

# BS Vertriebsbüro GmbH

*Silo-Anlagenbau - "Your specialist in silo components"*

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Flow Bow,  
Diverter Valves,  
Couplings and  
Double-Line-Pipes

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- **Double-Line-Pipes**

## Double-Line-Pipes

High wear resistant pipes for the pneumatic support of feast substances



### Appilcation area

The pneumatic transport of feast substances like ore, gravel, sand, building material, corn and other abrasive materials will cause a high sign of wear in conventional pipes. After a short time, the pipes are defective. High repair costs and production loss is the consequence.

We recommend therefore DOUBLE-LINE-PIPES. These consit of a high wear resistant, hardened inside pipe and a solid outer pipe.

### Functionality

DOUBLE -LINE-PIPES consits of two tubes. These are produced separated from each other.

The inner pipe from carbon C 45 guarantee the high wear resistance. The outer tube RSt 37-2 ensures this one for the impression and bending strength. Inner- and outer pipe will shove in each other. The arisen pipe gets hardened. Both pipes are warmed on approx. 850° C.

After this the pipes are cooled with water. The inside pipe keeps the diameter. The outer pipe shrinks because of the cooling on the inside pipe. Both pipes are connected so firmly together.

### Material/details

Inside diameter: 65 - 1000 mm

Length: 100 - 12000 mm

### Technical details

DOUBLE-LINE-PIPES aren't breaking sensitive.

The hardened inside pipe is protected by the stable outer pipe, well.

Max. operating temperature: 200° C

Corrosion resistance = Normal steel RSt 37-2. The inside pipe has a hardness of up to 700 HV 30.

### Advantages

- **DOUBLE -LINE-PIPES with a 3-7-fold longer stand time**
- **extremely hard**
- **not breaking sensitive**

### DIMENSIONS DOUBLE - LINE -PIPE DN 65 - DN 150 - As reassuring distance

Pipes with flanges, DIN 2576/PN 10, inside hardened, without connection elements.

Other pipes on request.

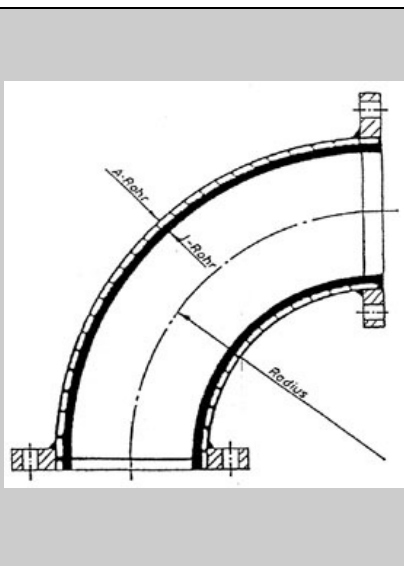
DN	pipe length	diameter
DN 65	1 m	5,8 mm (3.2 + 2.6)
DN 80	1 m	7,2 mm (3.6 + 3.6)
DN 100	1 m	8,2 mm (5.0 + 3.2)

DN 125	1 m	6,0 mm (3.0 + 3.0)
DN 150	1 m	9,0 mm (5.0 + 4.0)

# **DIMENSIONS DOUBLE - LINE -PIPE DN 65 - DN 150 - As reassuring distance**

90° C - Double-Line-Pipe, flanges, DIN 2576/PN 10, inside hardened, without connections.  
Other angles on request.

NW	inside pipe (mm)	outer pipe (mm)	Radius
80	7,1	3,2	500
80	7,1	3,2	1000
100	5,0	3,2	250
100	5,0	3,2	500
100	5,0	3,2	1000
125	7,0	4,0	240
125	5,0	3,2	500
125	5,0	3,2	1000
150	5,0	4,0	225
150	5,0	3,0	500
150	5,0	3,0	1000



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