

Technical Data Sheet

Riser pipe ZSM (tight-fitting push-in sleeve)
GWE works standard PN 25



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 an O-ring and a stainless steel spiral spring**. The recommended installation direction with the spigot at the top and the sleeve at the bottom ensures continuous and complete drainage of the connection in areas with a fluctuating water level. Brackish water and contamination are prevented from forming in the connection gap, as are possible deposits and incrustations, which could otherwise lead to problems when removing the riser.

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 PN25
- 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 an O-ring and a shear spring (ZSM 101F)
- Standard lengths: 1 - 6 m
- Installation direction with spigot at the top and sleeve at the bottom

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 spring L x d x s [mm]	O-ring D x d [mm]	Tensile strength [kN]
32	42.4 x 2.0	63	133 x 5 x 1.25	42 x 4	32
40	48.3 x 2.0	69	180 x 5 x 1.25	48 x 4	40
50	60.3 x 2.0	85	190 x 7 x 1.5	60 x 5	50
65	76.1 x 2.0	102	265 x 7 x 1.5	77 x 5	65
80	88.9 x 2.6	115	280 x 7 x 1.5	88 x 5	80
100	114.3 x 2.9	139	350 x 7 x 1.5	110 x 5	100
125	139.7 x 2.9	165	445 x 7 x 1.5	136 x 5	125
150	168.3 x 3.0	198	535 x 9 x 1.8	166 x 6	150
175	193.7 x 3.0	222	610 x 9 x 1.8	193 x 6	175
200	219.1 x 4.0	249	690 x 9 x 1.8	215 x 6	200
250	273.0 x 5.0	310	870 x 11 x 2.2	270 x 6	250

*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
32	2.9	4.9	6.9	9.0	11.0	13.0
40	3.2	5.5	7.9	10.2	12.5	14.8
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.

