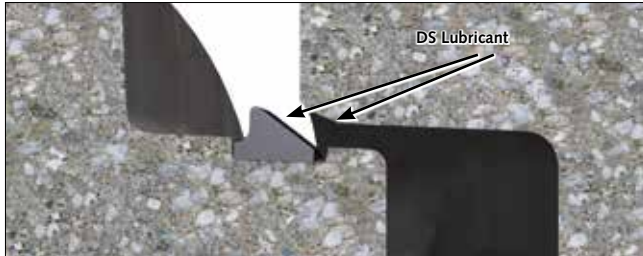


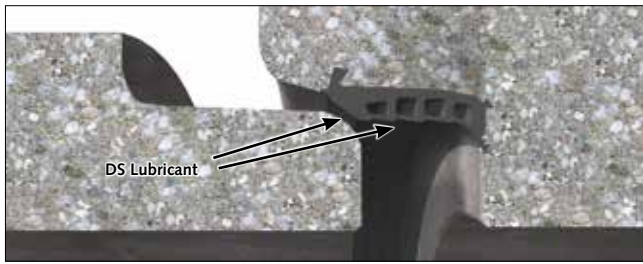


## LAYING OF PIPES

- Apply DS lubricant thoroughly to the sliding area of the concrete socket (slide seal ring GRS) or to the spigot end (integrated seal) – preferably using a glove.
- An additional application of the DS lubricant to the seal is not absolutely required, but this helps to reduce the mounting forces. For special cases (double wedge profiles) please see the separate assembly instructions.



**Example:**  
slide seal in front of shoulder of spigot end

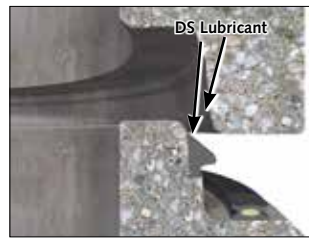


**Example:** integrated pipe seal

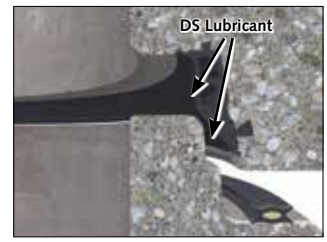
## REQUIREMENTS FOR LAYING PIPE

DN	with 1 kg DS lubricant approx. the following number can be laid:
300	12 pipes
400	9 pipes
500	7 pipes
600	5 pipes
700	5 pipes
800	4 pipes
900	4 pipes
1000	3 pipes
1200	3 pipes

## MOVING OF MANHOLE COMPONENTS



**Example:**  
lose manhole seal



**Example:**  
integrated manhole seal

- Apply DS lubricant thoroughly to the inner area of the manhole socket (slide seal ring DS SG) or to the spigot end (integrated seal DS BS 2000) – preferably using a glove.
- An additional application of the lubricant to the seal is not absolutely required, but this helps to reduce the mounting forces.

## REQUIREMENTS FOR THE MOVING OF MANHOLES

DN	with 1kg DS Lubricant B05 ca. the following number can be moved:
1000	7 Manhole rings
1200	3 Manhole rings
1500	2 Manhole rings

## IMPORTANT NOTE ON THE USE

According to DIN EN 1610 the pipe and manhole section manufacturer must also supply the necessary lubricant which has to be compatible with the component and the sealing system.

DS Lubricant is the result of many years of research and practical experience. Through a special composition DS Lubricant is exactly designed to the requirements of the laying of pipes made of concrete or reinforced concrete. Besides the advantage of optimal sliding procedure, DS Lubricant is biological degradable.

As required in DIN EN 681-1 under point 4.1.1 it has no negative effect on the life of the seal.

Please understand that we will only guarantee for our seal material if the seals are used with DS lubricant.

FBS quality is only guaranteed by a lubricant approved by the seal manufacturer.

Values and properties shown in diagrams and tables are not subject to any guarantees. Our warranty is limited to the values and properties as required by the relevant standards. Our literature, data sheets and recommendations represent our knowledge at the time of printing but are in no way legally binding on us. Our "General Conditions of Sale" apply to all sales.

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