



SIMPSON
Strong-Tie

Angle brackets **ABR Strong Z**



A new series of angle brackets with the new innovative protective coating **ZPRO**. ZPRO is a unique corrosion protection coating which provides similar corrosion protection as with extra hot-dip galvanized steel with 55 μm zinc corrosion category C3 (EN ISO 12944). Similar like the classic series of Strong these angle brackets used for structural connection between timber to timber or concrete. Typical application includes fixing trusses, purlin, post, solid or laminated timber.

Fixing:

- For fastening to wood use connector nails CNA4,0 or connector screws CSA5,0x40 Impreg+.
- For fastening to concrete use (WA) mechanical anchor or (AT-HP) chemical anchor Simpson Strong-Tie with LMAS threaded rod.

Material:

Galvanized steel S250GD + ZPRO

Corrosion protection:

ZPRO coating - equivalent to a zinc layer thickness of approx. 55 μm



ETA-06/0106
PL-DoP-e06-0106

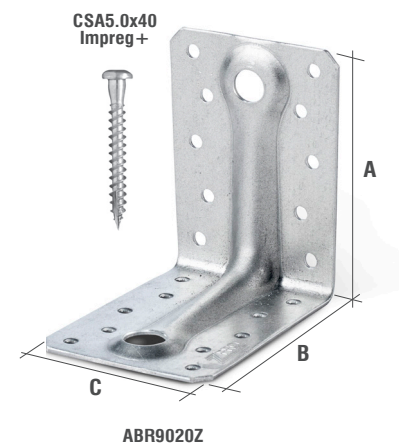
Item sizes available:

Art. No	Dimension [mm]				Holes	
	A	B	C	t	Flange - A	Flange - B
ABR7015Z	70	70	55	1,5	8- \emptyset 5; 1- \emptyset 7	8- \emptyset 5; 1- \emptyset 8
ABR9020Z	88	88	65	2,0	10- \emptyset 5; 1- \emptyset 11	10- \emptyset 5; 1- \emptyset 11
ABR10525Z	105	105	90	2,5	10- \emptyset 5; 2- \emptyset 11	14- \emptyset 5; 1- \emptyset 14

Beam to Beam connection - full nailing

Art. No	Fixing - fasteners / anchors		Characteristic Capacity [kN] (2 angle brackets per connection)		
	Flange - A	Flange - B	$R_{1,k}$	$R_{2/3,k}$	$R_{4/5,k}$
ABR7015Z	6 CNA4.0x40	8 CNA4.0x40	6,1	7,3	4,8 / $k_{mod}^{0,3}$
ABR9020Z	8 CNA4.0x40	10 CNA4.0x40	10,8	10,3	4,9 / $k_{mod}^{0,7}$
ABR10525Z	10 CNA4.0x40	14 CNA4.0x40	11,2	12,2	11,5 / $k_{mod}^{0,4}$

Characteristic capacities for other lengths of fasteners are available on the website www.strongtie.pl



Beam to Beam connection - partial nailing

Art. No	Fixing - fasteners / anchors		Characteristic Capacity [kN] (2 angle brackets per connection)		
	Flange - A	Flange - B	$R_{1,k}$	$R_{2/3,k}$	$R_{4/5,k}$
ABR9020Z	4 CNA4.0x40	6 CNA4.0x40	5,9	6,4	4,8 / $k_{mod}^{0,7}$
ABR10525Z	6 CNA4.0x40	6 CNA4.0x40	5,7	10,6	Refer to: ETA-06/0106

Characteristic capacities for other lengths of fasteners are available on the website www.strongtie.pl

