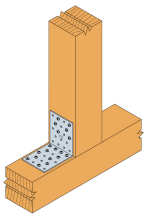
Technical Sheet

ANP
Nail plate angle bracket

The ANP angle brackets are suitable for crossing wood / wood connections, replacements and sleepers / post connections.







Features

Material

Steel quality:
S250GD + Z275 according to DIN EN10346

Corrosion protection:
275 g / m galvanized on both sides 20mm

Benefits

- The angle connector of perforated sheets are available in many different sizes.
- Optimal use in many areas. The number of openings allows different combinations of connectivity, load according to ETA.

Applications

Applicatons

Supporting member:
Solid wood, engineered wood
Supported member:
Solid wood, engineered wood

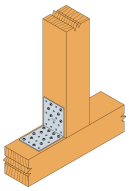
Scope

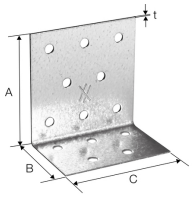
- The ANP angle connector of perforated sheets are suitable for cross connections, replacements and beam / post connections.

Technical Sheet

ANP
Nail plate angle bracket

Technical Data





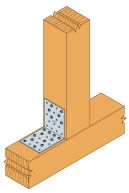
Product Dimensions

Reference	Connector Dimensions									
	Other				Product Dimensions[mm]				Joist[mm]	Flange B[mm]
	Tun / DB nr.	NOB nr.	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	Thickness[mm]	Round Ø5[mm]	Round Ø5[mm]
ANP254440 *	7742398	28998490	200.0	0.062	42.5	42.5	40	2.5	3	3
ANP254460 *	1644046	21221080	150.0	0.089	42.5	42.5	60	2.5	5	5
ANP254660	8258162	21221098	150.0	0.11	42.5	62.5	60	2.5	7	5
ANP256640 *	1680636	21221114	100.0	0.09	62.5	62.5	40	2.5	5	5
ANP256650	5650395	21221015	150.0	0.11	62.5	62.5	50	2.5	6	6
ANP256660	4618724	21221122	100.0	0.14	62.5	62.5	60	2.5	8	8
ANP256680	1644053	21221130	100.0	0.18	62.5	62.5	80	2.5	11	11
ANP2566100	5653399	43910856	50.0	0.22	62.5	62.5	100	2.5	14	14
ANP256860 *	8258170	21221148	100.0	0.16	62.5	82.5	60	2.5	10	8
ANP2561060	8258188	21221106	100.0	0.18	62.5	102.5	60	2.5	12	8
ANP258860	5650411	43910875	100.0	0.18	82.5	82.5	60	2.5	10	10
ANP258880	7742406	43910886	50.0	0.24	82.5	82.5	80	2.5	14	14
ANP2588100	1684369	47313140	50.0	0.3	82.5	82.5	100	2.5	18	18
ANP25101060	5653381	28994226	50.0	0.22	102.5	102.5	60	2.5	13	13
ANP25101080	5804551	23383094	50.0	0.3	102.5	102.5	80	2.5	18	18
ANP251010100	5653373	28994267	50.0	0.37	102.5	102.5	100	2.5	23	23
ANP251020100	1868934	21220942	25.0	0.56	202.5	102.5	100	2.5	45	23

*) Currently without ETA / CE mark.

Technical Sheet

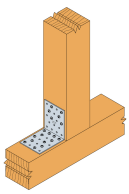
ANP
Nail plate angle bracket



Capacities wood-wood connection - Full Nailing

Reference	Angle bracket capacity							
	Product capacities - Timber to timber - Beam to beam - Full nailing							
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]					
	Joist	Flange B	$R_{1,k}$			$R_{2,k}=R_{3,k}$[kN]		
	Qty	Qty	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x40	CNA4.0x50	CNA4.0x60
ANP254660	3	3	3.48	4.64	5.8	3.74	4.68	5.32
ANP256650	2	2	2.82	3.4	3.96	2.88	3.58	3.96
ANP256660	3	3	3.6	4.8	5.7	3.38	4.2	4.68
ANP256680	4	4	5.12	6.28	7.42	6.02	7.5	8.42
ANP2566100	5	5	5.9	7.84	9.26	7.96	9.94	11.06
ANP2561060	6	5	3.94	5.26	6.58	5.74	7.1	7.7
ANP258860	4	5	3.88	4.9	5.92	3.96	4.94	5.54
ANP258880	6	6	5.34	6.6	7.26	7.28	8.98	9.9
ANP2588100	7	8	6.44	8.14	9.74	9.2	11.46	12.7
ANP25101060	6	5	3.88	4.96	6.04	5.86	7.22	7.88
ANP25101080	8	8	5.46	6.5	7.16	7.76	9.64	10.6
ANP251010100	10	8	6.48	8.3	9.64	11.02	13.64	15
ANP251020100	16	10	7.18	9.56	11.96	13.14	16.14	17.52

Combined load:
\left(\frac{F_{1,d}} {R_{1,d}}\right)^2+\left(\frac{F_{2/3,d}} {R_{2/3,d}}\right)^2\le1



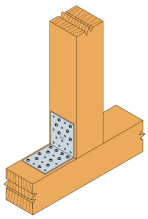
Product capacities - Column to beam - Maximum nailing

Reference	Angle bracket capacity							
	Product capacities - Timber to timber - Partial nailing							
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]					
	Joist	Flange B	$R_{1,k}$			$R_{2,k}=R_{3,k}$		
	Qty	Qty	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x40	CNA4.0x50	CNA4.0x60
ANP2561060	4.0	5.0	3.94	5.26	6.58	3.08	3.78	4.1
ANP258860	3.0	5.0	3.88	4.9	5.92	3.16	3.88	4.22
ANP258880	4.0	6.0	5.34	6.6	7.26	5.14	6.42	7.02
ANP2588100	5.0	8.0	6.44	8.14	9.74	7.26	8.9	9.66
ANP25101060	5.0	5.0	3.88	4.96	6.04	4.9	6.06	6.68
ANP25101080	6.0	6.0	5.46	6.5	7.16	5.96	7.38	8.16
ANP251010100	8.0	8.0	6.48	8.3	9.64	9.56	11.8	12.96
ANP251020100	13.0	10.0	7.18	9.56	11.96	11.2	13.74	14.92

Installation

Fasteners

- The fixing needs to be done with CNA4,0xl threaded nails or CSA5,0xl screws.



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