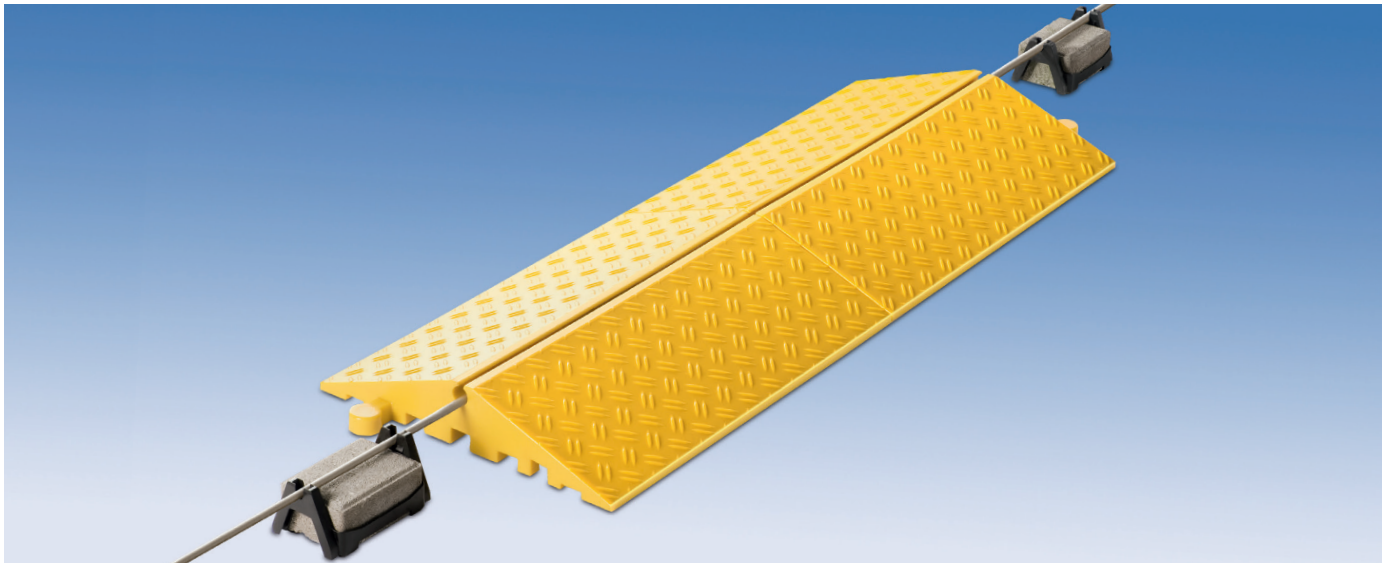


## Type BB1X20



### Minimal Effort – Large Impact ...

The BB1X20 represents innovation in the field of lightning protection.

#### Challenge:

Most buildings with flat roofs have lightning protection systems that are installed at an interval to the roof using special fastening technology. These lightning protection systems are frequently subject to damage because escape paths and operational routes lead across the roof. Damaged lightning conductors are functionally impaired, with repairs or potential damage usually proving to be costly.

**ELSPRO Solution:** ELSPRO lightning protection alleviates tripping hazards on flat roofs.

- no maintenance costs
- escape paths and operational routes are defined and clearly marked as such

### Technical Data

- 1 passage channel, 20 mm in diameter
- material: special polyurethane OLAPRENE
  - high resistance to hydrolysis and microbes
  - strong ozone- and UV-resistance
  - specially designed for low-temperature applications
  - highest possible dynamic load-bearing capacity
  - elaborate annealing method (see description on reverse side)
- temperature-resistant from -35° C to +80° C
- non-slip surface with corrugated structure
- color: danger identification yellow

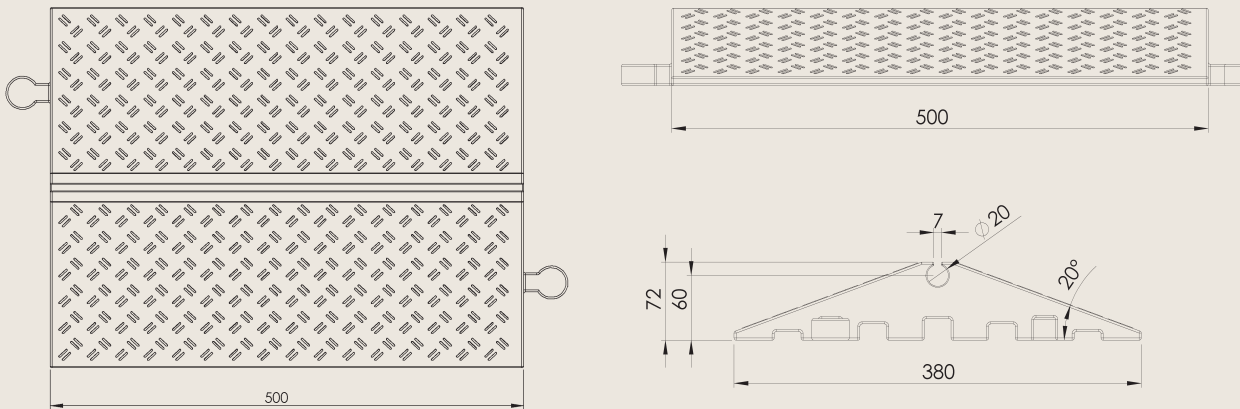
Description	Dimensions (L x W x H)	Weight	Gradient Angle	Order No.
Bridge piece	500 x 380 x 72 mm	6.40 kg	ca. 20°	<b>BB1X20</b>



– subject to modification and errors –

# ELSPRO Lighting Protection Bridge for Securing Lightning Rods on Flat Roofs

## Type BB1X20



Length: 500 mm  
Width: 380 mm  
Height: 72 mm  
Weight: 6.40 kg

Channels:  
1 x Ø 20 mm

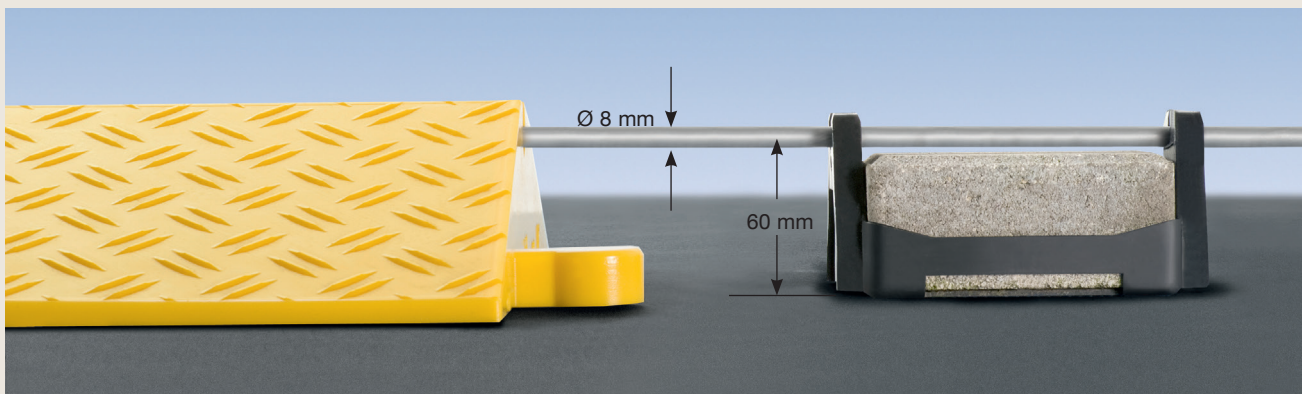
### FEATURES AND QUALITIES:

- expected service life of  $\geq 12$  years without any loss of quality
- high UV resistance
- high temperature resistance
- accommodates high water load
- hazard identification yellow
- light and easy handling thanks to practical size
- compatible with standard lightning protection systems (8-10 mm round wire)
- patent pending

### Production Methods:

1. the liquid components are placed under vacuum (no air pockets) at 95°C to facilitate a reaction
2. the prepared liquid raw material is poured into aluminum forms
3. the form sections are then annealed in special tempering ovens for at least 16 hours at 100°C
4. the annealing process induces a process of artificial ageing in order to achieve the desired physical properties

In the case of existing systems with 8 mm of round conductor wire, the bridge is slid under the conductor and the round wire is lowered into the recess with minimal pressure. That's all! Any unintentional or independent loosening of the round conductor is not possible due to the slightly narrowed opening!



– subject to modification and errors