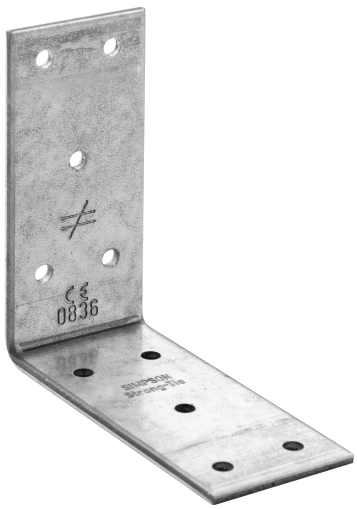
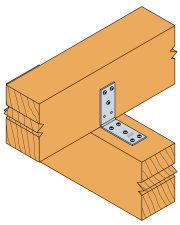
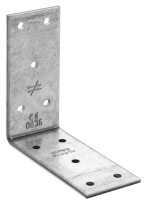
Technical Sheet

ABB40390
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General use, particularly where there are demands for high loads material







Features

Material

Steel quality:

Quality steel-S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

• load capacity in all directions, improved values at full and partial nailing
applicable materials
• wood, other wood-based materials

Applications

Applicatons

Wood, other wood-based materials

Scope

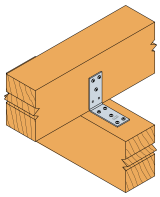
• Wood / Wood
Values at full nailing
Values partial nailing

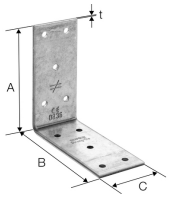
Technical Sheet

ABB40390
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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]
ABB40390	3779360	21220843	100.0	0.16	93	93	40	3	5	5

Capacities wood-wood connection - Full Nailing

Reference	Angle bracket capacity							
	Product capacities - Timber to timber - Full nailing							
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]					
	Joist	Flange B	$R_{1,k}$		$R_{2,k}=R_{3,k}$		R4,k = R5,k(1)	
	Qty	Qty	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
ABB40390	3.0	5.0	min (3.0 ; 3,1 /kmod)	min (4,9; 4,4 /kmod)	2	2.8	1,4 /kmod^0,5	1,9 /kmod 0,5

1) b = 75mm ; e = 130mm

Capacities wood-wood connection / partialnailing

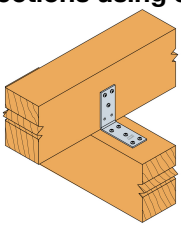
Reference	Angle bracket capacity							
	Product capacities - Timber to timber - Partial nailing							
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]					
	Joist	Flange B	$R_{1,k}$		$R_{2,k}=R_{3,k}$		R4,k = R5,k(1)	
	Qty	Qty	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
ABB40390	3.0	3.0	min (2,3; 2,0 /kmod)	min (3,1; 2,8 /kmod)	1.7	2.2	1,0 /kmod^0,5	1,3 /kmod^0,5

1) b = 75 mm ; e = 130 mm
Design
For the superimposition of the action be proved:
\sqrt{\left (\frac {F_{1,d}} {R_{1,d}} + \frac {F_{4/5,d}}{R_{4/5,d}} \right)^2 + \left (\frac{F_{2/3,d}}{R_{2/3,d}} \right)^2} \le 1

Installation

Fasteners

- **connections using screws or nails CSA5,0xl CNA4,0xl**



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