# KÖSTER One-Day-Site Packer 13 mm x 90 mm CH

**Technical Data Sheet IN 918 001**

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Volker Knecht, pull out testing according to DAfStb guideline for protection and renovation of concrete structures 2001, ZTV-ING 2003

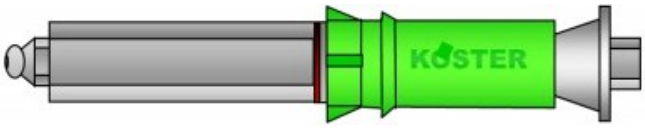
## Injection Packer for injecting KÖSTER IN Resins and KÖSTER Mautrol / Mautrol Flex 2C

### Features

The KÖSTER One Day Site Packer forms a cone in the area of the green rubber gasket that ensures that the anchoring pressure is applied deep within the drill hole. This creates a higher pull out resistance and less of a chance of the packer cracking the drill hole walls. An extra one way valve at the base of the KÖSTER One Day Site Packer and a locking ring that keeps the rubber gasket under constant pressure enables the removal of the spanner before the injection material has cured and ensure a “one day” installation. Four fins and two ridges on the rubber gasket prevent rotation of the packer during tightening and thereby facilitate optimal fixation of the packer in the drill hole. KÖSTER One Day Site Packers do not have a pre-determined breaking point. The spanners are to be screwed off after use.

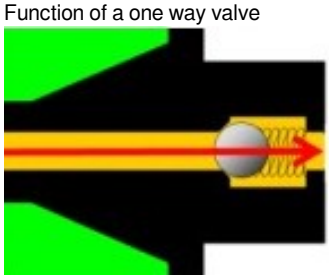
### Technical Data

| | |
|---|---|
| Material | Galvanized metal, rubber |
| Diameter | 13 mm |
| Length | 90 and 120 mm |




One way valve | Spanner | Locking ring | Rubber gasket | One way valve

Function of a one way valve



Injection material entering the one way ball valve chamber pushes the return ball towards the end of the chamber. After injection the residual pressure or the spring pushes the return ball back against its seat and stops undesired material loss.

### Delivery form

| | |
|---|---|
| With cone head | KÖSTER One Day Site Packer 13 x 90 mm |
| | KÖSTER One Day Site Packer 13 x 120 mm |
| With pan head fitting | |
| | KÖSTER One Day Site Packer 13 x 90 mm |
| | KÖSTER One Day Site Packer 13 x 120 mm |

### Fields of Application

KÖSTER Superpackers are suitable for crack injection and for area injections using pressurized injection equipment.

### Application

Holes are generally drilled with 10 – 15 cm spacing, depending on the substrate thickness and crack geometry. After drilling a KÖSTER One Day Site Packer is installed at least 5.5 cm deep into the drill hole. The gasket of the packer is tightened by turning the hexagonal part of the packer clockwise first by hand and then using a wrench until the packer is fixed firmly in the hole. By turning the hexagonal spanner, the rubber gasket is pushed onto the cone shaped flange in the gasket section and pressed onto the walls of the drill hole so that a tight seal is achieved. Injection is then carried out. The spanner can be removed immediately after injection and the drill hole sealed with KÖSTER KB-Fix 5.

### Cleaning

KÖSTER One Day Site Packers are non re-usable.

### Packaging

| | |
|---|---|
| IN 918 001 | 13 mm x 90 mm |

### Storage

When stored cool and dry there is no limited storage life.

### Related products

| | |
|---|---|
| KÖSTER IN 1 | Prod. code IN 110 |
| KÖSTER 2 IN 1 | Prod. code IN 201 |
| KÖSTER IN 2 | Prod. code IN 220 |
| KÖSTER IN 3 | Prod. code IN 230 |
| KÖSTER KB-Pox IN | Prod. code IN 231 |
| KÖSTER IN 4 | Prod. code IN 240 |
| KÖSTER IN 5 | Prod. code IN 250 |
| KÖSTER IN 7 | Prod. code IN 270 |
| KÖSTER Injection Barrier | Prod. code IN 501 025 |
| KÖSTER Superpacker 13 mm x 115 cm CH | Prod. code IN 915 001 |
| KÖSTER Mautrol 2C | Prod. code M 261 |
| KÖSTER Mautrol Flex 2C | Prod. code M 262 020 |

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

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