

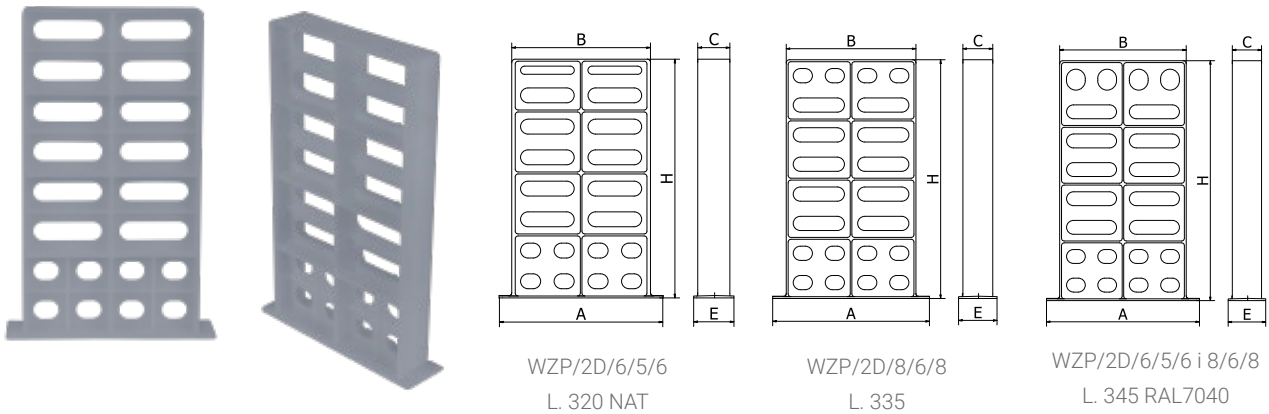
# TRANSPORT PROTECTION SYSTEMS MADE OF PLASTICS

Reliability and stability during transport



# Transport spacers for fence panels

2D panel protection insert against shifting during transport– **WZP**



| ART. NO | TYPE                                        | A [mm] | B [mm] | C [mm] | H [mm] | E [mm] |
|---------|---------------------------------------------|--------|--------|--------|--------|--------|
| 4499    | <b>WZP/2D/6/5/6 L. 320 NAT</b>              | 220    | 182    | 43     | 320    | 54     |
| 4497    | <b>WZP/2D/8/6/8 L. 335 RAL 9002</b>         | 220    | 182    | 42     | 335    | 54     |
| 4498    | <b>WZP/2D/6/5/6 i 8/6/8 L. 345 RAL 7040</b> | 220    | 182    | 42     | 345    | 54     |

## Material and available colors:

| Material                                                                                                  | Colors                                                                                          |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>RAL 9002 |
|                                                                                                           | <br>RAL 7040 |
|                                                                                                           | <br>Natural  |



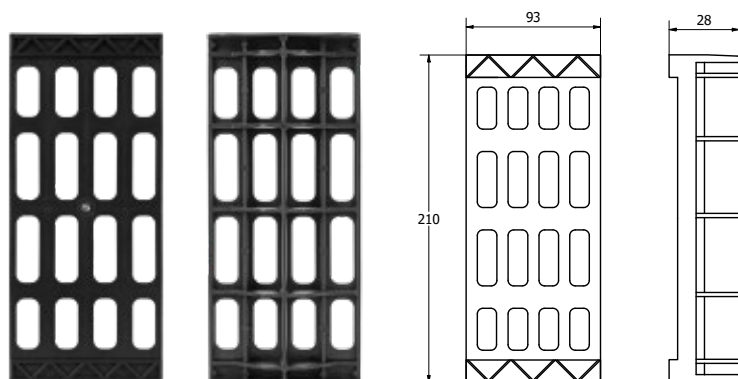
## Properties:

- easy installation
- safe and stable transport of 2D fence panels



# Transport spacers for fence panels

## Spacer for fence panels transportation 3D **PTP**



The spacers make it easier to secure the products on the pallet.

### Material and available colors:

| Material                                                                                                  | Colors                                                                                          |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>RAL 9005 |

| ART. NO | TYPE       |
|---------|------------|
| 1147    | <b>PTP</b> |



The spacers prevent the corners from being crushed during strapping.

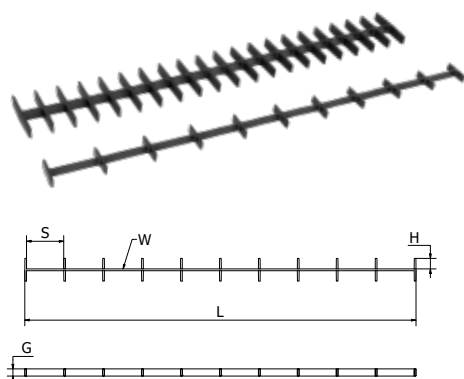
For transporting 3D fence panels. They help with stacking the products.





# Transport spacers for fence posts

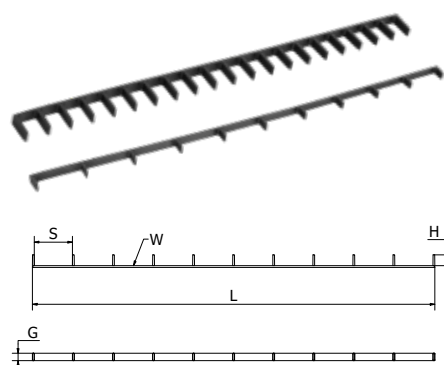
Transport spacers for square and rectangular posts and profiles „**Cross**” PT/A



W - number of sections in the spacer

G - spacer width

Transport spacers for square and rectangular posts and profiles „**Comb**” PT/B



| ART. NO | TYPE                  | S [mm] | W  | H [mm] | G [mm] | L [mm] | TYPE     |
|---------|-----------------------|--------|----|--------|--------|--------|----------|
| 4713    | <b>PT 15/20/A H7</b>  | 15     | 20 | 6,7    | 12     | 387    | <b>A</b> |
| 4658    | <b>PT 20/16/A H7</b>  | 20     | 16 | 7      | 12     | 392    | <b>A</b> |
| 4070    | <b>PT 20/20/A H29</b> | 20     | 20 | 28,5   | 12     | 490    | <b>A</b> |
| 4394    | <b>PT 20/20/A H90</b> | 20     | 20 | 89     | 12     | 514    | <b>A</b> |
| 4071    | <b>PT 20/20/B H29</b> | 20     | 20 | 28,5   | 12     | 490    | <b>B</b> |
| 4714    | <b>PT 25/12/A H7</b>  | 25     | 12 | 6,7    | 12     | 354    | <b>A</b> |
| 4456    | <b>PT 30/16/A H17</b> | 30     | 16 | 17     | 12     | 553    | <b>A</b> |
| 4716    | <b>PT 35/12/A H17</b> | 35     | 12 | 16,6   | 12     | 475    | <b>A</b> |
| 1149    | <b>PT 40/10/A H17</b> | 40     | 10 | 17     | 12     | 445    | <b>A</b> |
| 4348    | <b>PT 40/12/A H17</b> | 40     | 12 | 17     | 12     | 535    | <b>A</b> |
| 4349    | <b>PT 40/12/B H17</b> | 40     | 12 | 17     | 12     | 535    | <b>B</b> |
| 4715    | <b>PT 45/10/A H17</b> | 45     | 10 | 16,6   | 12     | 497    | <b>A</b> |
| 4350    | <b>PT 50/10/A H17</b> | 50     | 10 | 17     | 12     | 548    | <b>A</b> |
| 4351    | <b>PT 50/10/B H17</b> | 50     | 10 | 17     | 12     | 548    | <b>B</b> |
| 3634    | <b>PT 60/10/A H17</b> | 60     | 10 | 17     | 12     | 645    | <b>A</b> |
| 4069    | <b>PT 60/10/B H17</b> | 60     | 10 | 17     | 12     | 645    | <b>B</b> |
| 4352    | <b>PT 70/7/A H17</b>  | 70     | 7  | 17     | 12     | 524    | <b>A</b> |
| 4353    | <b>PT 70/7/B H17</b>  | 70     | 7  | 17     | 12     | 524    | <b>B</b> |
| 4465    | <b>PT 80/7/A H17</b>  | 80     | 7  | 17     | 12     | 595    | <b>A</b> |
| 4380    | <b>PT 100/6/A H17</b> | 100    | 6  | 17     | 12     | 630    | <b>A</b> |
| 4354    | <b>PT 100/7/A H17</b> | 100    | 7  | 17     | 12     | 733    | <b>A</b> |
| 4355    | <b>PT 100/7/B H17</b> | 100    | 7  | 17     | 12     | 733    | <b>B</b> |

Material and available colors:

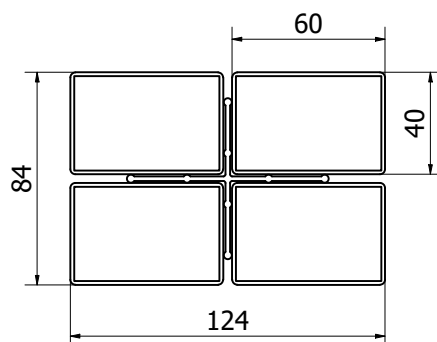
| Material                                                                            |                                        | Properties                           |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|
|  | Polypropylene (PP)                     | Hard plastic for galvanized profiles |
|  | Ethylene-vinyl acetate copolymer (EVA) | Soft plastic for painted profiles    |

The specially designed shape of the spacers ensures complete separation of the profiles in all planes. The smooth surface protects against deformation, corrosion, and scratching of the profile surfaces.



## Transport spacers for fence posts

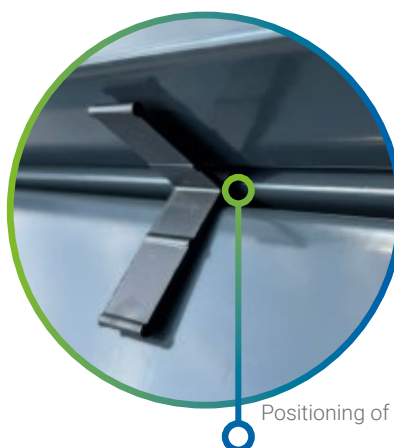
Spacer for posts transportation – cross-shaped **PT 40/4**



Material and available colors:

| Material                                                                                                                             | Colors                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP)<br>for galvanized products | <br>RAL 9005 |

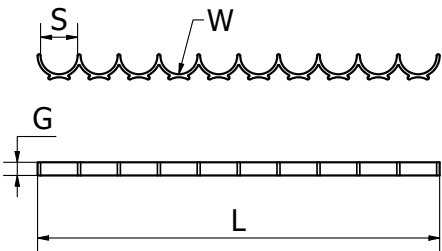
| ART. NO | TYPE           |
|---------|----------------|
| 1148    | <b>PT 40/4</b> |



Positioning of 4 posts 60×40 mm

# Spacer for round posts transportation **PTO**

**NEW**



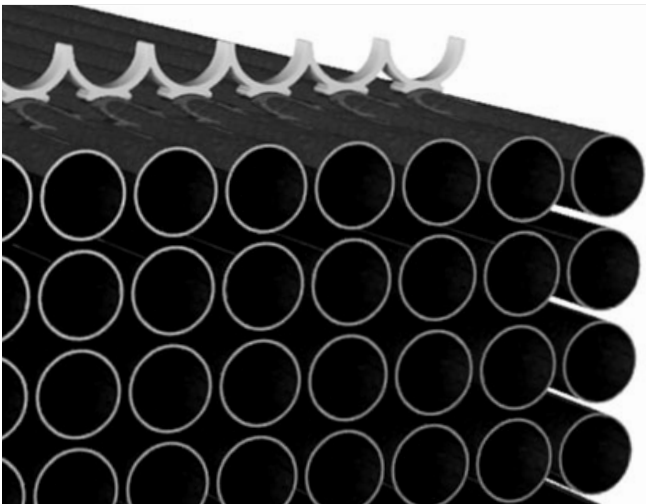
W - number of sections in the spacer  
G - spacer width

Material and available colors:

| Material                                                                                                | Colors                                                                                       |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>Natural |

| ART. NO | TYPE       | S [mm] | G [mm] | L [mm] | W         |
|---------|------------|--------|--------|--------|-----------|
| 4576    | <b>PTO</b> | 33,5   | 11,7   | 364    | <b>10</b> |

Safe transport of pipes. They prevent deformation during packing and storage.



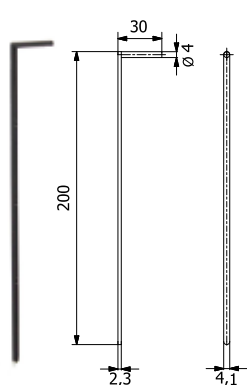
They reduce the occurrence of white rust.



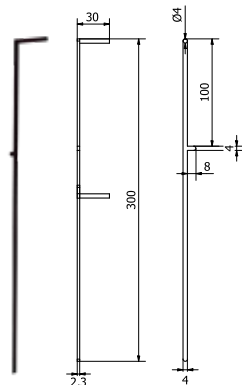
# Transport spacers for concrete slabs and hollow blocks

## Spacer for concrete slabs **PTB**

TYPE PTB200/30



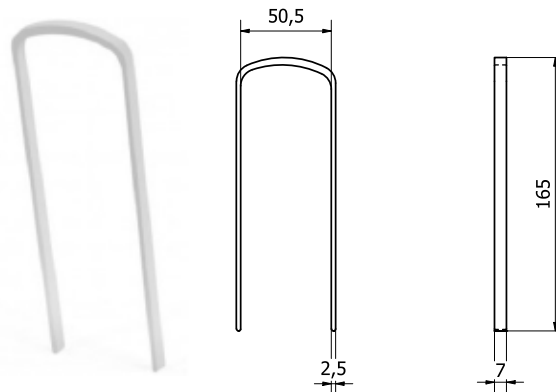
TYPE: PTB300/30



| ART. NO | TYPE             |
|---------|------------------|
| 3244    | <b>PTB200/30</b> |
| 4133    | <b>PTB300/30</b> |

## Spacer for concrete slabs **TYPE U**

TYPE: PTBU/NAT/50x150



| ART. NO | TYPE                    |
|---------|-------------------------|
| 4435    | <b>PTBU/NAT/50x150</b>  |
| 4730    | <b>PTBU/NAT/60x150*</b> |

\* Product in preparation

## Material and available colors:

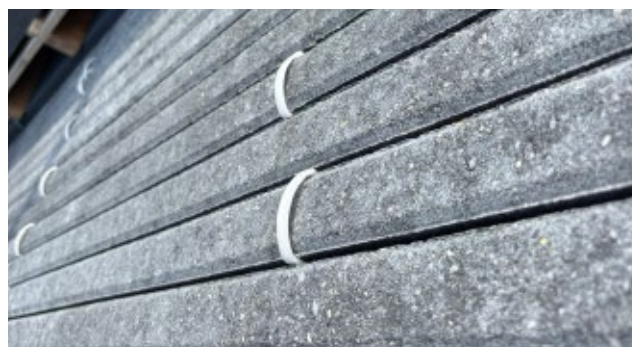
| Material                                                                                                  | Colors                                                                                            |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>RAL 9005 |
|                                                                                                           | <br>Natural  |



Shape adapted to concrete slabs.  
They protect the products from damage during transport.

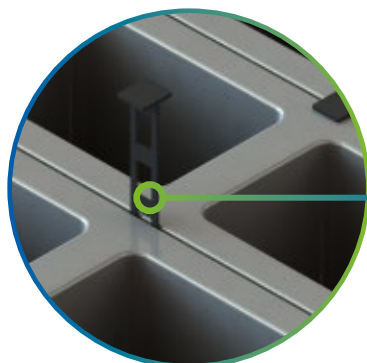
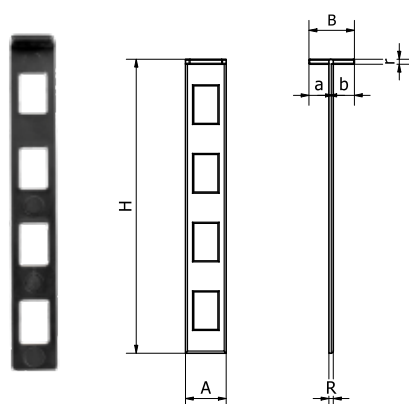
## Safety

They protect the left and right sides of the concrete slab, preventing any shifting.



# Transport spacers for concrete slabs and hollow blocks

## Spacer for hollow brick **PTPS**



Shape adapted to hollow blocks.  
The spacers protect the product from damage during transport.

| ART. NO | TYPE                          | A [mm] | B [mm] | H [mm] | R [mm] | r [mm] | a [mm] | b [mm] | REMARKS                   |
|---------|-------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
| 3390    | <b>PTPS16/140/16/gr.2</b>     | 19,5   | 35,3   | 140    | 2,1    | 2,4    | 16,8   | 16,4   | BLACK* (staining) / WHITE |
| 4114    | <b>PTPS16/140/16/gr.2/NAT</b> | 19,5   | 35,3   | 140    | 2,1    | 2,4    | 16,8   | 16,4   | Natural (non-staining)    |
| 4345    | <b>PTPS12/140/12/gr.5/NAT</b> | 19,0   | 29,3   | 143,7  | 4,8    | 2,3    | 12,4   | 12,4   | Natural (non-staining)    |

\* Note: Black spacers may leave black marks on light-colored concrete products.

## Properties:

guarantee of safe transport.

it is possible to manufacture spacers in any size and shape

## Material and available colors:

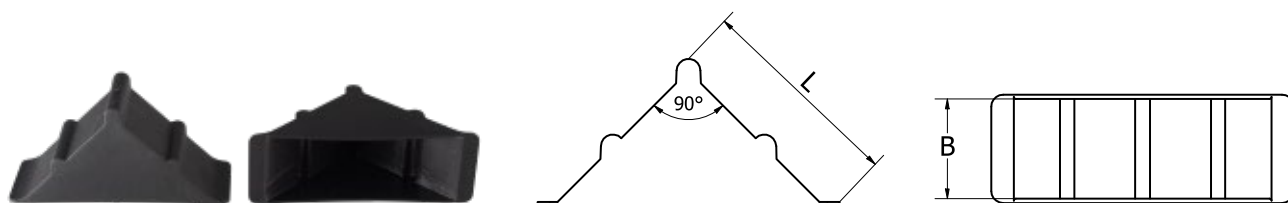
| Material                                                                                                    | Colors                                                                                            |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>RAL 9005 |
|                                                                                                             | <br>RAL 9002 |
|                                                                                                             | <br>RAL 7040 |
|                                                                                                             | <br>Natural  |

Spacers protect hollow blocks and concrete slabs from chipping during transport.

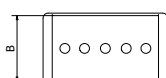




# Reinforced protective corner **NOW**



| ART. NO | TYPE                  | B [mm]  | L [mm] |
|---------|-----------------------|---------|--------|
| 3704    | <b>NOW 2-3/A</b>      | 2-3     | 50     |
| 4105    | <b>NOW 3/B</b>        | 3       | 50     |
| 3705    | <b>NOW 3-4/30/A</b>   | 3-4     | 50     |
| 3706    | <b>NOW 3-4/50/A</b>   | 3-4     | 50     |
| 4085    | <b>NOW 4/B</b>        | 4       | 47     |
| 3707    | <b>NOW 4-5/A</b>      | 4-5     | 50     |
| 4086    | <b>NOW 5/B</b>        | 5       | 47     |
| 3708    | <b>NOW 5-6/A</b>      | 5-6     | 50     |
| 4087    | <b>NOW 6/B</b>        | 6       | 47     |
| 3709    | <b>NOW 7-8/A</b>      | 7-8     | 50     |
| 4073    | <b>NOW 8/B</b>        | 8       | 47     |
| 3710    | <b>NOW 9-10/A</b>     | 9-10    | 50     |
| 4088    | <b>NOW 10/B</b>       | 10      | 50     |
| 3711    | <b>NOW 11-12/A</b>    | 11-12   | 50     |
| 4437    | <b>NOW 12/B</b>       | 12      | 50     |
| 3712    | <b>NOW 15-16/A</b>    | 15-16   | 50     |
| 3713    | <b>NOW 18/A</b>       | 18      | 50     |
| 3714    | <b>NOW 19-20/A</b>    | 19-20   | 50     |
| 3715    | <b>NOW 21-22/A</b>    | 21-22   | 50     |
| 3716    | <b>NOW 25/A</b>       | 25      | 50     |
| 3717    | <b>NOW 25-26/A</b>    | 25-26   | 50     |
| 3718    | <b>NOW 28,5-30/A*</b> | 28,5-30 | 50     |
| 3719    | <b>NOW 32-33/A</b>    | 32-33   | 50     |
| 3720    | <b>NOW 39-40/A*</b>   | 39-40   | 50     |
| 4110    | <b>NOW 40/B</b>       | 40      | 60     |
| 3721    | <b>NOW 49-50/A</b>    | 49-50   | 50     |



\* It has 5 ventilation holes with a diameter of 6 mm, which prevent the product from becoming damp during transport.

## Properties:

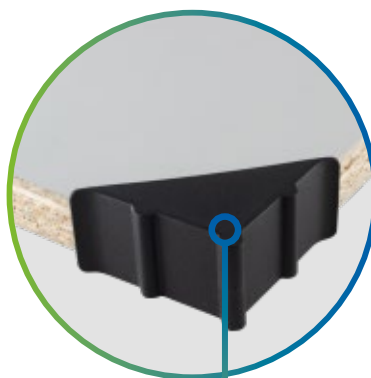
They protect the edges of transported products.

Corners are ideal for situations where the edges of transported products require extra protection.

They allow the handling of slabs and glass without the risk of chipping.

## Material and available colors:

| Material                                                                                                   | Colors                                                                                            |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <br>Polypropylene (PP) | <br>RAL 9005 |
|                                                                                                            | <br>Natural  |



Corners protect the edges of transported elements while allowing them to be positioned vertically and horizontally, maintaining a safe distance from the ground.

Note:

A – has a central side reinforcement.

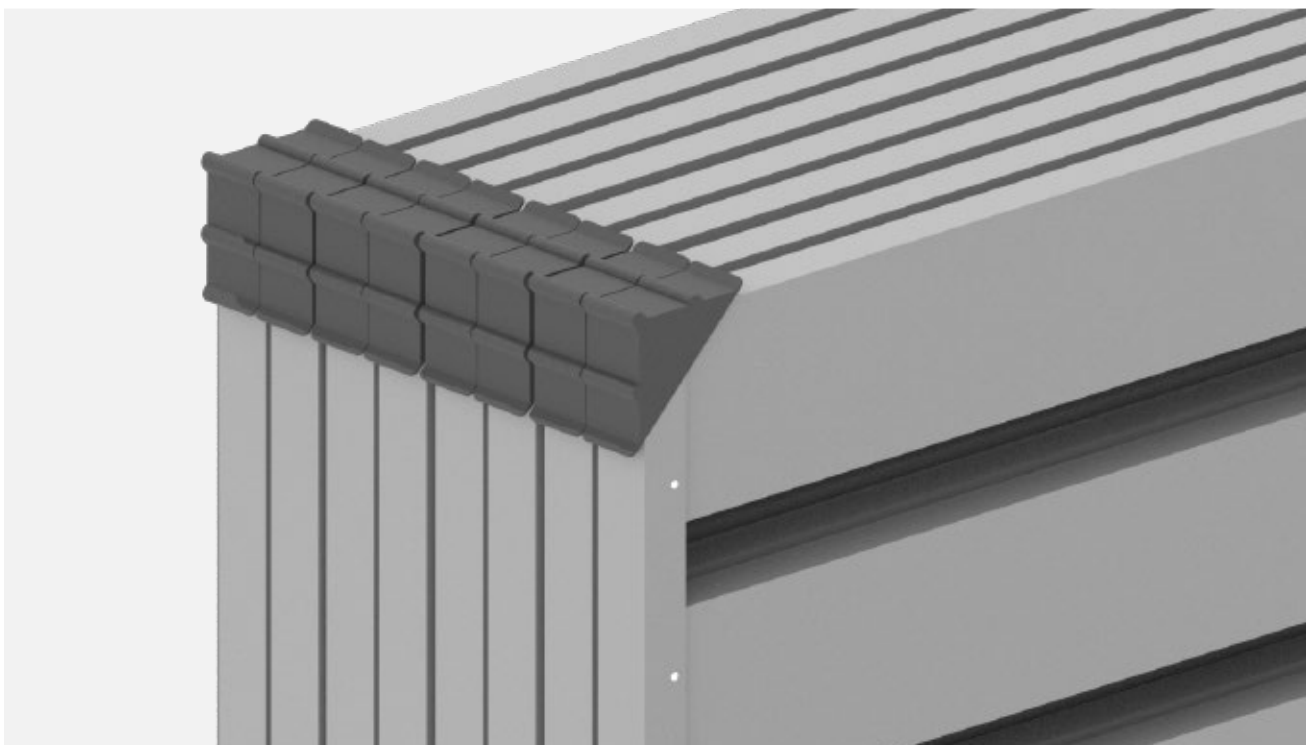


B – does not have a central side reinforcement.





The protrusions reinforce the corner's edges and create additional spacing, protecting the stacked products from damage.



## Other transport accessories in the offer

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Label for product labeling **ET**



Square corner protector **NOK**



Internal tapered plug **ZSW**



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### Hand knobs, inserts, handles



### Accessories for furniture production



### Gate accessories



### Fence installa- tion accessories



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mobile: +48 696 172 856  
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#### SCAN AND SEE

Other accessories made of plastics  
and metal.