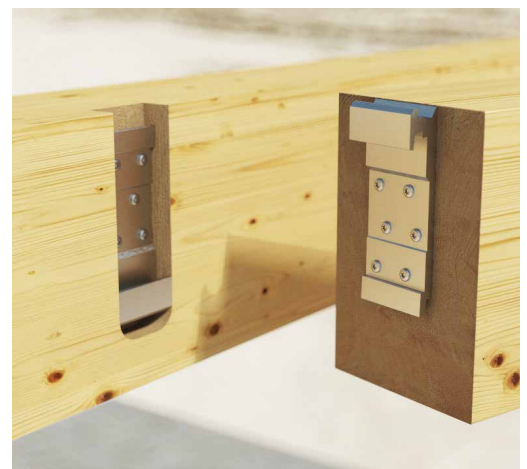


# CLIK

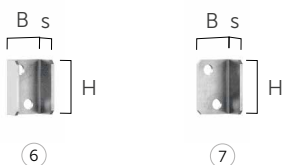
## CONCEALED HOOK TIMBER-TO-TIMBER CONNECTOR

- It can be used with small section beams for structures, gazebos and furniture. Excellent assembly tolerance, easy to disassemble
- It fastens with one type of screw: SBL for indoor applications, KGL EVO for outdoor applications in non-aggressive conditions
- It can be surface-mounted or concealed to ensure fire resistance



CODE	B x H x s [mm]	n <sub>screws</sub> - Ø [mm]	n <sub>LOCKSTOP</sub> - type	pcs <sup>(*)</sup>
<b>CLIKT1880</b> ①	17,5 x 80 x 20	4 - Ø5	1 - LOCKSTOP5U	50
<b>CLIKT3580</b> ②	35 x 80 x 20	8 - Ø5	2 - LOCKSTOP5	50
<b>CLIKT35100</b> ③	35 x 100 x 20	12 - Ø5	2 - LOCKSTOP5	50
<b>CLIKT35120</b> ④	35 x 120 x 20	16 - Ø5	4 - LOCKSTOP5	25
<b>CLIKT53120</b> ⑤	52,5 x 120 x 20	24 - Ø5	4 - LOCKSTOP5	25

(\*) number of connector pairs  
Screws and LOCK STOP not included in the package.

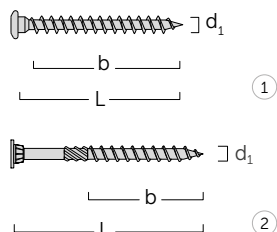


### LOCK STOP

CODE	B x H x s [mm]	pcs
<b>LOCKSTOP5U</b> ⑥	21,5 x 27,5 x 13	50
<b>LOCKSTOP5</b> ⑦	19 x 27,5 x 13	100

### FASTENERS

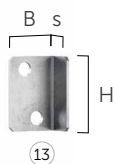
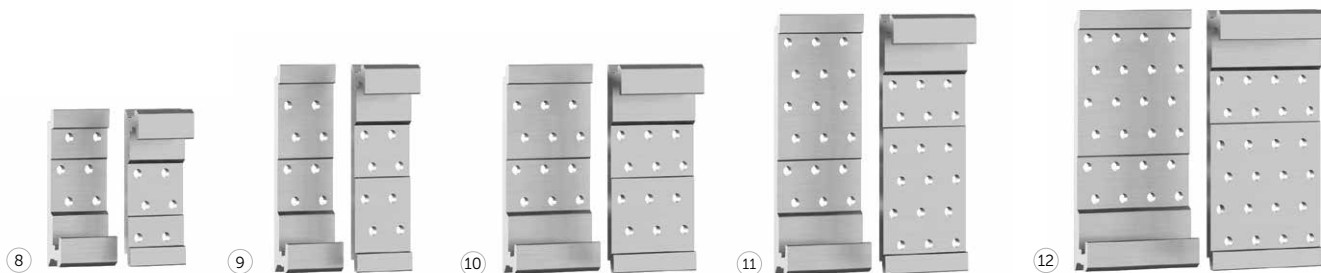
**SBL** | ROUND-HEAD SCREW AND FLAT UNDERHEAD  
**KGL EVO** | PAN HEAD SCREW WITH EVO COATING



d <sub>1</sub> [mm]	CODE	L [mm]	b [mm]	pcs
5	<b>SBL570</b> ①	70	66	200
5	<b>KGLEVO560</b> ②	60	35	200

CODE		B x H x s [mm]	n <sub>screws</sub> - Ø [mm]	n <sub>LOCKSTOP</sub> - type	pcs <sup>(*)</sup>
LOCKT50135	⑧	50 x 135 x 22	12 - Ø7	2 - LOCKSTOP7	25
LOCKT50175	⑨	50 x 175 x 22	16 - Ø7	4 - LOCKSTOP7	18
LOCKT75175	⑩	75 x 175 x 22	24 - Ø7	4 - LOCKSTOP7	12
LOCKT75215	⑪	75 x 215 x 22	36 - Ø7	4 - LOCKSTOP7	12
LOCKT100215	⑫	100 x 215 x 22	48 - Ø7	4 - LOCKSTOP7	8

(\*) number of connector pairs  
Screws and LOCK STOP not included in the package.

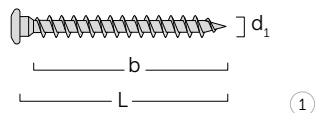


LOCK STOP

CODE		B x H x s [mm]	pcs
LOCKSTOP7	⑬	26,5 x 38 x 15	50

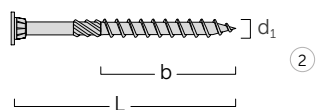
FASTENERS

SBL | ROUND-HEAD SCREW AND FLAT UNDERHEAD



d <sub>1</sub> [mm]	CODE		L [mm]	b [mm]	pcs
7 TX 30	LBS780	①	80	75	100

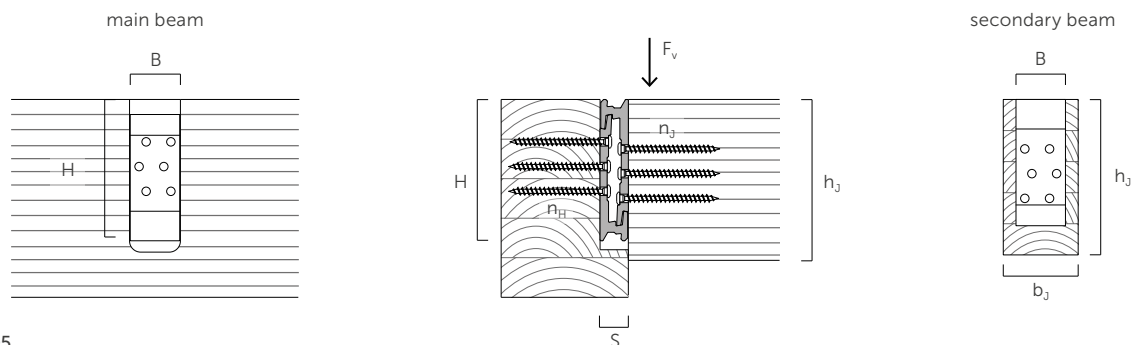
KGL EVO | PAN HEAD SCREW WITH EVO COATING



d <sub>1</sub> [mm]	CODE		L [mm]	b [mm]	pcs
6 TX 30	HBSPEVO680	②	80	50	100

## STRUCTURAL VALUES

### TIMBER-TO-TIMBER JOINT | $F_v$



CLIK Ø5

CODE	B x H x s [mm]	secondary beam minimum dimensions		screws		CHARACTERISTIC VALUES (EN 1995:2014)	
		$b_{J,min}$ [mm]	$h_{J,min}$ [mm]	type	$[n_H+n_J - \varnothing \times L]$	$R_{v,k,timber}$ [kN]	
						C24	GL24h
CLIKT1880	17,5 x 80 x 20	43	80	SBL	2+2 - Ø5x70	2,9	3,0
				KGL EVO	2+2 - Ø5x60	2,3	2,4
CLIKT3580	35 x 80 x 20	61	80	SBL	4+4 - Ø5x70	5,7	6,0
				KGL EVO	4+4 - Ø5x60	4,6	4,8
CLIKT35100	35 x 100 x 20	61	100	SBL	6+6 - Ø5x70	8,6	9,0
				KGL EVO	6+6 - Ø5x60	6,8	7,3
CLIKT35120	35 x 120 x 20	61	120	SBL	8+8 - Ø5x70	11,4	12,0
				KGL EVO	8+8 - Ø5x60	9,1	9,7
CLIKT53120	52,5 x 120 x 20	78	120	SBL	12+12 - Ø5x70	17,2	18,0
				KGL EVO	12+12 - Ø5x60	13,7	14,5

CLIK Ø7

CODE	B x H x s [mm]	secondary beam minimum dimensions		screws		CHARACTERISTIC VALUES (EN 1995:2014)	
		$b_{J,min}$ [mm]	$h_{J,min}$ [mm]	type	$[n_H+n_J - \varnothing \times L]$	$R_{v,k,timber}$ [kN]	
						C24	GL24h
LOCKT50135	50 x 135 x 22	80	140 <sup>(1)</sup>	LBS	6+6 - Ø7x80	15,4	16,4
				HBSPEVO	6+6 - Ø6x80	10,4	11,1
LOCKT50175	50 x 175 x 22	80	175	LBS	8+8 - Ø7x80	20,5	21,8
				HBSPEVO	8+8 - Ø6x80	13,9	14,8
LOCKT75175	75 x 175 x 22	105	175	LBS	12+12 - Ø7x80	30,8	32,7
				HBSPEVO	12+12 - Ø6x80	20,9	22,2
LOCKT75215	75 x 215 x 22	105	215	LBS	18+18 - Ø7x80	46,1	49,1
				HBSPEVO	18+18 - Ø6x80	31,3	33,2
LOCKT100215	100 x 215 x 22	130	215	LBS	24+24 - Ø7x80	61,5	65,4
				HBSPEVO	24+24 - Ø6x80	41,8	44,3

#### NOTES

<sup>(1)</sup> The LOCKT50135 connector must be installed 5 mm lower than the upper wire of the secondary beam, in order to respect the minimum distances of the screws.

#### GENERAL PRINCIPLES

- Characteristic values are consistent with EN 1995-1-1, in accordance with ETA-19/0831 and ETA-11/0030 for screws without pre-drilling hole. The strength value can be accepted as valid, for higher safety standards, even in the presence of pre-drill.
- The design values are obtained from the characteristic values as follows.

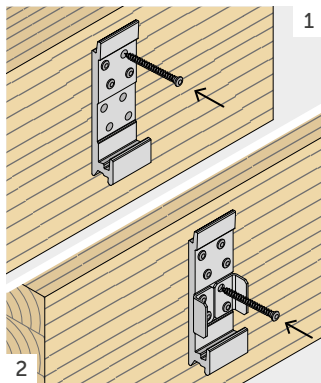
$$R_{v,d} = \frac{R_{v,k,timber} \cdot k_{mod}}{\gamma_M}$$

- The coefficients  $k_{mod}$  and  $\gamma_M$  should be taken according to the current regulations used for the calculation.
- The calculation process used a timber characteristic density of  $\rho_k=350 \text{ kg/m}^3$  for C24 and  $\rho_k=385 \text{ kg/m}^3$  for GL24h.
- Dimensioning and verification of the timber elements must be carried out separately.
- The connector must always be fully fastened using screws with the same length in all the holes.
- For application on column the related screws must be inserted with pre-drilling hole in order to respect the minimum spacing according to ETA-19/0831.
- The connector can be used outdoors (in service class 3) in combination with KGL EVO screws with the exception of application on acidic wood (oak) and in industrial and marine environments.

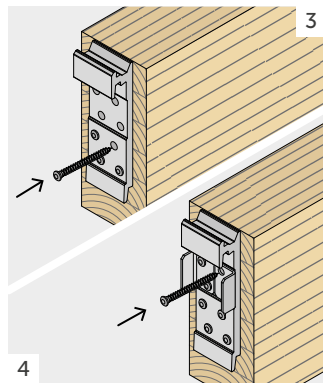


## INSTALLATION

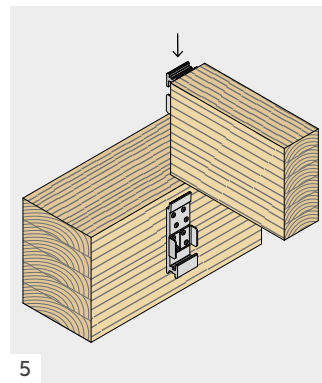
### EXPOSED INSTALLATION WITH LOCK STOP



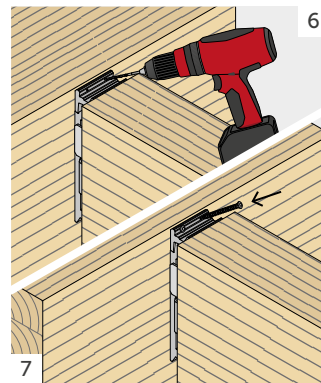
Place the connector on the main element and fasten the first screws. When using LOCK STOP (optional) position LOCK STOP and fasten the remaining screws.



Place the connector on the secondary beam and fasten the first screws. When using LOCK STOP (optional) position LOCK STOP and fasten the remaining screws.

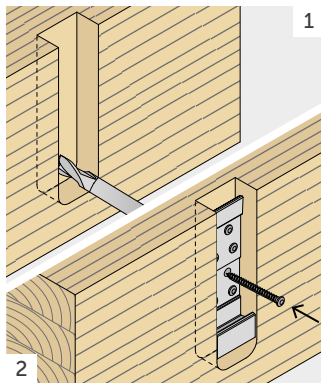


Hook the secondary beam fitting it from the top to the bottom.

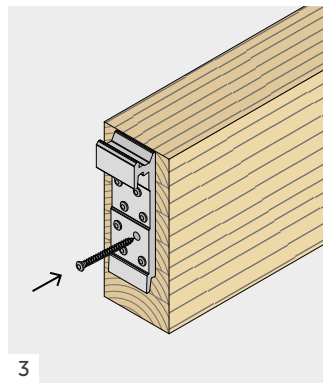


It is possible to insert anti-slip screws, by drilling one hole  $\varnothing 5$  inclined at  $45^\circ$  in the upper part of the connector. A  $\varnothing 5$  screw must be inserted in the hole.

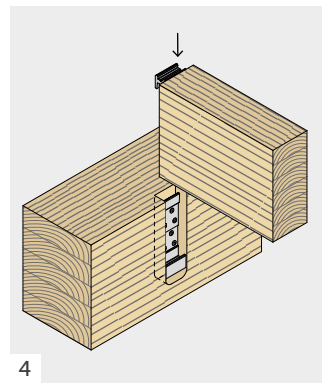
### CONCEALED INSTALLATION



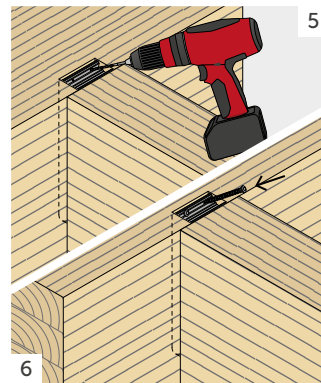
Carry out the grooving on the main element. Place the connector on the main element and fasten all screws.



Place the connector on the secondary beam and fasten all screws.

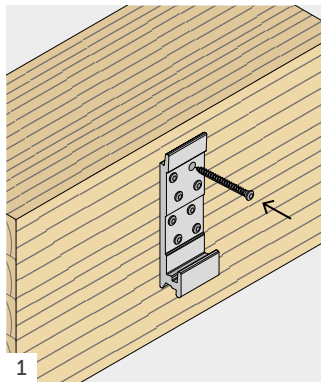


Hook the secondary beam fitting it from the top to the bottom.

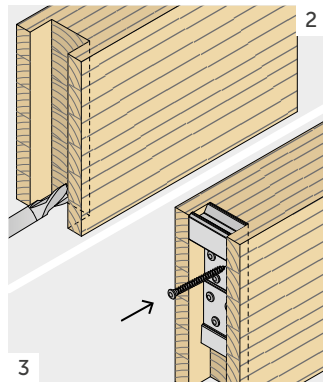


It is possible to insert anti-slip screws, by drilling one or more holes  $\varnothing 5$  inclined at  $45^\circ$  in the upper part of the connector. A  $\varnothing 5$  screw must be inserted in the holes.

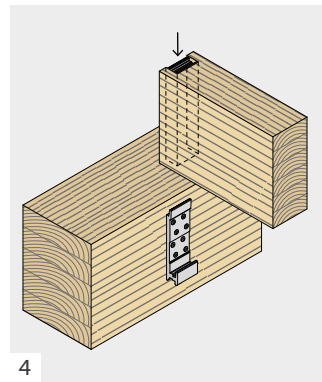
### SEMI-CONCEALED INSTALLATION



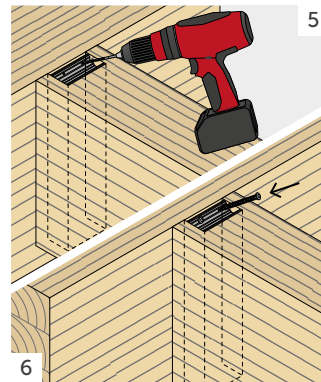
Place the connector on the main element and fasten all screws.



Perform full grooving on the secondary beam. Position the connector and fasten all screws.



Hook the secondary beam fitting it from the top to the bottom.



It is possible to insert anti-slip screws, by drilling one or more holes  $\varnothing 5$  inclined at  $45^\circ$  in the upper part of the connector. A  $\varnothing 5$  screw must be inserted in the holes.