

## TBSD24

### TECHNICAL DATA SHEET (TDS)

#### Description

Hydroswell TBSD24 consists of hydrophilic water swellable synthetic rubber. It expands in contact with water to form an external an external watertight seal for tie bolt sleeves.

Designed to seal tie bolt sleeves against water tracking along the outside of tie bolt sleeves.

For internal sealing of hollow tie bolt sleeves use Hydroswell TBP22.

Penetrating water in contact with TBSD24 will immediately be stopped by the expansion of the hydrophilic material.



#### Advantages

- Simple and easy to use.
- Seal guarantees 100% waterproof.
- Works in conjunction with Hydroswell TBP22 is simple to use.
- Installation in one single move, slide over the tie bolt sleeve.
- No finishing or after treatment required.

#### Application

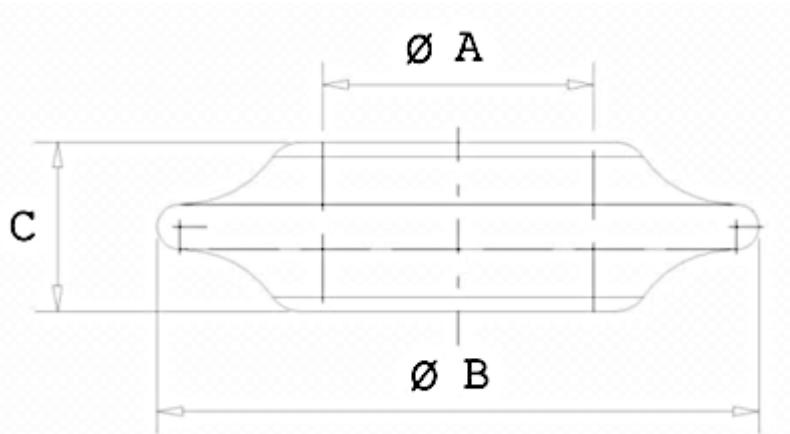
- Should be installed in the midpoint along the outside of the tie bolt sleeve. It must have a minimum concrete cover of 70 mm.
- Wetting the tie bolt sleeve will make the installation easier.
- Due to its composition each Hydroswell TBSD24 can be installed on sleeves of between 24mm & 30mm diameter.
- Installation of the product under continuous rain should be avoided since early activation might occur.
- If early activation occurs, the product will return to its original dimensions once dry.



### Technical Data

Hardness	± 25° Shore A
Tensile strength	>2MPa
Ultimate elongation	>300%
Service temperature	- 50°C / + 70°C
Swelling capacity in rain water	500%
Swelling capacity in concrete water	400%
Swelling capacity in salt water	200%
Weather resistance	Excellent
Chemical resistance	Good overall chemical resistance, but care should be taken with aromatic oils, fuels with vegetal oils and strong aromatic solvents. Contact your SMR Projects Technical representative for further information.

### Dimensions



A	Int. Ø 24mm
B	Ext. Ø 53.5mm
C	Width 15mm

Compatible with spacer sizes	24mm – 30mm
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### Packaging

50 pieces per bag  
700 pieces per box (14 x 50bags)

### SAFETY

The safety datasheet of Hydroswell TSBD24 is available on request at [info@smrxypex.co.uk](mailto:info@smrxypex.co.uk)