

# PLATES AND CONNECTORS FOR TIMBER

# UPDATE 2022

## NINO

UNIVERSAL ANGLE BRACKET FOR SHEAR AND TENSILE LOADS



ETA-22/0089

NEW PRODUCT



CODES AND DIMENSIONS

CODE	B [mm]	P [mm]	H [mm]	s [mm]			pcs
NINO15080	146	55	77	2,5	●	●	10
NINO100100	104	78	100	2,5	●	●	10
NINO100200	104	122	197	3	●	●	10



## NINO WASHER | WASHER FOR NINO ANGLE BRACKET



NEW PRODUCT

CODES AND DIMENSIONS

CODE	B [mm]	P [mm]	s [mm]	n Ø14		pcs
NINOW15080	146	50	6	2	●	10
NINOW100200	104	120	8	4	●	10



## WKR

REINFORCED ANGLE BRACKETS FOR BUILDINGS



ETA-22/0089

NEW PRODUCT



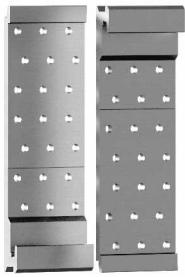
CODES AND DIMENSIONS

CODE	B [mm]	P [mm]	H [mm]	s [mm]			pcs
WKR9530	65	85	95	3	●	●	25
WKR13535	65	85	135	3,5	●	●	25
WKR21535	65	85	215	3,5	●	●	25
WKR28535	65	85	287	3,5	●	●	25
WKR53035	65	85	530	3,5	●	●	10

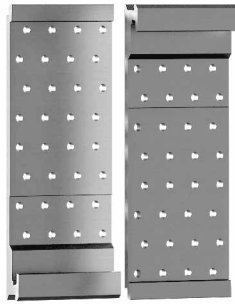


## LOCK T

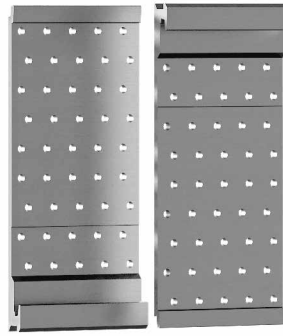
CONCEALED HOOK TIMBER-TO-TIMBER CONNECTOR



LOCKT75240



LOCKT100265



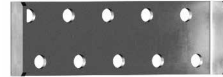
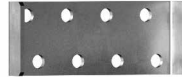
LOCKT125290

CODES AND DIMENSIONS

CODE	B [mm]	H [mm]	s [mm]	pcs
LOCKT75240	75	240	22	20
LOCKT100240	100	240	22	10
LOCKT125240	125	240	22	10
LOCKT75265	75	265	22	20
LOCKT100265	100	265	22	10
LOCKT125265	125	265	22	10
LOCKT75290	75	290	22	20
LOCKT100290	100	290	22	10
LOCKT125290	125	290	22	10

## LOCK STOP

SIDE LOCKING UNIT FOR LOCK CONNECTORS



CODES AND DIMENSIONS

CODE	B [mm]	H [mm]	s [mm]	pcs
LOCKSTOP18	21,5	27,5	13	50
LOCKSTOP35	41	28,5	13	50
LOCKSTOP50	56	40	15,5	40
LOCKSTOP75	81	40	15,5	40
LOCKSTOP100	106	40	15,5	20
LOCKSTOP125	131	40	15,5	20

## LOCK T EVO

CONCEALED HOOK TIMBER-TO-TIMBER CONNECTOR FOR AGGRESSIVE ENVIRONMENTS



LOCKTEVO1880



LOCKTEVO53120



LOCKTEV100215

CODES AND DIMENSIONS

CODE	B [mm]	H [mm]	s [mm]	pcs
LOCKTEVO1880	17,5	80	20	50
LOCKTEVO35100	35	100	20	50
LOCKTEVO53120	52,5	120	20	25
LOCKTEVO50135	50	135	22	25
LOCKTEVO75175	75	175	22	12
LOCKTEV100215	100	215	22	8
LOCKTEV75240(*)	75	240	22	20
LOCKTEV100240(*)	100	240	22	10
LOCKTEV125240(*)	125	240	22	10
LOCKTEV75265(*)	75	265	22	20
LOCKTEV100265(*)	100	265	22	10
LOCKTEV125265(*)	125	265	22	10
LOCKTEV75290(*)	75	290	22	20
LOCKTEV100290(*)	100	290	22	10
LOCKTEV125290(*)	125	290	22	10

(\*) Only available on special request.

## LOCK C

CONCEALED HOOK TIMBER-TO-CONCRETE CONNECTOR



CODES AND DIMENSIONS


CODE	B [mm]	H [mm]	s [mm]	pcs
LOCKC100290	100	290	22	10

## ALU START

ALUMINIUM SYSTEM FOR THE CONNECTION OF BUILDINGS TO THE GROUND



### CODES AND DIMENSIONS

CODE	B [mm]	L [mm]		pcs
ALU <b>START</b> 80	80	2400	●	1
ALU <b>START</b> 175	175	2400	●	1

## HYB-FIX

HIGH-PERFORMANCE HYBRID CHEMICAL ANCHOR

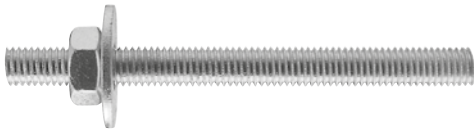


### CODES AND DIMENSIONS

CODE	format [ml]	pcs
HYB <b>2</b> 80	280	12
HYB <b>4</b> 20	420	12

## INA

5.8 AND 8.8 STEEL CLASS THREADED ROD FOR CHEMICAL ANCHORS



### 5.8 STEEL CLASS THREADED ROD

#### CODES AND DIMENSIONS

CODE	d [mm]	L <sub>t</sub> [mm]	d <sub>0</sub> [mm]	d <sub>f</sub> [mm]	pcs
INA5810105	M10	105	12	≤ 12	10
INA5810140		140	12	≤ 12	10
INA5812140	M12	140	14	≤ 14	10
INA5812195		195	14	≤ 14	10
INA5816195	M16	195	18	≤ 18	10
INA5816245		245	18	≤ 18	10
INA5820245	M20	245	24	≤ 22	10
INA5820330		330	24	≤ 22	10
INA5824330	M24	330	28	≤ 26	10
INA5827330	M27	330	32	≤ 30	10

d<sub>0</sub> = hole diameter in the support

d<sub>f</sub> = hole diameter in the element to be fastened

### 8.8 STEEL CLASS THREADED ROD

#### CODES AND DIMENSIONS

CODE	d [mm]	L <sub>t</sub> [mm]	d <sub>0</sub> [mm]	d <sub>f</sub> [mm]	pcs
INA8812140	M12	140	14	≤ 14	10
INA8812195		195	14	≤ 14	10
INA8812245	M16	245	14	≤ 14	10
INA8816160		160	18	≤ 18	10
INA8816195	M16	195	18	≤ 18	10
INA8816245		245	18	≤ 18	10
INA8816330	M20	330	18	≤ 18	10
INA8820245		245	24	≤ 22	10
INA8820330	M20	330	24	≤ 22	10
INA8820495		495	24	≤ 22	10
INA8824330	M24	330	28	≤ 26	10
INA8824495		495	28	≤ 26	10
INA8827330	M27	330	32	≤ 30	10
INA8827495		495	32	≤ 30	10

d<sub>0</sub> = hole diameter in the support

d<sub>f</sub> = hole diameter in the element to be fastened

