



LOCK

CONCEALED CONNECTORS

NEWS
2022

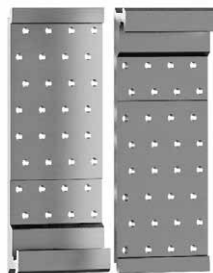
**rothoblaas**
Solutions for Building Technology

LOCK T

CONCEALED HOOK TIMBER-TO-TIMBER CONNECTOR



LOCKT75240



LOCKT100265



LOCKT125290

LOCK T CONNECTOR					GLULAM GL24H		ALUMINIUM
CODE	B [mm]	H [mm]	s [mm]	pcs ⁽¹⁾	fasteners LBS $n_H + n_j - \varnothing \times L$ [mm]	$R_{v,timber,k}^{(2)}$ [kN]	$R_{v,alu,k}$ [kN]
LOCKT75240	75	240	22	20	21 + 21 - $\varnothing 7 \times 80$	56,5	72,0
LOCKT100240	100	240	22	10	28 + 28 - $\varnothing 7 \times 80$	75,3	96,0
LOCKT125240	125	240	22	10	35 + 35 - $\varnothing 7 \times 80$	94,1	120,0
LOCKT75265	75	265	22	20	24 + 24 - $\varnothing 7 \times 80$	64,5	72,0
LOCKT100265	100	265	22	10	32 + 32 - $\varnothing 7 \times 80$	86,1	96,0
LOCKT125265	125	265	22	10	40 + 40 - $\varnothing 7 \times 80$	107,6	120,0
LOCKT75290	75	290	22	20	27 + 27 - $\varnothing 7 \times 80$	72,0	72,0
LOCKT100290	100	290	22	10	36 + 36 - $\varnothing 7 \times 80$	96,0	96,0
LOCKT125290	125	290	22	10	45 + 45 - $\varnothing 7 \times 80$	120,0	120,0

Screws not included in the box.

⁽¹⁾ Number of connector pairs.

⁽²⁾ Values calculated according to ETA-19/0831, ETA-11/0030 and EN 1995-1-1 for screws without pre-drilling hole. $p_k=385 \text{ kg/m}^3$ has been taken in consideration in the calculation.

For the general principles of calculation and for more details, see the product technical data sheets (www.rothoblaas.com).

LOCK C

CONCEALED HOOK TIMBER-TO-CONCRETE CONNECTOR



LOCK C CONNECTOR					GLULAM GL24H		ALUMINIUM	UNCRACKED CONCRETE	
CODE	B [mm]	H [mm]	s [mm]	pcs ⁽¹⁾	fasteners LBS $n_H + n_j - \varnothing \times L$ [mm]	$R_{v,timber,k}^{(2)}$ [kN]	$R_{v,alu,k}$ [kN]	anchors SKS-CE $n_c - \varnothing \times L$ [mm]	$R_{v,concrete,d}^{(3)}$ [kN]
LOCKC100290	100	290	22	10	36 - $\varnothing 7 \times 80$	96,0	96,0	6 - $\varnothing 10 \times 100$	45,0

Screws and anchors not included in the package.

⁽¹⁾ Number of connector pairs.

⁽²⁾ Values calculated according to ETA-19/0831, ETA-11/0030 and EN 1995-1-1 for screws without pre-drilling hole. $p_k=385 \text{ kg/m}^3$ has been taken in consideration in the calculation.

⁽³⁾ In the calculation phase, a strength class of C25/30 concrete with thin reinforcement was considered, in the absence of spacing and distances from the edge and minimum thickness of 120 mm.

For the general principles of calculation and for more details, see the product technical data sheets (www.rothoblaas.com).

LOCK T EVO

CONCEALED HOOK TIMBER-TO-TIMBER CONNECTOR FOR AGGRESSIVE ENVIRONMENTS



LOCKTEVO1880



LOCKTEVO53120



LOCKTEV100215

LOCK T EVO CONNECTOR					GLULAM C24		ALUMINIUM
CODE	B [mm]	H [mm]	s [mm]	pcs ⁽¹⁾	fasteners HBS PLATE EVO KKF AISI 410	$R_{v,timber,k}^{(2)}$ [kN]	$R_{v,alu,k}$ [kN]
					$n_H + n_j - \varnothing \times L$ [mm]		
LOCKTEVO1880	17,5	80	20	50	2 + 2 - $\varnothing 5 \times 70$	2,4	10,0
LOCKTEVO35100	35	100	20	50	6 + 6 - $\varnothing 5 \times 70$	7,2	20,0
LOCKTEVO53120	52,5	120	20	25	12 + 12 - $\varnothing 5 \times 70$	14,4	30,0
LOCKTEVO50135	50	135	22	25	6 + 6 - $\varnothing 6 \times 80$	10,4	30,0
LOCKTEVO75175	75	175	22	12	12 + 12 - $\varnothing 6 \times 80$	20,9	60,0
LOCKTEV100215	100	215	22	8	24 + 24 - $\varnothing 6 \times 80$	41,7	80,0
LOCKTEV75240(*)	75	240	22	20	21 + 21 - $\varnothing 6 \times 80$	36,5	72,0
LOCKTEV100240(*)	100	240	22	10	28 + 28 - $\varnothing 6 \times 80$	48,7	96,0
LOCKTEV125240(*)	125	240	22	10	35 + 35 - $\varnothing 6 \times 80$	60,9	120,0
LOCKTEV75265(*)	75	265	22	20	24 + 24 - $\varnothing 6 \times 80$	41,7	72,0
LOCKTEV100265(*)	100	265	22	10	32 + 32 - $\varnothing 6 \times 80$	55,7	96,0
LOCKTEV125265(*)	125	265	22	10	40 + 40 - $\varnothing 6 \times 80$	69,6	120,0
LOCKTEV75290(*)	75	290	22	20	27 + 27 - $\varnothing 6 \times 80$	47,0	72,0
LOCKTEV100290(*)	100	290	22	10	36 + 36 - $\varnothing 6 \times 80$	62,6	96,0
LOCKTEV125290(*)	125	290	22	10	45 + 45 - $\varnothing 6 \times 80$	78,3	120,0

Screws not included in the box.

⁽¹⁾ Number of connector pairs.

⁽²⁾ Values calculated according to ETA-19/0831, ETA-11/0030 and EN 1995-1-1 for screws without pre-drilling hole. $p_k=350 \text{ kg/m}^3$ has been taken in consideration in the calculation.

(*) Only available on special request.

For the general principles of calculation and for more details, see the product technical data sheets (www.rothoblaas.com).

LOCK STOP

SIDE LOCKING UNIT FOR LOCK CONNECTORS



LOCKSTOP35



LOCKSTOP50



LOCKSTOP75



LOCKSTOP100



LOCKSTOP125

CODE	B [mm]	H [mm]	s [mm]	pcs
LOCKSTOP35	41	28,5	13	50
LOCKSTOP50	56	40	15,5	40
LOCKSTOP75	81	40	15,5	20
LOCKSTOP100	106	40	15,5	20
LOCKSTOP125	131	40	15,5	20

LBS

ROUND HEAD SCREW FOR PLATES



FOCUS	screw for perforated plates
HEAD	round with cylindrical underhead
DIAMETER	5,0 7,0 mm
LENGTH	from 25 to 100 mm

HBS PLATE EVO

PAN HEAD SCREW



FOCUS	corrosiveness class C4
HEAD	shoulder for plate
DIAMETER	from 5,0 to 6,0 mm
LENGTH	from 50 to 90 mm

KKF AISI410

PAN HEAD SCREW



FOCUS	excellent versatility of use
HEAD	pan head
DIAMETER	from 5,0 to 6,0 mm
LENGTH	from 40 to 120 mm

SKS-CE

SCREW ANCHOR FOR CONCRETE CE1



FOCUS	screw for concrete
HEAD	countersunk
DIAMETER	10,0 mm
LENGTH	100 mm