# Data sheet - series AM

**PRODUCT‘ SPECIFICATION**

SK H2O protec expansion waterstop series AM according to DIN 7865, part 1 and 2 is a permanently flexible profile with middle tube made of elastomer, SBR or EPDM, that is used to seal construction joints in waterproof concrete structures with high water pressures.

**Characteristics / Advantages**

- high tensile strength and elongation at break
- high permanent flexibility and high-load bearing capacity
- suitable for water pressure and large settlings
- resistant to all natural media acting aggressively to concrete
- resistant to a wide range of chemical substances (tests required for each additional specific situation)
- resistant to bitumen
- supply of systems for easy handling on site
- vulcanizable by using butt joints on site

**Application**

- joint sealing in concrete structures
- expansion joint sealing system for in-situ concrete

Typical structures

- commercial buildings, cellars, bridges, trough and bridge constructions
- rail tunnels and road tunnels
- water construction plants

# Data sheet - series AM

| | |
|---|---|
| **Standards / Directives** | ▪ DIN 18197<br>▪ DIN 7865, part 2<br>▪ WU-Directives DAfStb<br>▪ ZTV-ING, Riz-Ing<br>▪ Vulcanizing instructions |
| **Test certificate / Approvals** | ▪ latest manufacturer's test certificate<br>▪ certificate of conformity - DIN 7865<br>▪ external monitoring by MPA NRW<br>▪ internal monitoring |

**PRODUCT DATA**

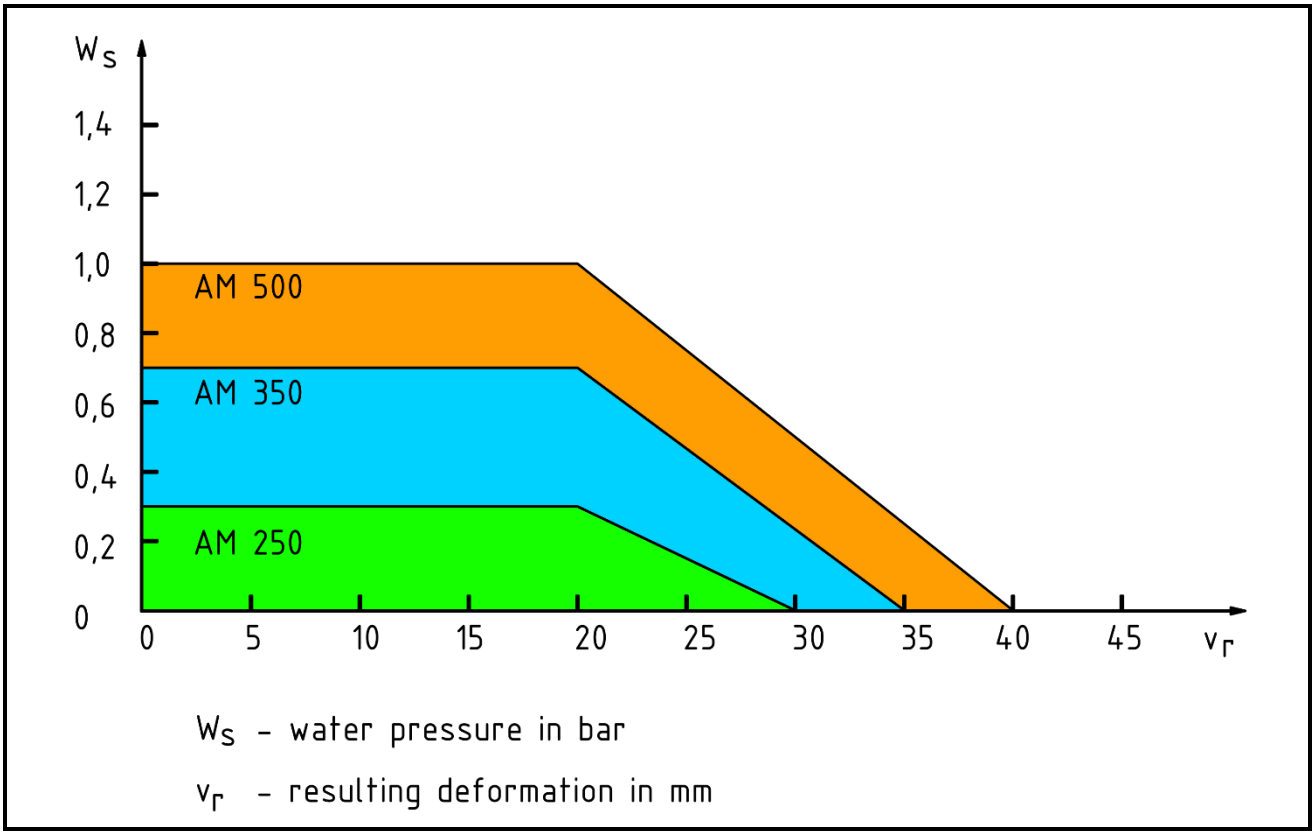
| | |
|---|---|
| **Material** | ▪ SBR elastomer (styrene butadiene rubber)<br>▪ EPDM elastomer (ethylene-propylene-diene monomer) |
| **Colour** | ▪ black |
| **Packaging** | ▪ supplied as standard rolls (25 m), pre-cut parts and systems |

# Data sheet - series AM

| **MECHANICAL PROPERTIES according to DIN 7865, Part 2** | |
|---|---|
| **Shore A hardness** | 62 ± 5 |
| **Tear strength** | ≥ 10 MPa |
| **Elongation at break** | ≥ 380 % |
| **Compression set** | 168h / 23°C ≤ 20%<br>24h / 70°C ≤ 35% |
| **Tear propagation resistance** | ≥ 8 kN/m |
| **Performance after heat ageing** | Shore A hardness change ≤ 8<br>Tear strength ≥ 9 MPa<br>Elongation at break ≥ 300% |
| **Low temperature performance** | ≤ 90 Shore A |
| **Tension set** | ≤ 20% |
| **Performance after conditioning in hot bitumen** | Residual deformation < 20%<br>Tear strength ≥ 7 MPa<br>Elongation at break ≥ 300% |
| **Performance after ozone ageing** | No cracks |

# Data sheet - series AM

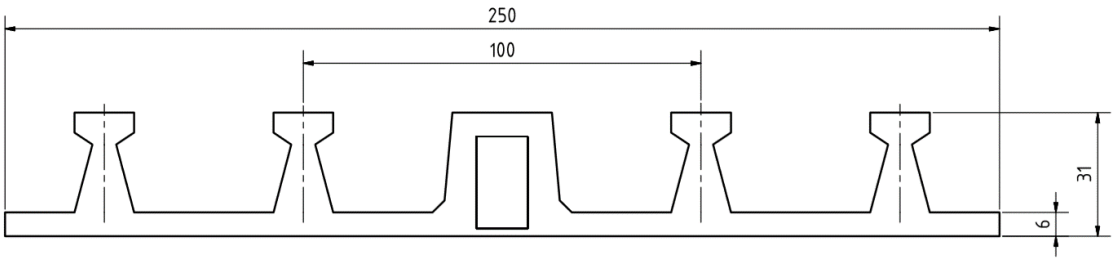
## Selection diagram
for waterstops acc. to DIN 7865

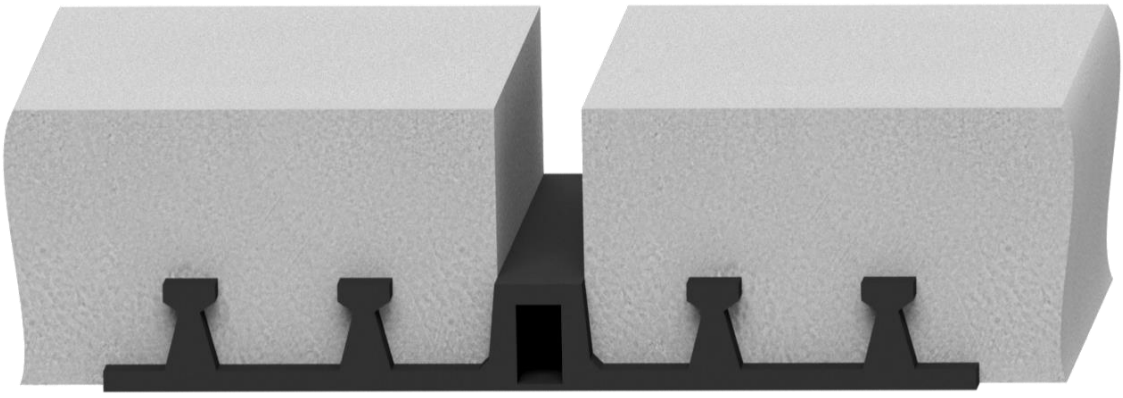



excerpt from DIN 18197:2018-01

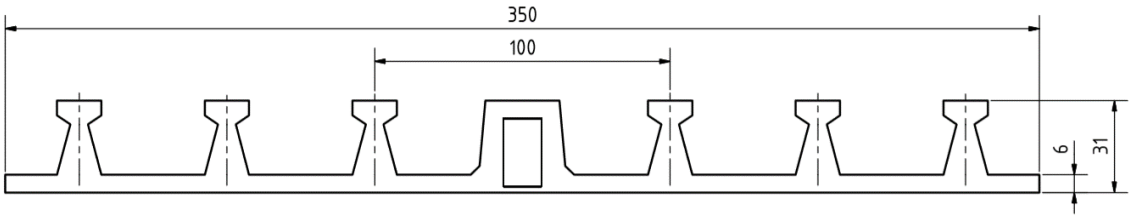
# Data sheet - series AM

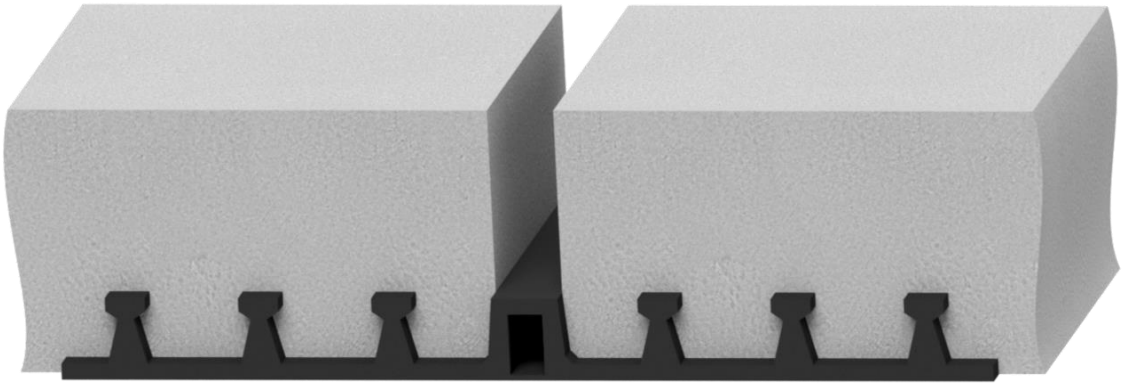
AM 250



AM 350

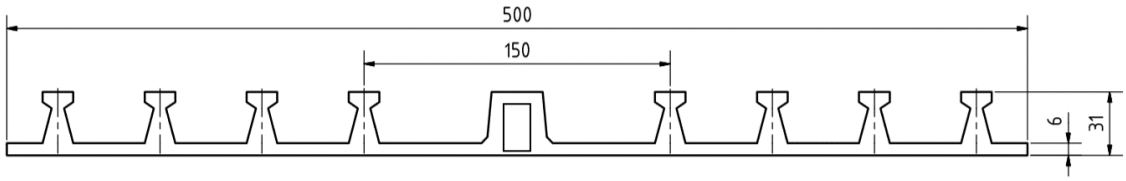


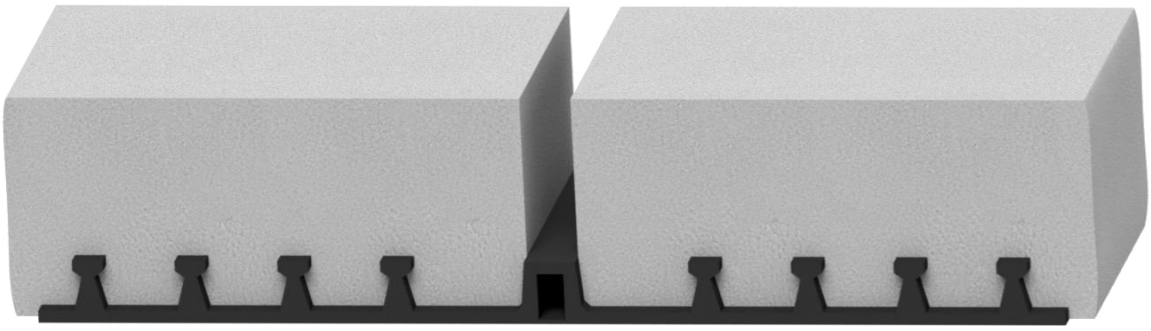



All dimensions in mm

# Data sheet - series AM

AM 500



All dimensions in mm