

Technical Data Sheet

Riser pipe ZSM (tight-fitting push-in sleeve)
DIN 4945-2 PN 16



Product description:

The riser pipe, which features a tight-fitting push-in sleeve according to DIN 4945-2, is defined as a connecting element by the seal **with two O-rings and a stainless steel spiral spring**. 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 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 PN16 – 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 two O-rings and one shear spring (ZSM 2O1F)
- 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 spring L x d x s [mm]	O-ring D x d [mm]	Tensile strength [kN]
40**	48,3 x 2,0	69	180 x 5 x 1,5	48 x 4	40
50	60.3 x 2.0	85	190 x 7 x 1.5	59 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 3.6	224	610 x 9 x 1.8	193 x 6	175
200	219.1 x 4.0	249	690 x 9 x 1.8	212 x 6	200
250**	273.0 x 5.0	310	980 x 9 x 1.8	270 x 6	250

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

** Not regulated in DIN

Weights [kg]:

DN	Construction length					
	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	6.0 m
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.