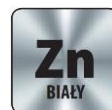


## Section 1. PRODUCT DESCRIPTION

### NAIL PLATE – LP

Nail plates for nailing are made from steel sheet and used mainly for various types of timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.



#### Features and advantages of fasteners:

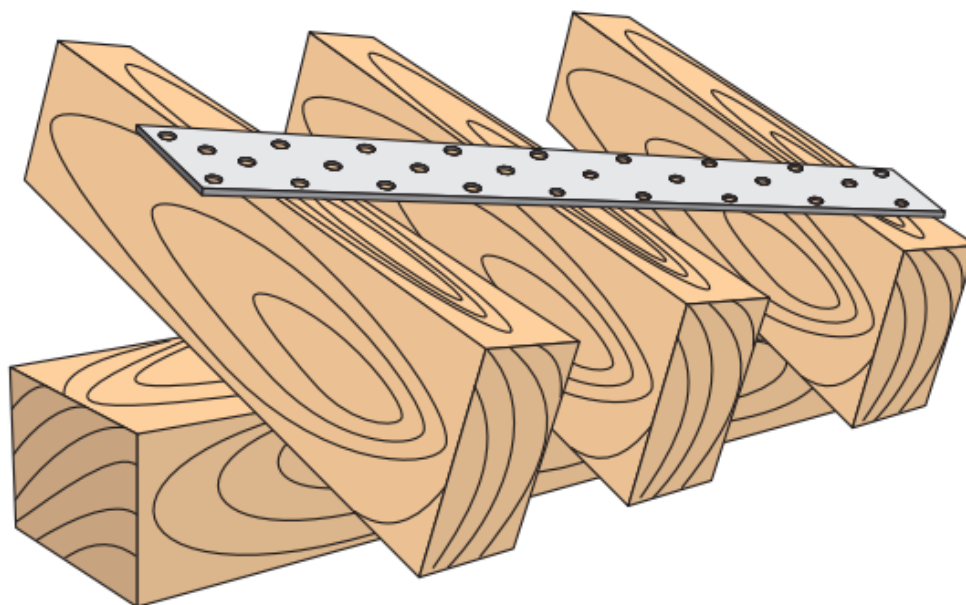
- easy installation
- savings in construction materials
- stability and rigidity of the structure
- high quality, durability and aesthetics
- corrosion protection
- fire resistance class – A1

Fasteners conform to European standard: PN-EN 14545:2011



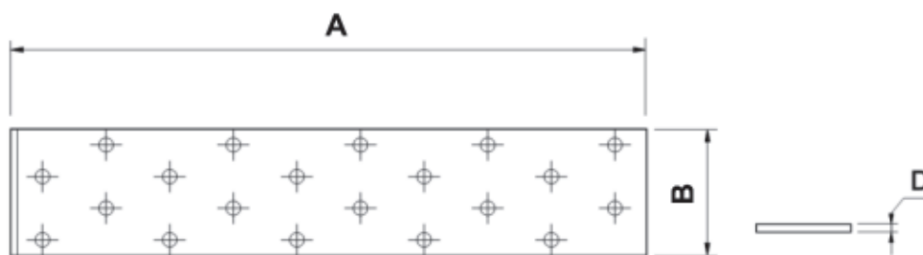
## Section 2. METHOD OF INSTALLATION

1. Original fasteners delivered by the manufacturer can be used only
2. The fastened wooden elements should be defect-free (no knots, cracks, colourations, rots, structure and shape defects, mechanical damages) as any defects reduce their strength
3. For connection, suitable pin type fasteners should be selected with an adequate length depending on thickness of the elements to be fastened
4. Pin type fasteners should conform to PN-EN 14545:2011
5. Screws and nails should be used directly in wooden substrate without prior drilling
6. Fasteners should be used in accordance with technical design prepared, taking into account Polish standards and building regulations



**PRODUCT DATA SHEET – LP**

**Section 3. TECHNICAL DATA**



SELECTION TABLE							
Product marking	Dimensions [mm]			No. of holes		Design resistance	Number of pieces in a box
	A	B	D	ø4,5	ø5	[kN]	pcs
LP-01(X50)	40	80	2	8	-	1,10	50
LP-02(X50)	40	100	2	10	-	1,10	50
LP-03(X50)	40	120	2	12	-	1,10	50
LP-04(X100)	40	160	2	16	-	1,10	100
LP-05(X50)	50	180	2	22	-	1,10	50
LP-06(X50)	50	200	2	25	-	1,10	50
LP-07(X50)	50	240	2	30	-	1,10	50
LP-08(X50)	60	140	2	21	-	1,10	50
LP-09(X50)	60	160	2	24	-	1,48	50
LP-10(X50)	60	180	2	27	-	1,48	50
LP-11(X50)	60	200	2	30	-	1,48	50
LP-12(X50)	60	220	2	33	-	1,48	50
LP-13(X50)	60	240	2	36	-	1,48	50
LP-14(X50)	80	100	2	20	-	2,46	50
LP-15(X50)	80	140	2	28	-	2,46	50
LP-16(X50)	80	180	2	36	-	2,46	50
LP-17(X25)	80	200	2	40	-	2,46	25
LP-18(X50)	80	220	2	44	-	2,46	50
LP-19(X25)	80	240	2	48	-	2,46	25
LP-20(X25)	80	300	2	60	-	2,46	25
LP-21(X25)	100	200	2	50	-	2,46	25
LP-22(X25)	100	220	2	55	-	2,46	25
LP-23(X25)	100	240	2	60	-	2,46	25
LP-24(X25)	100	260	2	65	-	2,46	25
LP-25(X20)	100	300	2	75	-	2,46	20
LP-26(X25)	120	240	2	72	-	2,46	25
LP-27(X25)	120	300	2	90	-	2,46	25
LP-28(X20)	140	400	2	-	140	2,46	20
LP-29(X20)	200	200	2	-	100	2,46	20
LP-30(X20)	300	400	2	-	300	2,46	20

**Section 4. REMARKS**

1. All previous versions of this Product Data Sheet shall cease to be valid
2. Data given in this Product Data Sheet is in accordance with current knowledge and published in good faith. KLIMAS Sp. z o.o. is not responsible for correctness and quality of the fixing if recommendations regarding method of use and installation are not followed.