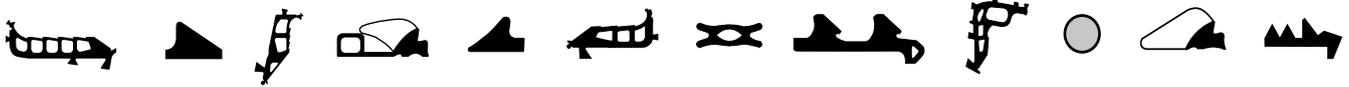
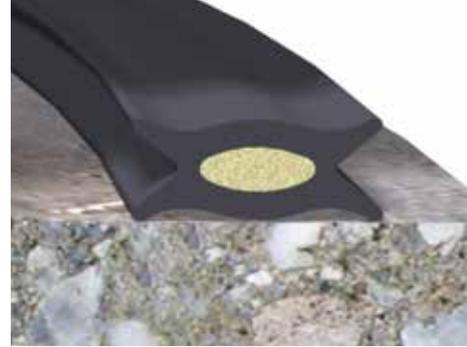


# PRODUCT DATA SHEET

## DS TOPSEAL BASIC



DS TOPSEAL Basic is a flat closed hose – filled with fine quartz sand – which largely levels out the unevenness of concrete manhole rings and transfers traffic and static loads on the bearing at the spigot end.

- DS TOPSEAL Basic takes over the function of the even and not springy load transfer between all manhole prefabricated components as required by DIN V 4034-1.
- DS TOPSEAL Basic levels out the unevenness between manhole rings through a local movement of the fine quartz sand within the hose.
- DS TOPSEAL Basic is separately delivered to the site as a closed ring by the manufacturer of the manhole rings and then it is laid on the outer face of the spigot end before insertation (partly also pre-mounted by gluing).
- DS TOPSEAL Basic is not a seal and is only used in combination with appropriate manhole seals, for example DS SG, DS SDV-Balloon, DS BS 2000 or DS BL-S.

### SPECIAL ADVANTAGES

- Levels out the permitted unevenness of manhole rings according to DIN V 4034-1.
- Avoids point supports.
- Reduces peaks of pressure and increases the security of the whole construction.
- No mixing or application of mortar necessary.
- Increased efficiency through shorter mounting time.
- DS TOPSEAL Basic can be used in any weather condition.
- In case of repairs manhole rings are demountable without problems and reusable.
- Requires no changes to the concrete manhole rings.

### MATERIAL

Elastomer hose ring, resistant to sewage water with a hardness of 40+5 IRHD. Tightly filled with dried quartz sand, grain size 0.1 – 0.4 mm

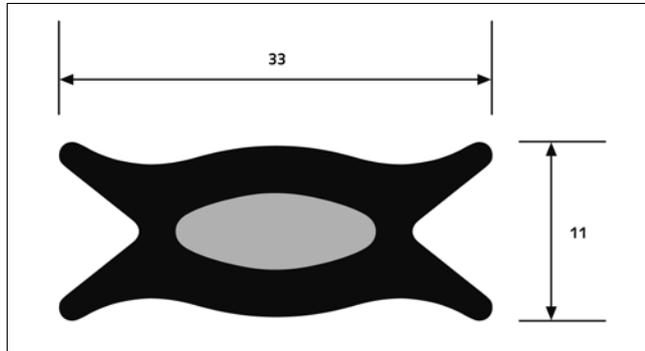
Geprüfte Statik am  
Gesamtbauwerk und  
Traglastversuch an  
Schachtringen



## DIMENSIONS

| DN   | DN Ring diameter (mm) |
|------|-----------------------|
| 1000 | 1195                  |
| 1200 | 1400                  |
| 1500 | 1750                  |
| 2000 | 2245                  |
| 2500 | 2750                  |

Smaller and larger DN on request



## LOAD TRANSFER BETWEEN MANHOLE RINGS

DS TOPSEAL Basic fulfils the requirements of DIN V 4034-1 with regard to a proven static and connected investigation of load capacity.

“Manholes have to be constructed under consideration of DIN EN 1610, ATV-DVWK-A 139 and ATV-DVWK-A 157. An even and not springy vertical load transfer between all manhole rings always has to be ensured. The load transfer layer has to be formed in such a way that a distance between manhole rings on the inner side of the manhole is not higher than 15 mm.”

## MANHOLE RING ASSEMBLY

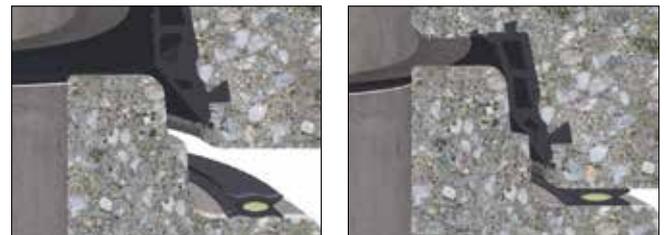
- Lay DS TOPSEAL Basic with its flat side approximately in the middle on the outer spigot end face
- The supplied separately sealant is applied on the spigot end or is already built into the socket of the next manhole ring. DS Lubricant is applied if the seal is not equipped with its own lubricant
- The next manhole is placed centrally and vertically hanging.

## EXAMPLE

### DS SDV-Balloon + DS TOPSEAL Basic



### DS BS 2000 + DS TOPSEAL Basic



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