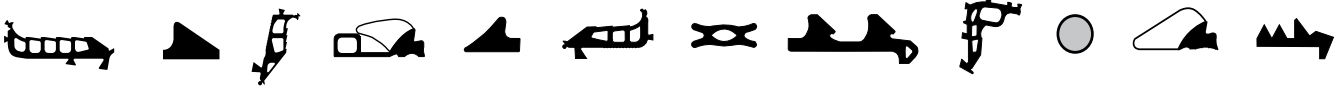


DS DFP - SEALING SURFACE PROFILE



DS Sealing Surface Profile is an integrated formwork element out of elastomer with dense structure according to DIN EN 681-1/ DIN 4060 for the use in sockets of manhole rings according to DIN EN 1917 and DIN V 4034-1 for the attainment of sockets without air bubble holes.

- DS Sealing surface profiles are concreted in the concrete factory watertight into the socket of the manhole component.
- DS Sealing Surface Profile is tightly integrated into the concrete of the socket of manhole rings.
- DS Sealing Surface Profile completely lines the socket, and prevents voids and air bubble holes due to assembly, in the relevant area of sealing of the manhole socket.
- DS Sealing Surface Profile avoids leakage at the socket side of the manhole component.
- DS Sealing Surface Profile helps to reduce forces needed for assembly.
- DS Sealing Surface Profile makes sure that subsequent, difficult adjustment to the manhole ring socket is unnecessary.
- DS Sealing Surface Profile ring is mounted under pre-tension onto the normal socket ends according to DIN 4034-1.
- DS Sealing Surface Profile can be used without problems in combination with all separate manhole seal rings: DS SDVseal, DS SGseal, DS SDV-Balloon, and DS SG.

SPECIAL ADVANTAGES

- High water tightness security thanks to the completely lined socket:
- No new socket ends necessary:
- Easy mounting without difficult subsequent adjustment work.

MATERIAL

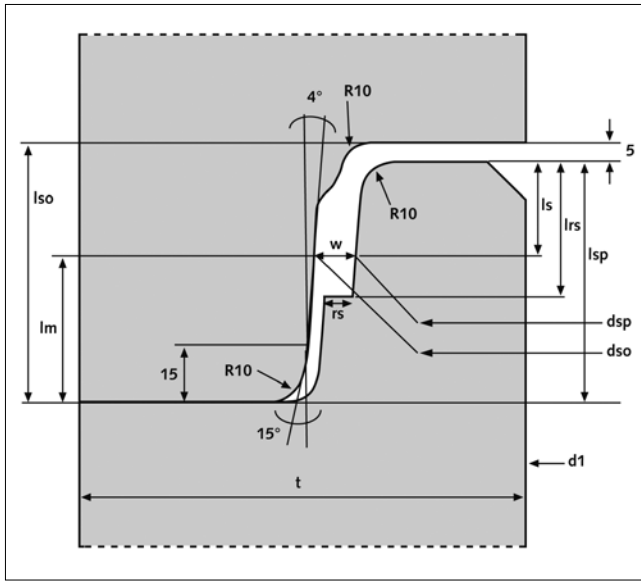
DS Sealing Surface Profile is produced from styrene butadiene rubber (SBR), hardness 60±5 IRHD. The material resists the usual stresses caused by sewage.



MANHOLE COMPONENT REQUIREMENTS

(All dimensions in mm)

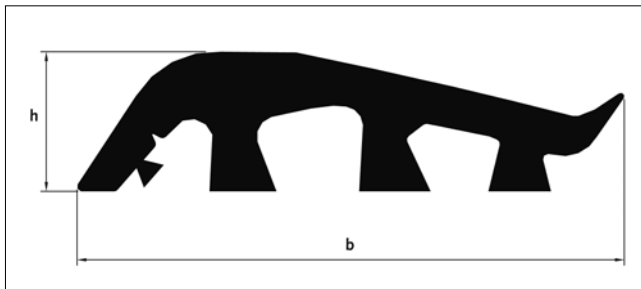
- Manhole rings must comply with the requirements and dimensions of DIN EN 1917 and of DIN V 4034-1.



DN = d1	dso	dsp	lsp	lso	t	lrs	rs
800	913 ± 1	890 ± 2	65 -0/ +2	70	120	37	8
1000	1113 ± 1	1090 ± 2	65 -0/ +2	70	120	37	8
1200	1327 ± 1	1300 ± 3	75 -0/ +3	80	135	45	9
1500	1652 ± 1,5	1620 ± 3,5	85 -0/ +3	90	150	53	11

Smaller and larger DN on request

CROSS SECTION (All dimensions in mm)

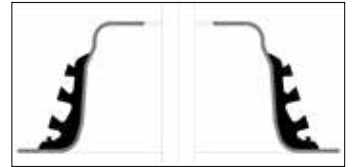


DN	h	b
800 - 1000	15	59
1200	15	68
1500	15	78

Smaller and larger DN on request

PRODUCTION OF MANHOLE RING SOCKETS WITH DS SEALING SURFACE PROFILE

- Mount DS Sealing Surface Profile on the cleaned and lightly oiled base ring. Ensure correct seating and even pre-stretching of the liner ring.



- Before compaction fill the socket with concrete so that the seal is covered evenly by 10 cm. Then produce concrete manhole ring in the usual manner.
- After removal of the manhole ring mould, place outer supporting ring on the spigot end and press the inner supporting ring so that the concrete is pressed against the outer support ring. Leave them there until concrete has cured.
- Remove supporting rings and pull base ring.

INSTALLATION TIPS

- Clean DS Sealing Surface Profile socket and spigot end.
- Mount separate sealing ring to spigot end, and place it next to the shoulder ensuring an even pre-stretching of the sealing ring.
- Cover the seal slide surface (not in case of pre-lubricated seals). Additional lubricant on the liner side is not necessary.
- Place load transfer.
- Insert the next manhole ring centrally and vertically and let it slide downwards. If it cants, push slightly.



Example of DS DFP und DS SDVseal

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DS⁺
DICHTUNGSTECHNIK