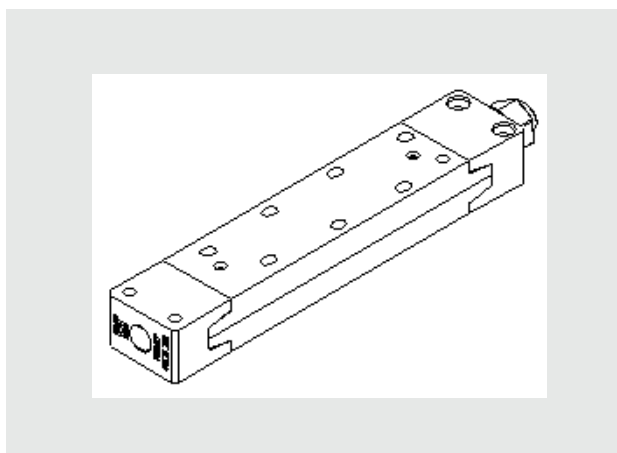


Montageanleitung

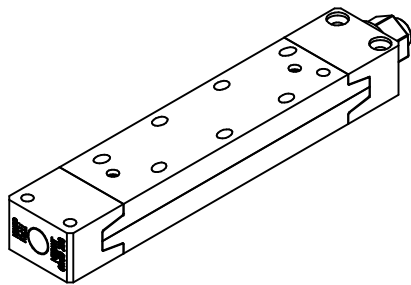
Construction Manual

Notice de montage

VERSION



Art.-Nr.

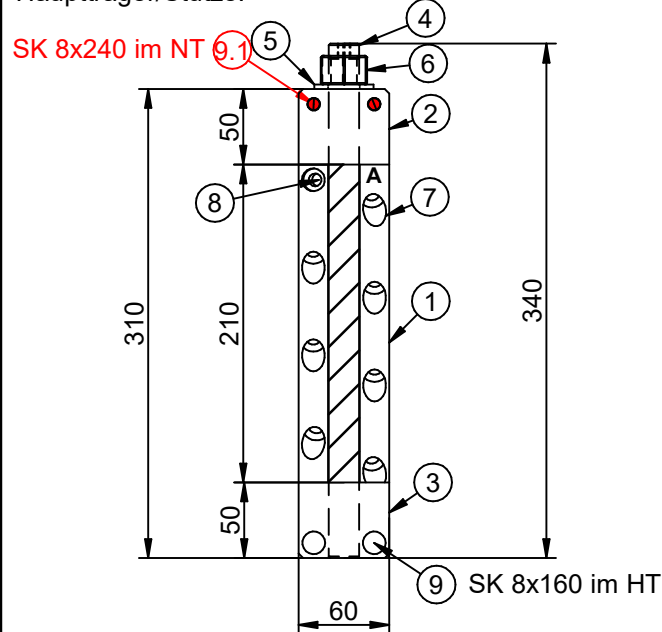


Montageanleitung

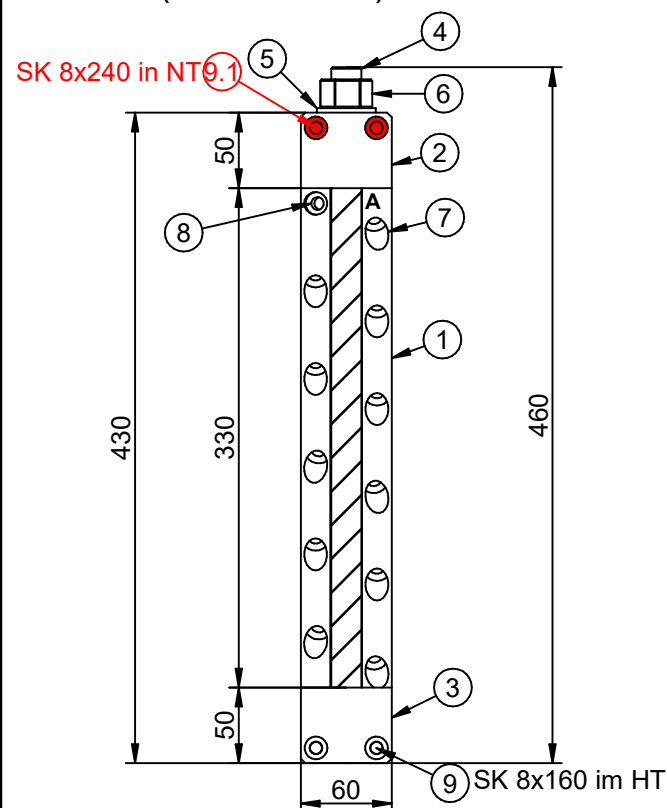
MEGANT® 60

Übersicht Standardgrößen

Hauptträger/Stütze:



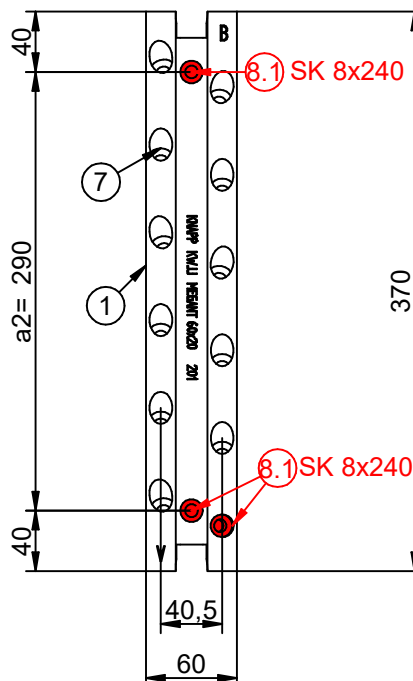
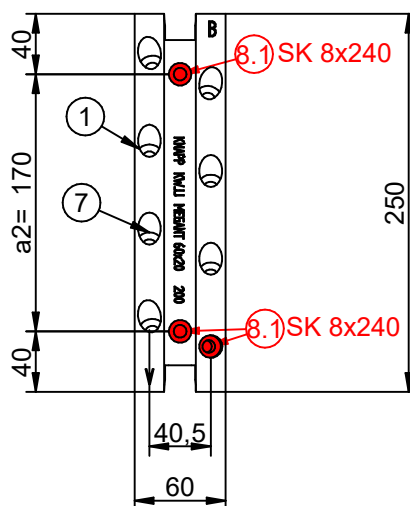
MEGANT® 310x60x40
(Art.Nr. K242)

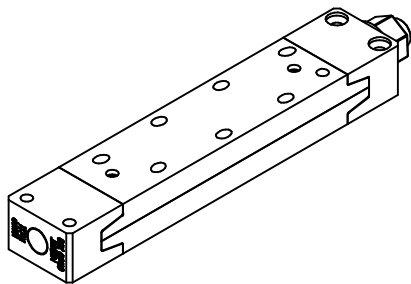


MEGANT® 430x60x40
(Art.Nr. K243)

Nebenträger:

ALU AW 6082

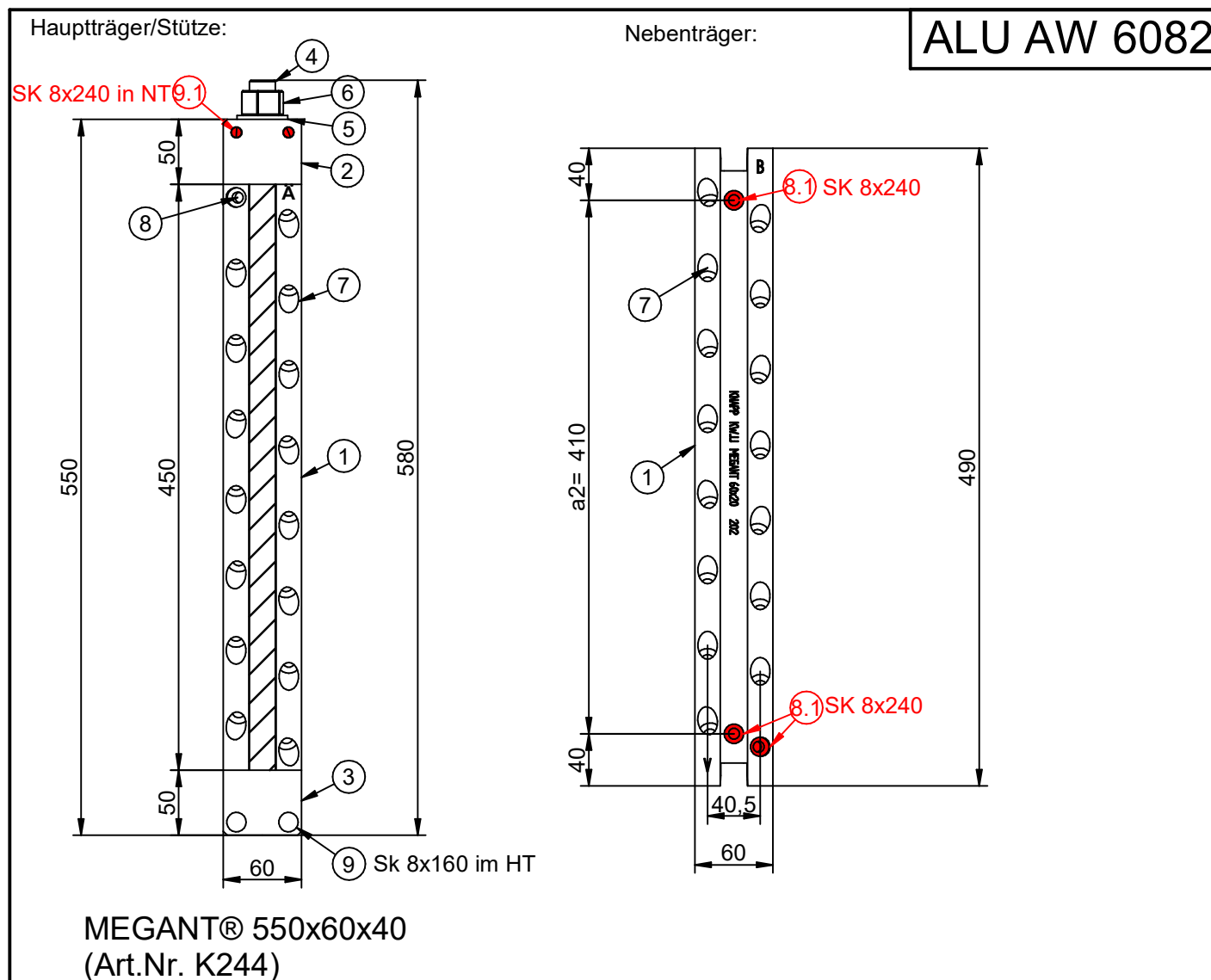




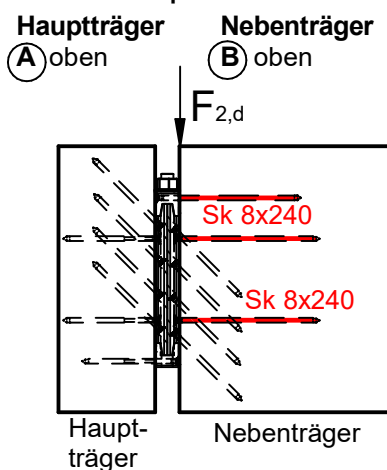
Montageanleitung

MEGANT® 60

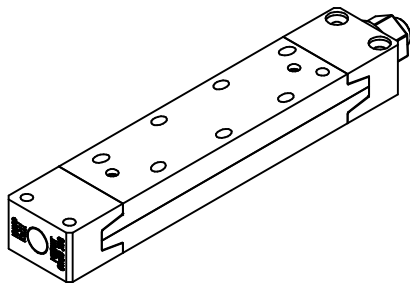
Übersicht Standardgrößen



Verbinderplatten Kennzeichnung:



Pos Nr.	Art. Nr.	Bauteil	MEGANT Größen (AW 6082)		
			310x60x40	430x60x40	550x60x40
1	K242-K244	Verbinderplatte	250x60x20	370x60x20	490x60x20
2		Spannbacke oben	50x40x60; D20	50x40x60; D20	50x40x60; D20
3		Spannbacke unten	50x40x60; M20	50x40x60; M20	50x40x60; D20
4		Gewindestange	1xM20x340	1xM20x460	1xM20x580
5		Beilagscheibe	1xM20	1xM20	1xM20
6		Mutter	1xM20	1xM20	1xM20
7	Z581	Schrägverschraubung	14 x Sk 8x160	22 x Sk 8x160	30 x Sk 8x160
8	Z581	H-Verschraubung	3 x Sk 8x160	3 x Sk 8x160	3 x Sk 8x160
8.1	Z672	H-Verschraubung	3 x Sk 8x240	3 x Sk 8x240	3 x Sk 8x240
9	Z581	Spannbacken-	2 x Sk 8x160	2 x Sk 8x160	2 x Sk 8x160
9.1	Z672	Verschraubung	2 x Sk 8x240	2 x Sk 8x240	2 x Sk 8x240

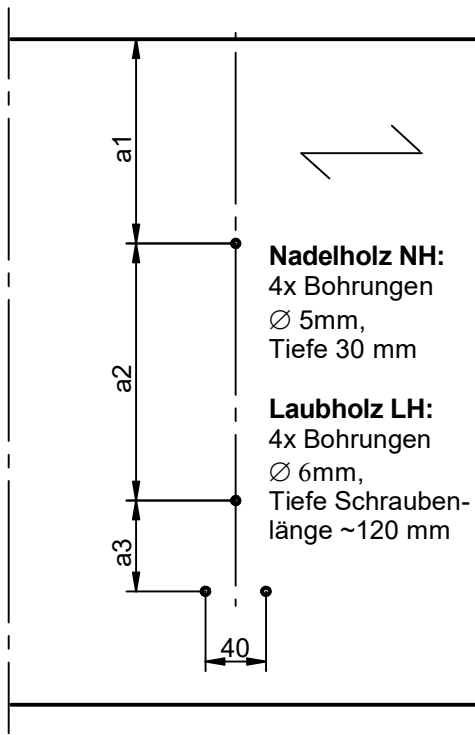


MEGANT® 60

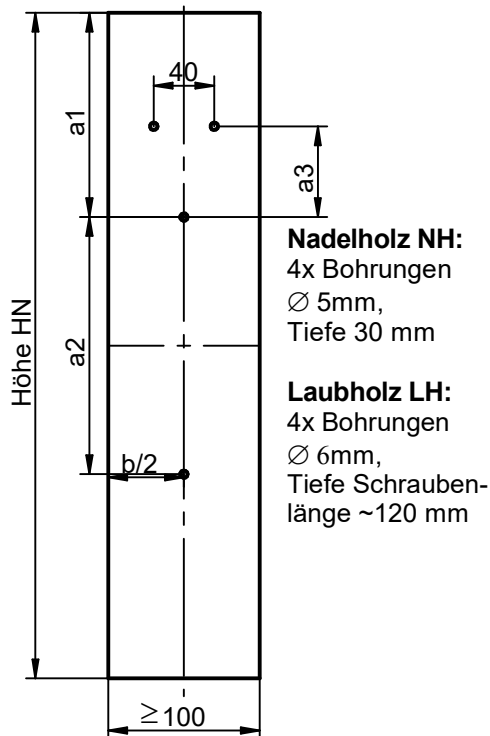
Bohrbild sichtbarer mittiger Einbau

Positionierbohrungen im Hauptträger erstellen !

ALU AW 6082



Positionierbohrungen für mittige Montage im Nebenträger erstellen !

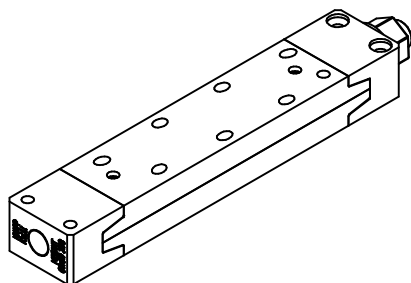
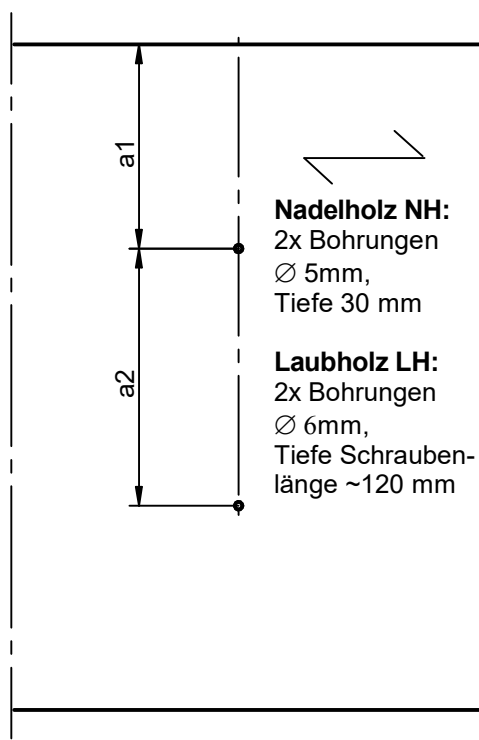
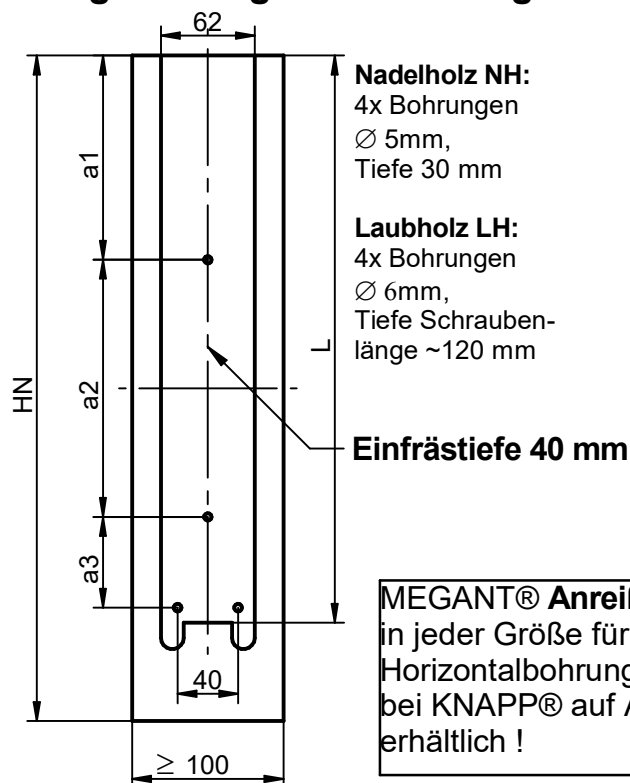


Bohrmaße beim mittigen Einbau im Nebenträger			
Neben-träger	Bohrabstände a1 in Abhängigkeit der Nebenträgerhöhe H_N [mm]		
Höhe	MEGANT®	MEGANT®	MEGANT®
H_N [mm]	310x60	430x60	550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

Abstände	MEGANT®	MEGANT®	MEGANT®
	310x60	430x60	550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

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

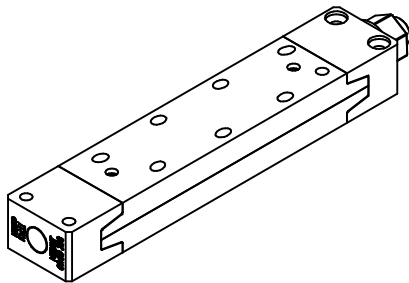
MEGANT® 60

Bohrbild verdeckt mittiger Einbau

Positionierbohrungen im Hauptträger erstellen !
ALU AW 6082

Ausfräsung und Positionierbohrungen für mittige Montage im Nebenträger erstellen !


Bohrmaße beim mittigen Einbau im Nebenträger			
Neben-träger	Bohrabstände a1 in Abhängigkeit der Nebenträgerhöhe H _N [mm]		
Höhe	MEGANT®	MEGANT®	MEGANT®
H _N [mm]	310x60	430x60	550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

Neben-träger	Ausfräslängen L in Abhängigkeit der Nebenträgerhöhe H _N [mm]		
Höhe	MEGANT®	MEGANT®	MEGANT®
H _N [mm]	310x60	430x60	550x60
400	355		
440	375		
480	395		
520	415	475	
560	435	495	
600	455	515	
640		535	595
680		555	615
700		565	625
720		575	635
760		595	655
800		615	675
840			695
880			715
920			735
960			755
1000			775

Abstände	MEGANT®	MEGANT®	MEGANT®
	310x60	430x60	550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

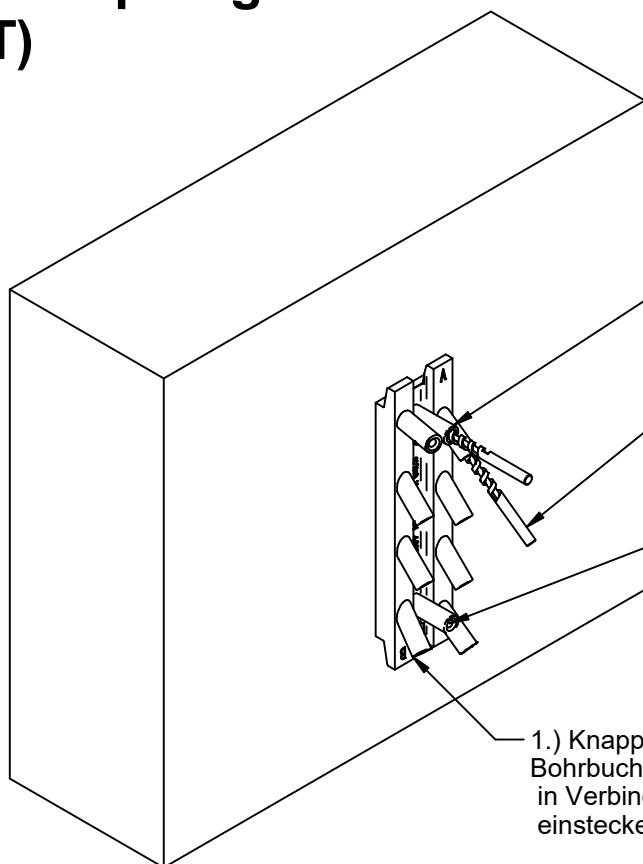


MEGANT® 60

Megant in Laubholz (LH) vorbohren

LH-Hauptträger (HT)

ALU AW 6082

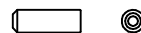


3.) Schablone in den Horizontalbohrungen festschrauben

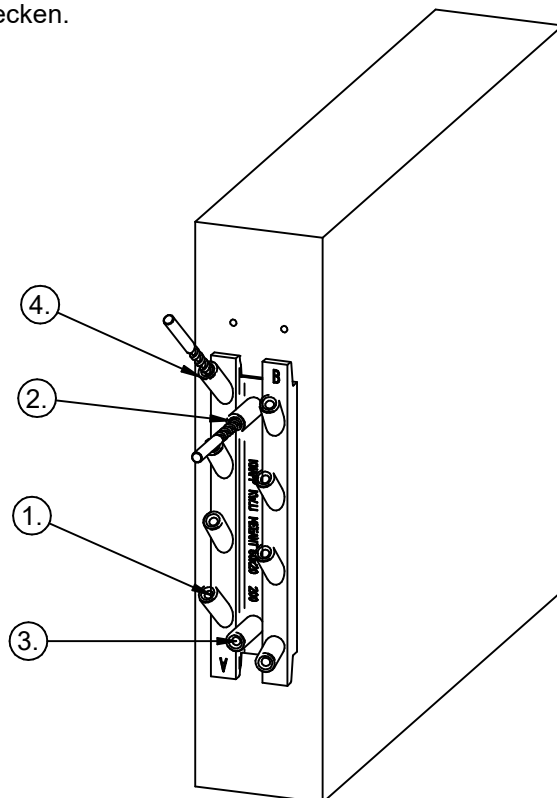
4.) Schrägbohrungen erstellen !

2.) Horizontalschrauben auf volle Schraubenlänge mit $d=6\text{mm}$ vorbohren

1.) Knapp Megant-Bohrbuchse in Verbinderrplatte einstecken.



LH-Nebenträger (NT)



4.

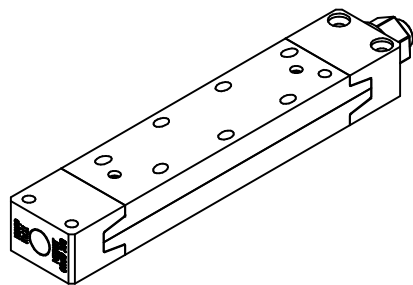
2.

1.

3.

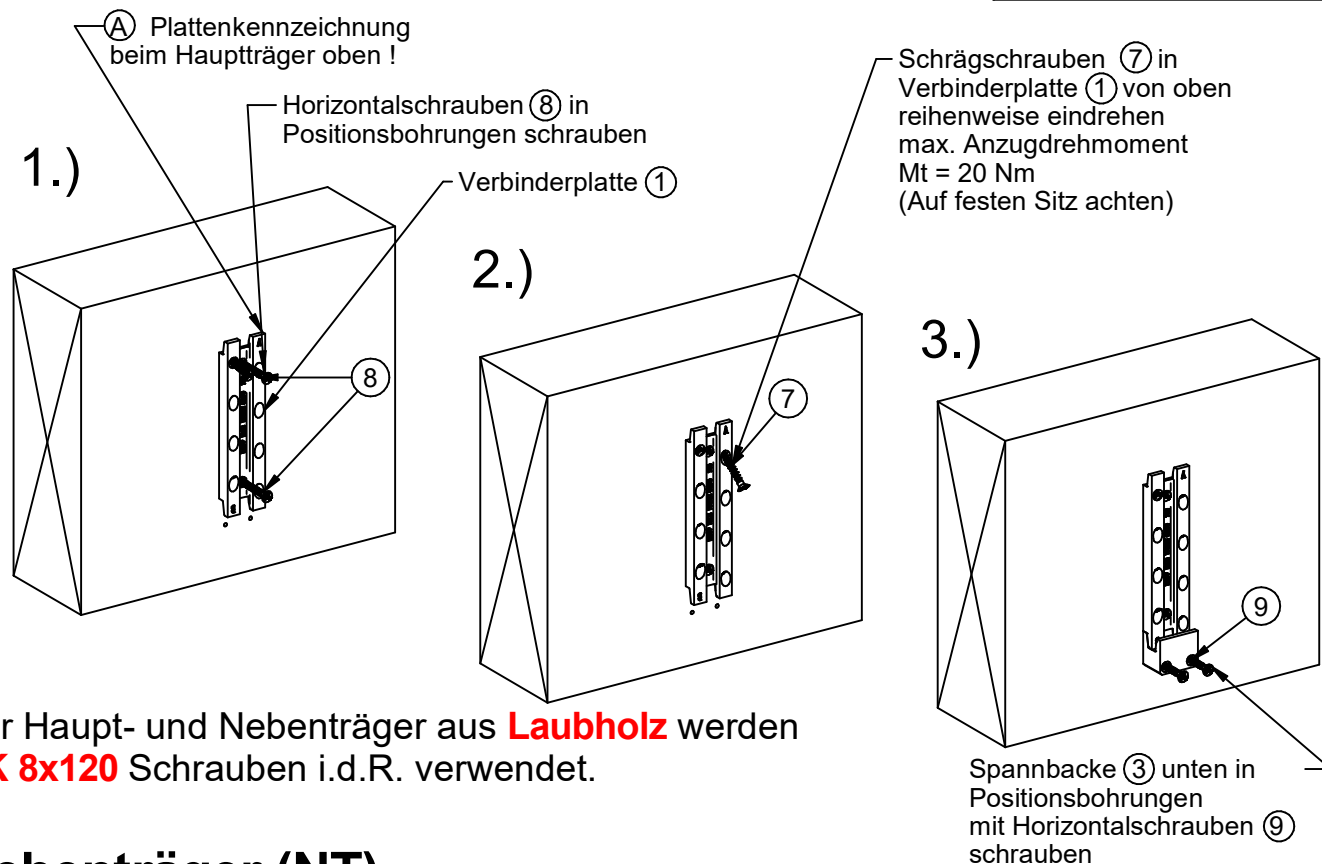
MEGANT® 60

Megant sichtbar in HT / NT einbauen



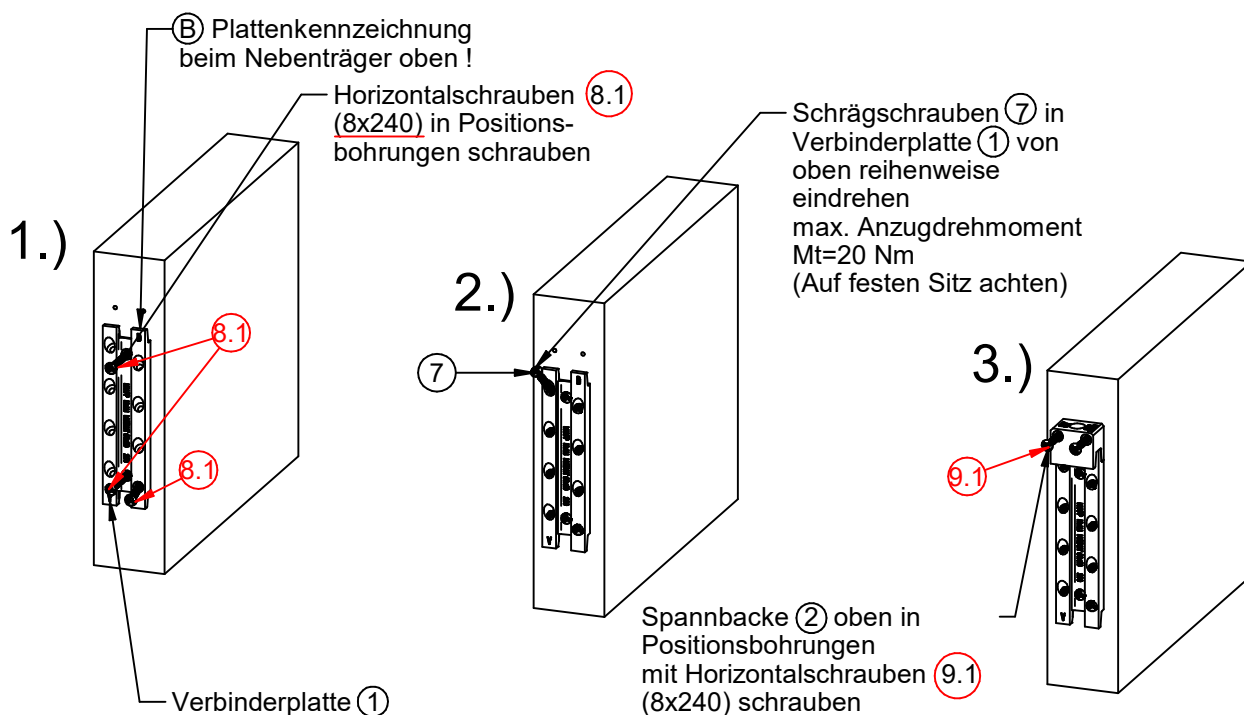
Hauptträger (HT)

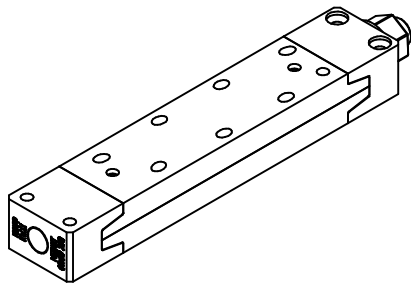
ALU AW 6082



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

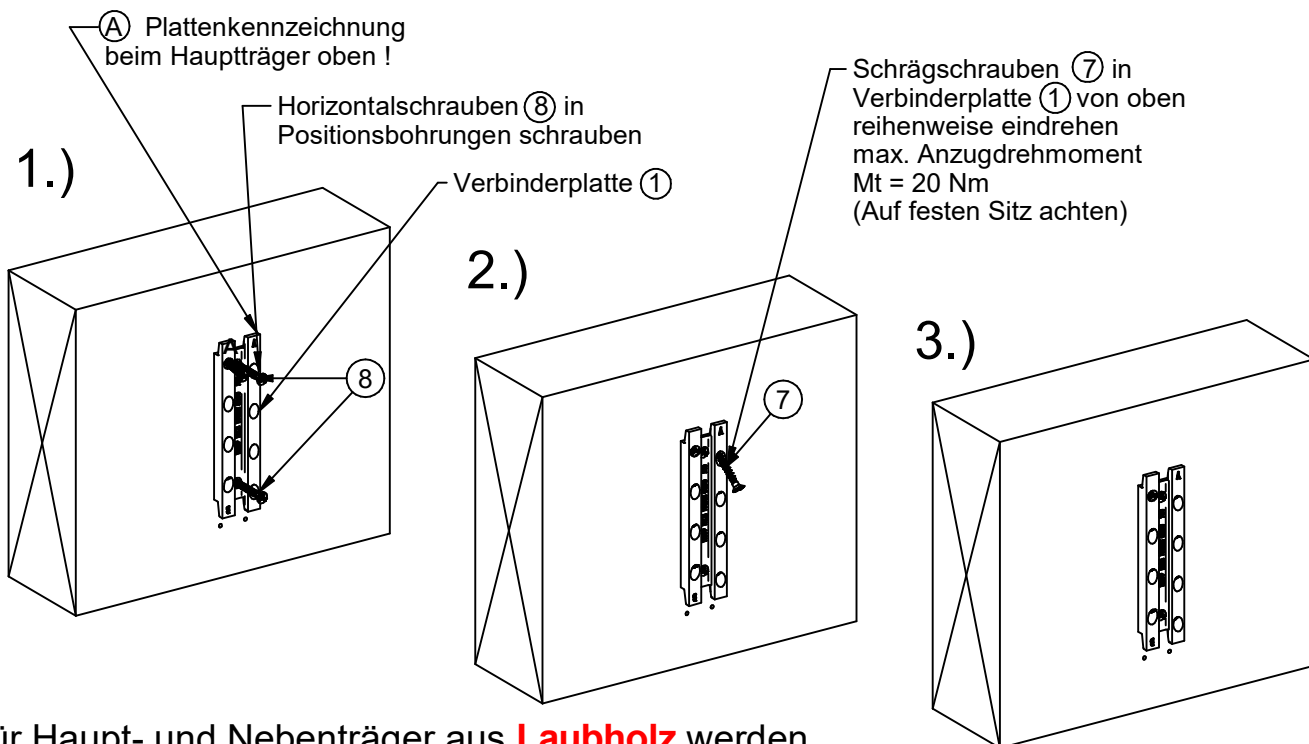
Nebenträger (NT)





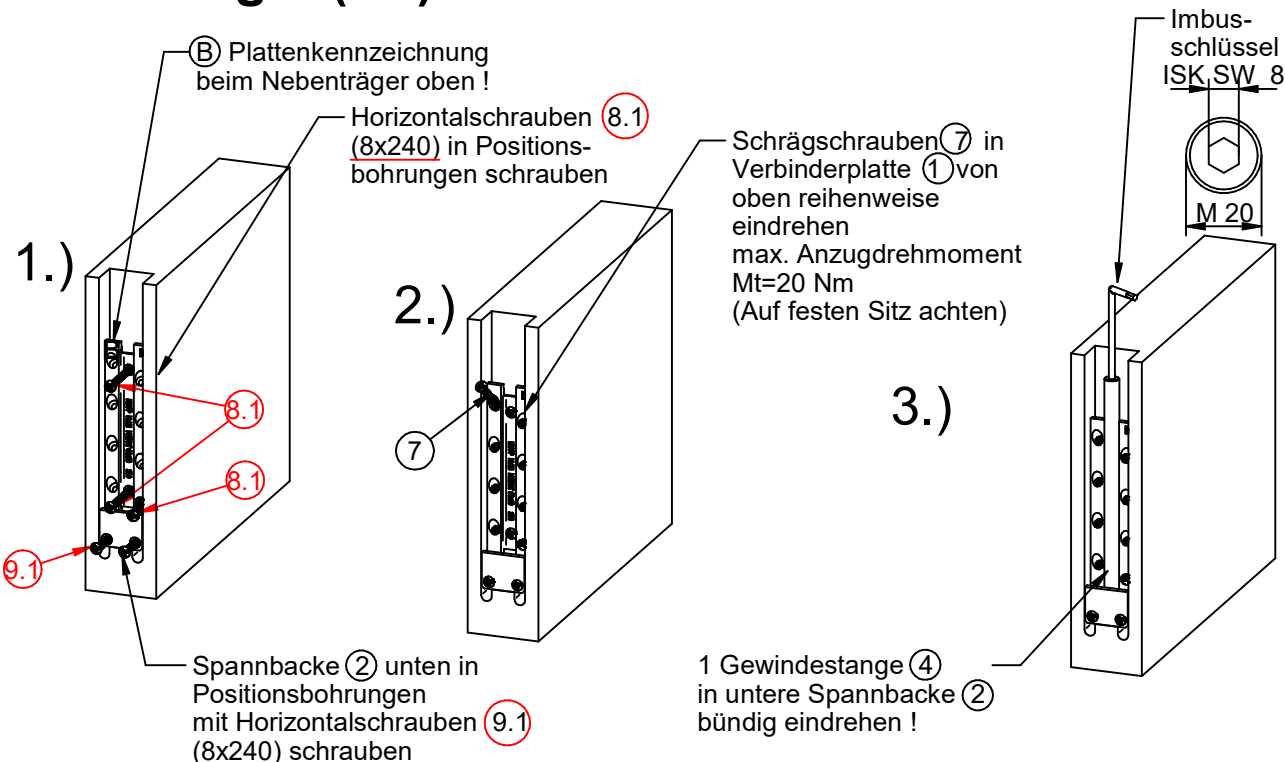
Hauptträger (HT)

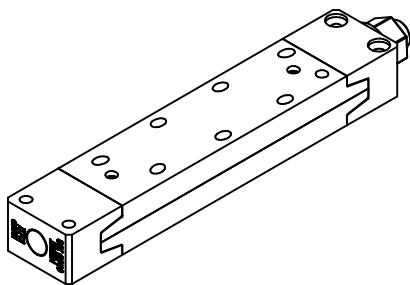
ALU AW 6082



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

Nebenträger (NT)



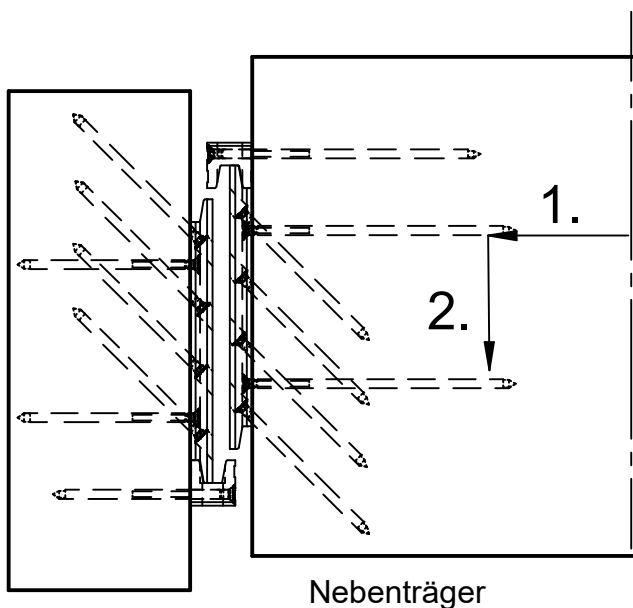


MEGANT® 60

Ablauf sichtbarer Montage

ALU AW 6082

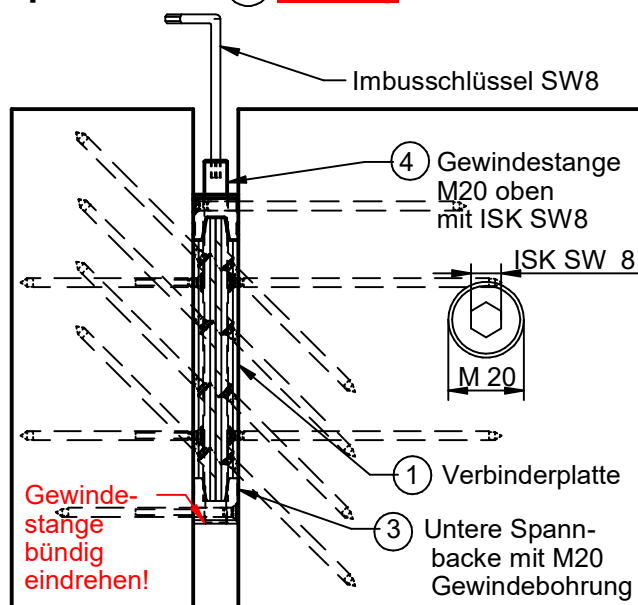
1. Nebenträger einhängen



Hauptträger

Nebenträger

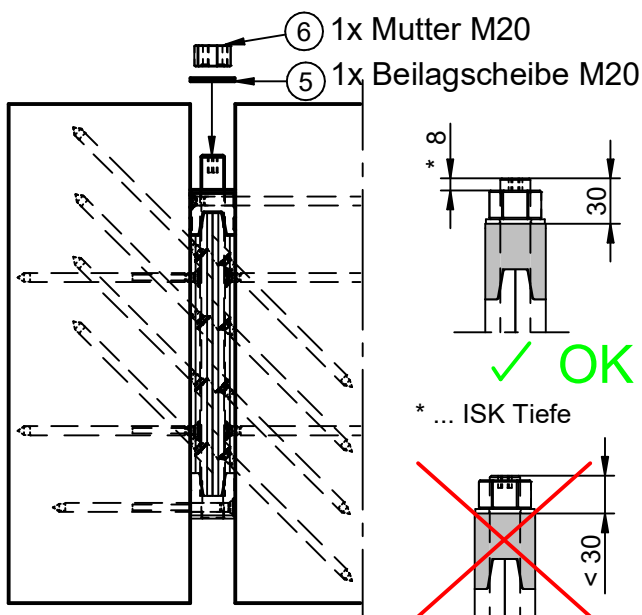
2. Gewindestange ④ (M20) in untere Spannbacke ③ **bündig** eindrehen



Hauptträger

Nebenträger

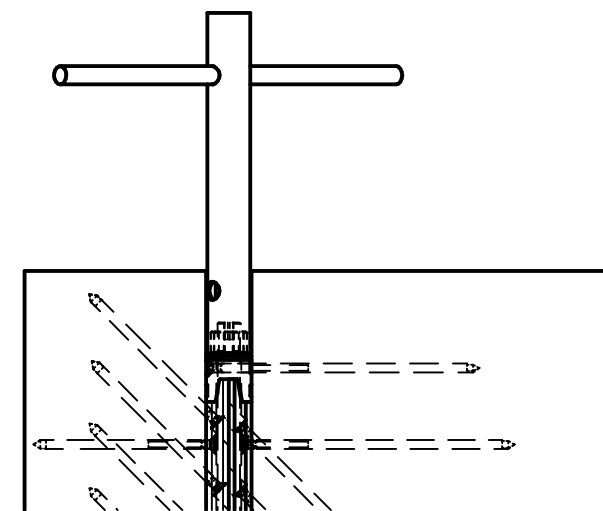
3. Spannbacke, Beilagscheibe und Mutter M20 aufsetzen

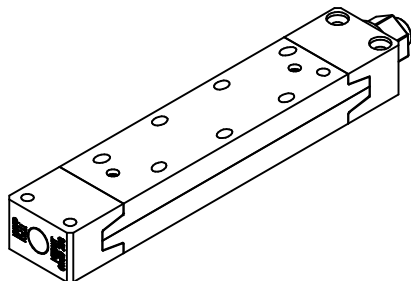


Hauptträger

Nebenträger

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



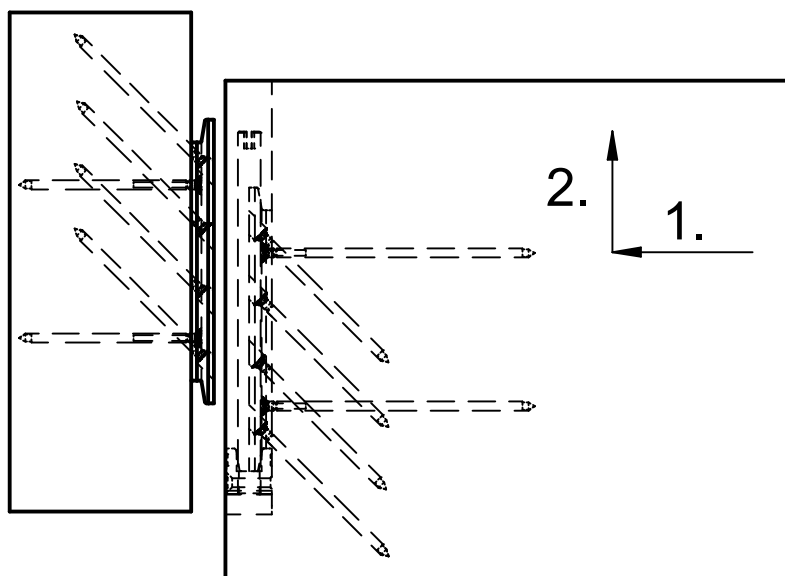


Montageanleitung MEGANT® 60x40

Ablauf verdeckter Montage

1. Nebenträger von unten einhängen

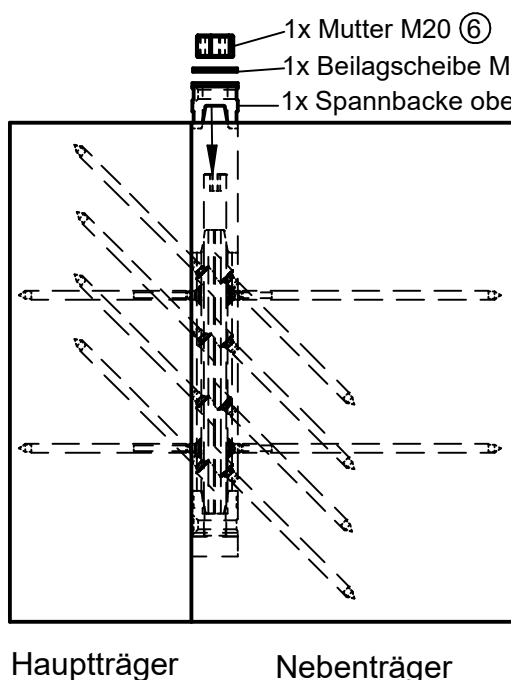
ALU AW 6082



Hauptträger

Nebenträger

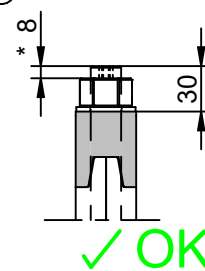
2. Spannbacke, Beilagscheibe und Mutter M20 aufsetzen und mit Steckschlüssel (SW30) 40 Nm festziehen



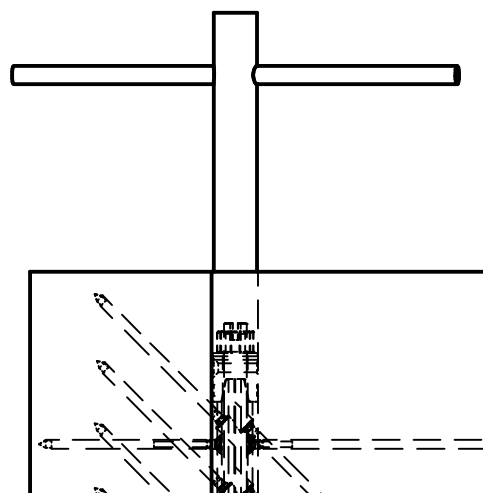
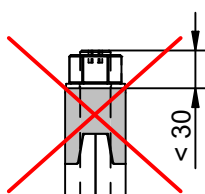
Hauptträger

Nebenträger

- 1x Mutter M20 ⑥
- 1x Beilagscheibe M20 ⑤
- 1x Spannbacke oben ②



* ... ISK Tiefe





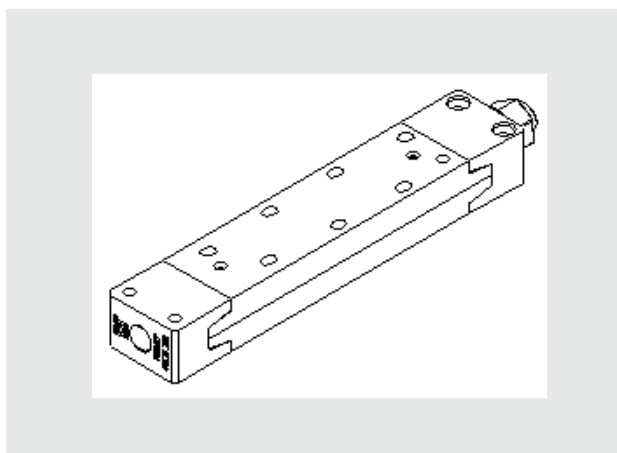
Knapp GmbH ■ Wassergasse 31 ■ A-3324 Euratsfeld ■ Tel.: +43 (0)7474 / 799 10 ■ Fax: +43 (0)7474 / 799 10 99
Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale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

Construction Manual

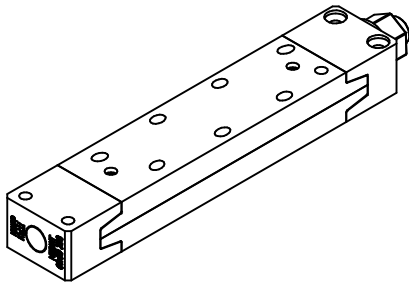
Notice de montage

VERSION



Art.-No.

KNAPP®
connectors.com



Assembly Instructions

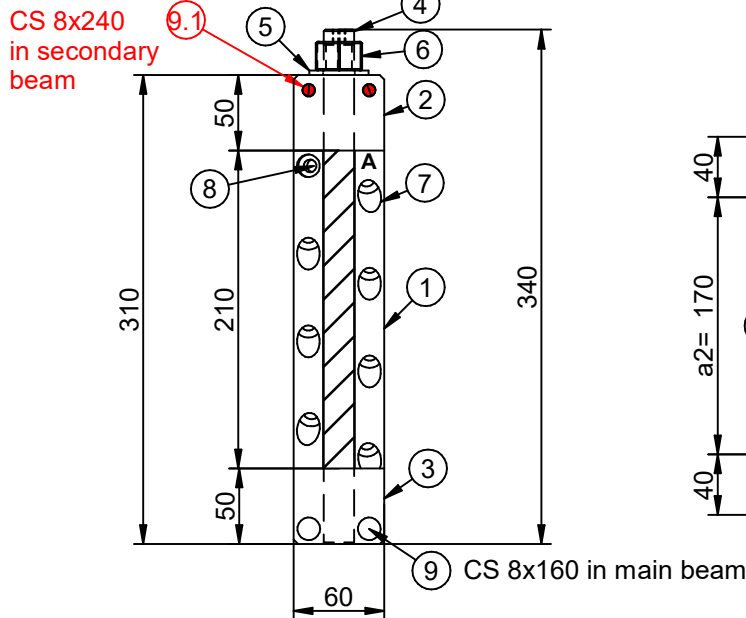
MEGANT® 60

Overview of standard sizes

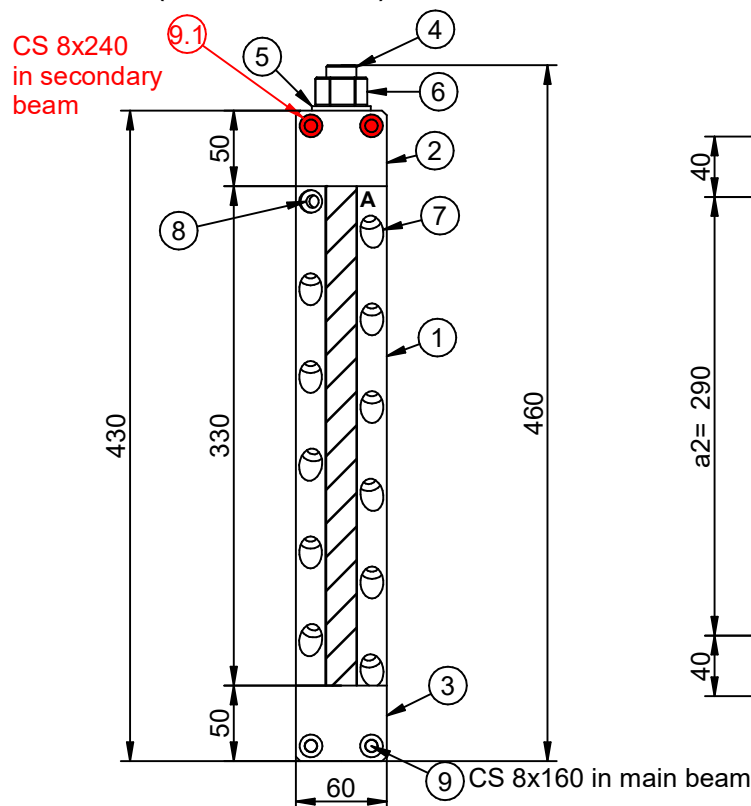
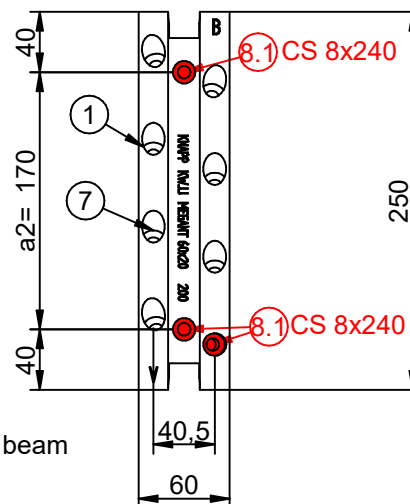
Main beam/Column:

Secondary beam:

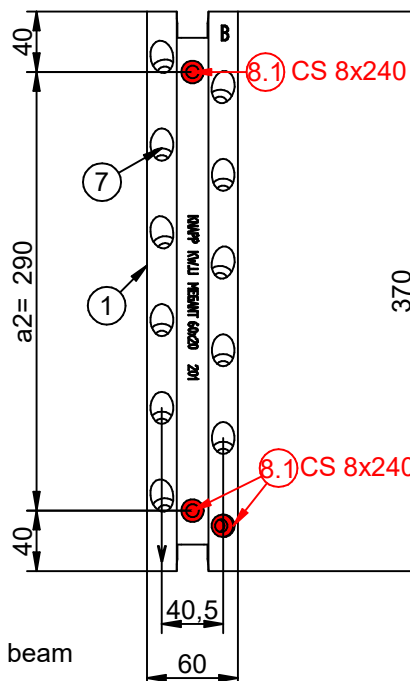
ALU AW 6082



MEGANT® 310x60x40
(Art.No. K242)

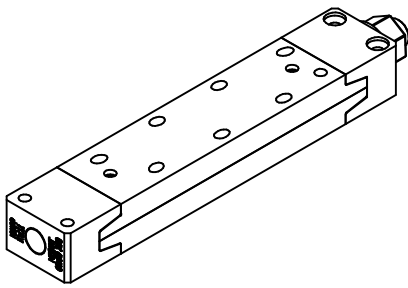


MEGANT® 430x60x40
(Art.No. K243)



MEGANT® 60

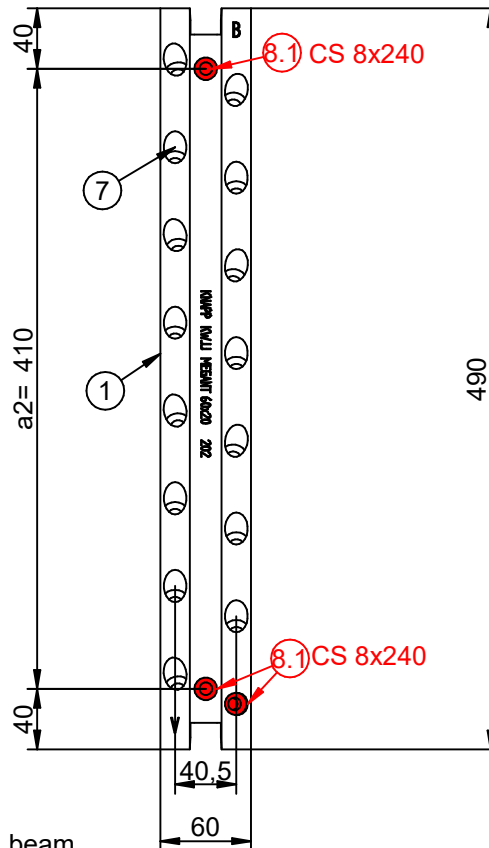
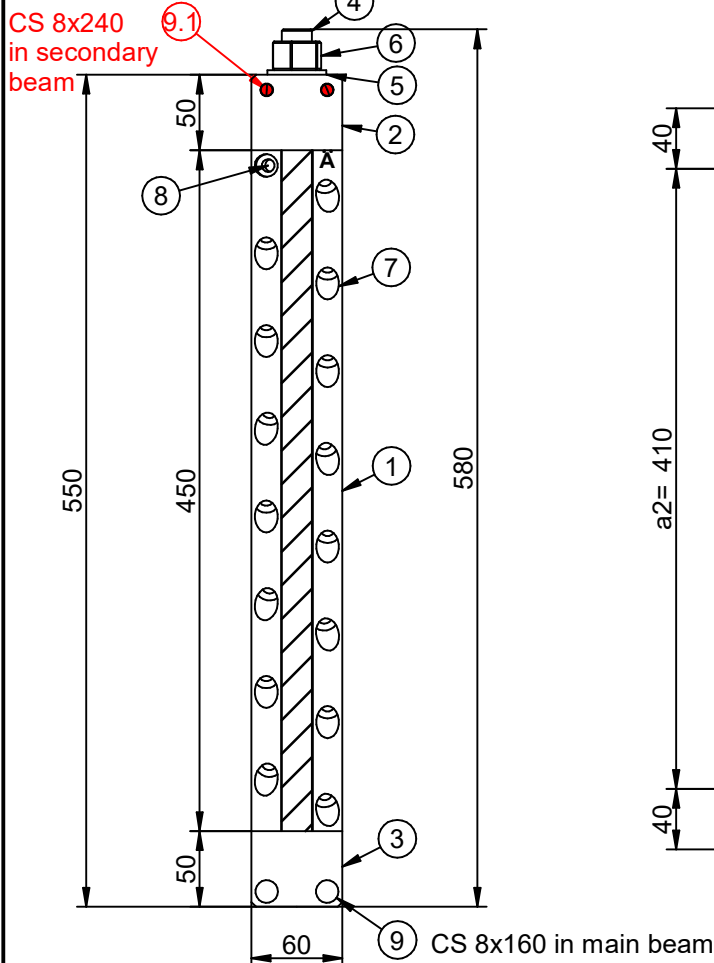
Overview of standard sizes



Main beam/Column:

Secondary beam :

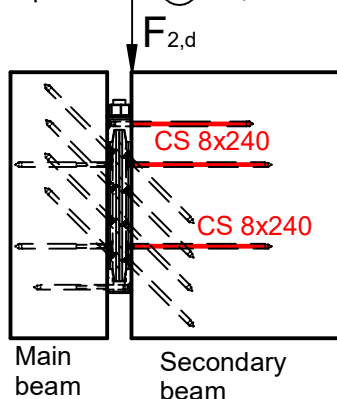
ALU AW 6082



MEGANT® 550x60x40
(Art.No. K244)

Connector plate specs

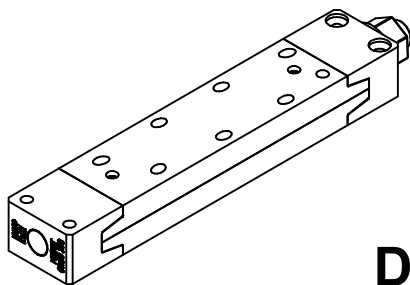
Main beam (A) - top
Secondary beam (B) - top



Pos No.	Art. No.	part description	MEGANT® Sizes (AW 6082)		
			310x60x40 Art.No. K 242	430x60x40 Art. No. K 243	550x60x40 Art. No. K 244
1	K242-K244	connector plates	250x60x40	370x60x40	490x60x40
2		clamping jaws top	50x40x60; D20	50x40x60; D20	50x40x60; D20
3		clamping jaws bottom	50x40x60; M20	50x40x60; M20	50x40x60; D20
4		threaded rod	1xM20x340	1xM20x460	1xM20x580
5		washer	1xM20	1xM20	1xM20
6		nut	1xM20	1xM20	1xM20
7	Z581	Inclined screw connection	14x CS8x160	22xCS8x160	30xCS8x160
8	Z581	horizontal screws	3x CS8x160	3x CS8x160	3x CS8x160
8.1	Z672	horizontal screws	3x CS8x240	3x CS8x240	3xCS8x240
9	Z581	Clamping jaw screws	2x CS8x160	2x CS8x160	2x CS8x160
9.1	Z672	Clamping jaw screws	2x CS8x240	2x CS8x240	2x CS8x240

This drawing is the property of Knapp GmbH.

© Knapp GmbH. All measures in mm - Errors, misprints and changes reserved. VERSION 24.02.2021

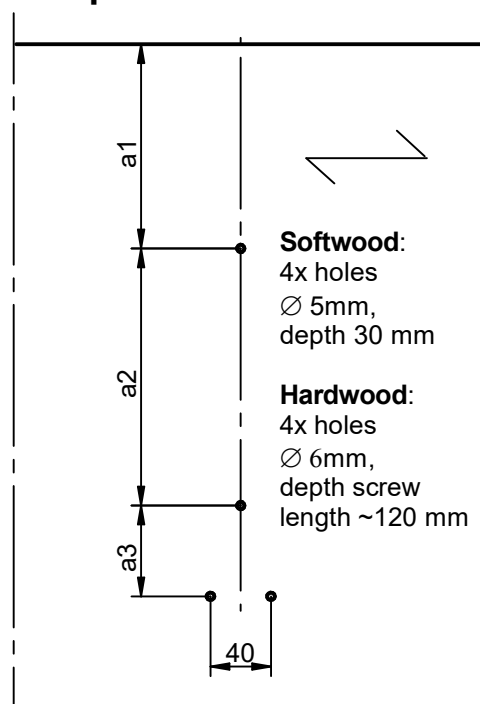


MEGANT® 60

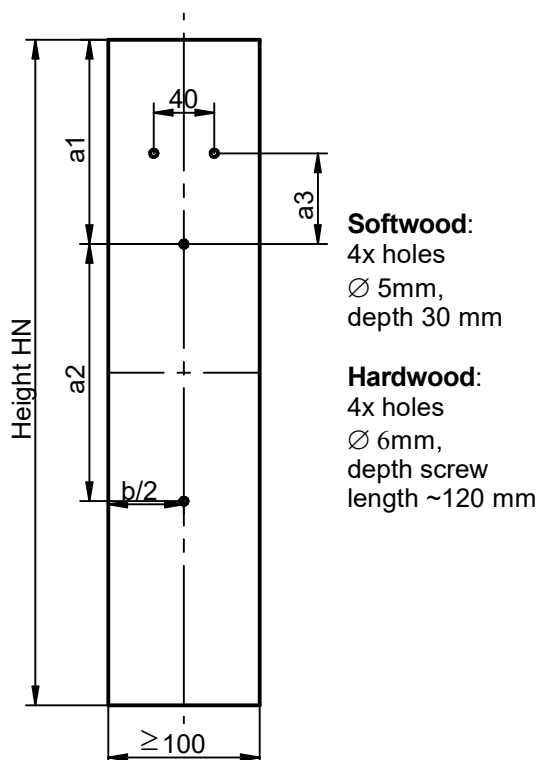
Drilling pattern visible central installation

ALU AW 6082

Drill pattern main beam !



Drilling positions for centered, visible mounting in secondary beam !

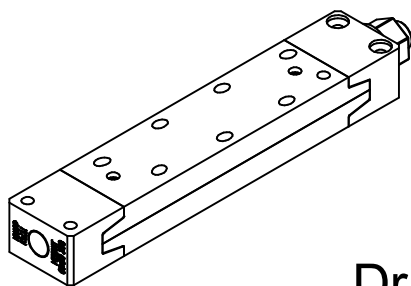


Drilling dimensions with visible central installation

Secondary beam	Drilling distances a1 depending on the secondary beam height HN [mm]		
Height	MEGANT®	MEGANT®	MEGANT®
H _N [mm]	310x60	430x60	550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

Distance	MEGANT®	MEGANT®	MEGANT®
	310x60	430x60	550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

MEGANT marking templates in any size for the horizontal drilling are available on request.

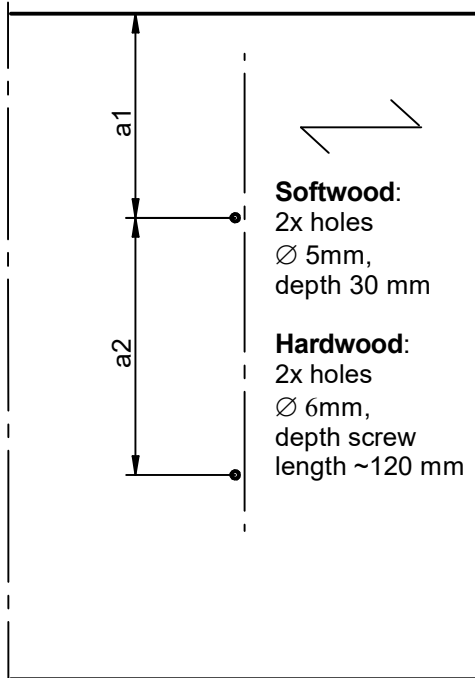


MEGANT® 60

Drilling pattern concealed central installation

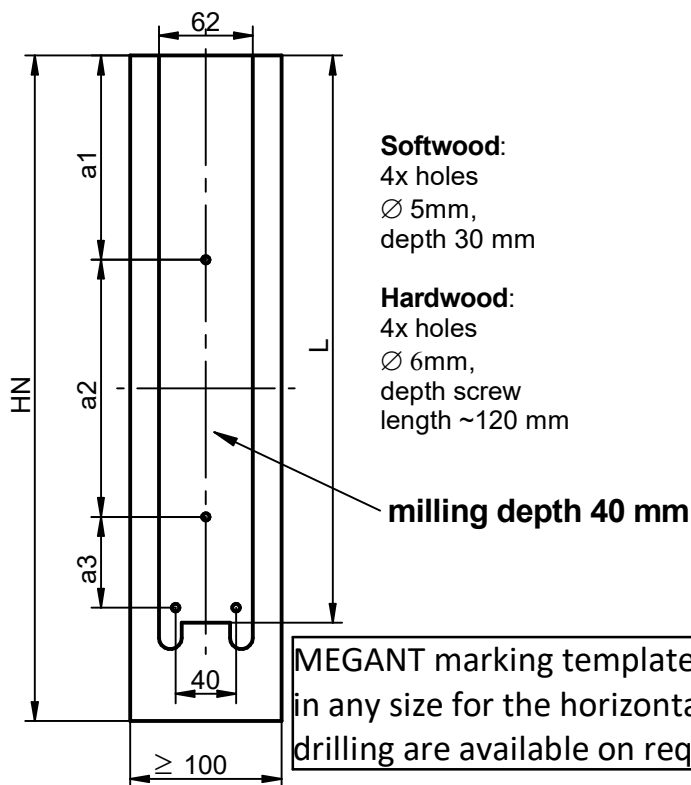
Drill pattern main beam !

ALU AW 6082



Drilling dimensions with concealed central installation			
Secondary beam	Drilling distances a1 depending on the secondary beam height HN [mm]		
Height	MEGANT®	MEGANT®	MEGANT®
H _N [mm]	310x60	430x60	550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

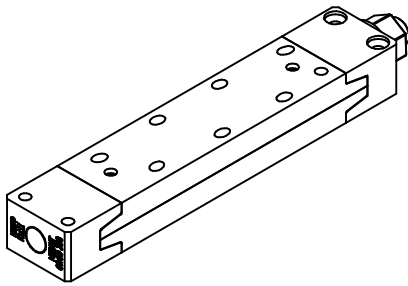
Milling pattern and positioning holes for central, concealed installation in the secondary beam !



Secondary beam	Milling lengths L depending on the secondary beam height HN [mm]		
Height	MEGANT®	MEGANT®	MEGANT®
H _N [mm]	310x60	430x60	550x60
400	355		
440	375		
480	395		
520	415	475	
560	435	495	
600	455	515	
640		535	595
680		555	615
700		565	625
720		575	635
760		595	655
800		615	675
840			695
880			715
920			735
960			755
1000			775

MEGANT marking templates in any size for the horizontal drilling are available on request.

Distance	MEGANT®	MEGANT®	MEGANT®
	310x60	430x60	550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

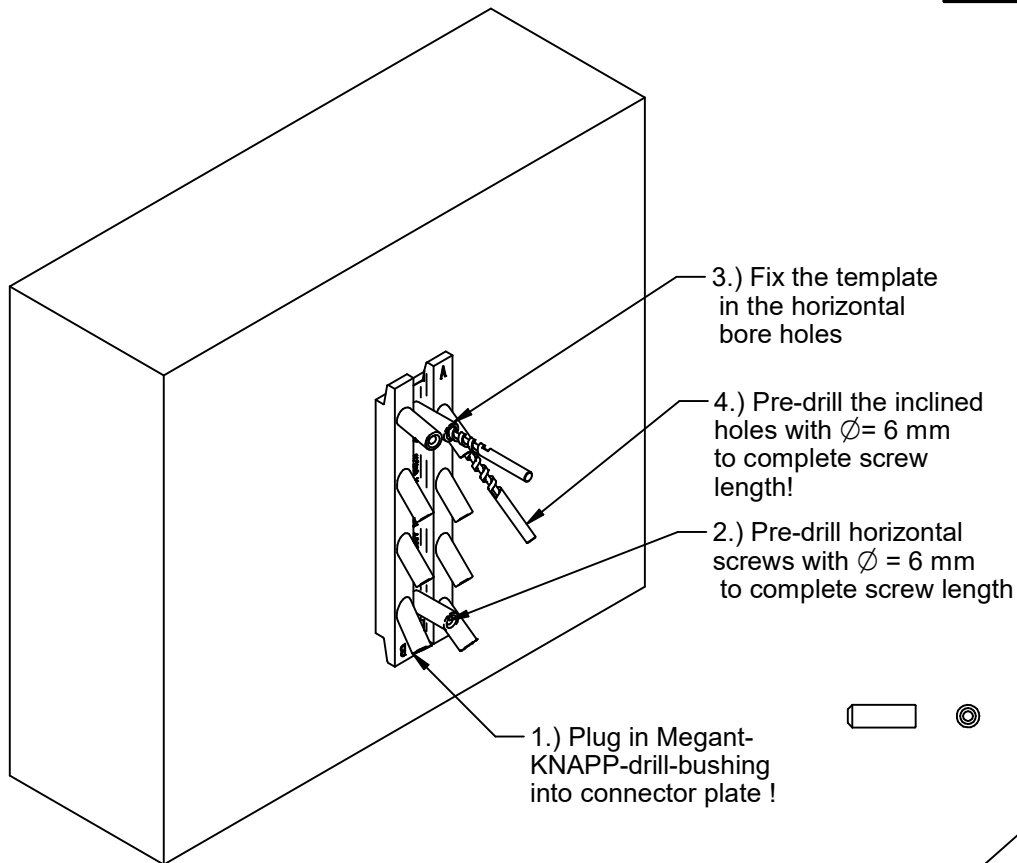


MEGANT® 60

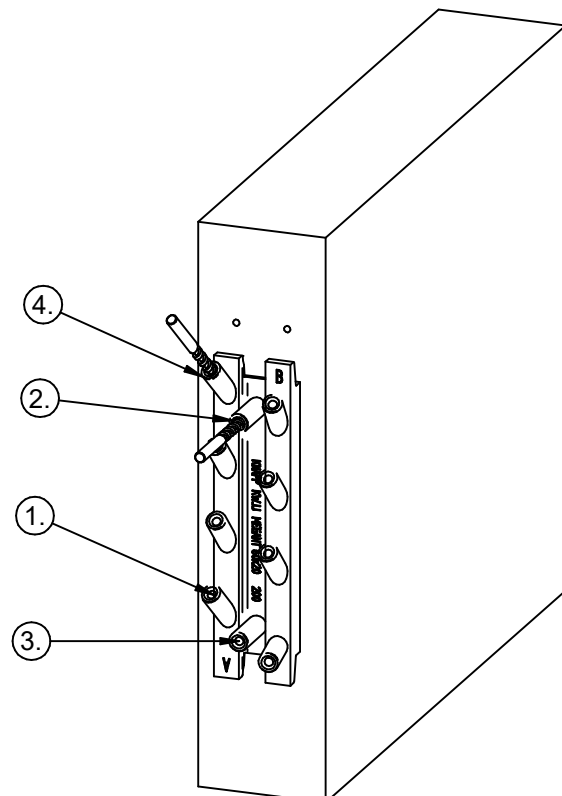
Pre-drilling Megant in **Hardwood**

Hardwood main beam:

ALU AW 6082

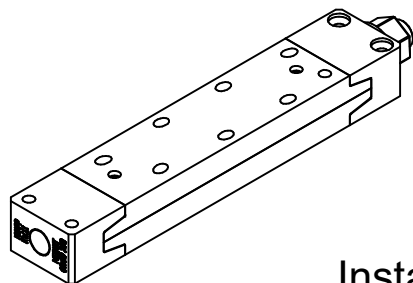


Hardwood secondary beam:



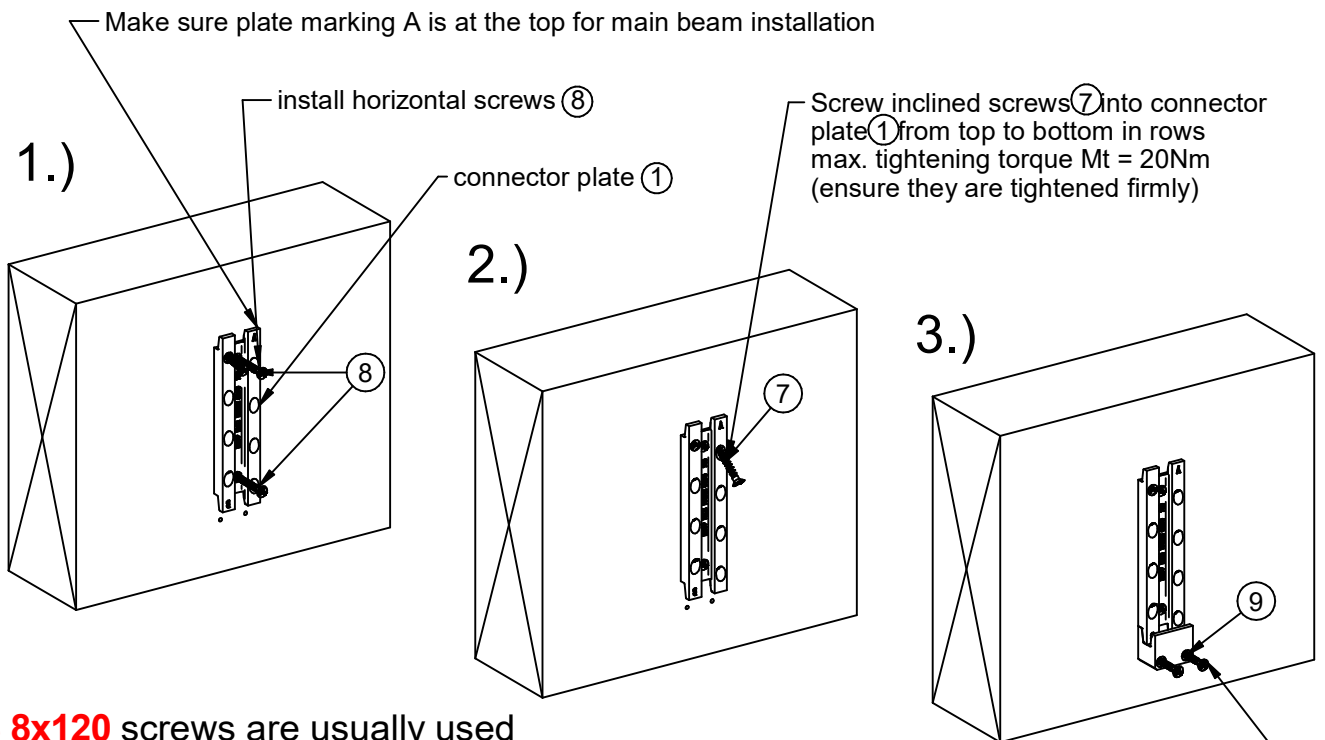
MEGANT® 60

Install MEGANT Visible in the main and secondary beam



Main beam

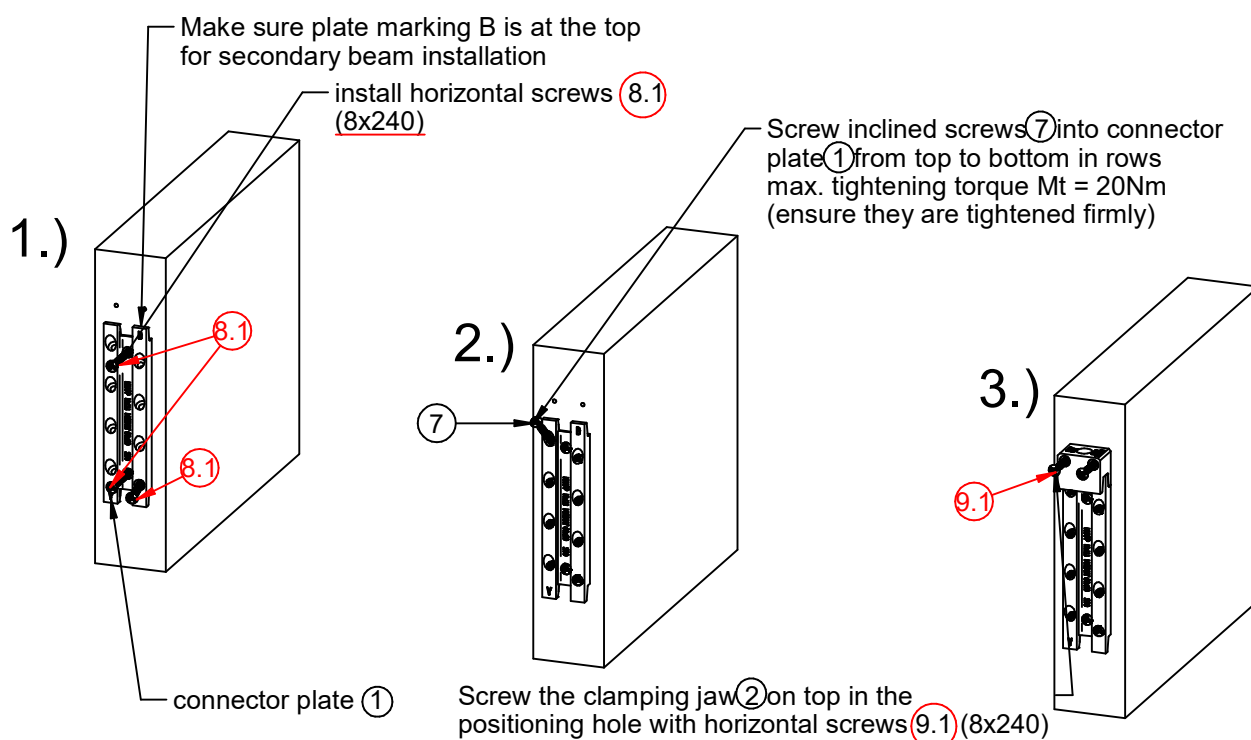
ALU AW 6082

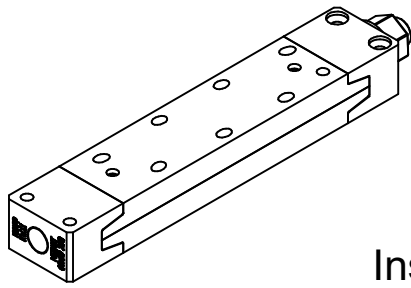


CS 8x120 screws are usually used for main and secondary beams made of hardwood

Secondary beam

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





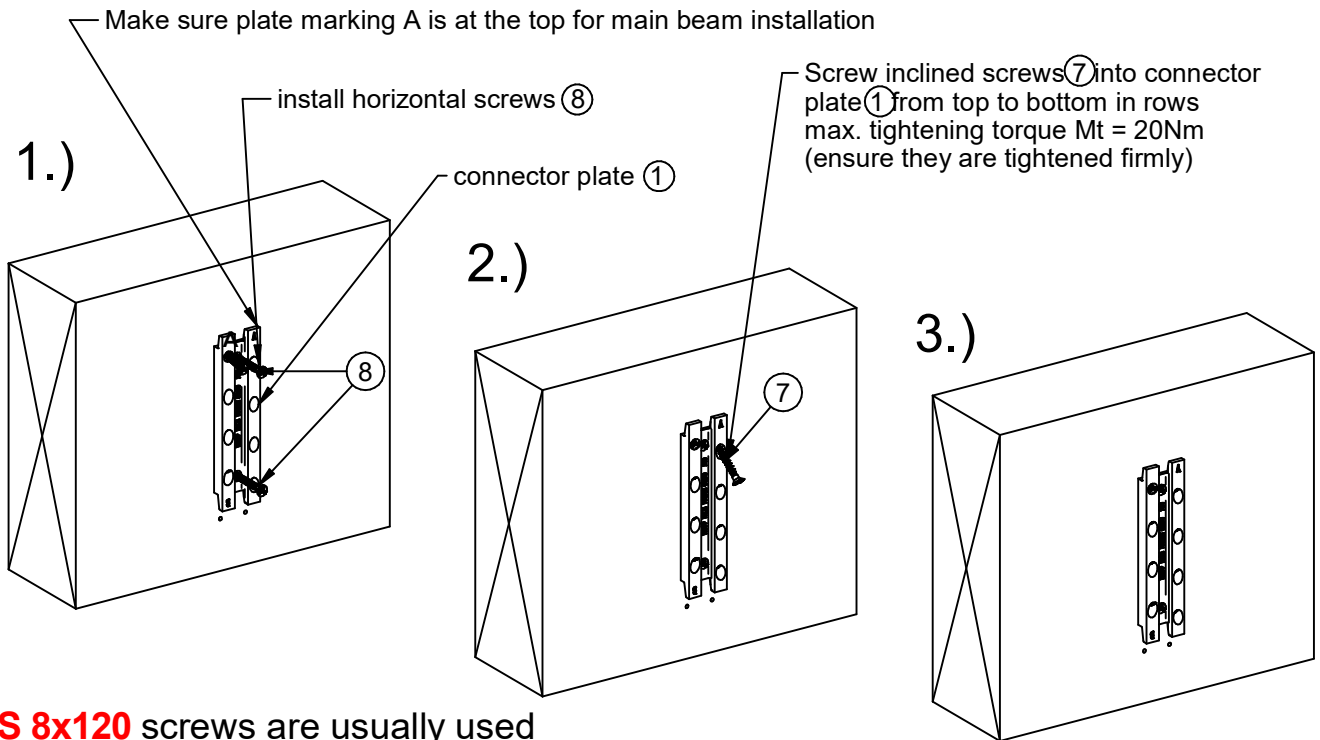
Assembly Instructions

MEGANT® 60

Install Megant Concealed in main and secondary beam

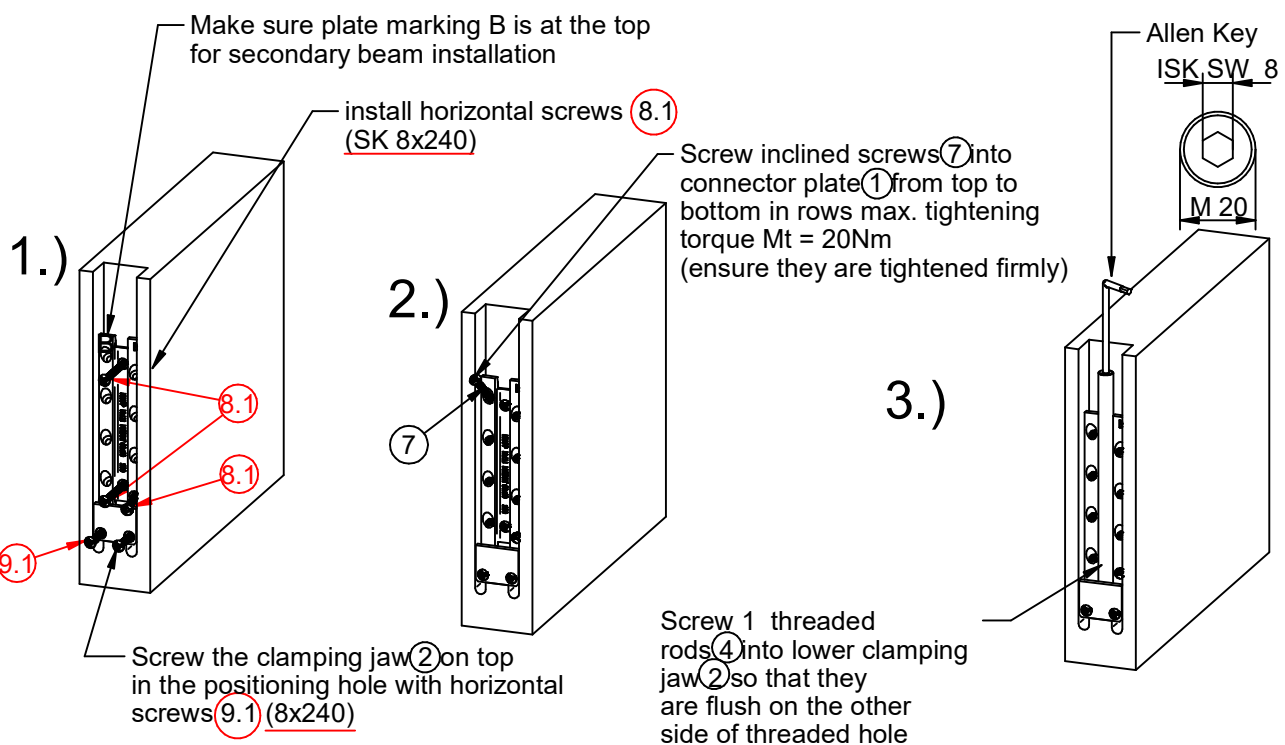
Main beam

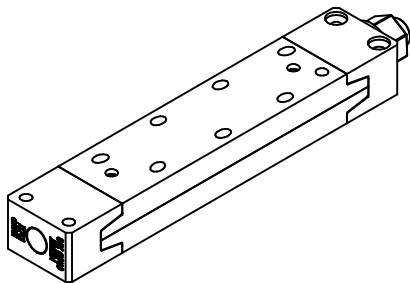
ALU AW 6082



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

Secondary beam



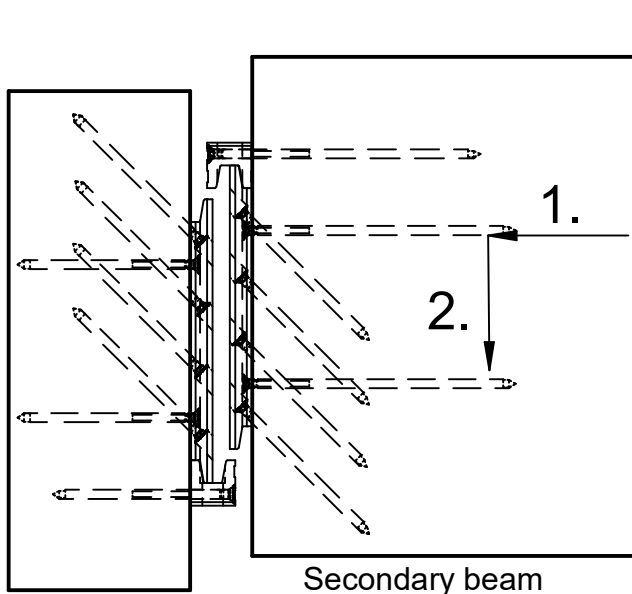


MEGANT® 60

Process of visible assembly

ALU AW 6082

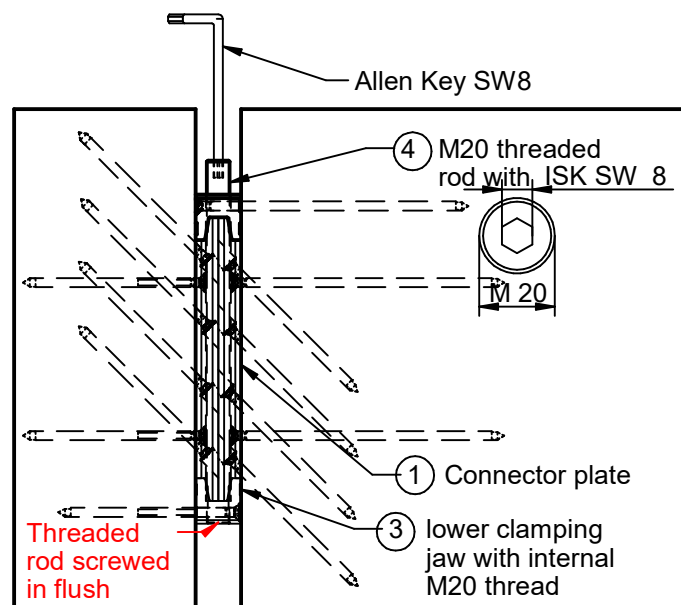
1. Install secondary beam



Main beam

Secondary beam

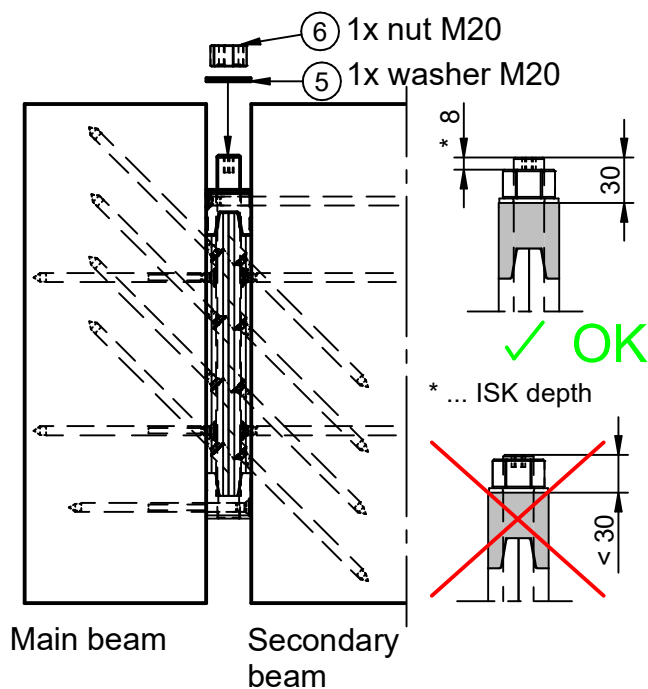
2. Install M20 threaded rod (4) in lower clamping jaw (3) flush



Main beam

Secondary beam

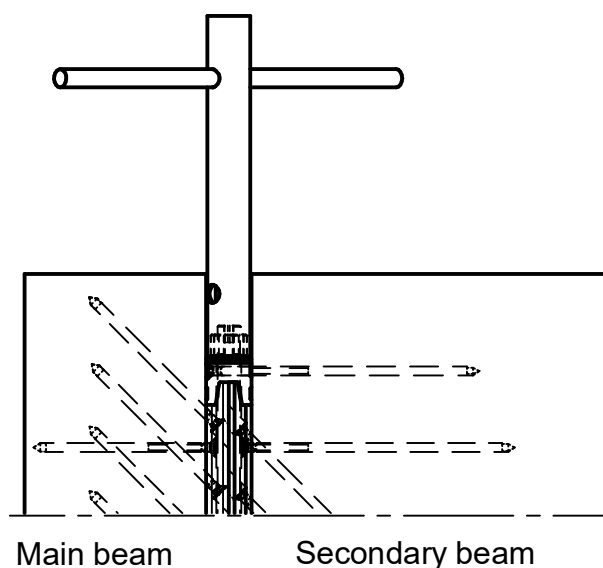
3. Install clamping jaw, washer and M 20 nut



Main beam

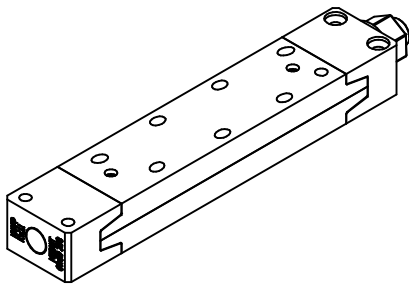
Secondary beam

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



Main beam

Secondary beam

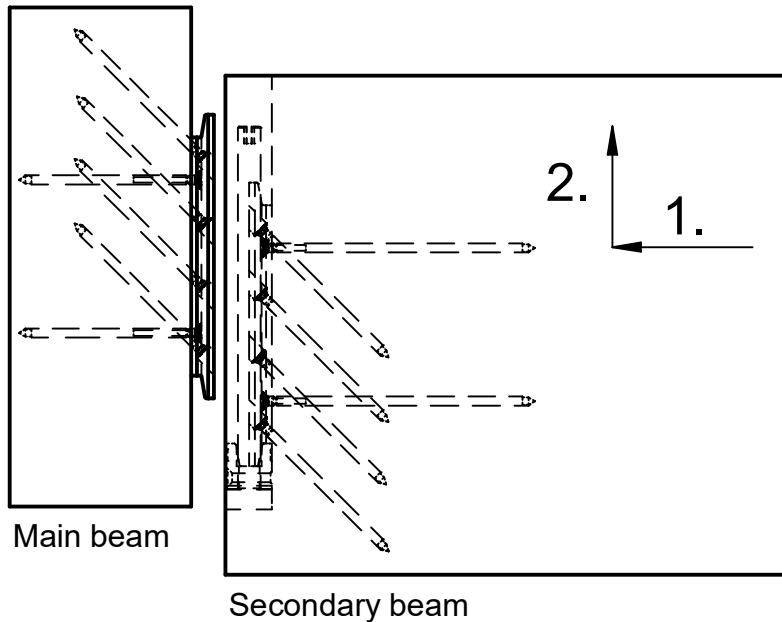


MEGANT® 60x40

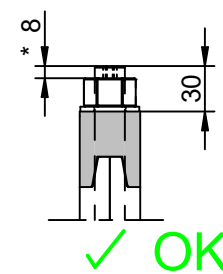
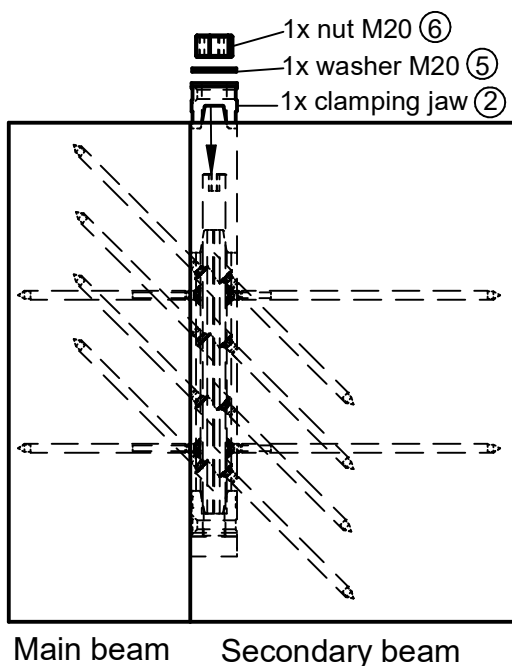
Process of concealed assembly

1. Install the secondary beam from below

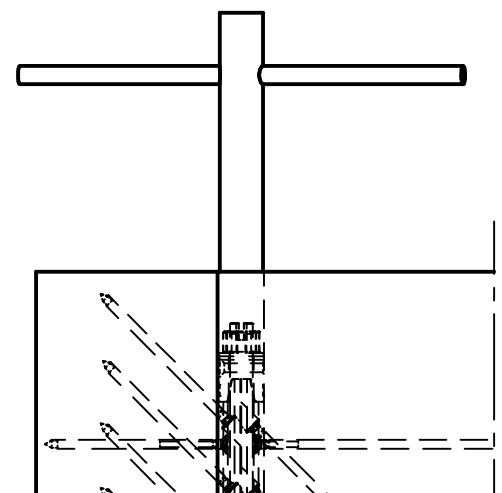
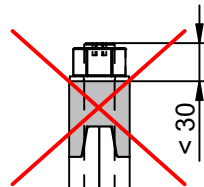
ALU AW 6082



2. Put on the clamping jaw, washer and M20 nut and tighten with a socket wrench (SW30) to 40 Nm!

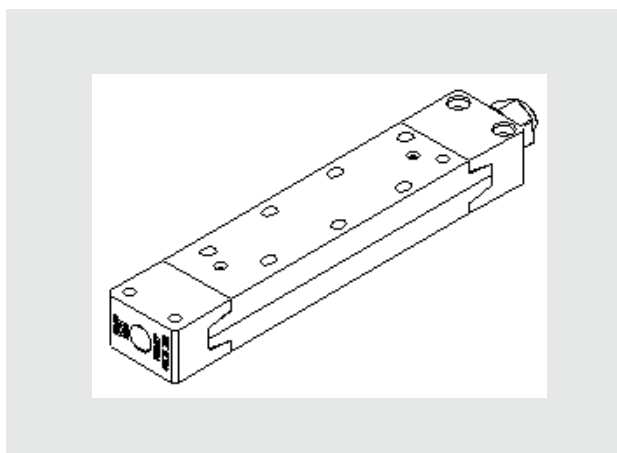


* ... ISK depth

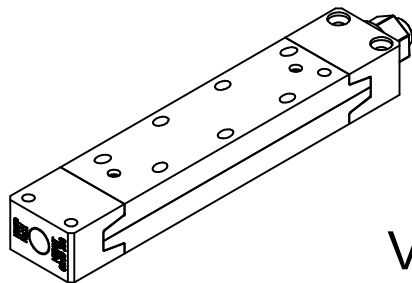




Knapp GmbH ■ Wassergasse 31 ■ A-3324 Euratsfeld ■ Tel.: +43 (0)7474 / 799 10 ■ Fax: +43 (0)7474 / 799 10 99
Knapp GmbH ■ Vertrieb Deutschland ■ Föhrenweg 1 ■ D-85591 Vaterstetten ■ Tel.: +49 (0)8106 / 99 55 99 0 ■ Fax: +49 (0)8106 / 99 55 99 20 ■ E-Mail: info@knapp-verbinder.com
Knapp GmbH Sàrl ■ Filiale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



Réf.

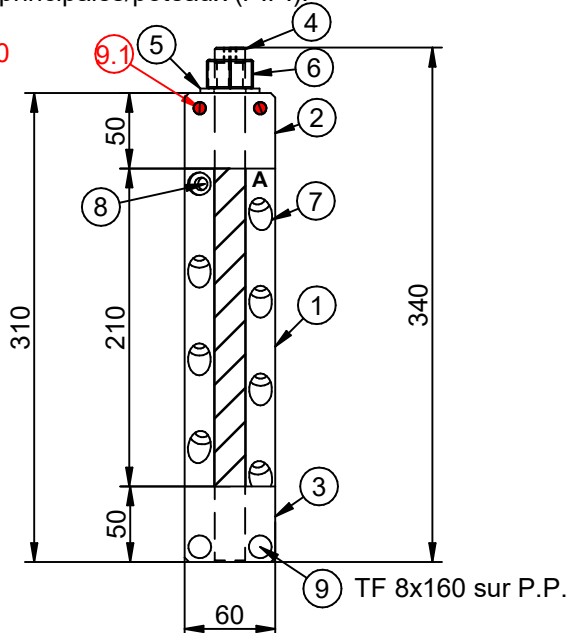


MEGANT® 60

Vue d'ensemble des dimensions standards

Poutres principales/poteaux (P.P.):

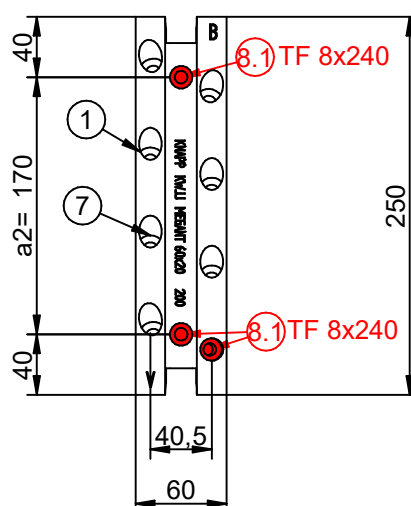
TF 8x240
sur P.S.



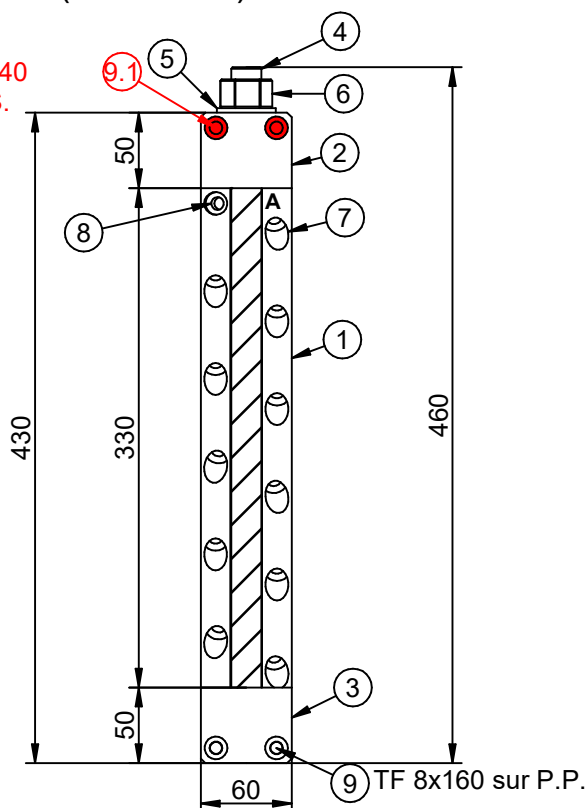
MEGANT® 310x60x40
(Réf. K242)

Poutres secondaires (P.S.):

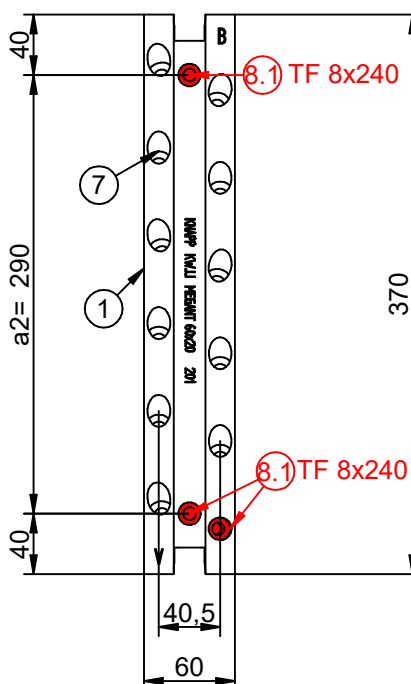
ALU AW 6082

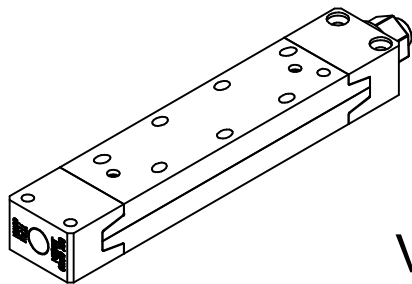


TF 8x240
sur P.S.



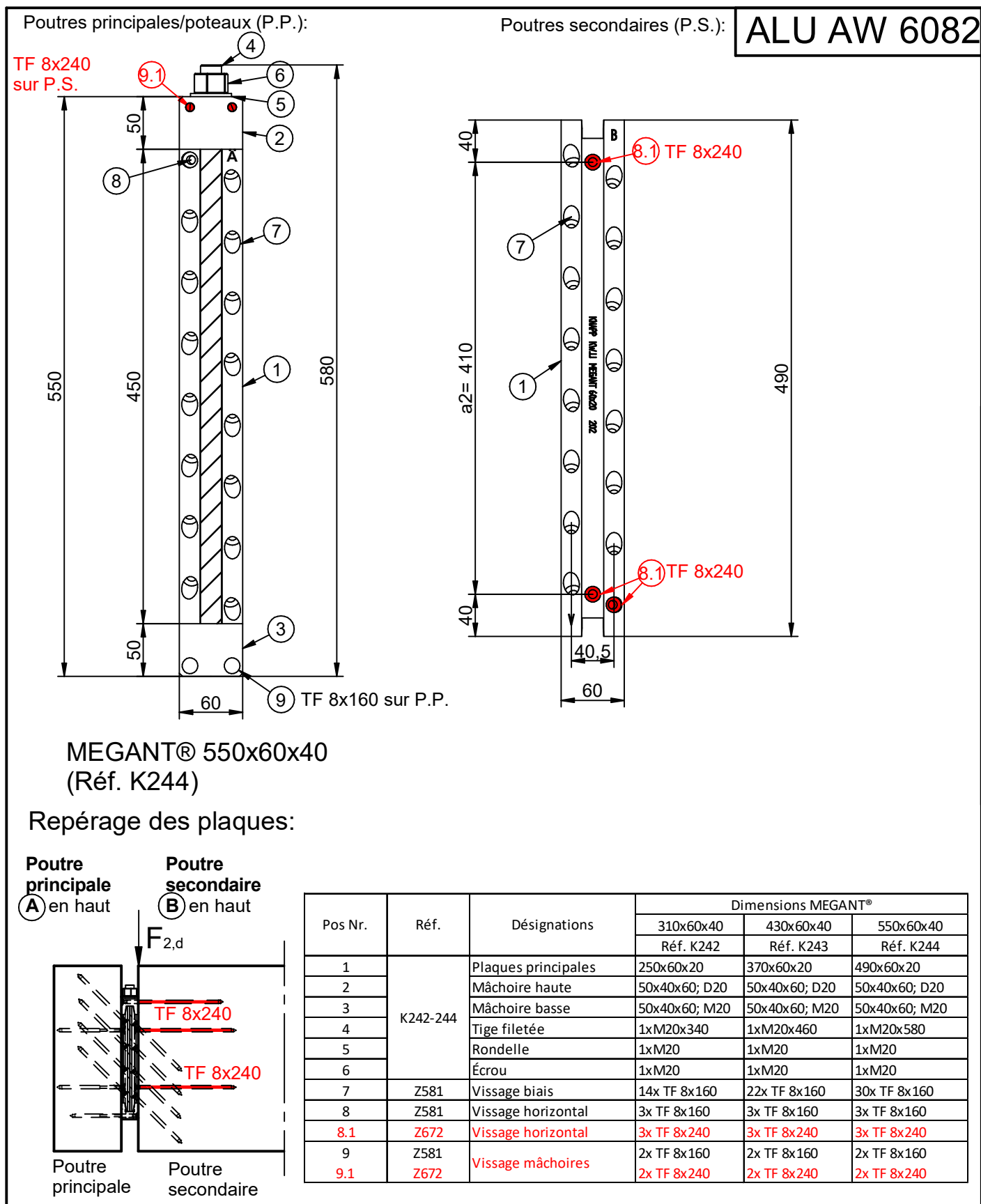
MEGANT® 430x60x40
(Réf. K243)

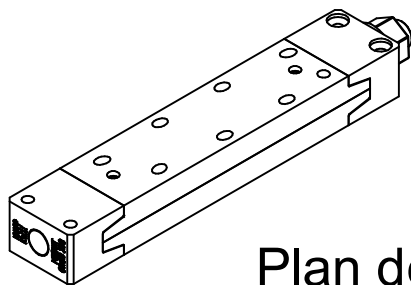




MEGANT® 60

Vue d'ensemble des dimensions standards



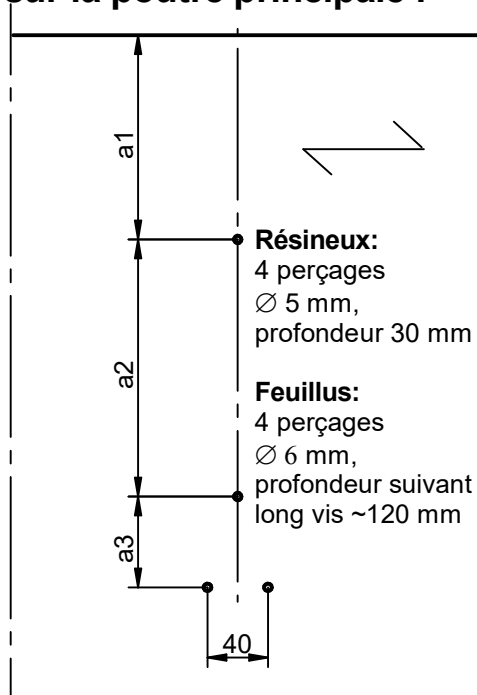


MEGANT® 60

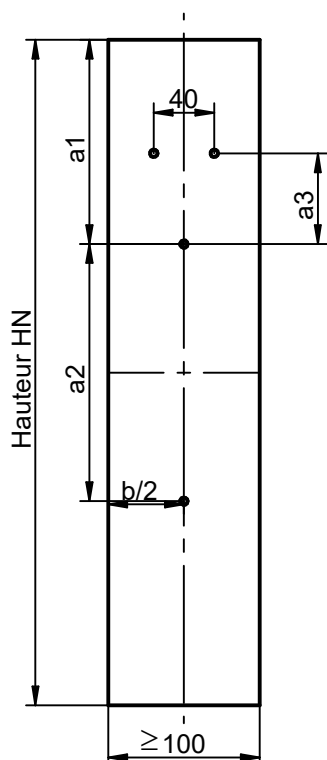
Plan de perçage pour montage centré et visible

Réaliser les perçages de positionnement sur la poutre principale !

ALU AW 6082



Réaliser les perçages de positionnement sur la poutre secondaire !



Résineux:
4 perçages
Ø 5 mm,
profondeur 30 mm

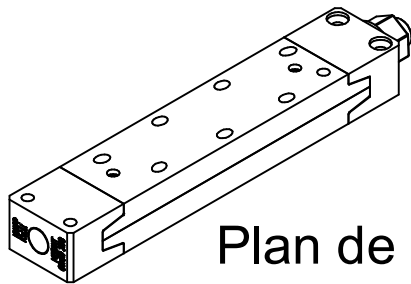
Feuillus:
4 perçages
Ø 6 mm,
profondeur suivant
long vis ~120 mm

Platines de pointage pour la réalisation des perçages horizontaux, disponibles sur demande pour chaque dimension MEGANT®.

Dimensions de perçages pour montage centré et visible sur poutre principale

Poutre secondaire	Distances de perçage a1 en relation avec la hauteur de poutre secondaire H_N [mm]		
Hauteur	MEGANT®	MEGANT®	MEGANT®
H_N [mm]	310x60	430x60	550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

Distances	MEGANT®	MEGANT®	MEGANT®
	310x60	430x60	550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

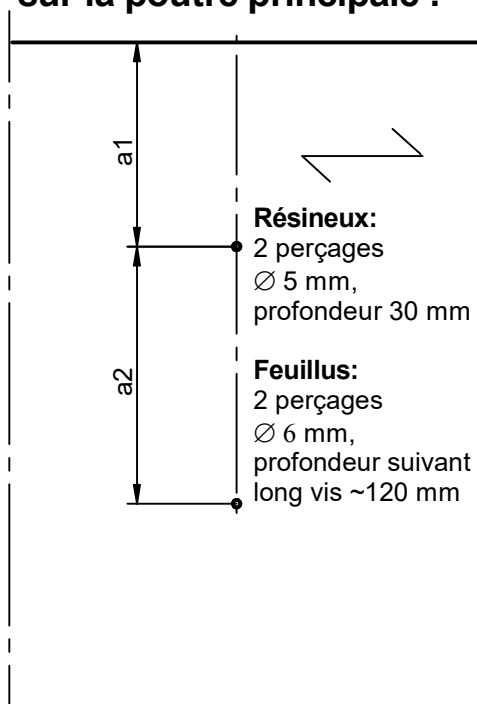


MEGANT® 60

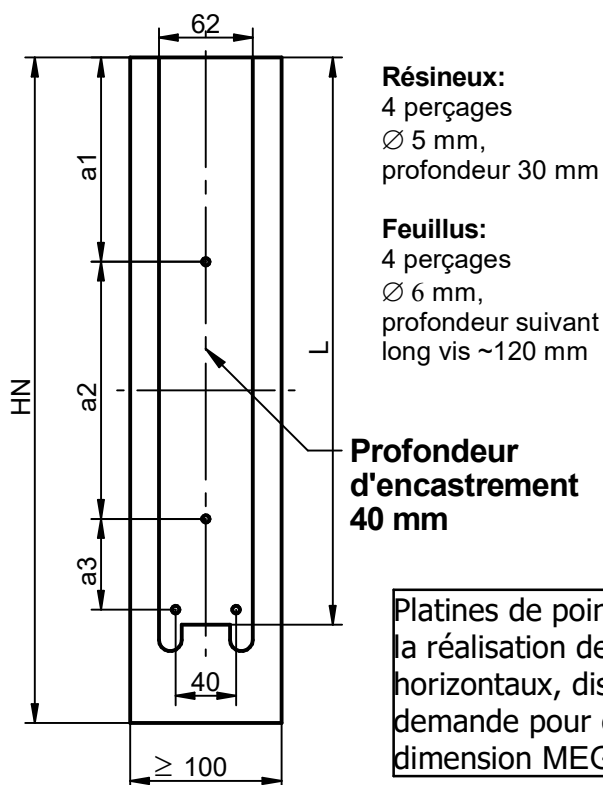
Plan de perçage pour montage centré et encastré

Réaliser les perçages de positionnement sur la poutre principale !

ALU AW 6082



Réaliser les perçages de positionnement sur la poutre secondaire !

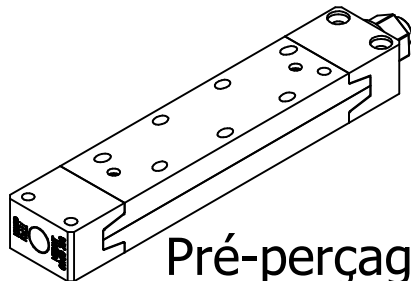


Platines de pointage pour la réalisation des perçages horizontaux, disponibles sur demande pour chaque dimension MEGANT®.

Dimensions de perçages pour montage centré et invisible			
Poutre secondaire	Distances de perçage a1 en relation avec la hauteur de poutre secondaire H _N [mm]		
Hauteur H _N [mm]	MEGANT® 310x60	MEGANT® 430x60	MEGANT® 550x60
400	115		
440	135		
480	155		
520	175	115	
560	195	135	
600	215	155	
640		175	115
680		195	135
700		205	145
720		215	155
760		235	175
800		255	195
840			215
880			235
920			255
960			275
1000			295

Poutre secondaire	Longueurs de fraisage L en relation avec la hauteur de poutre secondaire H _N [mm]		
Hauteur H _N [mm]	MEGANT® 310x60	MEGANT® 430x60	MEGANT® 550x60
400	355		
440	375		
480	395		
520	415	475	
560	435	495	
600	455	515	
640		535	595
680		555	615
700		565	625
720		575	635
760		595	655
800		615	675
840			695
880			715
920			735
960			755
1000			775

Distances	MEGANT® 310x60	MEGANT® 430x60	MEGANT® 550x60
a2 [mm]	170	290	410
a3 [mm]	60	60	60

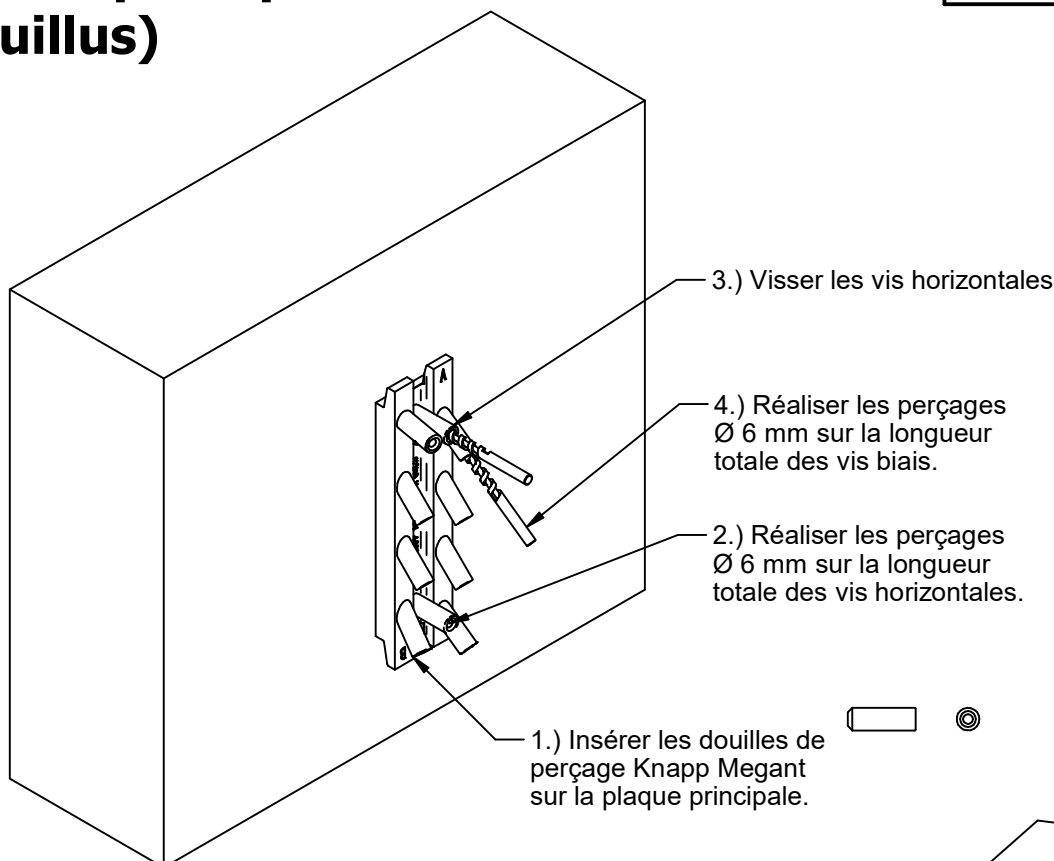


MEGANT® 60

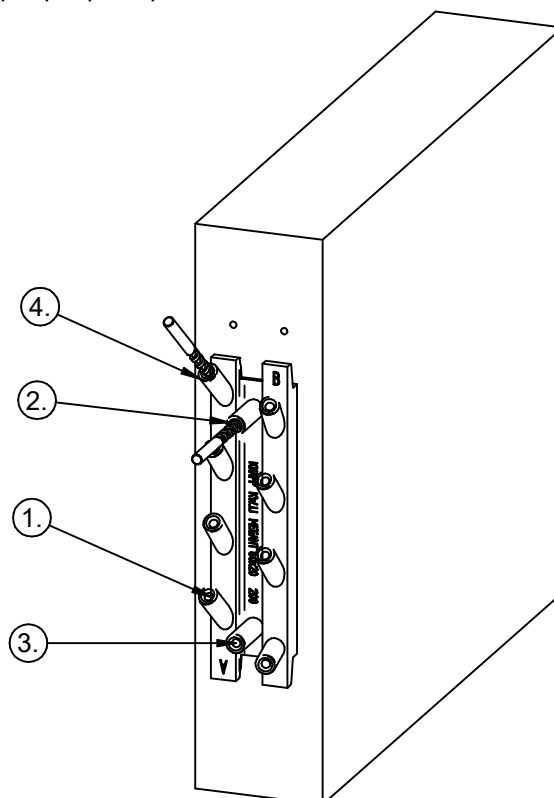
Pré-perçage Megant pour mise en oeuvre sur **feuillus**

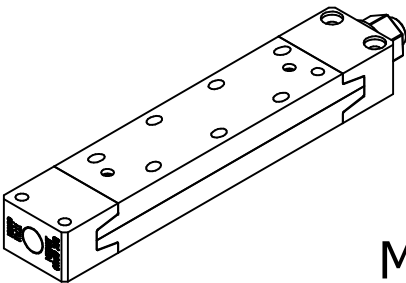
Poutre principale (feuillus)

ALU AW 6082



Poutre secondaire (feuillus)



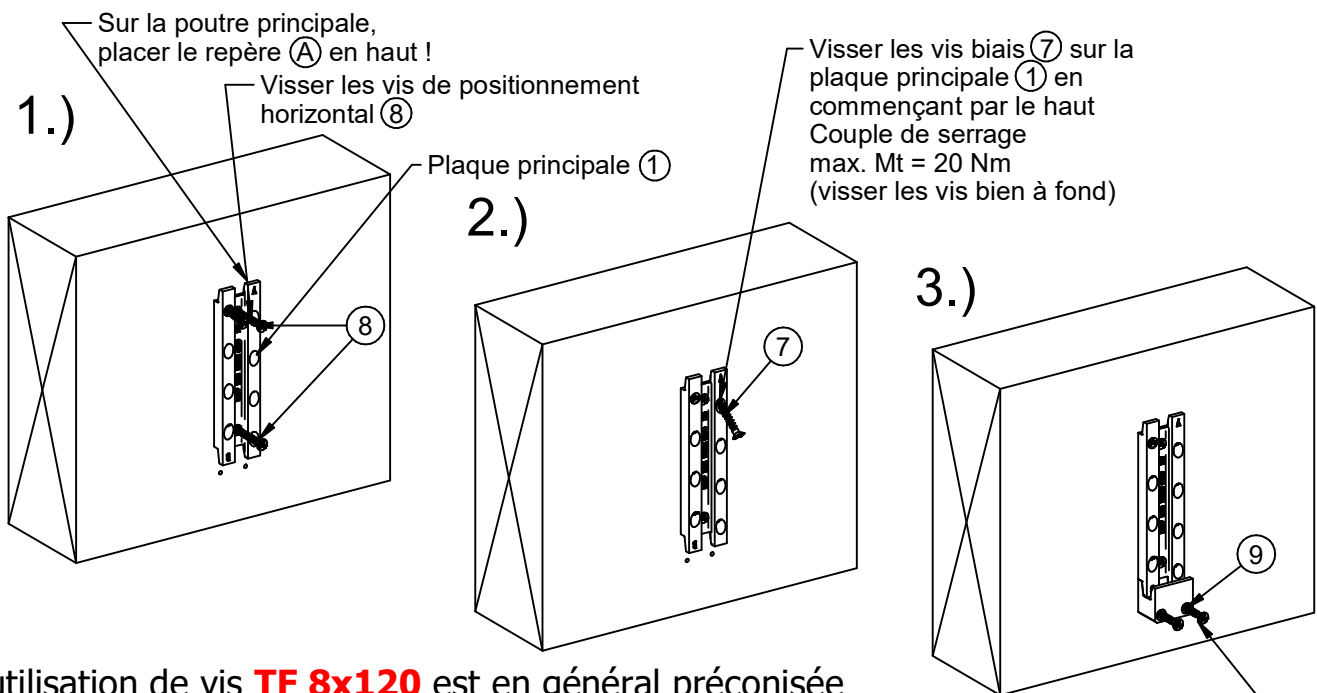


MEGANT® 60

Mise en oeuvre Megant **visible**, sur P.P./P.S.

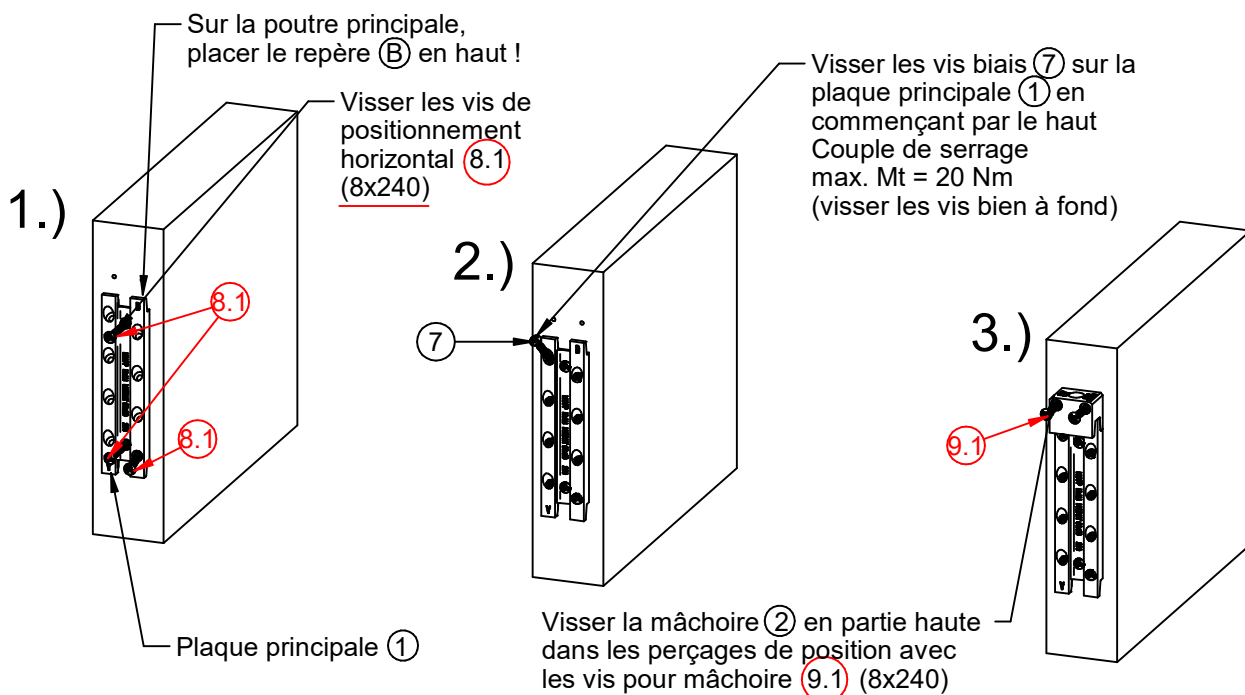
ALU AW 6082

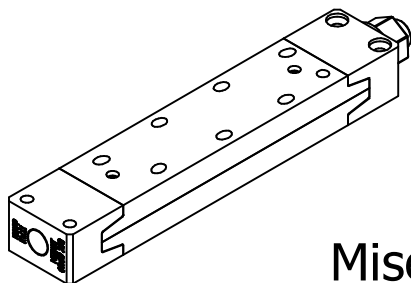
Poutre principale (P.P.)



L'utilisation de vis **TF 8x120** est en général préconisée lors d'une mise en œuvre sur des essences de **feuillus**.

Poutre secondaire (P.S.)



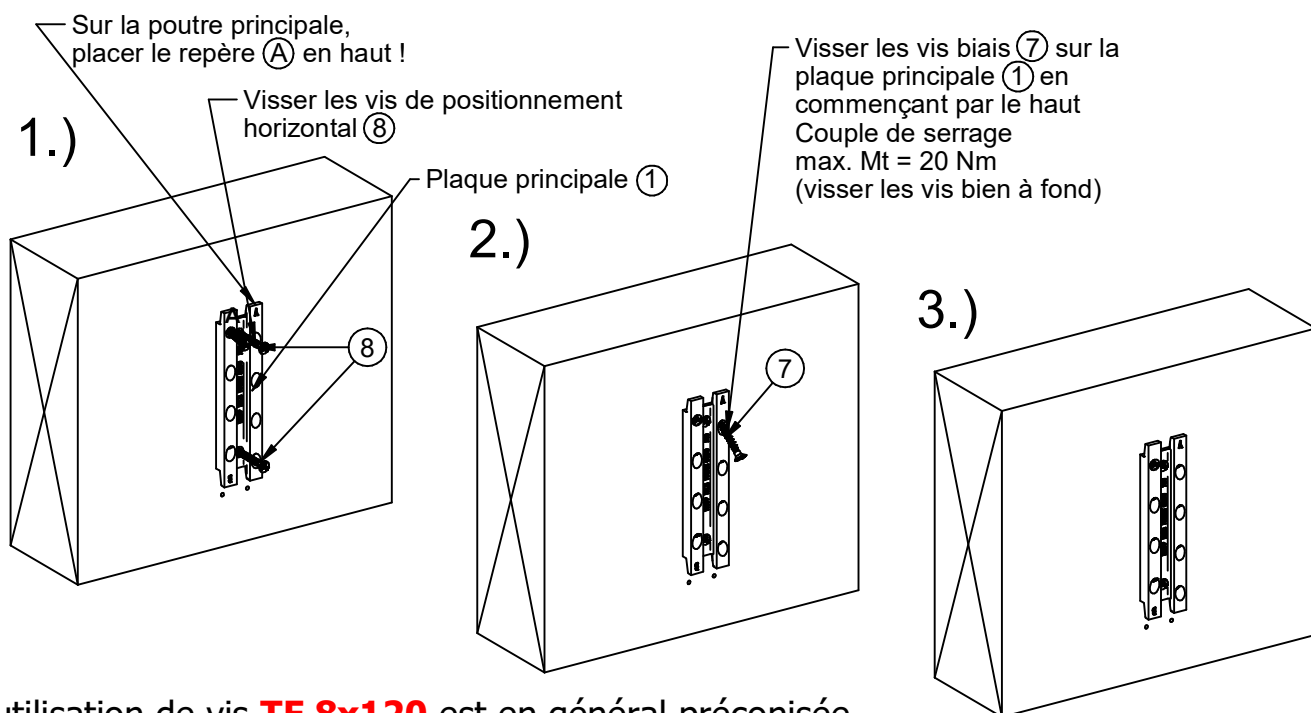


MEGANT® 60

Mise en oeuvre Megant **encastré**, sur P.P./P.S.

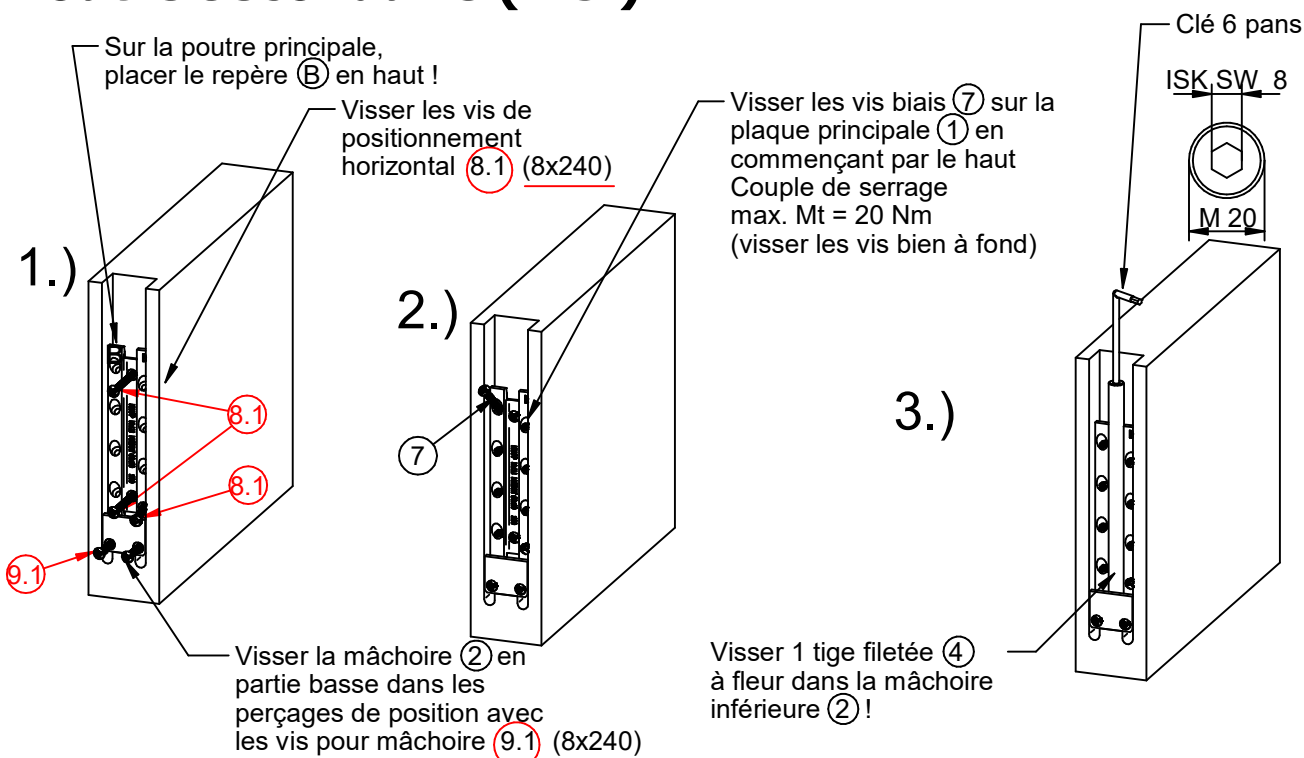
ALU AW 6082

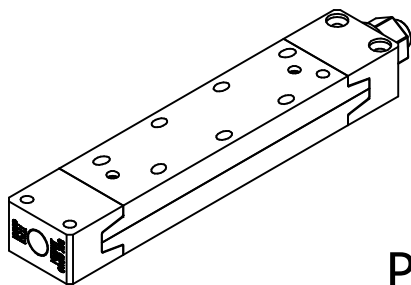
Poutre principale (P.P.)



L'utilisation de vis **TF 8x120** est en général préconisée lors d'une mise en œuvre sur des essences de **feuillus**.

Poutre secondaire (P.S.)



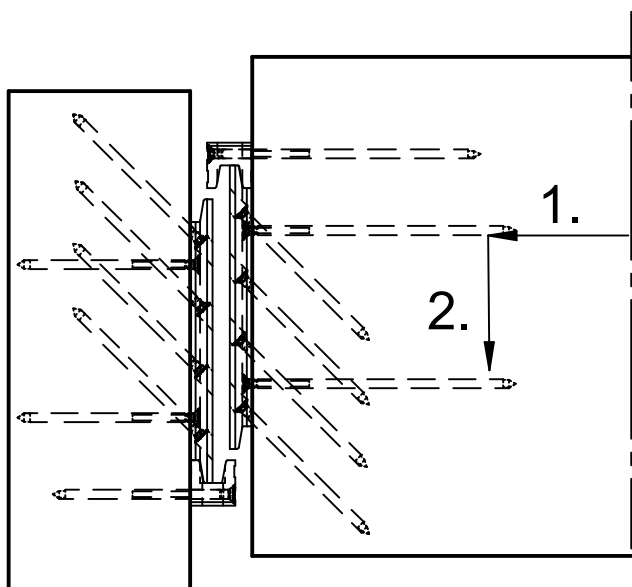


MEGANT® 60

Procédure de montage connecteurs **visibles**

ALU AW 6082

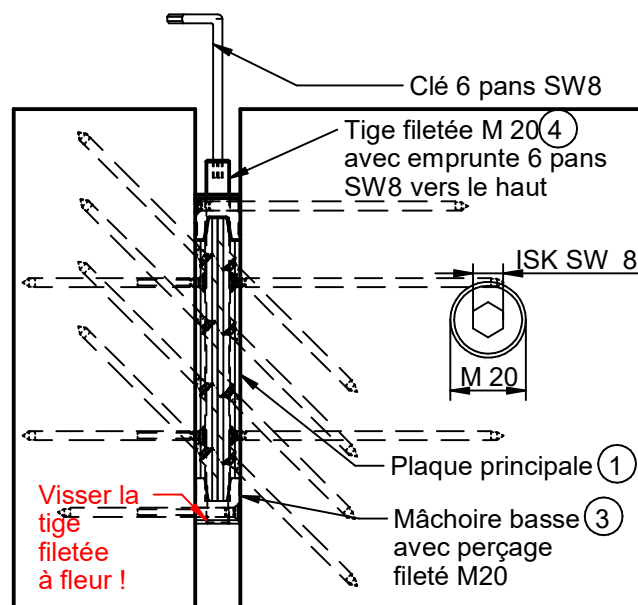
1. Accroche de la poutre secondaire



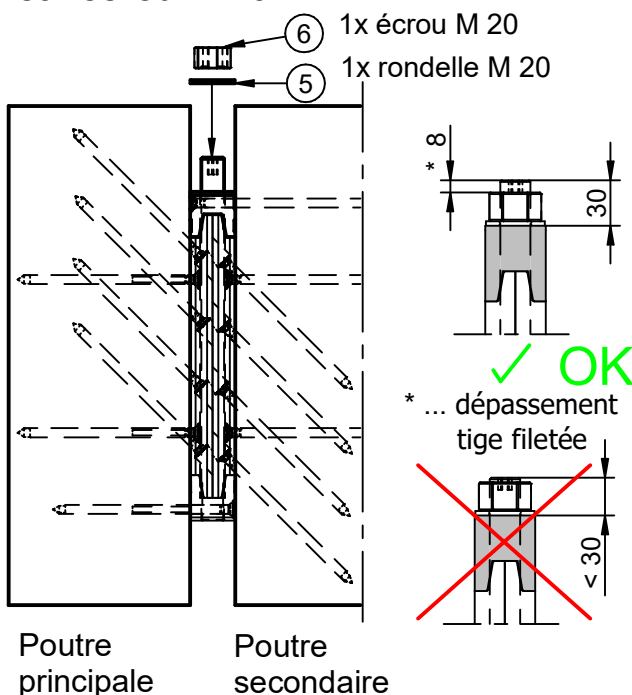
Poutre principale

Poutre secondaire

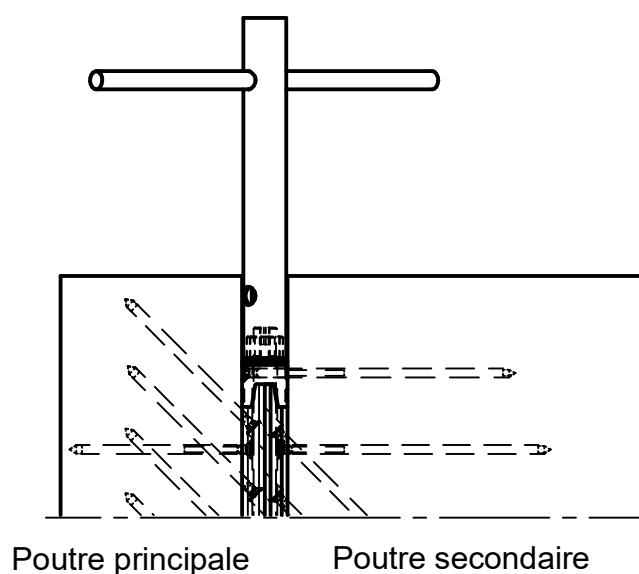
2. Visser la tige filetée ④ (M20) à fleur dans la mâchoire inférieure ③

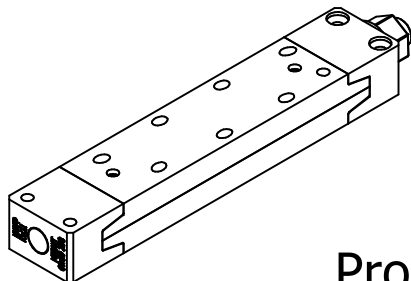


3. Mettre en place la mâchoire supérieure, la rondelle et l'écrou M 20



4. Serrer l'écrou M 20 avec une clé à douille (SW 30) 40 Nm !



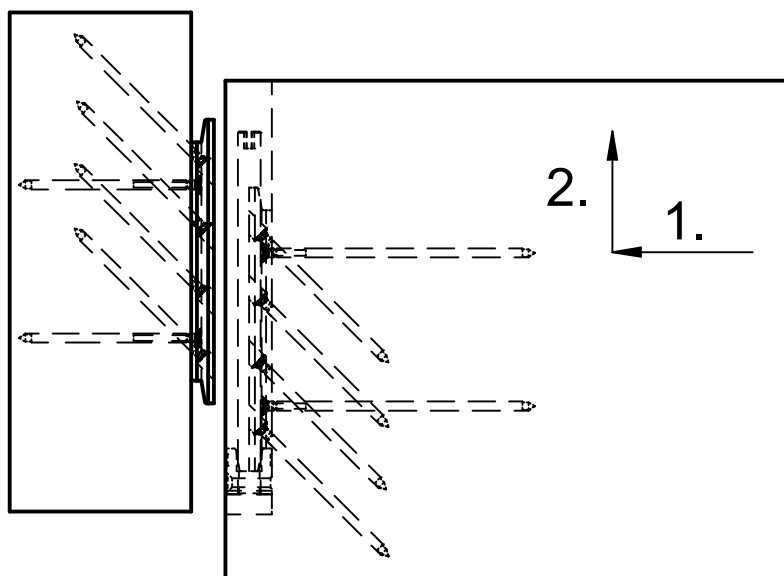


MEGANT® 60x40

Procédure de montage connecteurs invisibles

1. Emboîter la poutre secondaire de bas en haut

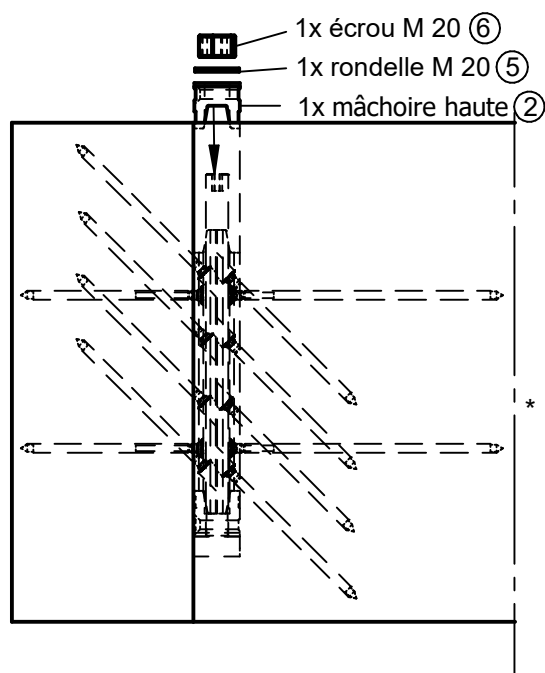
ALU AW 6082



Poutre principale

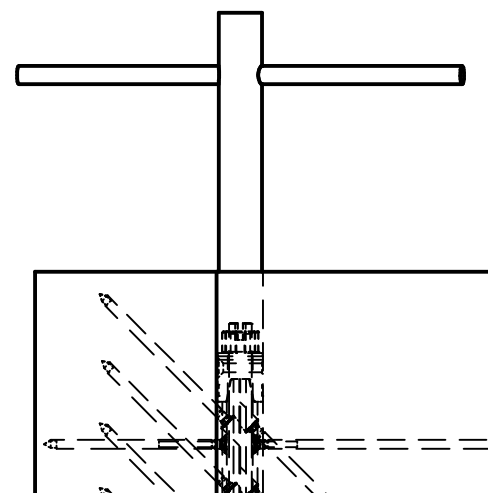
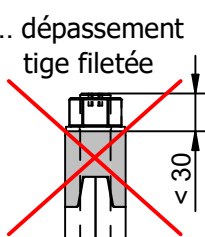
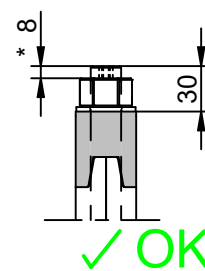
Poutre secondaire

2. Mettre en place la mâchoire supérieure, la rondelle et l'écrou M20 et serrer avec une clé à douille (SW 30) 40 Nm



Poutre principale

Poutre secondaire





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