

Technical Data Sheet

Riser pipe ZSM (tight-fitting push-in sleeve)
GWE works standard PN 40



Product description:

The riser pipe, which features a tight-fitting push-in sleeve according to the GWE works standard, is defined as a connecting element by the seal **with two O-rings and two stainless steel spiral springs**. The second O-ring in front of the shear spring prevents the ingress of dirt into the connection gap, thereby preventing the formation of brackish water and contamination. The additional second spiral spring enhances the tensile strength of the connection.

The use of a suitable lubricant with KTW approval is recommended for assembly. The stainless steel shear springs can be pulled out again when disassembling by using the supplied screw eyelet. When removing and reinstalling the riser, the shear springs must be checked for damage and the O-rings replaced.



Product properties:

- Pressure rating PN40
- Stainless steel 1.4301 (V2A) and 1.4571 (V4A); other material qualities on request
- Longitudinally welded pipes according to DIN EN 10217-7
- ZSM (tight-fitting push-in sleeve) with two O-rings and two shear springs (ZSM 2O2F)
- Standard lengths: 1 - 6 m
- Installation direction with spigot at the bottom and sleeve at the top

Advantages of the product:

- Fast assembly
- Slim connection
- Hygienic safety

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Dimensions:

DN	Pipe dimensions* d ₁ x s [mm]	AD sleeve D [mm]	Shear springs L x d x s [mm]	O-ring D x d [mm]
50	60.3 x 2.0	85	215 x 7 x 1.5	60 x 5
65	76.1 x 2.0	102	275 x 7 x 1.5	77 x 5
80	88.9 x 2.6	115	310 x 7 x 1.5	88 x 5
100	114.3 x 2.9	139	385 x 7 x 1.5	110 x 5
125	139.7 x 2.9	165	470 x 7 x 1.5	136 x 5
150	168.3 x 3.2	198	560 x 9 x 1.8	166 x 6
175	193.7 x 3.6	224	610 x 9 x 1.8	193 x 6
200	219.1 x 4.0	251	720 x 9 x 1.8	212 x 6
250	273.0 x 5.0	310	920 x 11 x 2.2	270 x 6

*Slightly different pipe wall thicknesses may be used depending on availability

Weights [kg]:

DN	Construction length					
	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	6.0 m
50	4.4	7.3	10.3	13.2	16.1	19.1
65	5.5	9.2	13.0	16.7	20.4	24.1
80	8.2	13.8	19.4	25.1	30.7	36.4
100	11.1	19.3	27.4	35.5	43.6	51.7
125	14.2	24.2	34.2	44.1	54.1	64.1
150	18.2	30.7	43.1	55.6	68.0	80.5
175	21.2	35.6	50.0	64.4	78.7	93.1
200	29.1	50.8	72.4	94.0	115.6	137.3
250	44.9	78.6	112.3	146.0	179.7	213.3

Weights have been determined via calculation.