



Anchor blade, which is used to join two pieces of timber with pin.



[UK-DoP-h10/0007](#)

## FEATURES

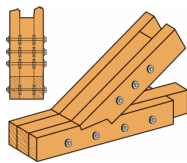
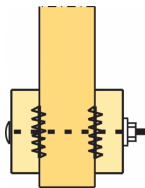
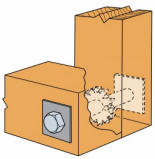


## Material

- DC01 (DX51D)

## Benefits

- When connected using pins and dowels do not come into contact two bonded materials.



## APPLICATIONS

### Applicatons

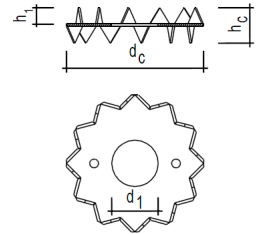
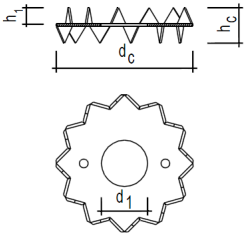
wood

### Scope

- Wood / Wood

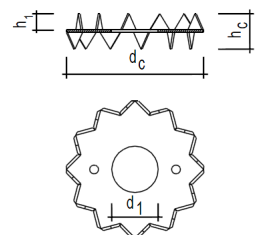
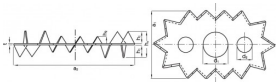
TECHNICAL DATA

Dimensions - Round double sided C1



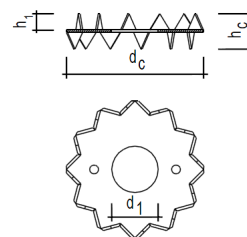
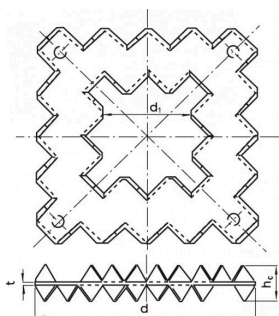
References	Type	Connector dimensions				
		Diameter		Height		Thickness t [mm]
		External $d_c$ [mm]	Center hole $d_1$ [mm]	Teeth $h_1$ [mm]	Total $h_c$ [mm]	
C1-50	C1	50	17	6	13	1
C1-62	C1	62	21	7.4	16	1.2
C1-75	C1	75	26	9.1	19.5	1.3
C1-50G-B	C1	50	17	6	13	1
C1-62G-B	C1	62	21	7.4	16	1.2
C1-75G-B	C1	75	26	9.1	19.5	1.3
C1-95G-B	C1	95	33	11.3	24	1.4
C1-117G-B	C1	117	48	14.3	30	1.5
C1-140G	C1	140	60	14.5	31	2
C1-165G	C1	165	70	15.5	33	2

Dimensions - Oval double sided C3



References	Type	Connector dimensions						
		Diameter		Height		Thickness t [mm]	$a_1$ [mm]	$a_2$ [mm]
		Center hole $d_1$ [mm]	Side holes $d_2$ [mm]	Teeth $h_1$ [mm]	Total $h_c$ [mm]			
C3-73/130G	C3	26	16	13.3	28	1.5	73	130

**Dimensions - Square double sided C5**



References	Type	Connector dimensions				Thickness t [mm]
		Diameter		Height		
		External d <sub>c</sub> [mm]	Center hole d <sub>1</sub> [mm]	Teeth h <sub>1</sub> [mm]	Total h <sub>c</sub> [mm]	
C5-100G-B	C5	100	40	7.3	16	1.4
C5-130G	C5	130	52	9.3	20	1.5

**Minimum distances and characteristic values**

References	Type	Chosen timber thickness		Minimum distances						Characteristic shear resistance (bolt resistance not included) R <sub>v,k</sub> [kN]
		t <sub>1</sub> [mm]	t <sub>2</sub> [mm]	Spacing parallel to grain	Spacing perpendicular to grain	from loaded end	from unloaded end	from loaded edge	from unloaded edge	
		a <sub>1 α=0°</sub> [mm]	a <sub>2</sub> [mm]	a <sub>3,t</sub> [mm]	a <sub>3,c α=90°</sub> [mm]	a <sub>4,t α=90°</sub> [mm]	a <sub>4,c</sub> [mm]			
C1-50	C1	18	30	75	60	75	75	40	30	6.3
C1-62	C1	23	37	93	75	93	93	50	38	8.7
C1-75	C1	28	46	113	90	113	113	60	45	11.6
C1-50G-B	C1	18	30	75	60	75	75	40	30	6.3
C1-62G-B	C1	23	37	93	75	93	93	50	38	8.7
C1-75G-B	C1	28	46	113	90	113	113	60	45	11.6
C1-95G-B	C1	34	57	143	114	143	143	76	57	16.6
C1-117G-B	C1	43	72	176	141	176	176	94	71	22.7
C1-140G	C1	44	73	210	168	210	210	112	84	29.8
C1-165G	C1	47	78	248	198	248	248	132	99	38.1
C3-73/130G	C3	40	67	146	117	146	146	78	59	17.1
C5-100G-B	C5	22	37	150	120	150	150	80	60	18
C5-130G	C5	28	47	195	156	195	195	104	78	26.6

The given characteristic shear resistance per connector R<sub>v,k</sub> is calculated according to the minimum distances given in this table and for timber grade C24. This capacity can be increased with a higher timber grade (see k<sub>3</sub> factor according to EN1995). This capacity can also be decreased with lower a<sub>3,t</sub> (see k<sub>2</sub> factor according to EN1995). For lower t<sub>1</sub> or t<sub>2</sub>, please refer to EN1995. The characteristic bolt shear resistance is not included and should be added.

