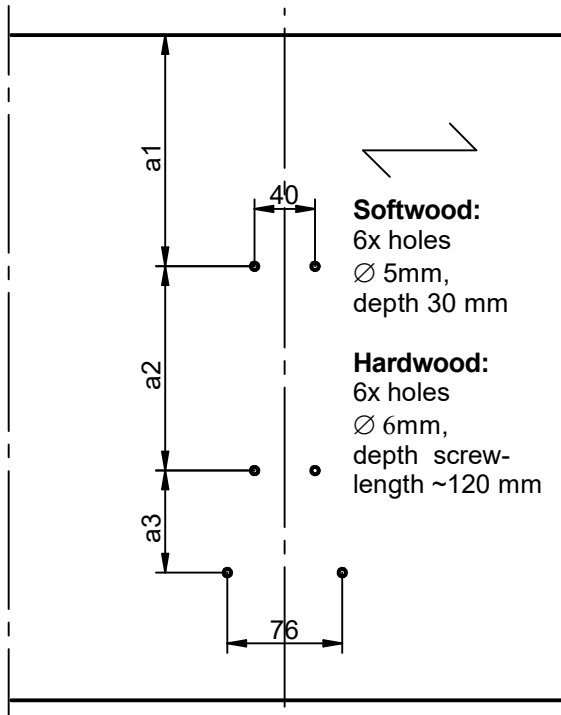
Pos No.	Art. No.	part description	MEGANT® sizes (ALU AW6005)	
			520x100x40 Art. No. K224	540x100x40 Art. No. K241
1	-	connector plates	480x100x20 (K199)	480x100x20 (K199)
2	K211	clamping jaw top	40x40x100; D16	50x40x100; D16
3	K212	clamping jaw bottom	40x40x100; M16	50x40x100; M16
4	Z925/Länge	threaded rod	2xM16x550 (Z925 /550)	2xM16x580 (Z925 /580)
5	Z621	washer	2xM16	2xM16
6	Z620	nut	2xM16	2xM16
7	Z581	Inclined screw connection	48x CS 8x160	48x CS 8x160
8	Z581	horizontal screws	4x CS 8x160	4x CS 8x160
8.1	Z672	horizontal screws	4x CS 8x240	4x CS 8x240
9	Z581	Clamping jaw screws	2x CS 8x160	2x CS 8x160
9.1	Z672	Clamping jaw screws	2x CS 8x240	2x CS 8x240

MEGANT® 100

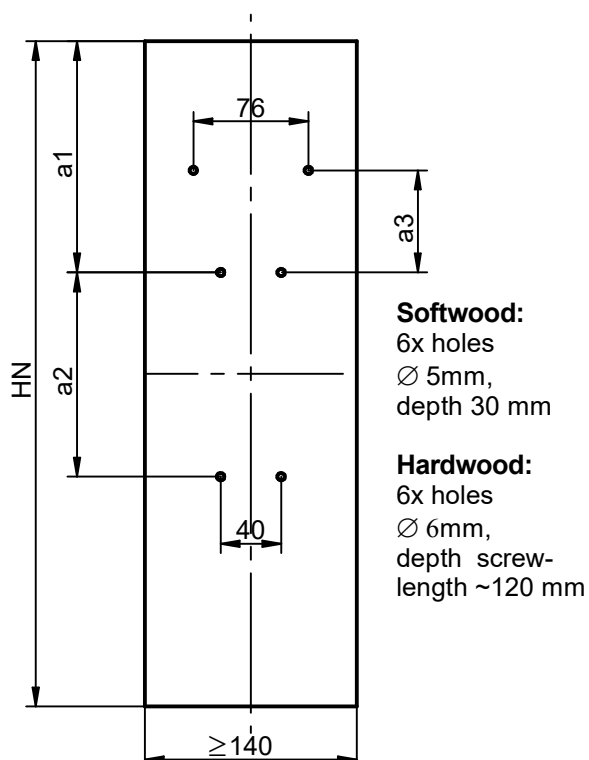
Drilling pattern visible central installation

ALU AW 6005

Drill pattern main beam !

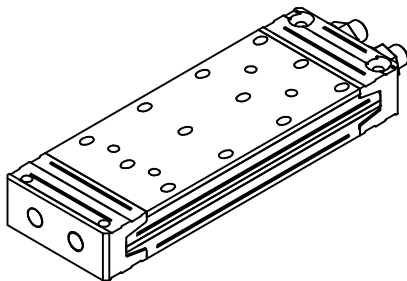


Drilling positions for centered, visible mounting in secondary beam !



Pre-drilling visible installation of connector		
Secondary beam	Pre-drill spacing a1 with respect to secondary beam member height H_N	
Height	MEGANT®	MEGANT®
H_N [mm]	520x100	540x100
400		
440		
480		
520		
560		
600		
640	145	145
680	165	165
700	175	175
720	185	185
760	205	205
800	225	225
840	245	245
880	265	265
920	285	285
960	305	305
1000	325	325

Distances	MEGANT®	MEGANT®
	520x100	540x100
a2 [mm]	350	350
a3 [mm]	75	85

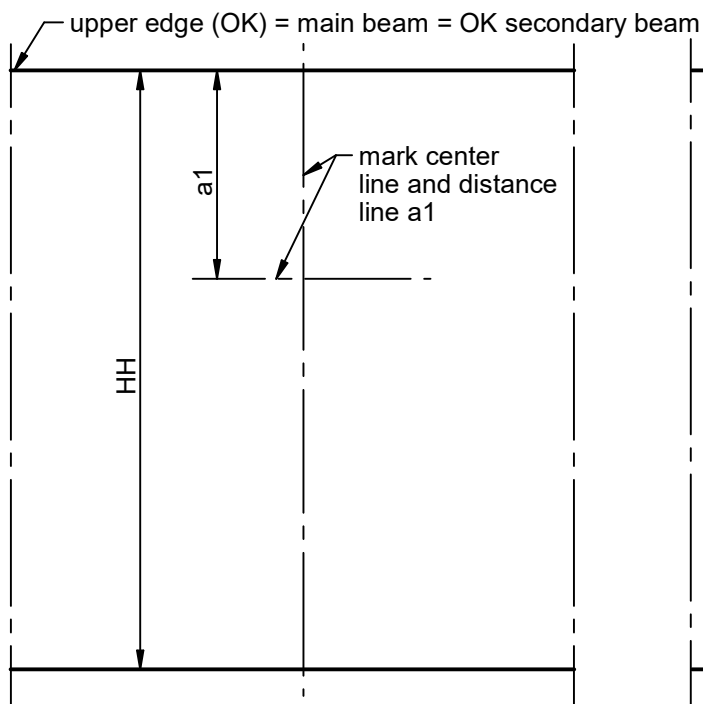


MEGANT® 100

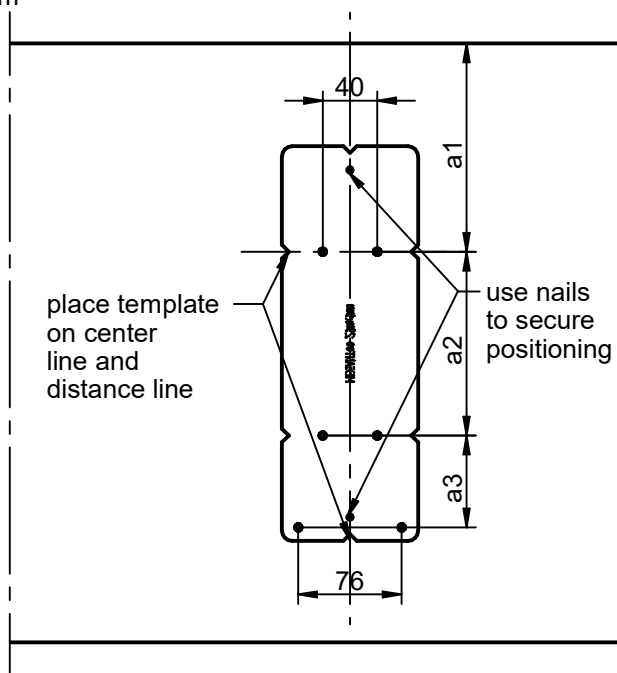
Main beam pre-drilling with template

ALU AW 6005

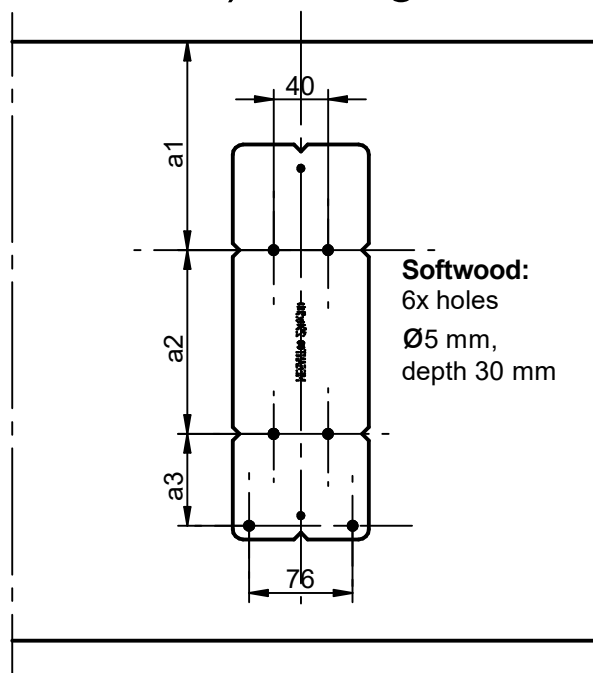
1.) Marking

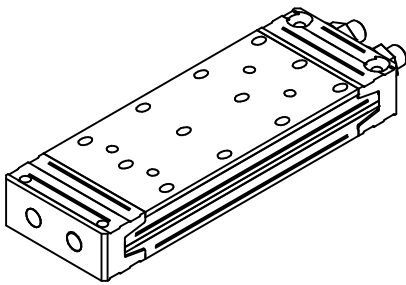


2.) Place template



3.) Drilling



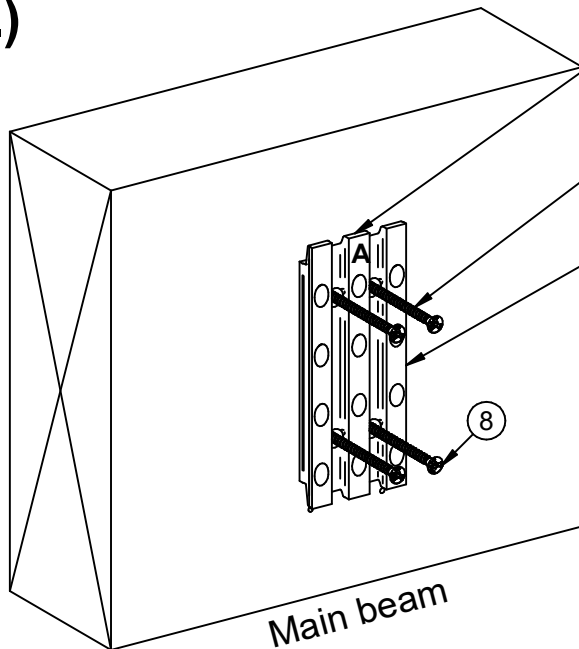


MEGANT® 100

Install MEGANT visibly on main beam

ALU AW 6005

1.)



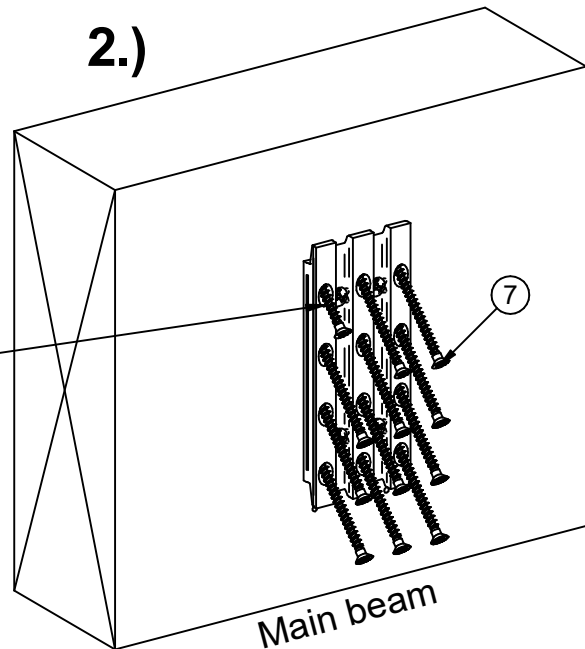
Make sure plate marking **A** is at the top for main beam installation

install horizontal screws **8**

connector plate **1**

Main beam

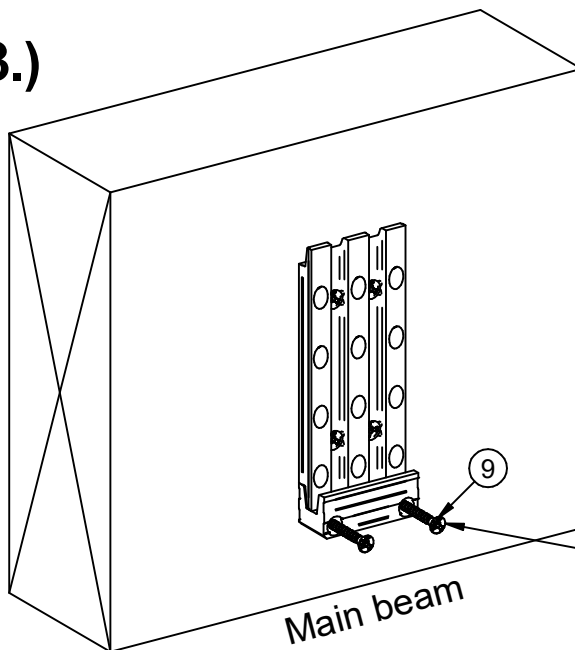
2.)



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)

Main beam

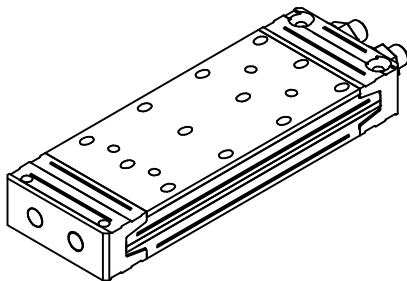
3.)



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**

Main beam

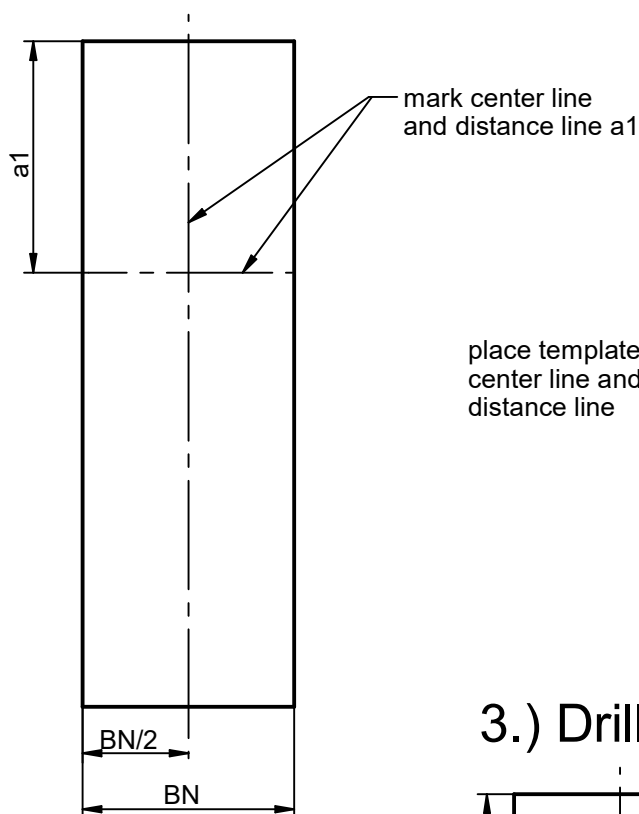


MEGANT® 100

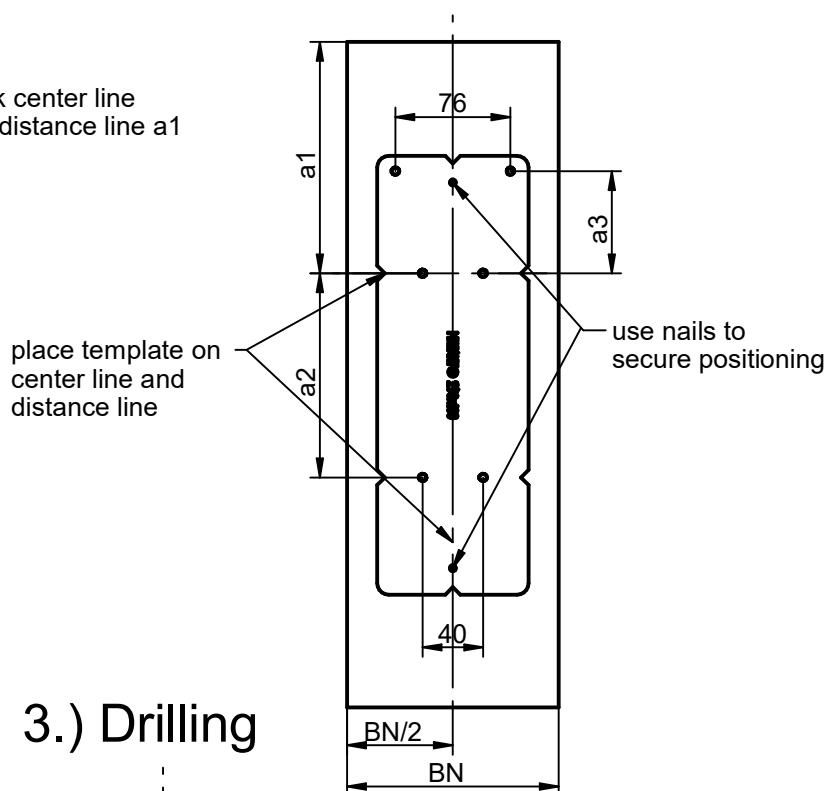
Secondary beam pre-drilling with template

ALU AW 6005

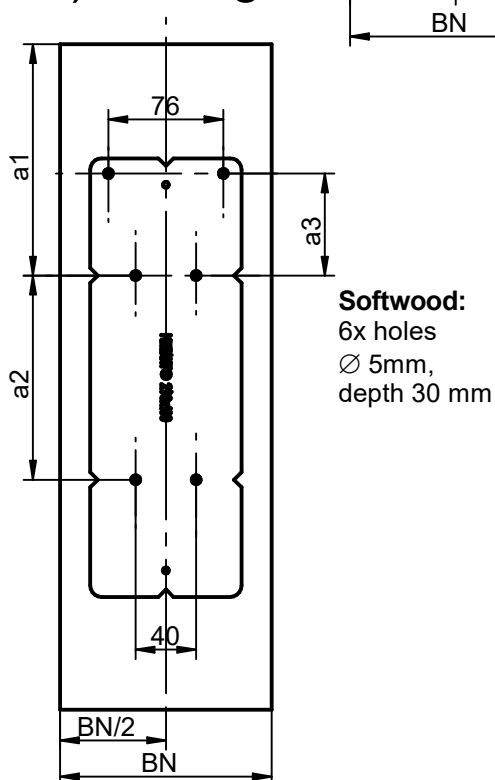
1.) Marking

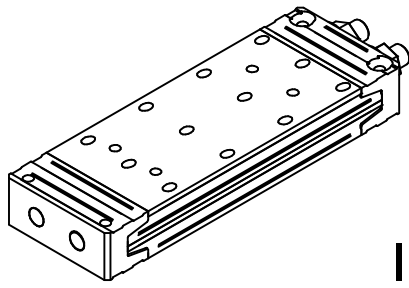


2.) Place template



3.) Drilling



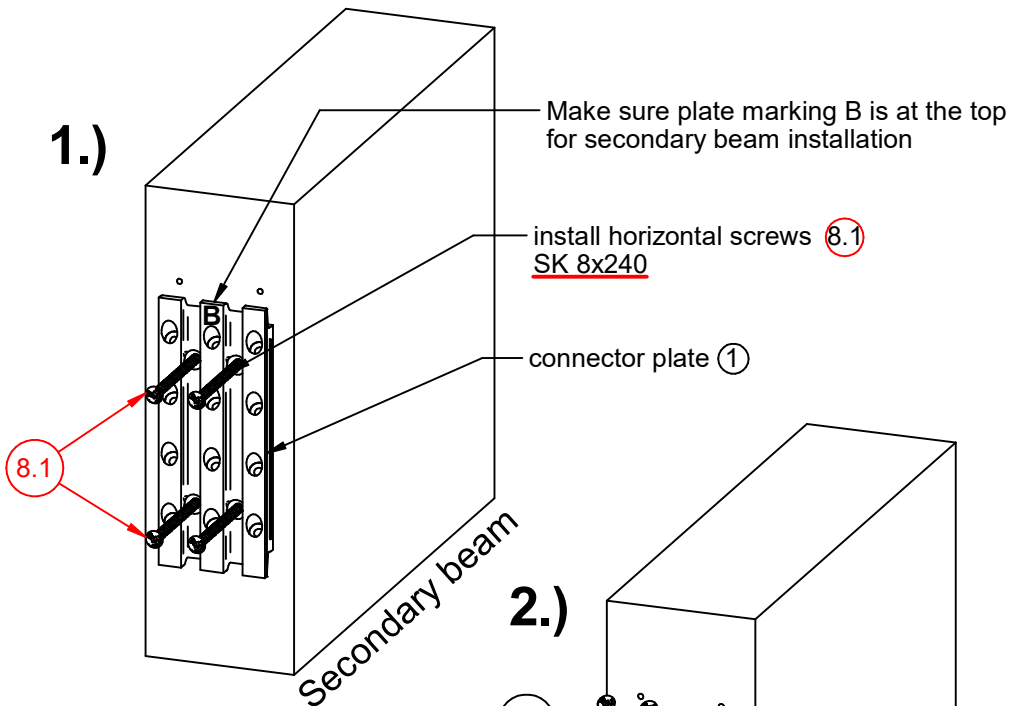


MEGANT® 100

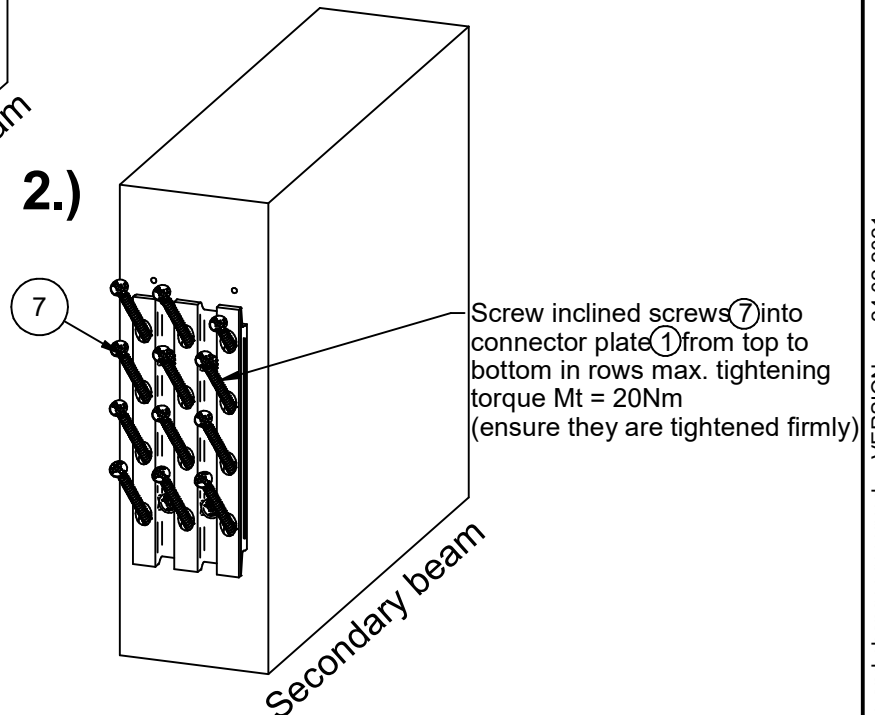
Install MEGANT visibly on secondary beam

ALU AW 6005

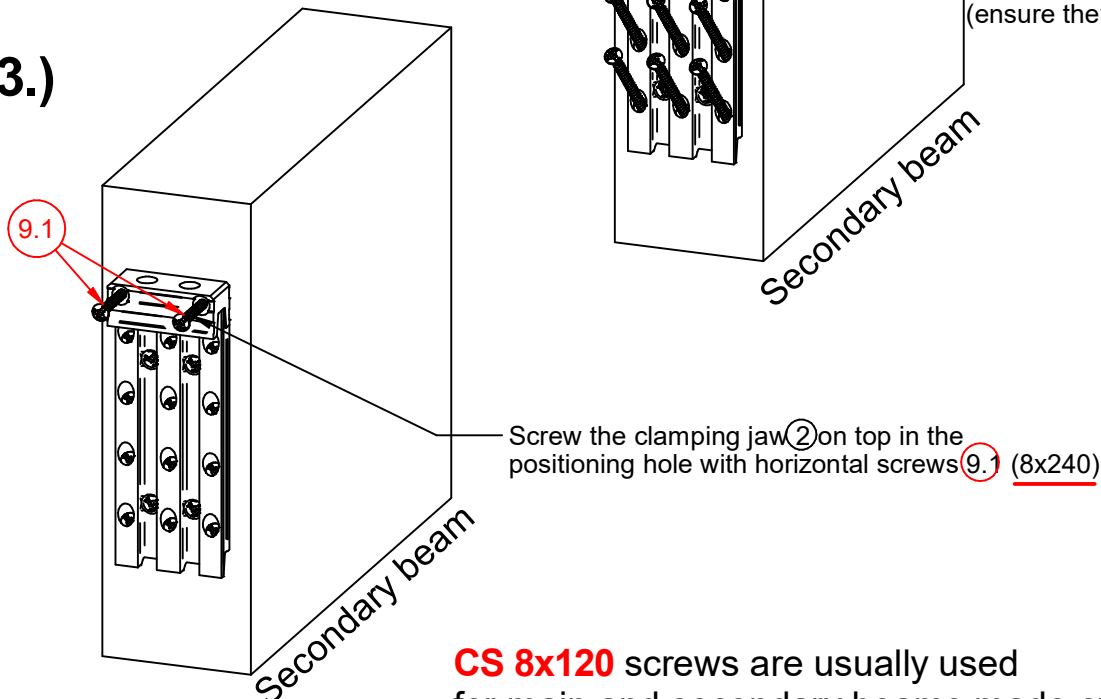
1.)



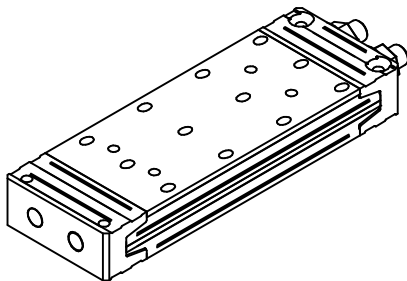
2.)



3.)



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



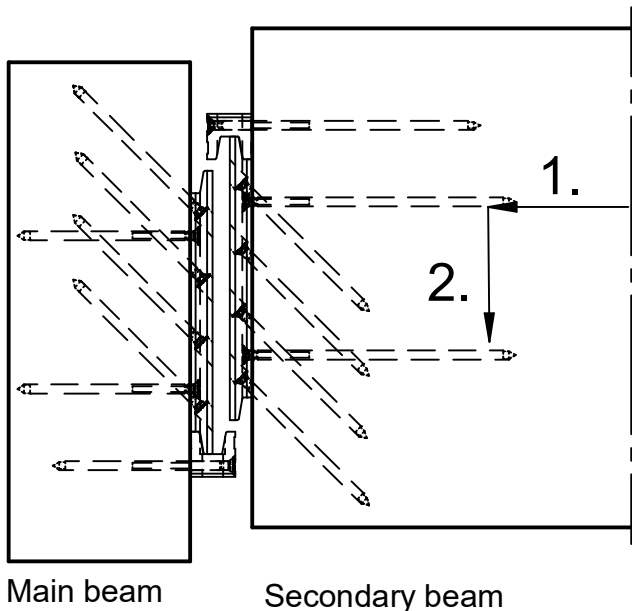
Assembly Instructions

MEGANT® 100

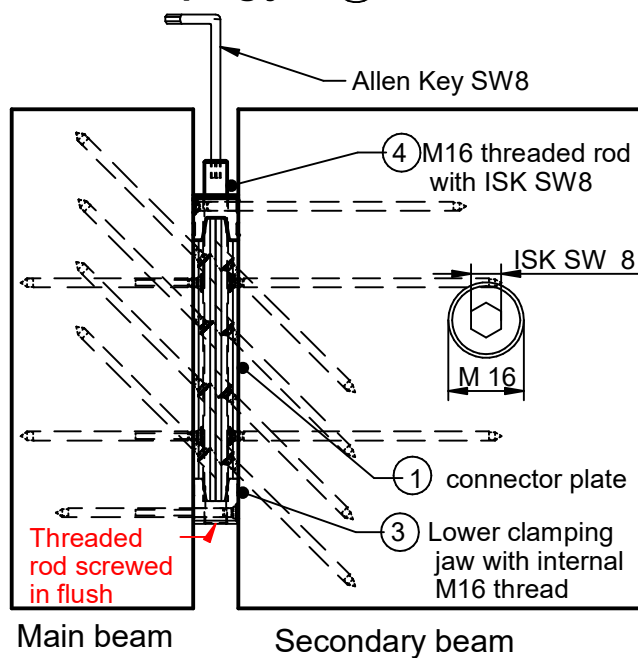
Process of visible assembly

ALU AW 6005

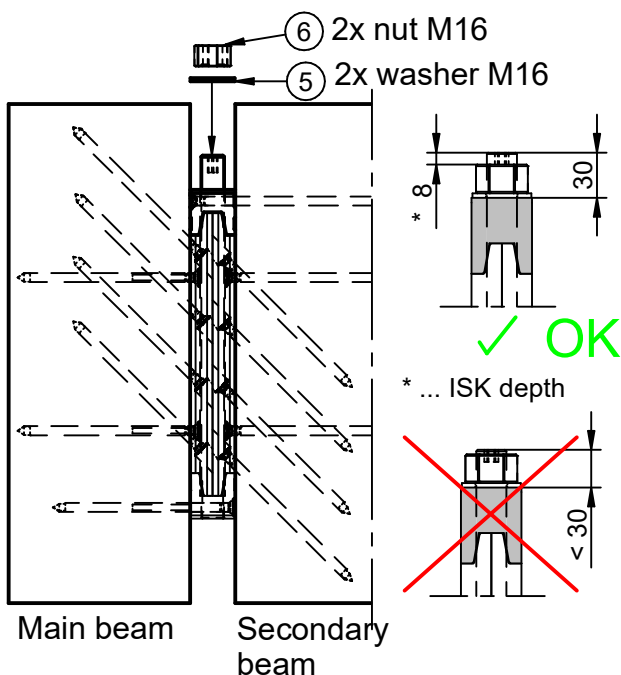
1. Install secondary beam



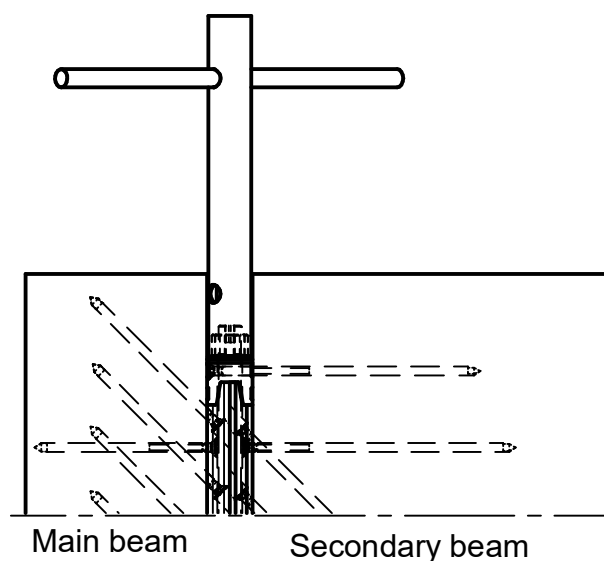
2. Install M16 threaded rod ④ in lower clamping jaw ③ flush



3. Install clamping jaw, washer and M16 nut



4. Tighten M16 nut with SW 24 wrench (40 Nm) !





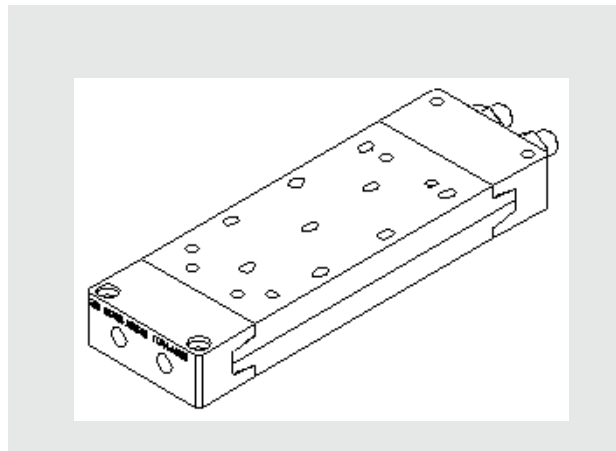
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Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale France ■ 1A Rue du Stade ■ F - 67880 Innenheim Tel.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

Montageanleitung

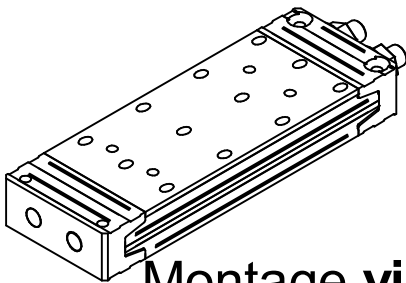
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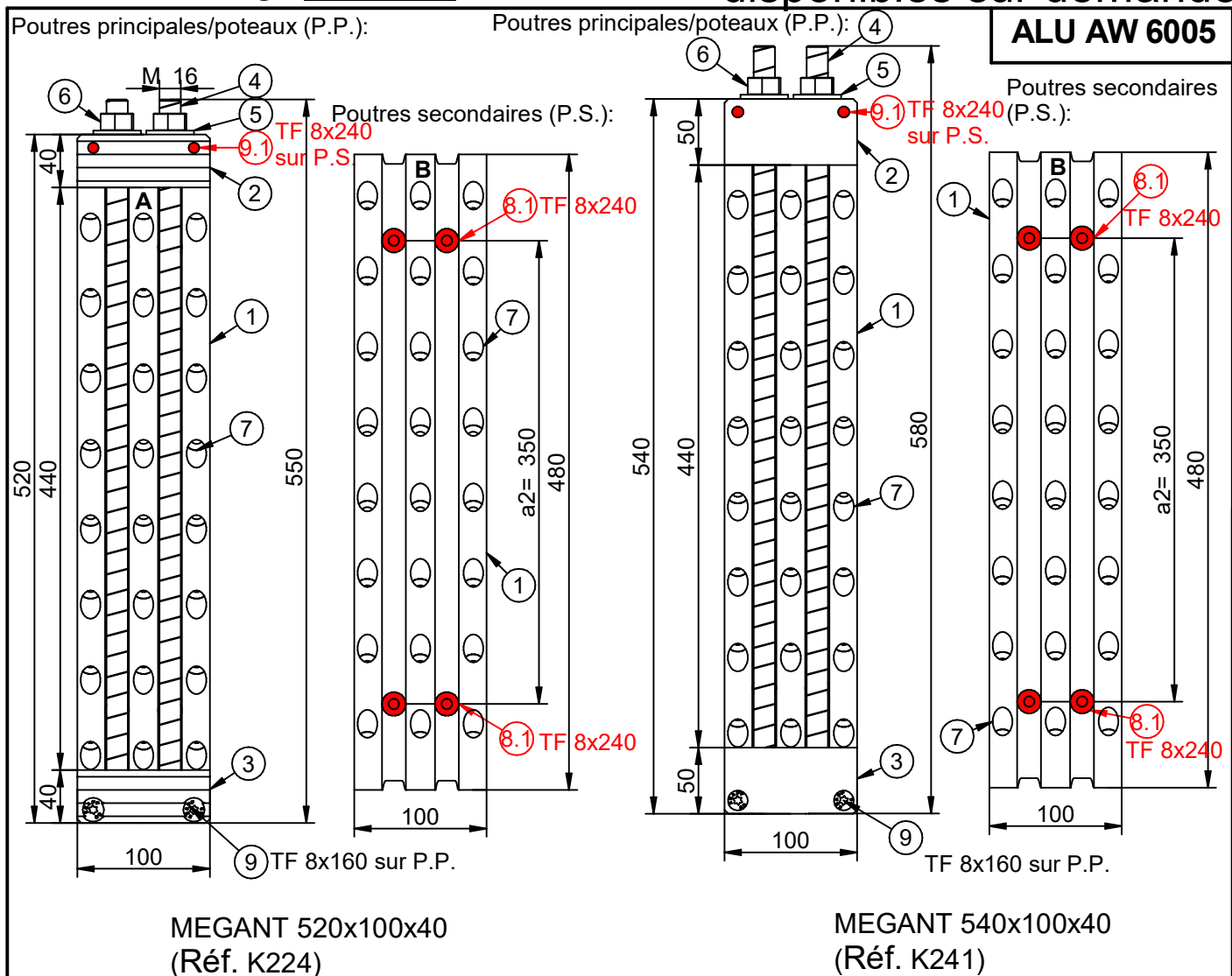
Réf.



MEGANT® 100

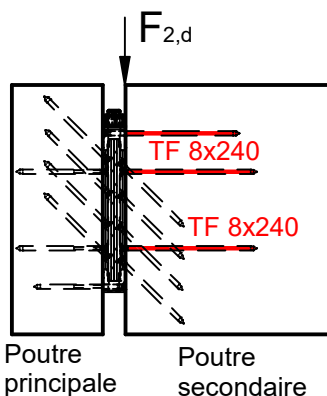
Vue d'ensemble des dimensions spéciales
- disponibles sur demande

Montage **visible**

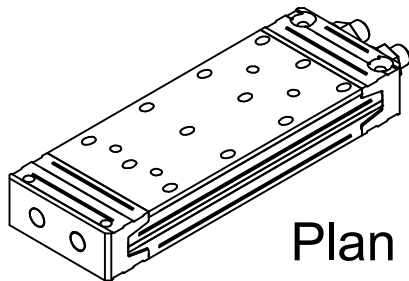


Repérage des plaques:

Poutre principale **A** en haut
Poutre secondaire **B** en haut



N° pos.	Réf.	Désignations	Dimensions MEGANT®	
			520x100x40	540x100x40
			Réf. K224	Réf. K241
1	-	Plaques principales	480x100x20 (K199)	480x100x20 (K199)
2	K211	Mâchoire haute	40x40x100; D16	50x40x100; D16
3	K212	Mâchoire basse	40x40x100; M16	50x40x100; M16
4	Z925/Longueur	Tige filetée	2xM16x550 (Z925 /550)	2xM16x580 (Z925 /580)
5	Z621	Rondelle	2xM16	2xM16
6	Z620	Écrou	2xM16	2xM16
7	Z581	Vissage biais	48xTF 8x160	48x TF 8x160
8	Z581	Vissage horizontal	4x TF 8x160	4x TF 8x160
8.1	Z672	Vissage horizontal	4x TF 8x240	4x TF 8x240
9	Z581	Vissage mâchoires	2x TF 8x160	2x TF 8x160
9.1	Z672	Vissage mâchoires	2x TF 8x240	2x TF 8x240

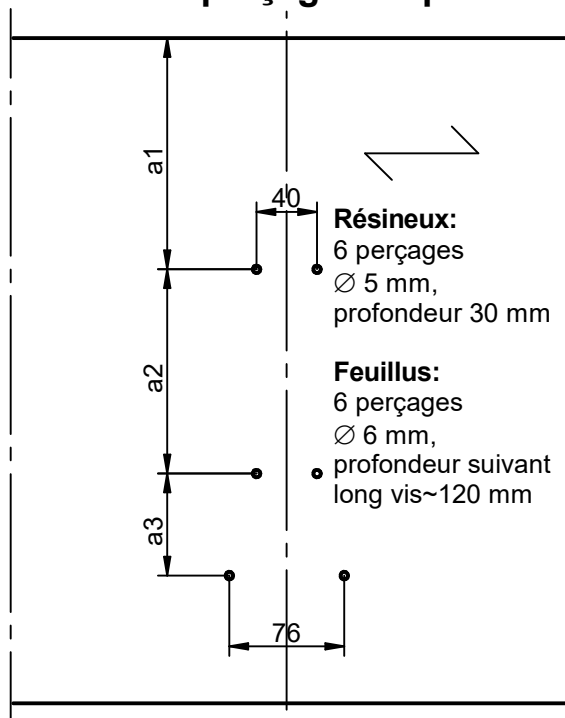


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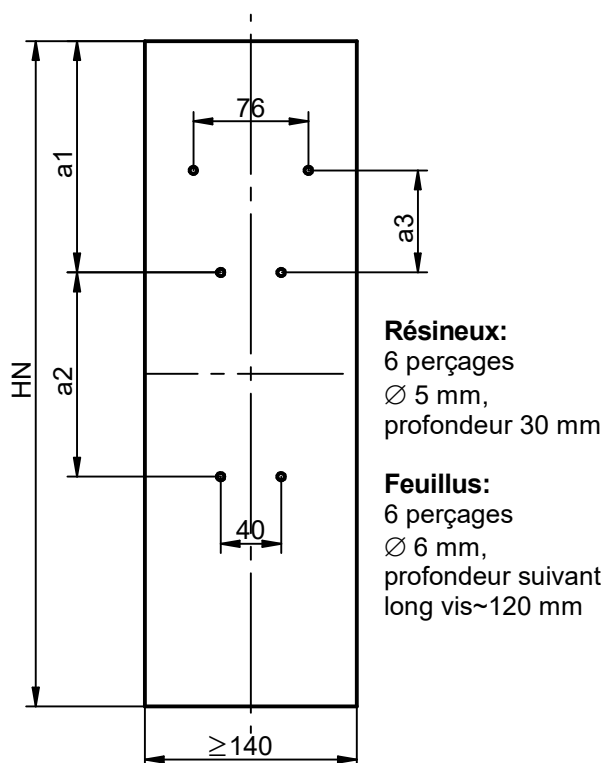
Plan de perçage pour montage centré et visible

ALU AW 6005

Réaliser les perçages de positionnement sur la poutre principale !

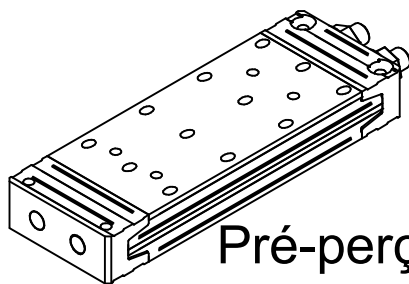


Réaliser les perçages de positionnement sur la poutre secondaire !



Perçages pour mise en oeuvre en applique (visible)		
Poutre secondaire	Distance de perçage a1 en relation avec la hauteur de poutre secondaire HN [mm]	
Höhe	MEGANT®	MEGANT®
H _N [mm]	520x100	540x100
400		
440		
480		
520		
560		
600		
640	145	145
680	165	165
700	175	175
720	185	185
760	205	205
800	225	225
840	245	245
880	265	265
920	285	285
960	305	305
1000	325	325

Distance	MEGANT®	MEGANT®
	520x100	540x100
a2 [mm]	350	350
a3 [mm]	75	85

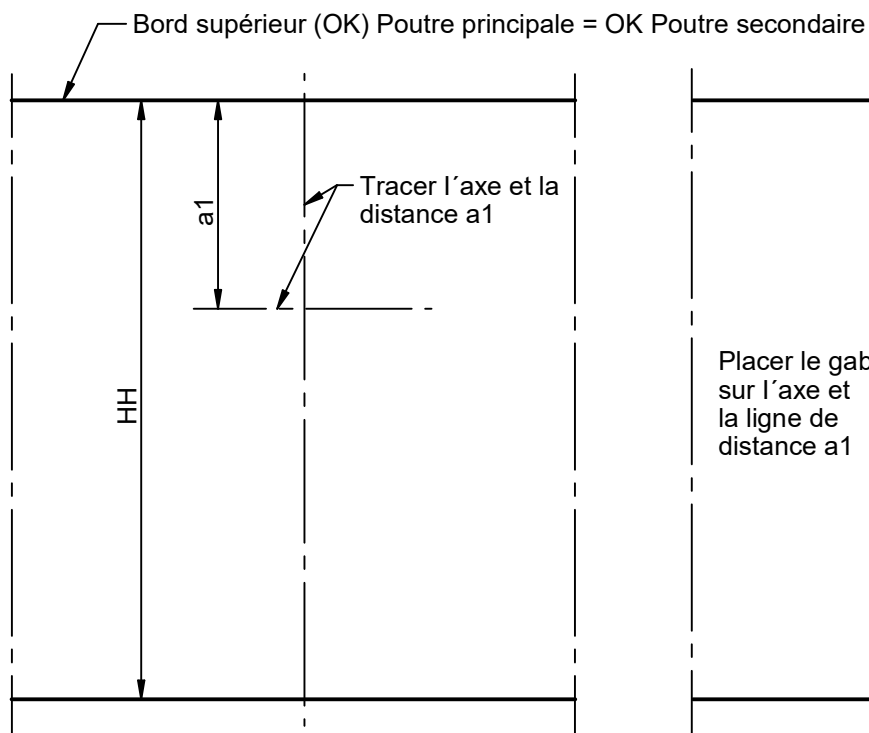


MEGANT® 100

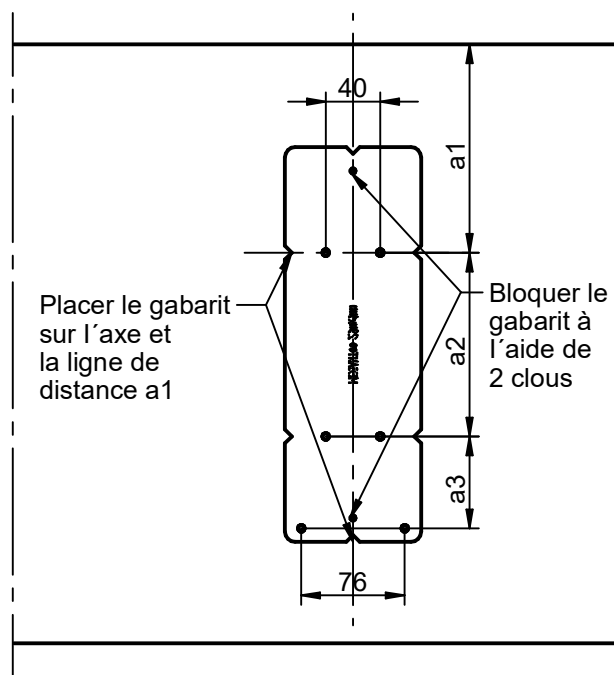
Pré-perçage de la poutre principale avec le gabarit

ALU AW 6005

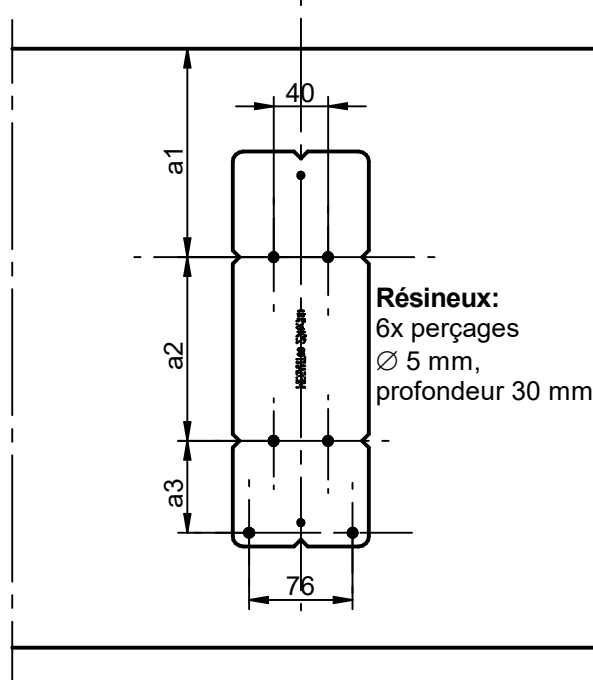
1.) Tracer

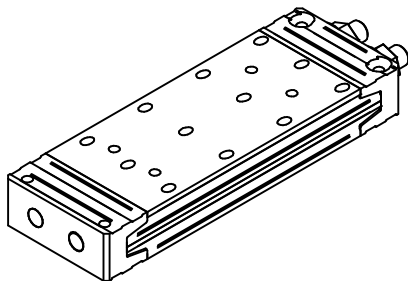


2.) Positionner le gabarit



3.) Percer



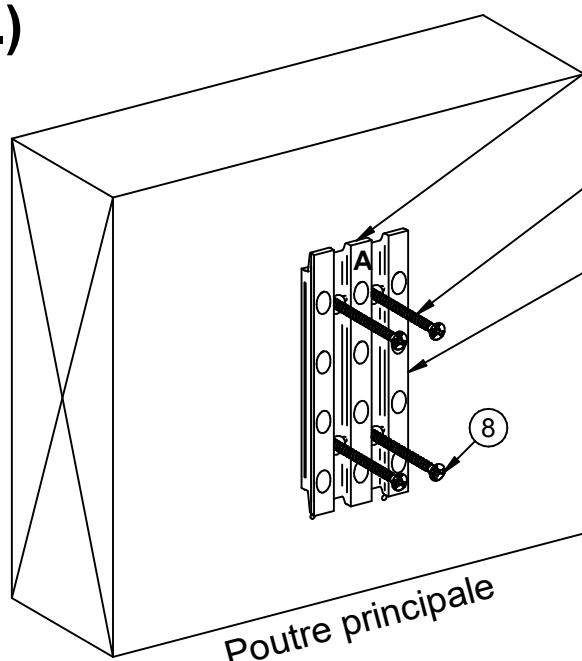


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Vissage sur poutre principale

ALU AW 6005

1.)



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

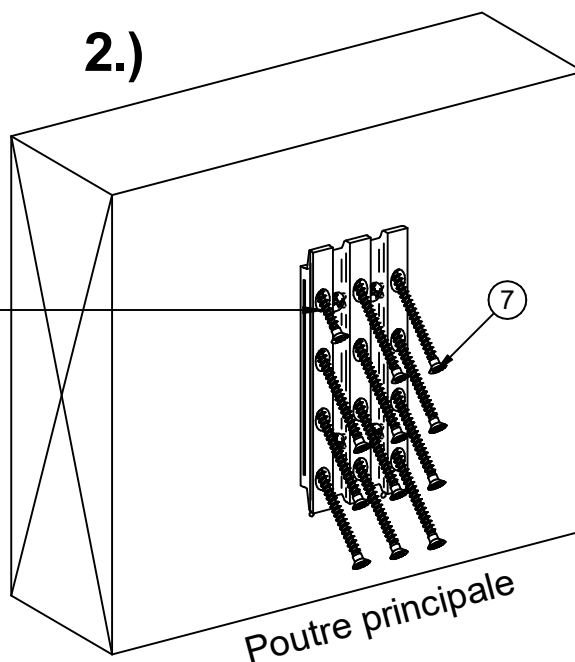
Visser les vis de positionnement
horizontale **8**

Plaque principale **1**

Poutre principale

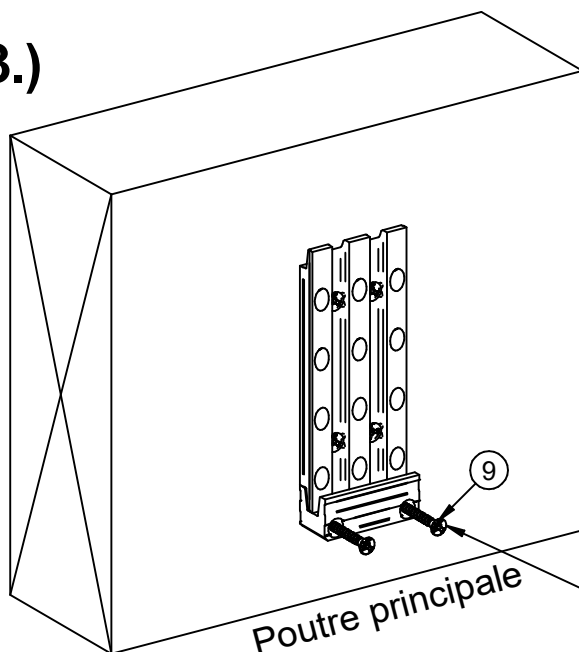
Visser les vis biais **7** sur la
plaque principale **1** en
commençant par le haut
Couple de serrage
max. $M_t = 20 \text{ Nm}$
(visser les vis bien à fond)

2.)



Poutre principale

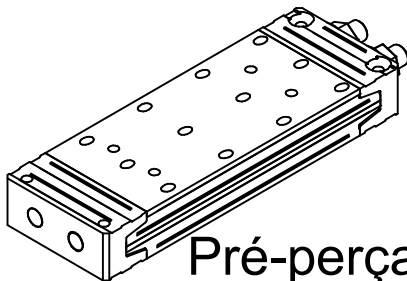
3.)



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**

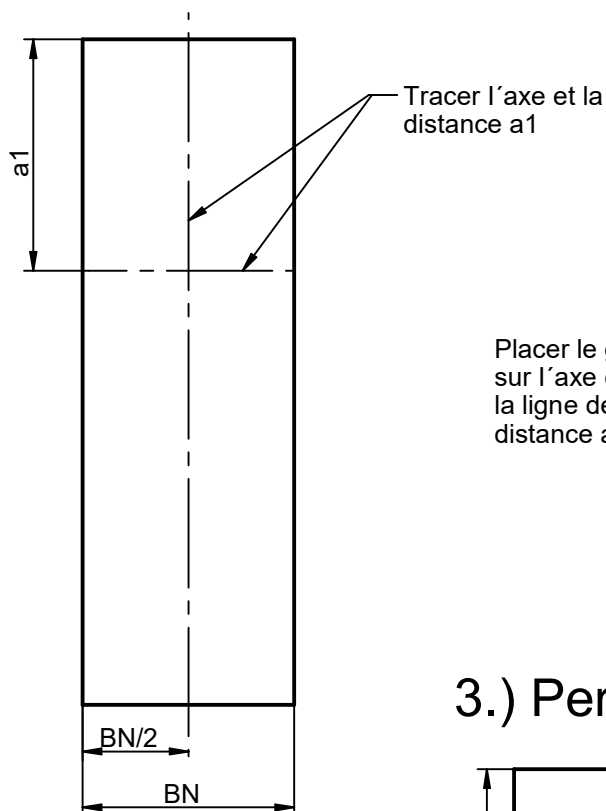


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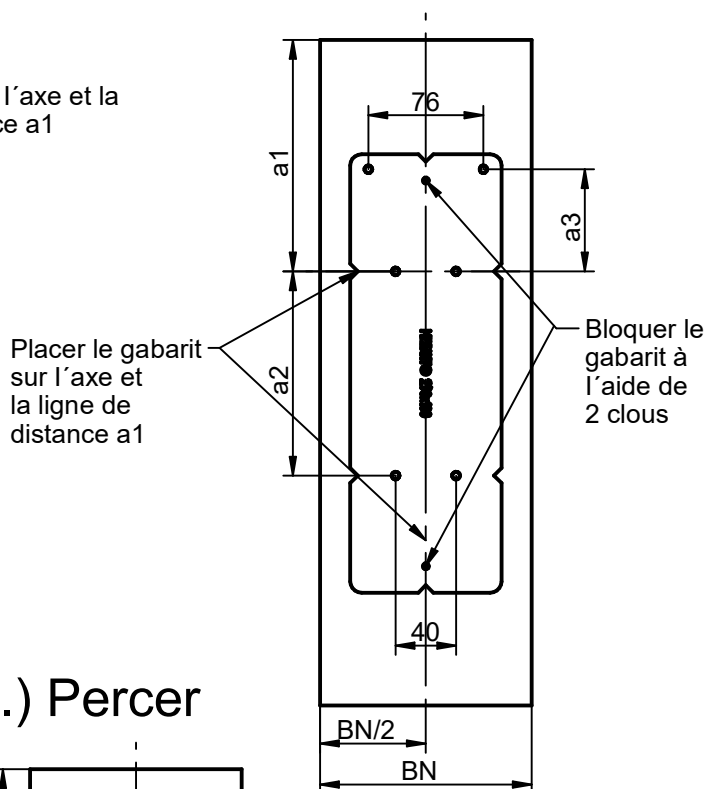
Pré-perçage de la poutre secondaire avec le gabarit

ALU AW 6005

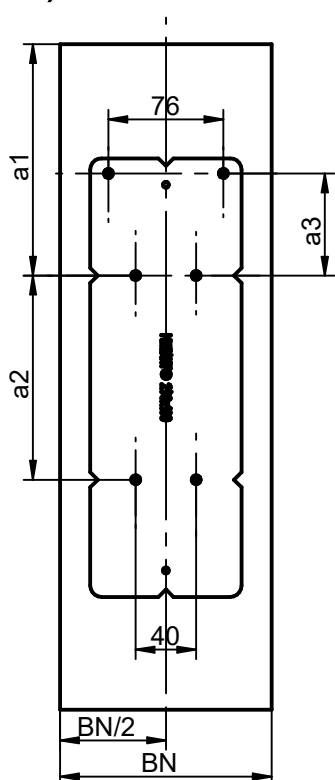
1.) Tracer



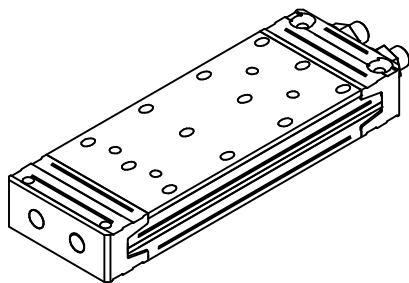
2.) Positionner le gabarit



3.) Percer



Résineux:
6x perçages
Ø 5 mm,
profondeur 30 mm

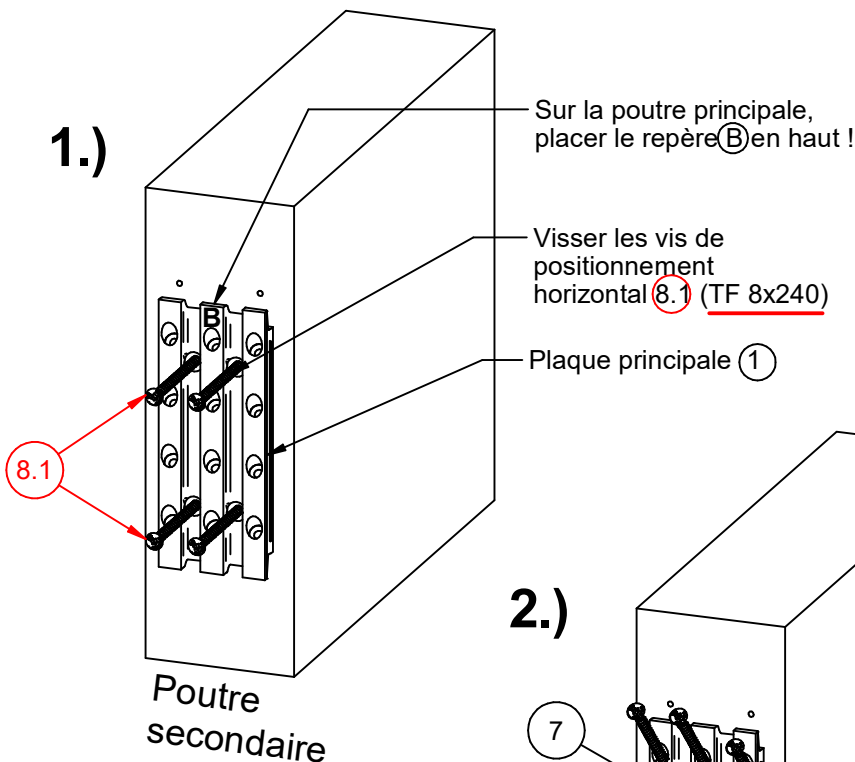


MEGANT® 100

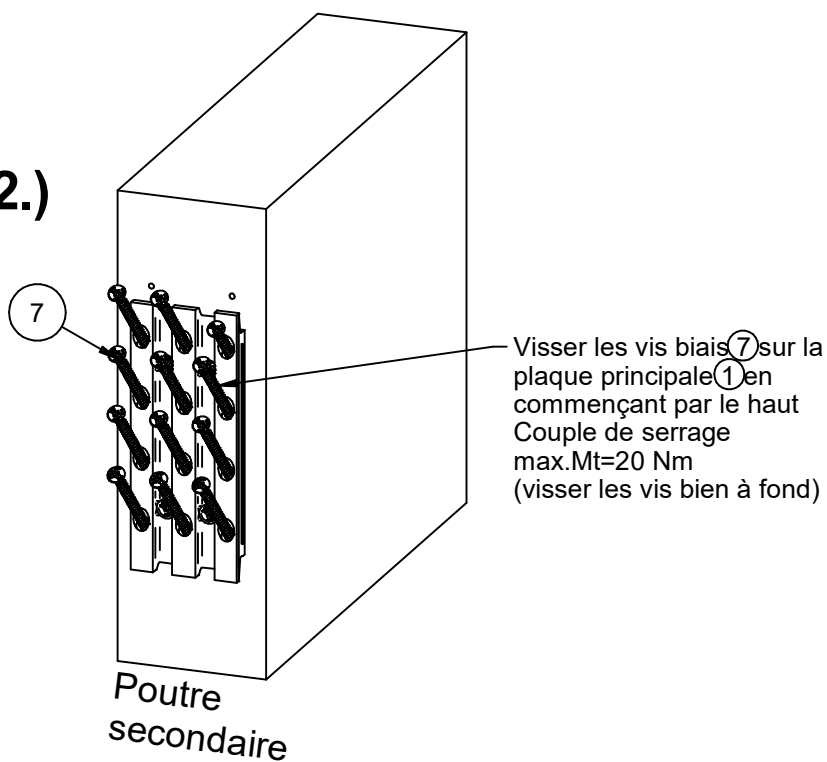
Vissage sur poutre secondaire

ALU AW 6005

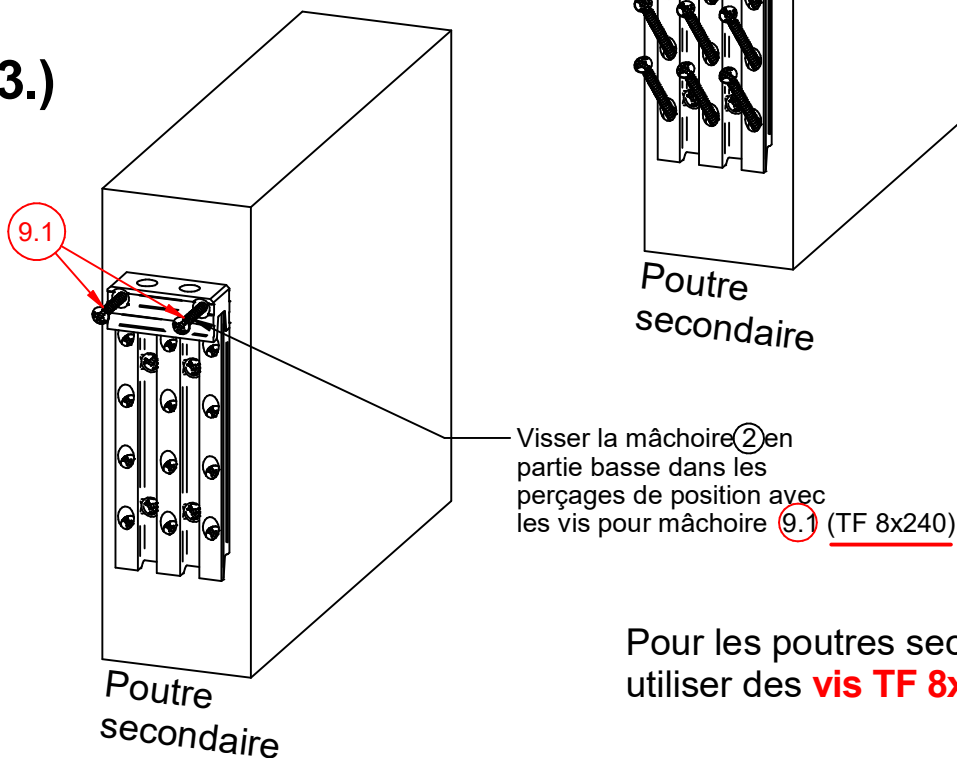
1.)



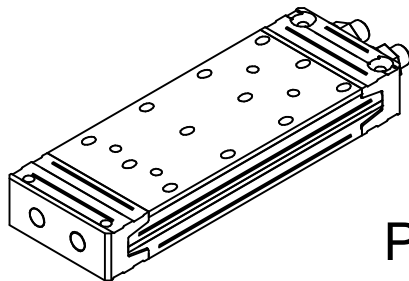
2.)



3.)



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

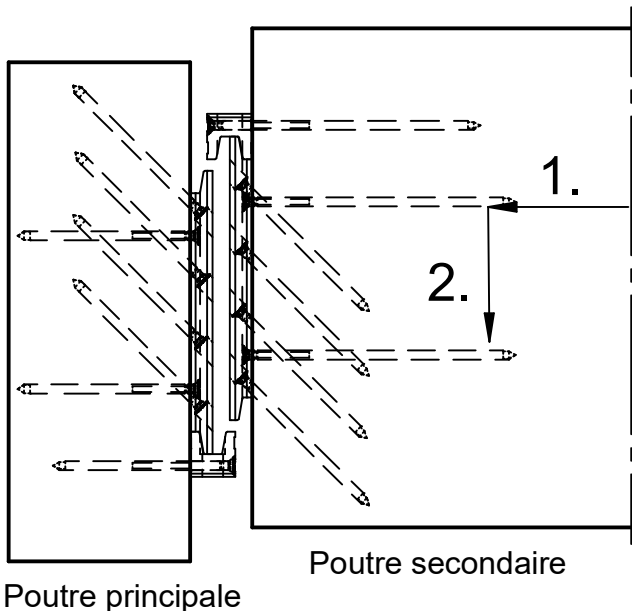


MEGANT® 100

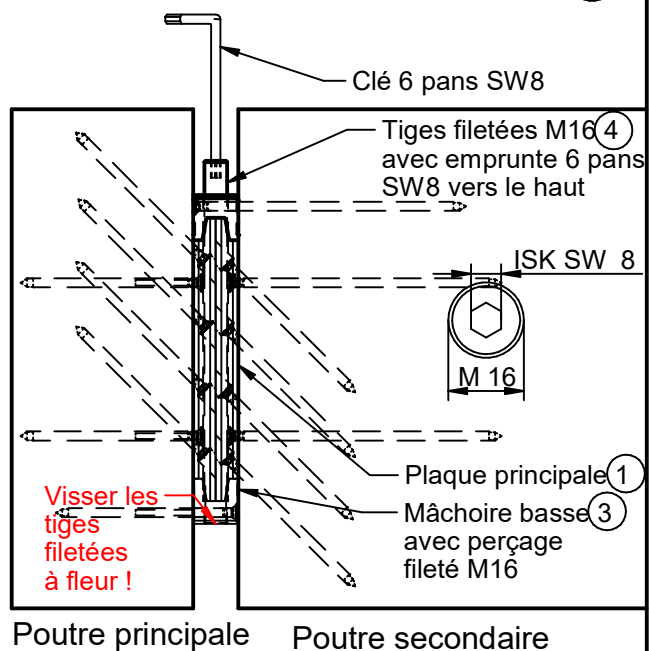
Procédure de montage connecteurs visibles

ALU AW 6005

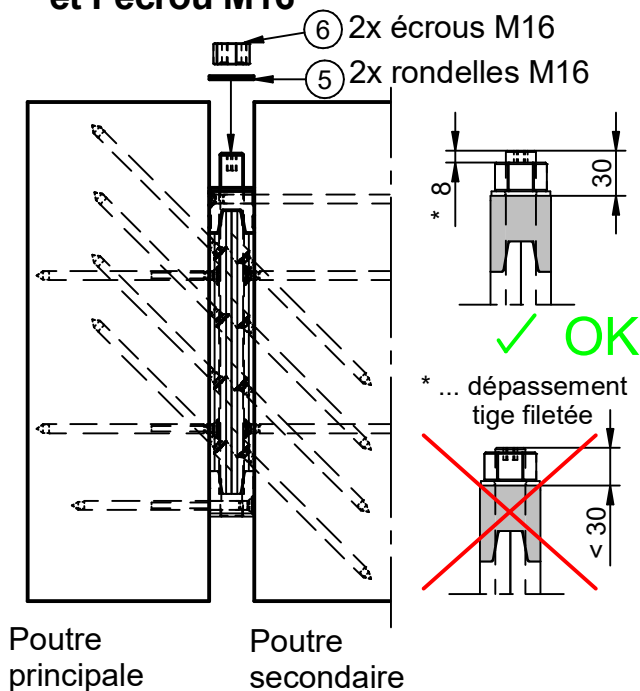
1. Accroche de la poutre secondaire



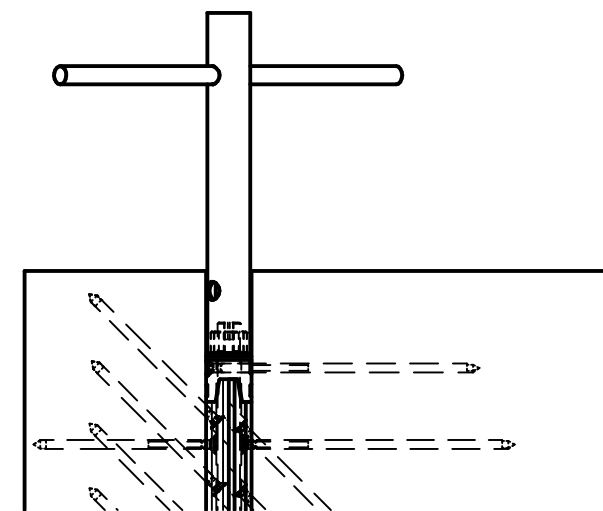
2. Visser les tiges filetées ④ (M16) à fleur dans la mâchoire inférieure③



3. Mettre en place la mâchoire supérieure, la rondelle et l'écrou M16



4. Serrer l'écrou M16 avec une clé à douille (SW24) 40 Nm !





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