

# Mounting instructions

# MEGANT® 60

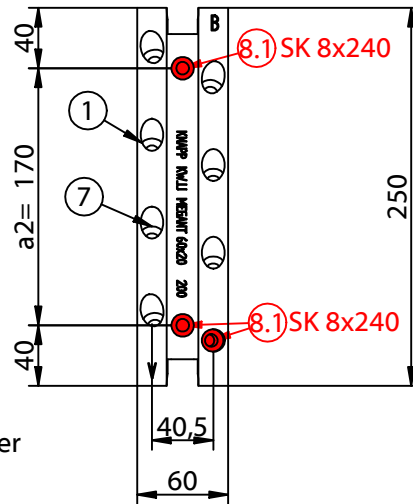
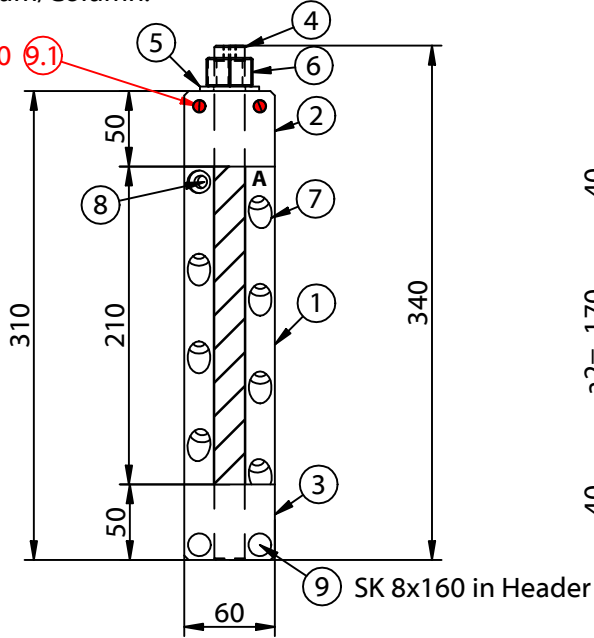
## Regular sizes overview

Main beam/Column:

Secondary beam/joist:

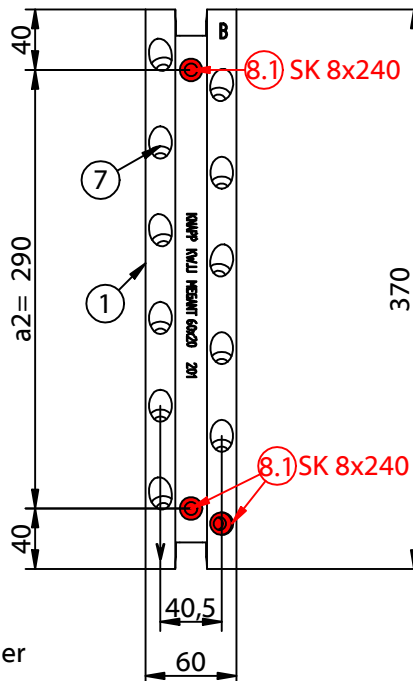
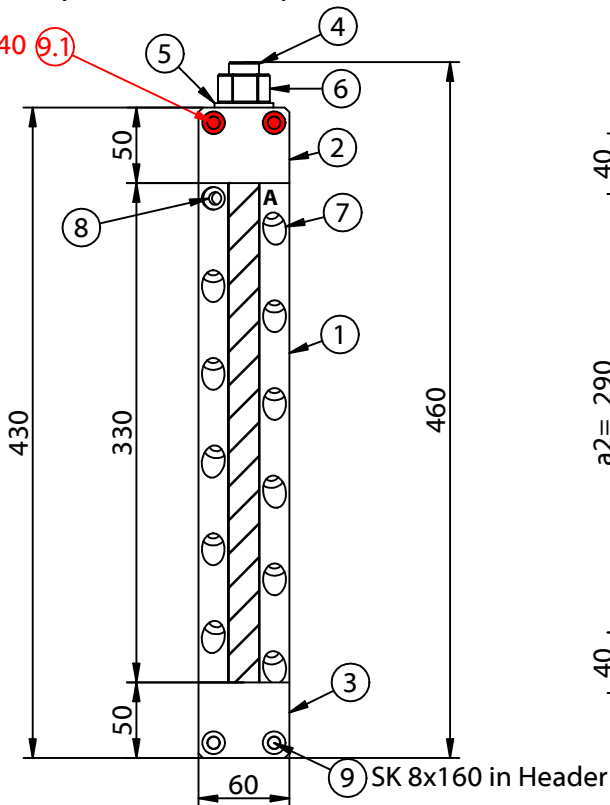
ALU AW 6082

SK 8x240 (9.1)  
in joist



MEGANT® 310x60x40  
(Art.No. K242)

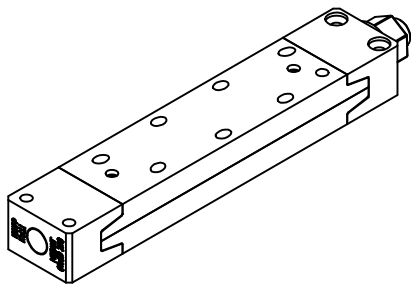
SK 8x240 (9.1)  
in joist



MEGANT® 430x60x40  
(Art.No. K243)

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# Mounting instructions

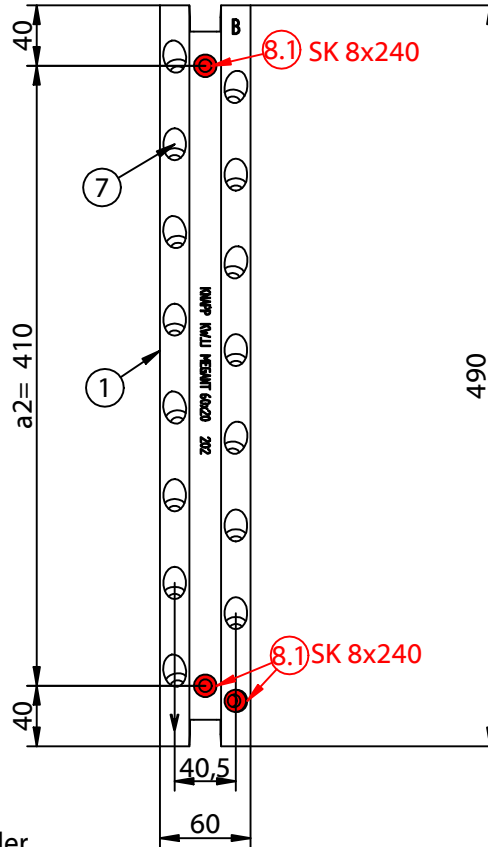
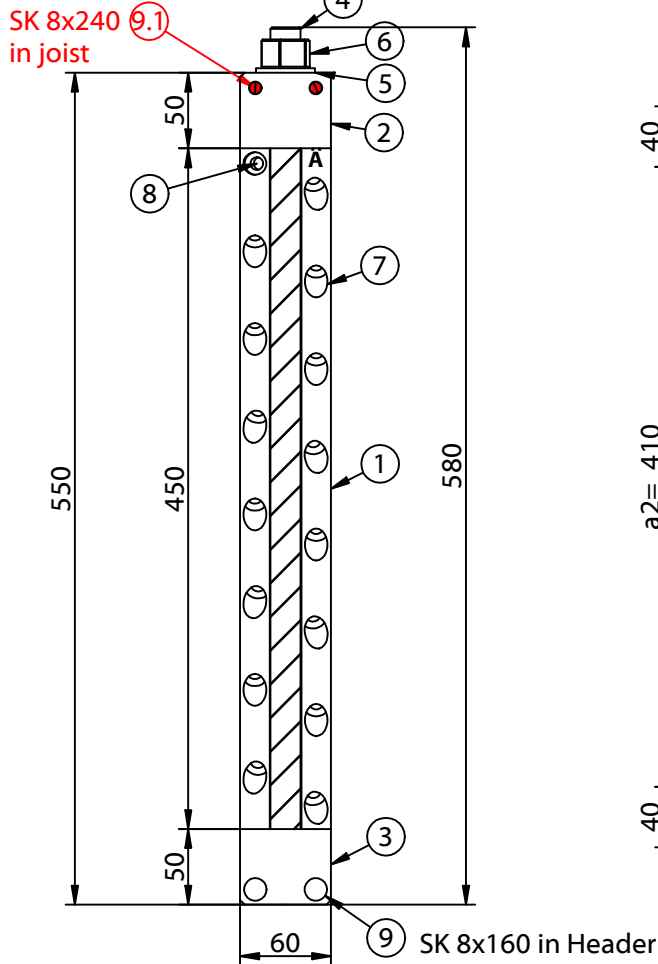
# MEGANT® 60

## Regular size overview

Main beam/Column:

Secondary beam/joist:

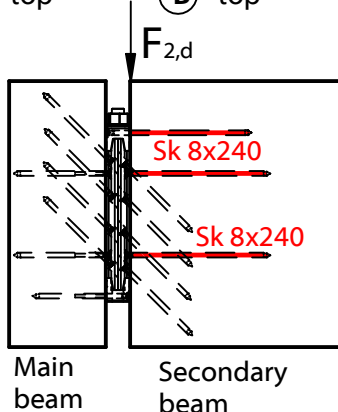
ALU AW 6082



MEGANT® 550x60x40  
(Art.No. K244)

### Connector plate specs

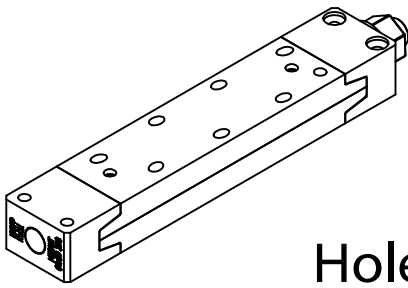
Main beam (A)-top Secondary beam (B)-top



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 screws	14 x Sk 8x160	22 x Sk 8x160	30 x Sk 8x160
8	Z581	horizontal screws	3 x Sk 8x160	3 x Sk 8x160	3 x Sk 8x160
8.1	Z672	horizontal screws	3 x Sk 8x240	3 x Sk 8x240	3 x Sk 8x240
9	Z581	screws clamping jaw	2 x Sk 8x160	2 x Sk 8x160	2 x Sk 8x160
9.1	Z672		2 x Sk 8x240	2 x Sk 8x240	2 x Sk 8x240

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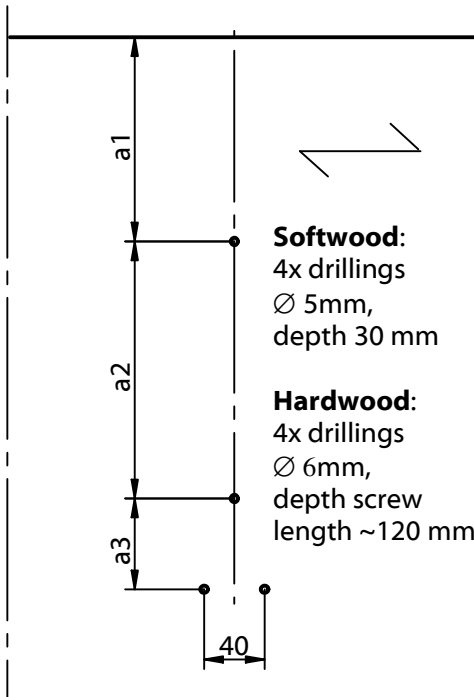


# Mounting instructions MEGANT® 60

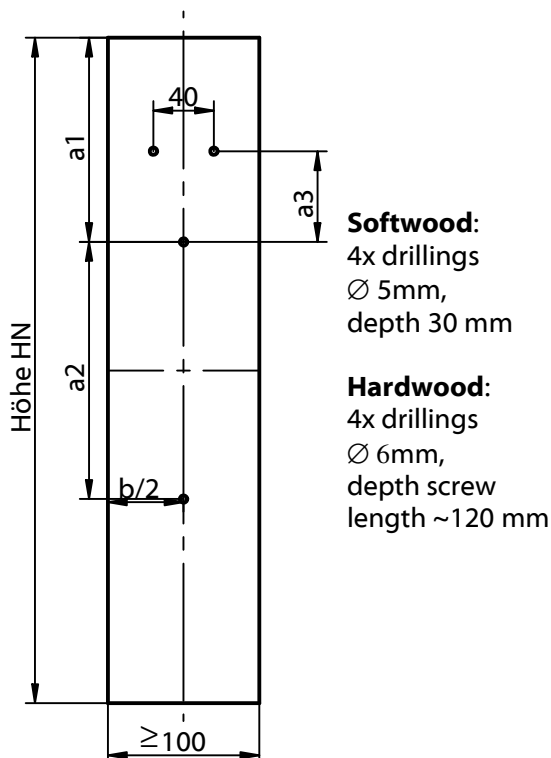
## Hole pattern for visible central installation

**ALU AW 6082**

### Pre-drill layout in main beam !



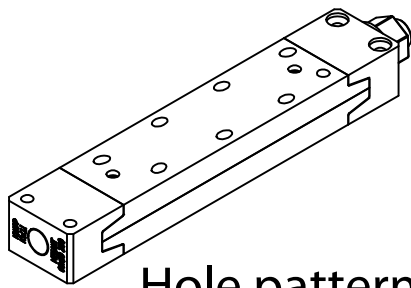
### Drilling positions for centered mounting in secondary beam !



Pre-drilling visible installation of connector			
Secondary beam	Pre-drill spacings a1 with respect to secondary beam member height HN (mm)		
Height	MEGANT®	MEGANT®	MEGANT®
H <sub>N</sub> [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 for horizontal drilling are available in different sizes upon request.

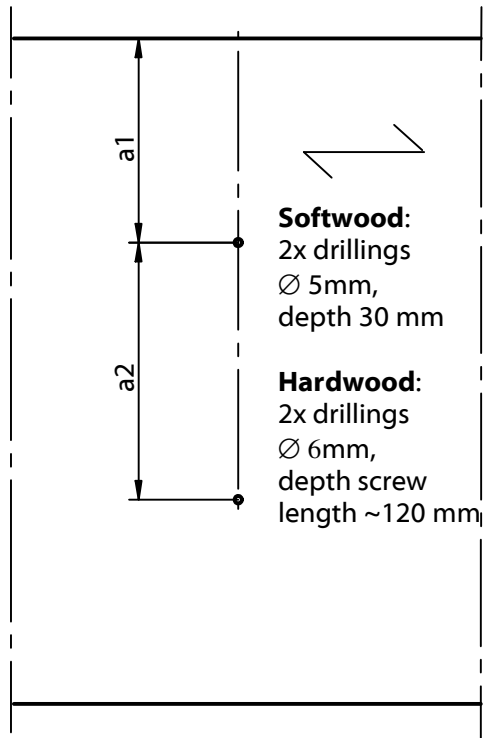


# Mounting instructions MEGANT® 60

## Hole pattern for concealed central installation in header

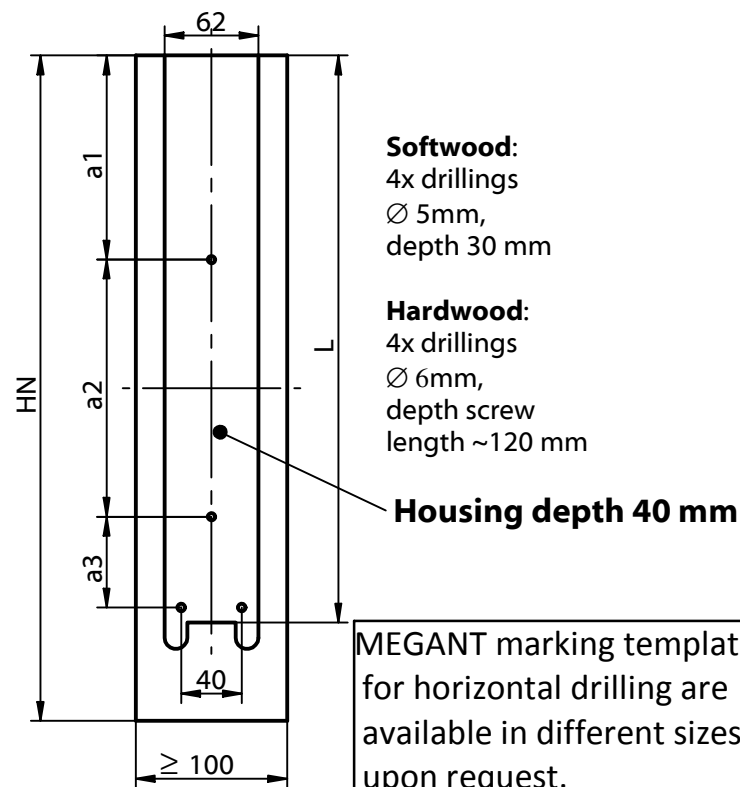
ALU AW 6082

### Pre-drill layout in main beam !



Pre-drilling concealed installation of connector			
Secondary beam	Pre-drill spacings a1 with respect to secondary beam member height H <sub>N</sub> (mm)		
Height	MEGANT®	MEGANT®	MEGANT®
H <sub>N</sub> [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

### Pre-drill layout in secondary beam !

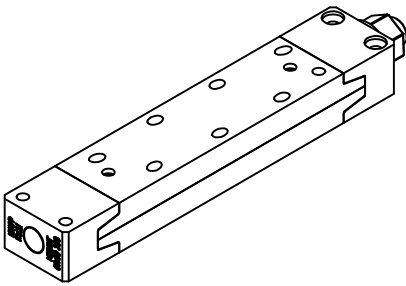


Secondary beam	Housing length L with respect to secondary beam member height H <sub>N</sub> (mm)		
Height	MEGANT®	MEGANT®	MEGANT®
H <sub>N</sub> [mm]	310x60	430x60	550x60
400	355		
440	375		
480	395		
520	415	475	
560	435	495	
600	455	515	
640		535	595
680		555	615
700		565	625
720		575	635
760		595	655
800		615	675
840			695
880			715
920			735
960			755
1000			775

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

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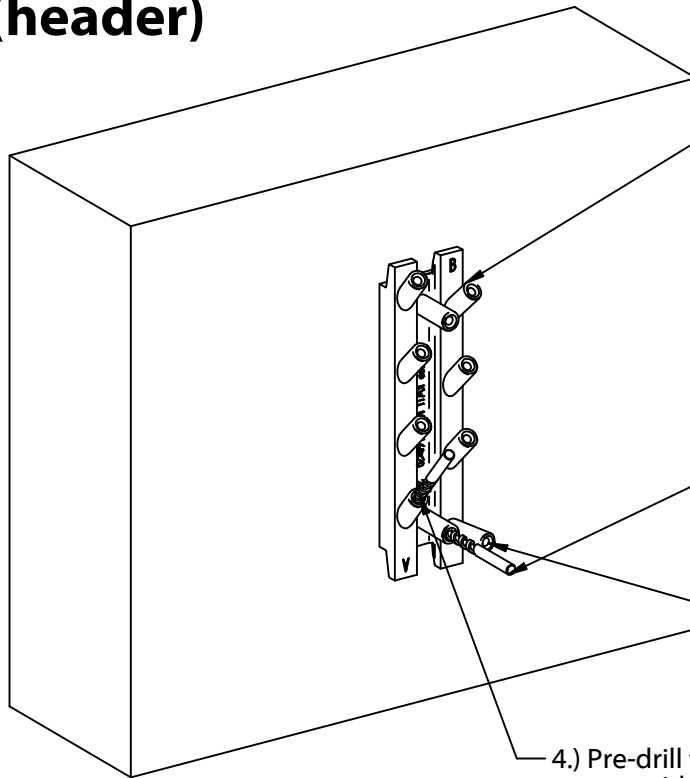
Mounting instructions

# MEGANT® 60

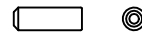
Pre-drill Megant in **Hardwood**

ALU AW 6082

## Hardwood main beam: (header)



1.) Plug in Megant-KNAPP-drill-bushing into connector plate !

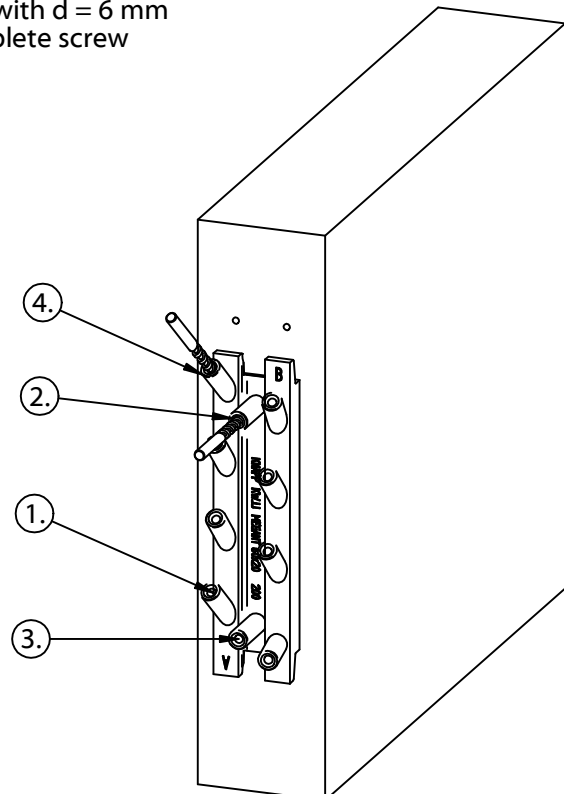


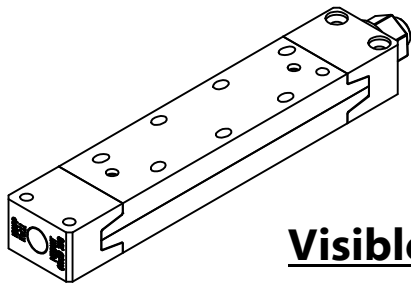
2.) Pre-drill horizontal screws with  $d = 6$  mm to complete screw length

3.) Fix the template in the horizontal bore holes

4.) Pre-drill the oblique screws with  $d = 6$  mm to complete screw length!

## Hardwood secondary beam: (joist)



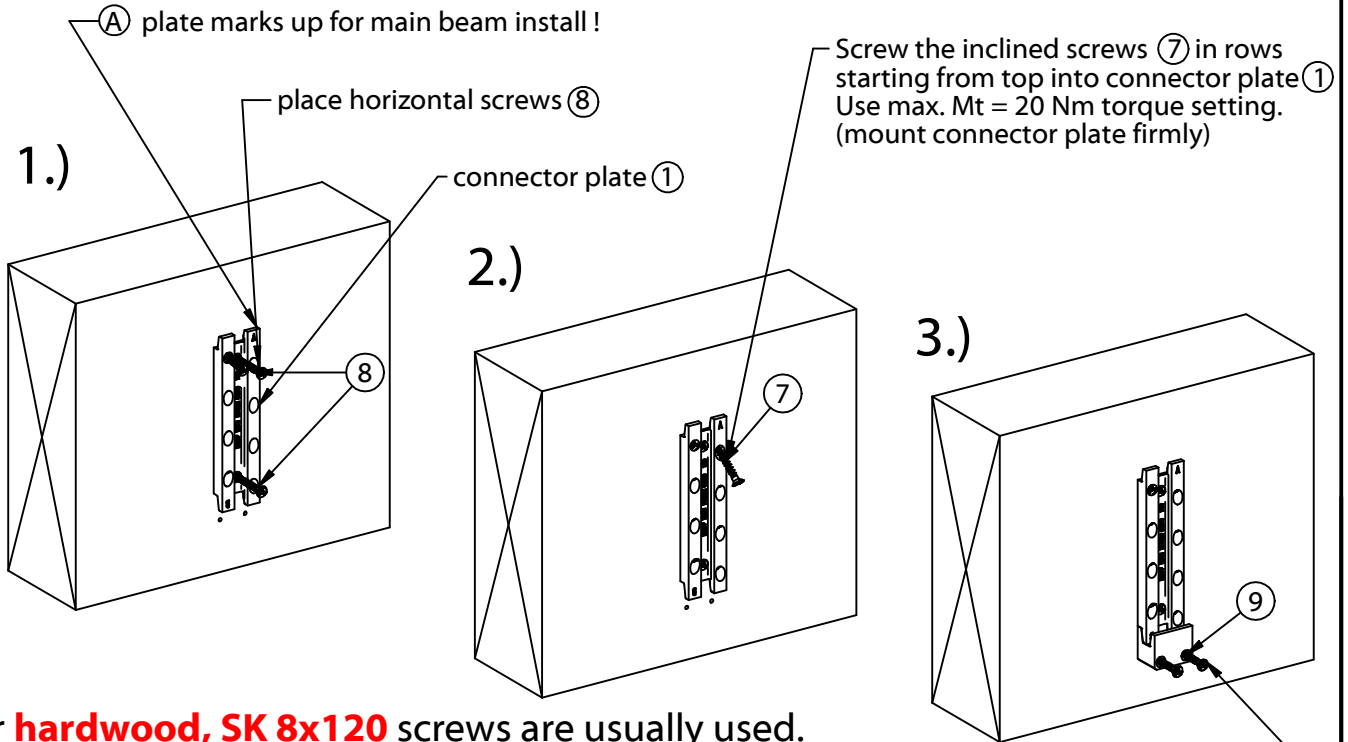


# Mounting instructions MEGANT® 60

**Visible** Megant installation in main- and secondary beam

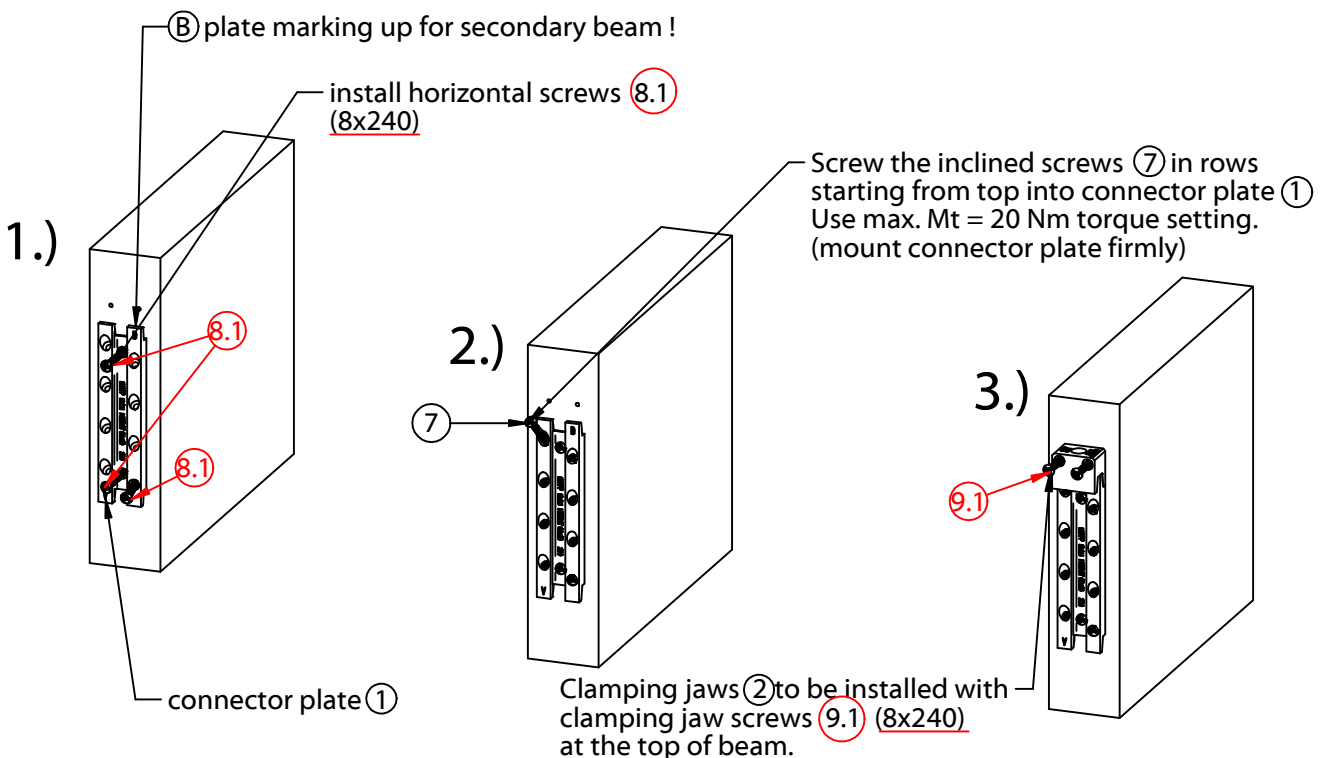
## Main beam (Header)

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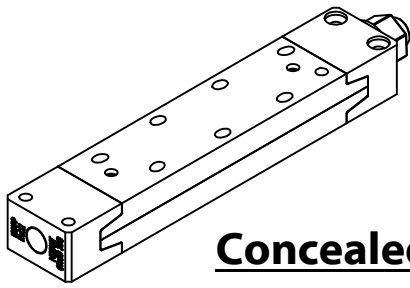
For **hardwood**, **SK 8x120** screws are usually used.  
(for main- and secondary beam)

## Secondary beam (joist)



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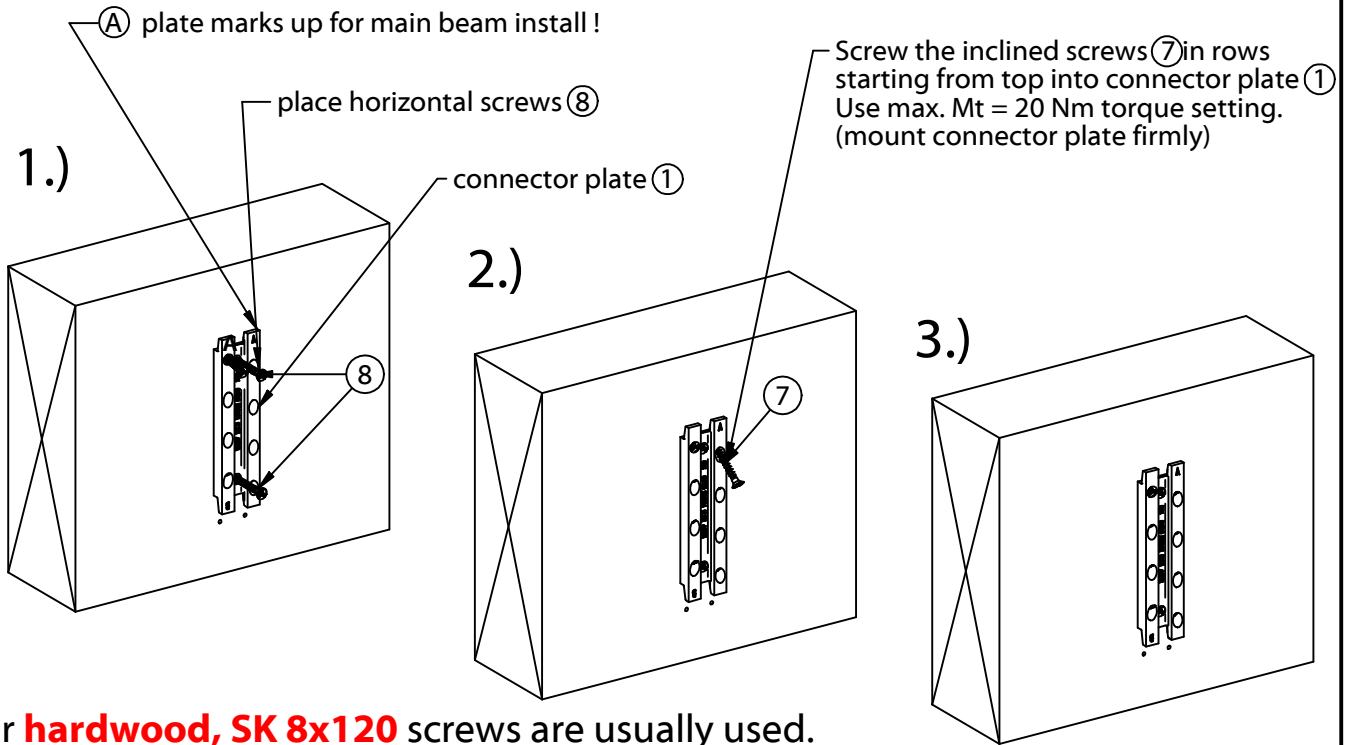


# Mounting instructions MEGANT® 60

## Concealed Megant installation in main- and secondary beam

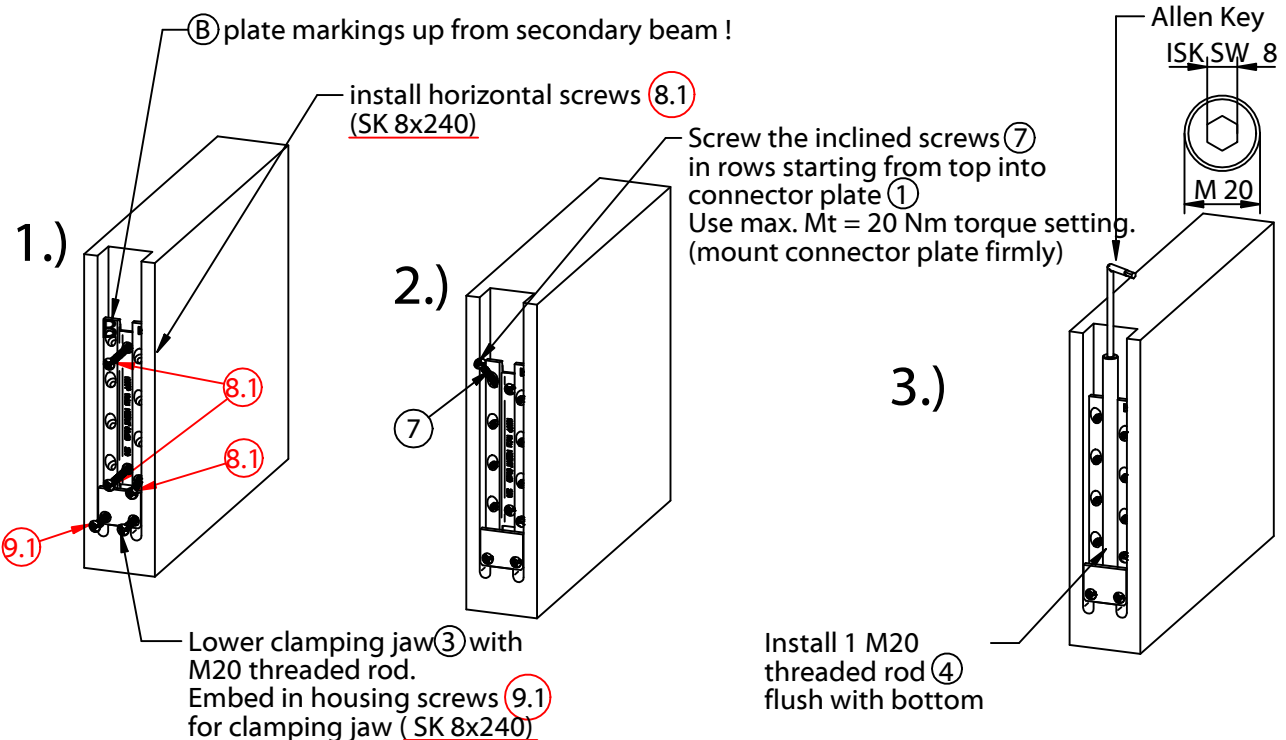
### Main beam (Header)

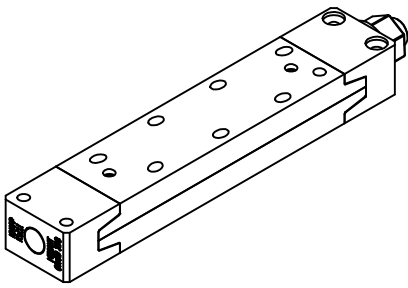
ALU AW 6082



For **hardwood**, **SK 8x120** screws are usually used.  
(for main- and secondary beam)

### Secondary beam (joist)





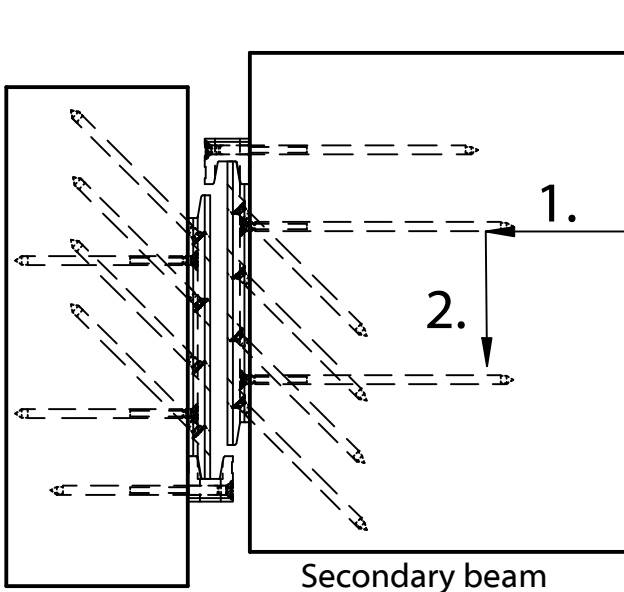
# Mounting instructions

# MEGANT® 60

## Visible installation

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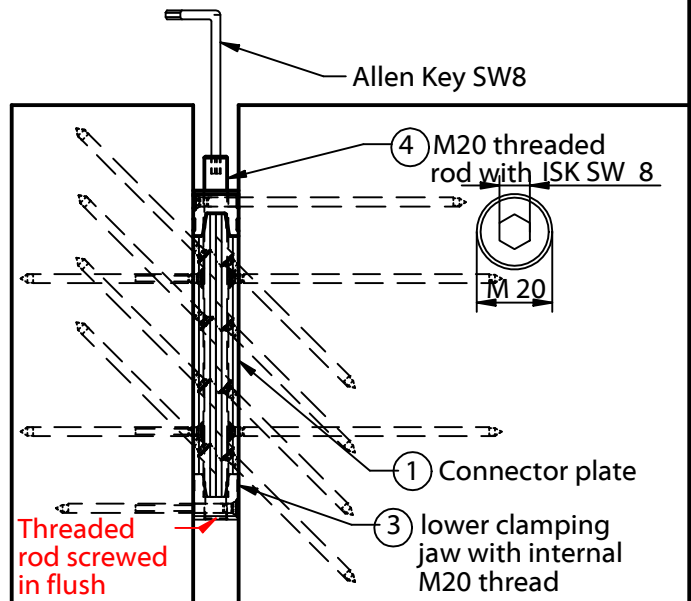
### 1. Install secondary beam



Main beam

Secondary beam

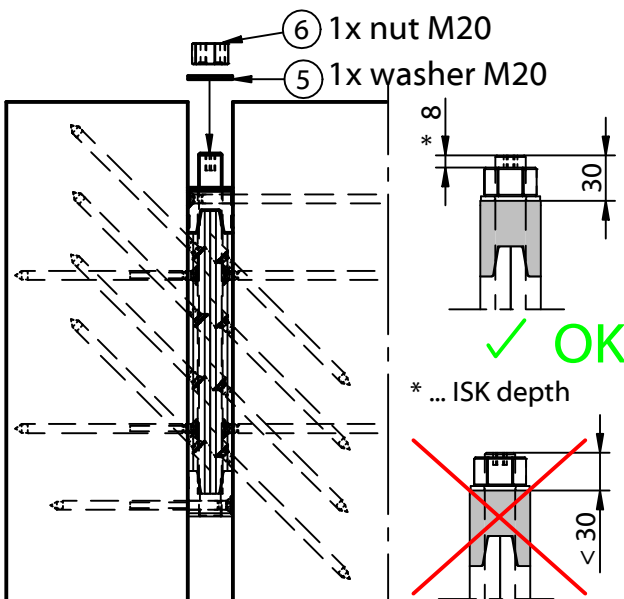
### 2. Install M20 threaded rod ④ in lower clamping jaw ③ flush



Main beam

Secondary beam

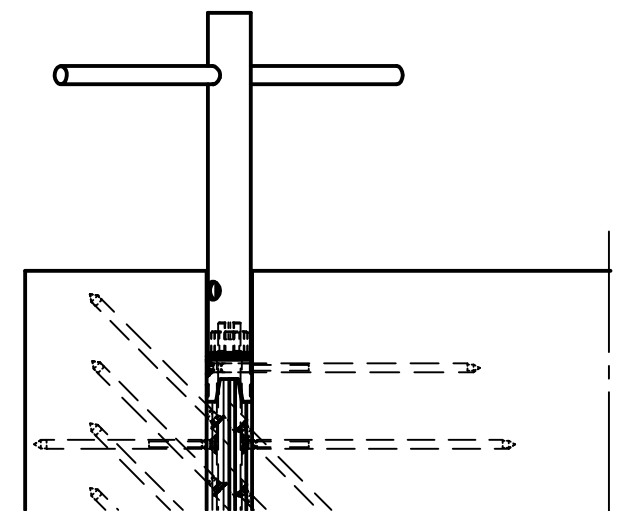
### 3. Install clamping jaw, washer and M 20 nut



Main beam

Secondary beam

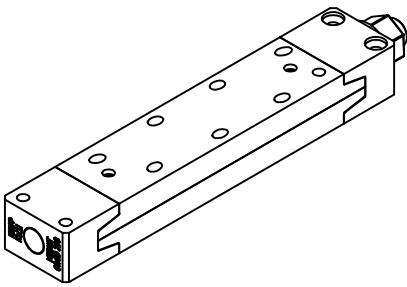
### 4. Tighten M20 nut with SW 30 wrench (40 Nm) !



Main beam

Secondary beam





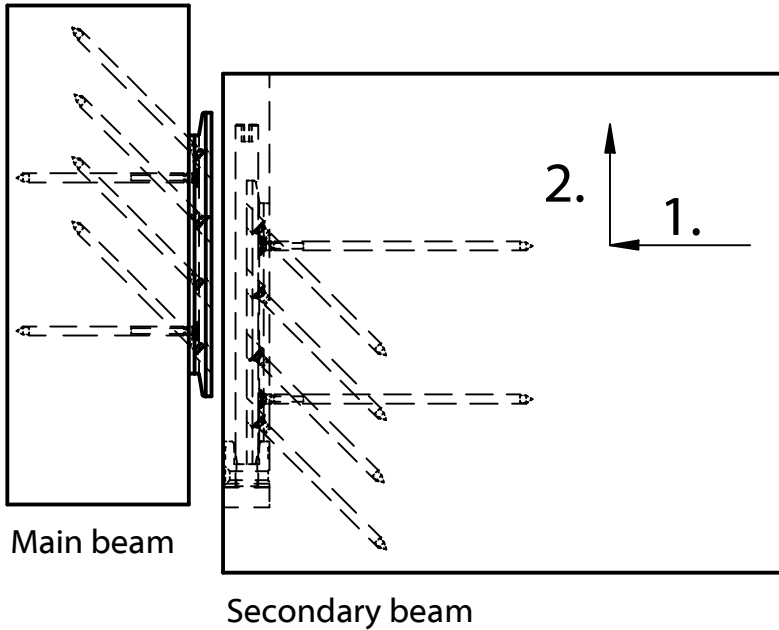
Mounting instructions

# MEGANT® 60x40

## Concealed installation

### 1. Install from below secondary beam

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### 2. Put on and tighten clamping jaw, washer and M20 nut. Tighten M20 nut with SW 30 wrench (40 Nm) !

