

I 20-5 TYPE WATERSTOP

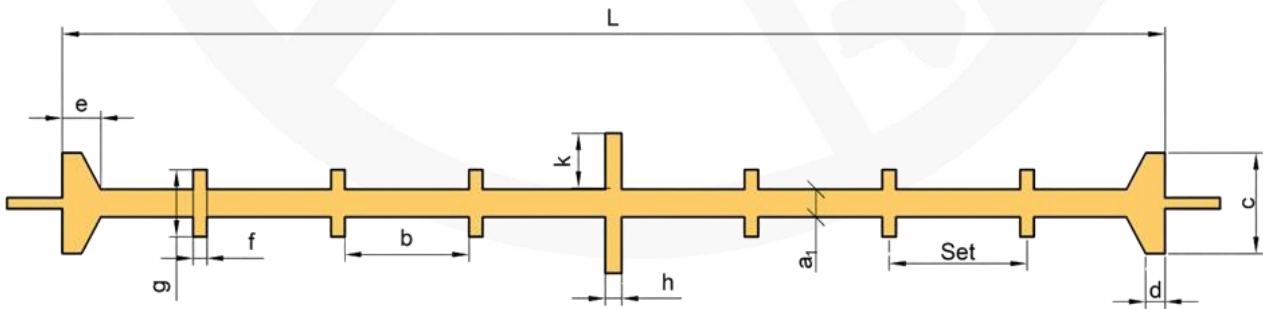
- It is used at the joints of raft foundation - raft foundation, raft foundation - shear wall or shear wall - shear wall in structures exposed to low and high water pressure in full and partial contraction joints.
- Waterstops can be joined to each other by heat (thermal) welding (150 °C - 180 °C).



TECHNICAL DATA

General Application Areas of Waterstop

- Dams,
- Irrigation canals,
- Water tanks, reservoirs,
- Water purification plants,
- Swimming pools,
- Docks Transmission tunnels,
- Hydroelectric power plants,
- Bridges,
- Metro constructions,
- Viaducts,
- Retaining walls,
- Slabs on ground and foundations,
- Industrial structures.



| Product Code | L | a ₁ | b | Set Quantity | c | d | e | f | g | h | k | Production Length |
|--------------|---------|----------------|----|--------------|--------|---|---|---------|--------|---|--------|-------------------|
| I 20-5 | 200 ± 3 | 5 ± 0.5 | 25 | 6 | 18 ± 2 | 4 | 8 | 3 ± 0.5 | 13 ± 1 | 3 | 12 ± 2 | 20 meters |

Waterstop dimensions are in millimeters.

Mechanical Properties

| Analysis | Basic requirement | | Unit | Standard | |
|--|--|-------------------|------------------------------|-------------------|---------|
| Tensile strenght (σ_0) | Average value | At least 14 | N/mm ² | TS 3078 | |
| | Smallest value | At least 12 | N/mm ² | TS 3078 | |
| Elongation rate at break (ϵ_0) | Average value | At least 225 | % | TS 3078 | |
| | Smallest value | At least 200 | % | TS 3078 | |
| Type A Shore durometer hardness rating (H_0) | | 75 ± 5 | Shore A | TS 3078 | |
| Unit volume mass (d) | | 1.27 ± 0.04 | g/cm ³ | TS 3078 | |
| Water absorption rate by mass (s) | | Maximum 1.5 | % | TS 3078 | |
| After aging | Tensile strenght | σ_1 | Maximum 0.80 x σ_0 | N/mm ² | TS 3078 |
| | | Rate of change | Maximum 20 | % | TS 3078 |
| | Elongation rate at break | ϵ_1 | At least 0.80 x ϵ_0 | % | TS 3078 |
| | | Rate of change | Maximum 20 | % | TS 3078 |
| | Type A Shore durometer hardness rating | H_1 | $H_0 \pm 5$ | Shore A | TS 3078 |
| | | Amount of change | ± 5 | Shore A | TS 3078 |
| Residue fraction by mass (k) | | Maximum 5.0 (m/m) | % | TS 3078 | |