

# DATASHEET

## ECOSTEP STEP RUNGS

### NP90

ecostep

Art.-Nr.: 110137

<b>Core Material</b>	Stainless Steel 1.4541 (SSS)
<b>Type, Class</b>	D, I
<b>Color</b>	Orange
<b>Dowel Distance</b>	330 mm
<b>Leg Length</b>	207 mm

<b>Weight</b>	1,15 kg
<b>Coating</b>	Plastic (PP)
<b>Packaging</b>	600 pieces/crate
<b>Applicable Standard</b>	EN13101

## PRODUCT ADVANTAGES

- completely covered with plastic for total corrosion protection
- superior pull-out resistance, in excess of recommended safety standards
- spark proof
- extra wide step width (300 mm)
- plastic has increased impact strength
- no sharp edges
- non-slip surface



## INSTALLATION

### 1) Automatic insertion of manhole steps:

- Manhole steps are inserted directly into the core by using the Schlüsselbauer Stepmaster, which allows them to be securely imbedded in the concrete shaft structure.

### 2) Dowels set in concrete:

- Dowels are imbedded in the concrete shaft structure at the right distance using hydraulic or magnetic dowel holders in the core of the manhole. Steps are then hammered in.

### 3) Mechanical pre-punching:

- Holes are formed in the manhole structure using mandrels (hydraulic or magnetic manhole step pre-punching in the core of the manhole mould). Steps are then hammered in.

### 4) Manual pre-punching (subsequent installation):

- Holes should be drilled with a horizontal distance of 330 mm and a diameter of 25 mm. Steps are then hammered in.

### Please consider the following when hammering-in the manhole steps:

Alternate hits at leg height on the left and right front surfaces with a dead-blow rubber mallet.

