Technical data sheet

C1 - C5

Bulldog®-sided C1-C3-C5

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

Features

Material

- **DC01 (DX51D)**

Benefits

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

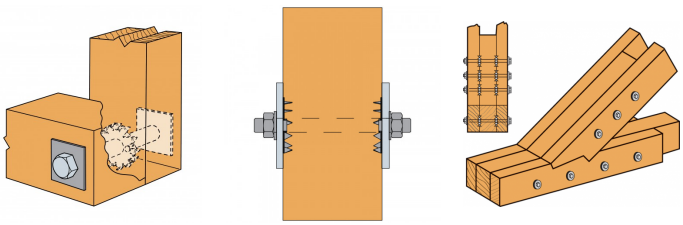
Applications

Applicatons

wood

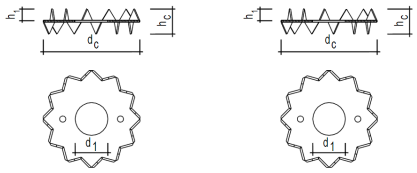
Scope

- **Wood / Wood**



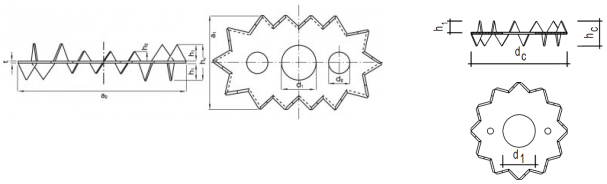
C1

Technical Data



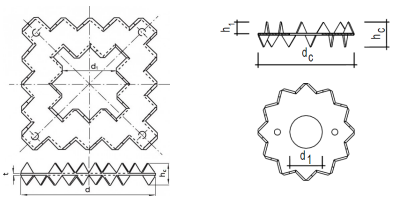
Dimensions - Round double sided C1

References	Type	Tun / DB nr.	NOB nr.	Connector dimensions [mm]					Box Quantity
				Diameter		Height		Thickness	
				External	Center hole	Teeth	Total	t	
				d_c	d_1	h_1	h_c		
C1-50	C1	5804553	43910606	50	17	6	13	1	200
C1-62-B	C1	5804554	43910614	62	21	7.4	16	1.2	100
C1-75-B	C1	5804555	NOB179	75	26	9.1	19.5	1.3	100
C1-50G-B	C1	8271405	24793937	50	17	6	13	1	200
C1-62G-B	C1	8271413	24793952	62	21	7.4	16	1.2	100
C1-75G-B	C1	8271421	24793960	75	26	9.1	19.5	1.3	100
C1-95G-B	C1	8271439	24793978	95	33	11.3	24	1.4	40
C1-117G-B	C1	8977548	24793994	117	48	14.3	30	1.5	25



Dimensions - Oval double sided C3

References	Type	Tun / DB nr.	NOB nr.	Connector dimensions [mm]							Box Quantity
				Diameter		Height		Thickness	a_1 [mm]	a_2 [mm]	
				Center hole	Side holes	Teeth	Total	t			
				d_1	d_2	h_1	h_c				
C3-73/130G-B	C3	8977571	24794018	26	16	13.3	28	1.5	73	130	50



Dimensions - Square double sided C5

References	Type	Tun / DB nr.	NOB nr.	Connector dimensions [mm]					Box Quantity
				Diameter		Height		Thickness	
				External	Center hole	Teeth	Total	t	
				d_c	d_1	h_1	h_c		
C5-100G-B	C5	8977555	24793986	100	40	7.3	16	1.4	50
C5-130G-B	C5	8977563	24794000	130	52	9.3	20	1.5	25

Technical data sheet

C1 - C5
Bulldog®-sided C1-C3-C5

Minimum distances and characteristic values

References	Type	Chosen timber thickness		Characteristic shear resistance (bolt resistance not included)						
				Minimum distances						$R_{v.k}$ [kN]
		t_1 [mm]	t_2 [mm]	Spacing parallel to grain	Spacing perpendicular to grain	from loaded end	from unloaded end	from loaded edge	from unloaded edge	
				$a_{1\ \alpha=0°}$ [mm]	a_2 [mm]	$a_{3.t}$ [mm]	$a_{3.c\ \alpha=90°}$ [mm]	$a_{4.t\ \alpha=90°}$ [mm]	$a_{4.c}$ [mm]	
C1-50	C1	18	30	75	60	75	75	40	30	6.3
C1-62-B	C1	23	37	93	75	93	93	50	38	8.7
C1-75-B	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
C3-73/130G-B	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-B	C5	28	47	195	156	195	195	104	78	26.6

The given characteristic shear resistance per connector $R_{v.k}$ 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_3 factor according to EN1995). This capacity can also be decreased with lower $a_{3.t}$ (see k_2 factor according to EN1995). For lower t_1 or t_2, please refer to EN1995. The characteristic bolt shear resistance is not included and should be added.

Installation

Installation

- The installation is made while tightening the bolt, the teeth sink into the timber under the pressure of the bolt.
- The bolt installation always requires two washers.