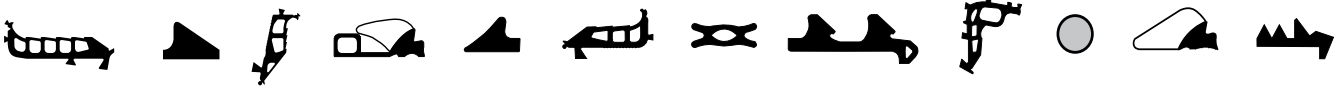
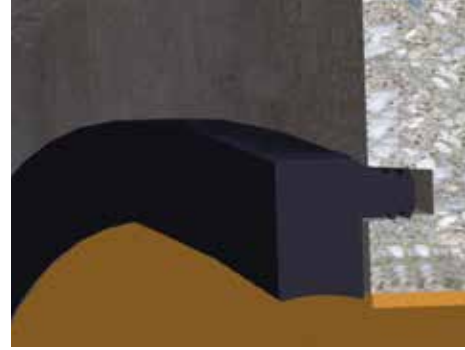


PRODUCT DATA SHEET  
**DS BKU-PROFILE**



DS BKU-profile is a compressible pad for the closure of press joints of concrete or reinforced concrete sewage pipe lines with BKU inliner or similar pipe lining. DS BKU-profile is in accordance with the requirements of DIN EN 681-3 (seals made from cellular elastomers).

By using the DS BKU-profile you can avoid:

- Crunch sitting of pipe connections during laying and thereby causing pipe damages following later pipe movements.
- Corrosion damages in the area of the joint concrete by sewage and sewer gas and acids.
- Clamping of locking materials in the joint and a reduction of useable hydraulic cross section.

### SPECIAL ADVANTAGES

- DS BUK-profile is an easy mountable joint closure for pipes with BKU inliner or similar.
- By its profile foot the DS BUK-Profile sits securely in the joint even under low compression.

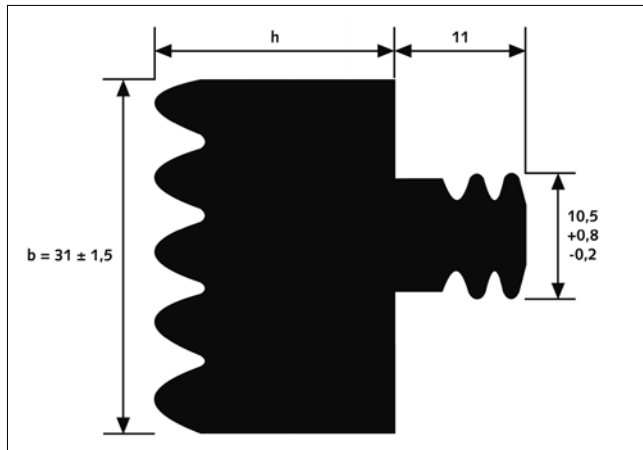
### MATERIAL

DS BUK-profile is produced from closed cellular styrene-butadiene rubber (SBR). The SBR material resists the usual stresses caused by sewage.



## PROFILE DIMENSIONS AND INSTRUCTIONS FOR PROFILE SELECTION AND PIPE LAYING

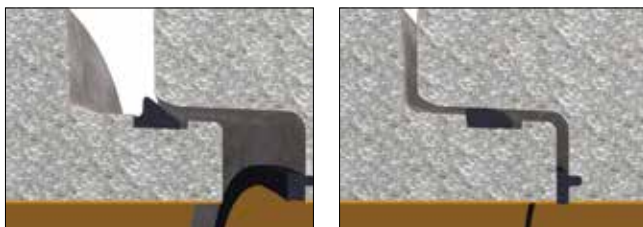
(All dimensions in mm)



BKU Profile Dimensions 1) b x h in mm	Tolerance h in mm	Suitable for press joint after laying <sup>2)</sup> in mm	Compression forces for mean gap <sup>3)</sup> in KN/m
12 x 28	± 1,0	8 ± 1,5	8
17 x 28	± 1,2	11 ± 2,0	9
31 x 25	± 1,5	16 ± 4,0	10

- 1) The size of the DS PP Profile depends on the dimensions and the design of the socket and the pipe diameter DN. In some cases the sealing function of the main seal has to be shown for the maximum press joint
- 2) Changes of the press joint width due to unparallelism plus mounting have to be less or equal to the tolerances stated.
- 3) The reaction loads of DS PP Profile have to accommodate during the laying of the pipes. Suitable measures have to be taken.

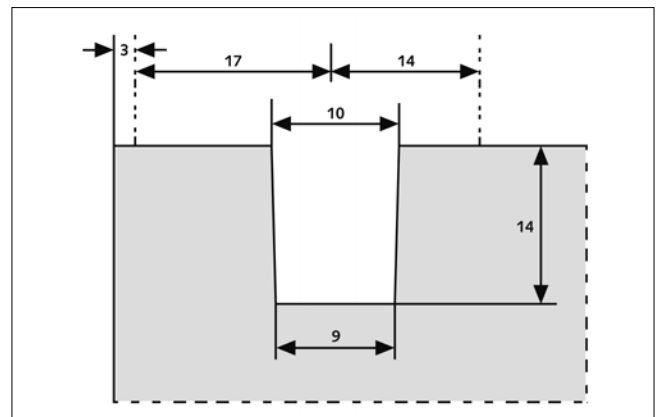
Other cross sections on request.



## GROOVE DESIGN AND REQUIREMENTS ON THE PREFABRICATED PARTS

(All dimensions in mm)

- In the socket face a groove for the acceptance of the profile foot is necessary. Normally the groove is casted from tar-free polyurethane (PUR) to the PVC inliner (groove dimensions see drawing).
- The spigot end receives a sealing area pouring of tar-free polyurethane in the area of the DS BKU Profile.
- Unparallelism of pipe fronts has to be very small. It should be maximum half as big as the allowed joint width tolerance.



## INSTALLATION TIPS

For the mounting of the DS BKU Profile it is good enough just to stick the profile foot into the groove. In the case of pre-mounting in the factory, it is recommended to use DS contact adhesive to glue it to the pipe.

## DELIVERY

DS BKU Profile is delivered as a cord or as a prefabricated ring:

- As a cord DS BKU Profile has to be cut exactly and the junction has to be glued joint carefully (DS contact adhesive).
- The cut length is equal to the length of the groove middle line. (With prefabricated rings the cut length tolerance is + 0.5% of the printed length.)

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**DS**<sup>+</sup>  
DICHTUNGSTECHNIK