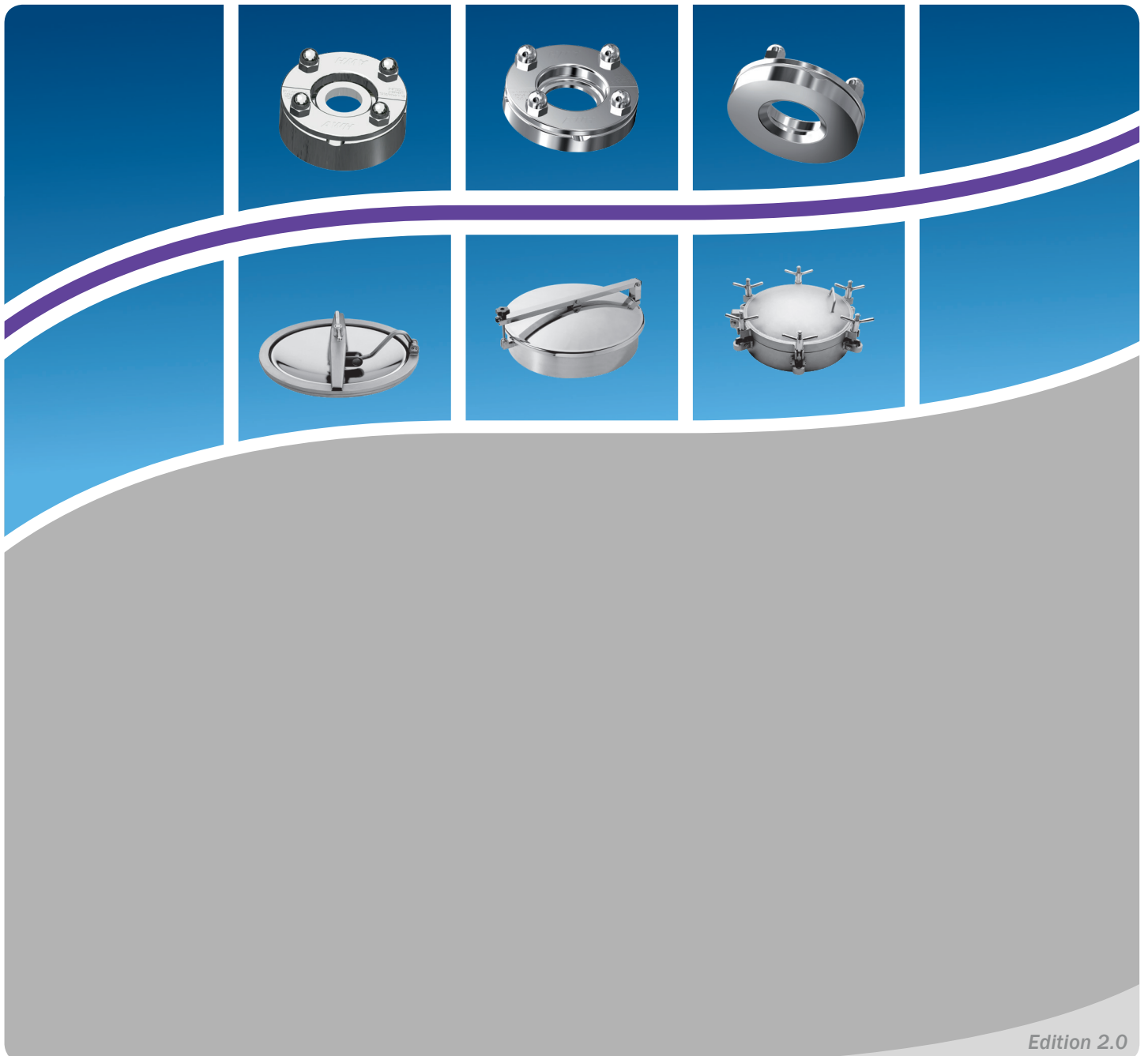


Tank Equipment



AWH Tank Equipment Contents

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* An asterisk in the pricing column means: on request

**The dimensions listed in the catalog are in mm and are nominal dimensions.
The specified weights are approximate weights.**

AWH-Connect and Accessories



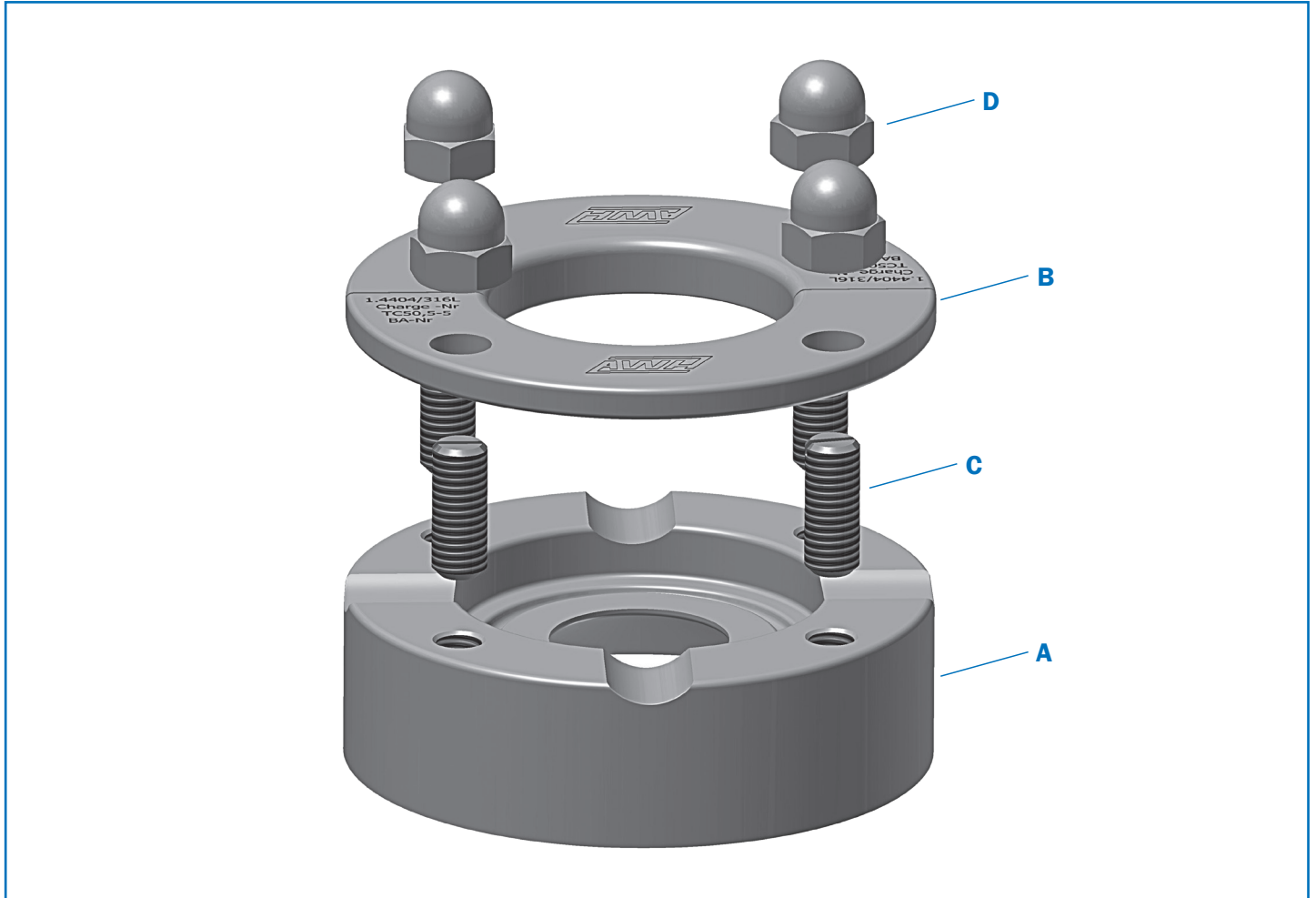
The AWH-Connect is an aseptic and hygienic connection for tanks. It is designed to comply with the strict requirements of the pharmaceutical, biotechnological and food industries. Using AWH-Connect in place of standard clamp connection allows you eliminate or minimize dead space in tanks.

In accordance with the Pressure Equipment Directive, the AWH-Connect have been subjected to a design examination by TÜV Nord acc. to EN 13445 standard and the AD2000 data sheet. Relevant certificates can be provided on request.

Technical Parameters

Standard	Designed in accordance with the requirements of the Pressure Equipment Directive 2014/68/EU, EN 13445 and AD2000 regulations/ASME VIII Div. 2.		
Materials	Welded flange:	1.4435, BN2 (Delta ferrite: $\leq 1.0\%$) DIN EN 10272	316 L ASME-SA 479, ASTM A479
	Split ring:	1.4404 DIN EN 10272	316 L ASME-SA 479, ASTM A479
	Thread bolts/cap nuts In conformity with the Pressure Equipment Directive 2014/68/EU:	A4-70 / A4-50 DIN EN ISO 3506-1 / -2	A4-70 / A4-50 DIN EN ISO 3506-1 / -2
	Thread bolts/cap nuts In conformity with ASME VIII:	SA193 B8M Cl.1	SA194 8M Cl. 1
Surfaces	Surfaces in contact with the product:	$Ra \leq 0.5 \mu m$	
	Other surfaces:	$Ra \leq 1.2 \mu m$	
Operating pressure	-1 to +7 bar / -14.5 to 101 psi		
Operating temperature	-80 to +200 °C / -112 to 392 °F		
Thread bolts / Nuts	Thread bolts acc. to DIN 976-1 with 1x slot acc. to DIN 551 Cap nuts acc. to DIN 1587 Manufacturer acc. to AD2000 data sheet (VdTÜV data sheet 1253/4) recognized for designs conforming to PED 2014/68/EU		
Clamp connection	Suitable for clamp ferrules acc. to DIN 32676, ISO 2852, BS 4825 and ASME BPE		
Seals	Suitable for standard seals acc. to DIN 32676, as well as ISO 2852 Type A and Type B		
Labelling	Welded flange and split ring are permanently marked with material, batch no. and manufacturer's trademark		
Documentation	Acceptance test certificate 3.1 acc. to EN 10204 AD2000-W2/W10 ASME SEC. II Optionally available for welded flange and split ring.		
Delivery / Packaging	The product is delivered in a disassembled condition. The welded flange, split ring and thread bolts/nuts are all securely packaged separately. Returns are only possible if the packaging has not been opened! Seals are not included in the scope of delivery.		
Options	Customized versions in terms of materials, surfaces, welded flange heights etc. can be supplied on request. Please get in touch with us!		
Notes	The operating limits (pressure and temperature) for the AWH-Connect depend on both the seal used and the connected component. The weakest individual component in the connection determines the max. permissible pressure and the max. temperature. The compatibility of the components to be connected must be checked in advance. After installing a component, it is to be ensured that the cap nuts are screwed on tightly before applying pressure to the system. Weight specifications are approximate weights. We reserve the right to make technical changes.		

Exploded View



- A** Welded flange
- B** Split ring
- C** Thread bolt
- D** Cap nut

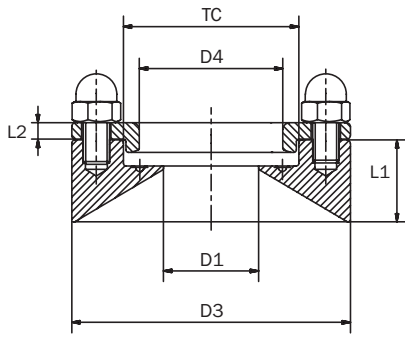
Services

Welded Flange Measuring Report

Article No.	Description	Measuring points	Net price/EUR
1611MP00RA00300	Surface roughness (inner/outer)	3	35,00
1611MP00RA00500	Surface roughness (inner/outer)	5	55,00
1611MP00FE00200	Delta-Ferrite content (inner)	2	45,00

Material Certificates

Article No.	Description	Net price/EUR
27u	Acceptance test certificate 3.1 incl. marking transfer certificate	15,00



Pipe standard:
DIN 11866 Series A (DIN EN 10357, Series A)

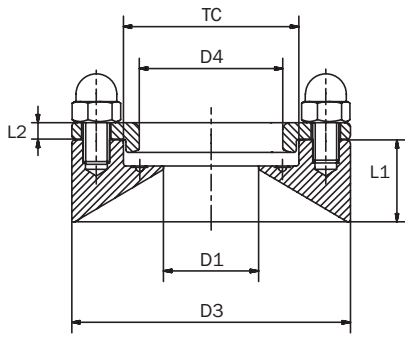
AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) DIN

DN DIN	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
10	10	70	28.8	12	5	13 x 1.5	4/M8 x 20	34	0.5
10	10	70	28.8	25	5	13 x 1.5	4/M8 x 20	34	0.7
10	10	70	28.8	38	5	13 x 1.5	4/M8 x 20	34	0.9
10	10	70	28.8	51	5	13 x 1.5	4/M8 x 20	34	1.2
15	16	70	28.8	12	5	19 x 1.5	4/M8 x 20	34	0.5
15	16	70	28.8	25	5	19 x 1.5	4/M8 x 20	34	0.7
15	16	70	28.8	38	5	19 x 1.5	4/M8 x 20	34	0.9
15	16	70	28.8	51	5	19 x 1.5	4/M8 x 20	34	1.1
20	20	70	28.8	12	5	23 x 1.5	4/M8 x 20	34	0.4
20	20	70	28.8	25	5	23 x 1.5	4/M8 x 20	34	0.6
20	20	70	28.8	38	5	23 x 1.5	4/M8 x 20	34	0.9
20	20	70	28.8	51	5	23 x 1.5	4/M8 x 20	34	1.1
25	26	85	43.8	12	5	29 x 1.5	4/M8 x 20	50.5	0.6
25	26	85	43.8	25	5	29 x 1.5	4/M8 x 20	50.5	0.9
25	26	85	43.8	38	5	29 x 1.5	4/M8 x 20	50.5	1.2
25	26	85	43.8	51	5	29 x 1.5	4/M8 x 20	50.5	1.5
32	32	85	43.8	12	5	35 x 1.5	4/M8 x 20	50.5	0.6
32	32	85	43.8	25	5	35 x 1.5	4/M8 x 20	50.5	0.8
32	32	85	43.8	38	5	35 x 1.5	4/M8 x 20	50.5	1.0
32	32	85	43.8	51	5	35 x 1.5	4/M8 x 20	50.5	1.3
40	38	85	43.8	12	5	41 x 1.5	4/M8 x 20	50.5	0.5
40	38	85	43.8	25	5	41 x 1.5	4/M8 x 20	50.5	0.8
40	38	85	43.8	38	5	41 x 1.5	4/M8 x 20	50.5	1.0
40	38	85	43.8	51	5	41 x 1.5	4/M8 x 20	50.5	1.4
50	50	100	55	15	6	53 x 1.5	4/M8 x 20	64	0.8
50	50	100	55	25	6	53 x 1.5	4/M8 x 20	64	1.1
50	50	100	55	38	6	53 x 1.5	4/M8 x 20	64	1.4
50	50	100	55	51	6	53 x 1.5	4/M8 x 20	64	1.7
65	66	131	77	15	10	70 x 2.0	6/M8 x 25	91	1.5
65	66	131	77	25	10	70 x 2.0	6/M8 x 25	91	1.9
65	66	131	77	38	10	70 x 2.0	6/M8 x 25	91	2.4
65	66	131	77	51	10	70 x 2.0	6/M8 x 25	91	3.0
80	81	146	93.5	15	10	85 x 2.0	6/M8 x 25	106	1.7
80	81	146	93.5	25	10	85 x 2.0	6/M8 x 25	106	2.2
80	81	146	93.5	38	10	85 x 2.0	6/M8 x 25	106	2.8
80	81	146	93.5	51	10	85 x 2.0	6/M8 x 25	106	3.4
100	100	170	105	15	12	104 x 2.0	8/M8 x 30	119	2.5
100	100	170	105	25	12	104 x 2.0	8/M8 x 30	119	3.0
100	100	170	105	38	12	104 x 2.0	8/M8 x 30	119	3.8
100	100	170	105	51	12	104 x 2.0	8/M8 x 30	119	4.7

AWH-Connect and Accessories

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) DIN

Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN DIN	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
10	101,00	161 0 D010 12 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
10	111,00	161 0 D010 25 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
10	116,00	161 0 D010 38 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
10	123,00	161 0 D010 51 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
15	101,00	161 0 D015 12 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
15	111,00	161 0 D015 25 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
15	116,00	161 0 D015 38 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
15	123,00	161 0 D015 51 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
20	101,00	161 0 D020 12 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
20	111,00	161 0 D020 25 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
20	116,00	161 0 D020 38 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
20	123,00	161 0 D020 51 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
25	119,00	161 0 D025 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	127,00	161 0 D025 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	143,00	161 0 D025 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	162,00	161 0 D025 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
32	119,00	161 0 D032 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
32	127,00	161 0 D032 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
32	143,00	161 0 D032 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
32	162,00	161 0 D032 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
40	119,00	161 0 D040 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
40	127,00	161 0 D040 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
40	143,00	161 0 D040 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
40	162,00	161 0 D040 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
50	145,00	161 0 D050 15 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
50	151,00	161 0 D050 25 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
50	171,00	161 0 D050 38 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
50	188,00	161 0 D050 51 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
65	220,00	161 0 D065 15 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
65	224,00	161 0 D065 25 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
65	247,00	161 0 D065 38 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
65	264,00	161 0 D065 51 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
80	289,00	161 0 D080 15 142 11	120,00	161 2 G106 10 022 11	23,00	161 3 M608 25 800 31	
80	315,00	161 0 D080 25 142 11	120,00	161 2 G106 10 022 11	23,00	161 3 M608 25 800 31	
80	362,00	161 0 D080 38 142 11	120,00	161 2 G106 10 022 11	23,00	161 3 M608 25 800 31	
80	405,00	161 0 D080 51 142 11	120,00	161 2 G106 10 022 11	23,00	161 3 M608 25 800 31	
100	398,00	161 0 D100 15 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
100	459,00	161 0 D100 25 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
100	499,00	161 0 D100 38 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
100	515,00	161 0 D100 51 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	



Pipe standard:
DIN 11866 Series B (DIN EN ISO 1127)

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) ISO

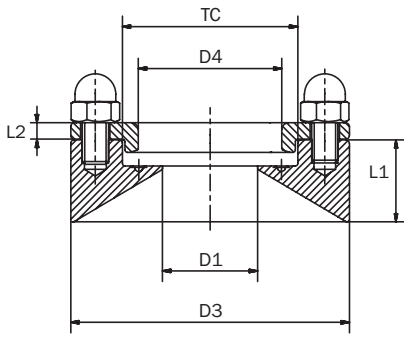
DN ISO	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
13.5	10.3	55	20	12	5	13.5 x 1.6	4/M6 x 16	25	0.3
13.5	10.3	55	20	25	5	13.5 x 1.6	4/M6 x 16	25	0.4
13.5	10.3	55	20	38	5	13.5 x 1.6	4/M6 x 16	25	0.5
13.5	10.3	55	20	51	5	13.5 x 1.6	4/M6 x 16	25	0.7
17.2	14	70	28.8	12	5	17.2 x 1.6	4/M8 x 20	34	0.5
17.2	14	70	28.8	25	5	17.2 x 1.6	4/M8 x 20	34	0.7
17.2	14	70	28.8	38	5	17.2 x 1.6	4/M8 x 20	34	0.9
17.2	14	70	28.8	51	5	17.2 x 1.6	4/M8 x 20	34	1.1
21.3	18.1	70	28.8	12	5	21.3 x 1.6	4/M8 x 20	34	0.5
21.3	18.1	70	28.8	25	5	21.3 x 1.6	4/M8 x 20	34	0.7
21.3	18.1	70	28.8	38	5	21.3 x 1.6	4/M8 x 20	34	0.9
21.3	18.1	70	28.8	51	5	21.3 x 1.6	4/M8 x 20	34	1.1
26.9	23.7	85	43.8	12	5	26.9 x 1.6	4/M8 x 20	50.5	0.6
26.9	23.7	85	43.8	25	5	26.9 x 1.6	4/M8 x 20	50.5	0.9
26.9	23.7	85	43.8	38	5	26.9 x 1.6	4/M8 x 20	50.5	1.2
26.9	23.7	85	43.8	51	5	26.9 x 1.6	4/M8 x 20	50.5	1.5
33.7	29.7	85	43.8	12	5	33.7 x 2.0	4/M8 x 20	50.5	0.6
33.7	29.7	85	43.8	25	5	33.7 x 2.0	4/M8 x 20	50.5	0.8
33.7	29.7	85	43.8	38	5	33.7 x 2.0	4/M8 x 20	50.5	1.1
33.7	29.7	85	43.8	51	5	33.7 x 2.0	4/M8 x 20	50.5	1.4
42.4	38.4	100	55	15	6	42.4 x 2.0	4/M8 x 20	64	0.9
42.4	38.4	100	55	25	6	42.4 x 2.0	4/M8 x 20	64	1.1
42.4	38.4	100	55	38	6	42.4 x 2.0	4/M8 x 20	64	1.5
42.4	38.4	100	55	51	6	42.4 x 2.0	4/M8 x 20	64	1.9
48.3	44.3	100	55	15	6	48.3 x 2.0	4/M8 x 20	64	0.8
48.3	44.3	100	55	25	6	48.3 x 2.0	4/M8 x 20	64	1.1
48.3	44.3	100	55	38	6	48.3 x 2.0	4/M8 x 20	64	1.4
48.3	44.3	100	55	51	6	48.3 x 2.0	4/M8 x 20	64	1.8
60.3	56.3	112	65.5	15	9.5	60.3 x 2.0	4/M8 x 25	77.5	1.1
60.3	56.3	112	65.5	25	9.5	60.3 x 2.0	4/M8 x 25	77.5	1.4
60.3	56.3	112	65.5	38	9.5	60.3 x 2.0	4/M8 x 25	77.5	1.8
60.3	56.3	112	65.5	51	9.5	60.3 x 2.0	4/M8 x 25	77.5	2.3
76.1	72.1	131	77	15	10	76.1 x 2.0	6/M8 x 25	91	1.5
76.1	72.1	131	77	25	10	76.1 x 2.0	6/M8 x 25	91	1.8
76.1	72.1	131	77	38	10	76.1 x 2.0	6/M8 x 25	91	2.3
76.1	72.1	131	77	51	10	76.1 x 2.0	6/M8 x 25	91	2.9
88.9	84.3	146	93.5	15	10	88.9 x 2.3	6/M8 x 25	106	1.7
88.9	84.3	146	93.5	25	10	88.9 x 2.3	6/M8 x 25	106	2.1
88.9	84.3	146	93.5	38	10	88.9 x 2.3	6/M8 x 25	106	2.7
88.9	84.3	146	93.5	51	10	88.9 x 2.3	6/M8 x 25	106	3.4
114.3	109.7	170	115	15	12	114.3 x 2.3	8/M8 x 30	130	2.1
114.3	109.7	170	115	25	12	114.3 x 2.3	8/M8 x 30	130	2.6
114.3	109.7	170	115	38	12	114.3 x 2.3	8/M8 x 30	130	3.2
114.3	109.7	170	115	51	12	114.3 x 2.3	8/M8 x 30	130	4.0

AWH-Connect and Accessories

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) ISO

Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN ISO	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
13.5	96,00	161 0 I013 12 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
13.5	99,00	161 0 I013 25 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
13.5	106,00	161 0 I013 38 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
13.5	111,00	161 0 I013 51 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
17.2	101,00	161 0 I017 12 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
17.2	111,00	161 0 I017 25 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
17.2	116,00	161 0 I017 38 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
17.2	123,00	161 0 I017 51 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
21.3	101,00	161 0 I021 12 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
21.3	111,00	161 0 I021 25 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
21.3	116,00	161 0 I021 38 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
21.3	123,00	161 0 I021 51 142 11	32,00	161 2 G034 05 022 11	14,00	161 3 M408 20 800 31	
26.9	119,00	161 0 I026 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
26.9	127,00	161 0 I026 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
26.9	143,00	161 0 I026 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
26.9	162,00	161 0 I026 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
33.7	119,00	161 0 I033 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
33.7	127,00	161 0 I033 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
33.7	143,00	161 0 I033 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
33.7	162,00	161 0 I033 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
42.4	145,00	161 0 I042 15 142 11	44,00	161 2 G064 05 022 11	14,00	161 3 M408 20 800 31	
42.4	151,00	161 0 I042 25 142 11	44,00	161 2 G064 05 022 11	14,00	161 3 M408 20 800 31	
42.4	171,00	161 0 I042 38 142 11	44,00	161 2 G064 05 022 11	14,00	161 3 M408 20 800 31	
42.4	188,00	161 0 I042 51 142 11	44,00	161 2 G064 05 022 11	14,00	161 3 M408 20 800 31	
48.3	145,00	161 0 I048 15 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
48.3	151,00	161 0 I048 25 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
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60.3	159,00	161 0 I060 15 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
60.3	172,00	161 0 I060 25 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
60.3	190,00	161 0 I060 38 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
60.3	208,00	161 0 I060 51 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
76.1	220,00	161 0 I076 15 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76.1	224,00	161 0 I076 25 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76.1	247,00	161 0 I076 38 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76.1	264,00	161 0 I076 51 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
88.9	289,00	161 0 I088 15 142 11	120,00	161 2 G106 12 022 11	23,00	161 3 M608 25 800 31	
88.9	315,00	161 0 I088 25 142 11	120,00	161 2 G106 12 022 11	23,00	161 3 M608 25 800 31	
88.9	362,00	161 0 I088 38 142 11	120,00	161 2 G106 12 022 11	23,00	161 3 M608 25 800 31	
88.9	405,00	161 0 I088 51 142 11	120,00	161 2 G106 12 022 11	23,00	161 3 M608 25 800 31	
114.3	401,00	161 0 I114 15 142 11	182,00	161 2 G130 12 022 11	33,00	161 3 M808 30 800 31	
114.3	444,00	161 0 I114 25 142 11	182,00	161 2 G130 12 022 11	33,00	161 3 M808 30 800 31	
114.3	500,00	161 0 I114 38 142 11	182,00	161 2 G130 12 022 11	33,00	161 3 M808 30 800 31	
114.3	556,00	161 0 I114 51 142 11	182,00	161 2 G130 12 022 11	33,00	161 3 M808 30 800 31	

AWH-Connect and Accessories



Pipe standard:
DIN 11866 Series C (ASME-BPE)

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) Inch (Tube OD)

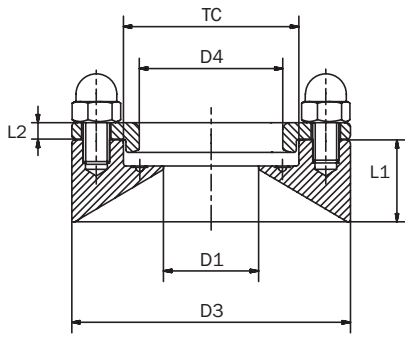
DN Inch	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
1/2"	9.4	55	20	12	5	12.7 x 1.65	4/M6 x 16	25	0.3
1/2"	9.4	55	20	25	5	12.7 x 1.65	4/M6 x 16	25	0.4
1/2"	9.4	55	20	38	5	12.7 x 1.65	4/M6 x 16	25	0.6
1/2"	9.4	55	20	51	5	12.7 x 1.65	4/M6 x 16	25	0.7
3/4"	15.8	55	20	12	5	19.05 x 1.65	4/M6 x 16	25	0.2
3/4"	15.8	55	20	25	5	19.05 x 1.65	4/M6 x 16	25	0.4
3/4"	15.8	55	20	38	5	19.05 x 1.65	4/M6 x 16	25	0.5
3/4"	15.8	55	20	51	5	19.05 x 1.65	4/M6 x 16	25	0.6
1"	22.1	85	43.8	12	5	25.4 x 1.65	4/M8 x 20	50.5	0.6
1"	22.1	85	43.8	25	5	25.4 x 1.65	4/M8 x 20	50.5	0.9
1"	22.1	85	43.8	38	5	25.4 x 1.65	4/M8 x 20	50.5	1.2
1"	22.1	85	43.8	51	5	25.4 x 1.65	4/M8 x 20	50.5	1.5
1 1/2"	34.8	85	43.8	12	5	38.1 x 1.65	4/M8 x 20	50.5	0.6
1 1/2"	34.8	85	43.8	25	5	38.1 x 1.65	4/M8 x 20	50.5	0.8
1 1/2"	34.8	85	43.8	38	5	38.1 x 1.65	4/M8 x 20	50.5	1.1
1 1/2"	34.8	85	43.8	51	5	38.1 x 1.65	4/M8 x 20	50.5	1.4
2"	47.5	100	55	15	6	50.8 x 1.65	4/M8 x 20	64	0.8
2"	47.5	100	55	25	6	50.8 x 1.65	4/M8 x 20	64	1.1
2"	47.5	100	55	38	6	50.8 x 1.65	4/M8 x 20	64	1.4
2"	47.5	100	55	51	6	50.8 x 1.65	4/M8 x 20	64	1.8
2 1/2"	60.2	112	65.5	15	9.5	63.5 x 1.65	4/M8 x 25	77.5	1.1
2 1/2"	60.2	112	65.5	25	9.5	63.5 x 1.65	4/M8 x 25	77.5	1.4
2 1/2"	60.2	112	65.5	38	9.5	63.5 x 1.65	4/M8 x 25	77.5	1.8
2 1/2"	60.2	112	65.5	51	9.5	63.5 x 1.65	4/M8 x 25	77.5	2.2
3"	72.9	131	77	15	10	76.2 x 1.65	6/M8 x 25	91	1.5
3"	72.9	131	77	25	10	76.2 x 1.65	6/M8 x 25	91	1.8
3"	72.9	131	77	38	10	76.2 x 1.65	6/M8 x 25	91	2.3
3"	72.9	131	77	51	10	76.2 x 1.65	6/M8 x 25	91	2.9
4"	97.4	170	105	15	12	101.6 x 2.11	8/M8 x 30	119	2.5
4"	97.4	170	105	25	12	101.6 x 2.11	8/M8 x 30	119	3.1
4"	97.4	170	105	38	12	101.6 x 2.11	8/M8 x 30	119	3.9
4"	97.4	170	105	51	12	101.6 x 2.11	8/M8 x 30	119	4.8

AWH-Connect and Accessories

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) Inch (Tube OD)

Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN Inch	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
1/2"	96,00	161 0 A050 12 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
1/2"	99,00	161 0 A050 25 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
1/2"	106,00	161 0 A050 38 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
1/2"	111,00	161 0 A050 51 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
3/4"	96,00	161 0 A075 12 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
3/4"	99,00	161 0 A075 25 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
3/4"	106,00	161 0 A075 38 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
3/4"	111,00	161 0 A075 51 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
1"	119,00	161 0 A100 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1"	127,00	161 0 A100 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1"	143,00	161 0 A100 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1"	162,00	161 0 A100 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1 1/2"	119,00	161 0 A150 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1 1/2"	127,00	161 0 A150 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1 1/2"	143,00	161 0 A150 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
1 1/2"	162,00	161 0 A150 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
2"	145,00	161 0 A200 15 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
2"	151,00	161 0 A200 25 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
2"	171,00	161 0 A200 38 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
2"	188,00	161 0 A200 51 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
2 1/2"	159,00	161 0 A250 15 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
2 1/2"	172,00	161 0 A250 25 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
2 1/2"	190,00	161 0 A250 38 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
2 1/2"	208,00	161 0 A250 51 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
3"	220,00	161 0 A300 15 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
3"	224,00	161 0 A300 25 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
3"	247,00	161 0 A300 38 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
3"	264,00	161 0 A300 51 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
4"	398,00	161 0 A400 15 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
4"	459,00	161 0 A400 25 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
4"	499,00	161 0 A400 38 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
4"	515,00	161 0 A400 51 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	

AWH-Connect and Accessories



Pipe standard:
SMS 3008

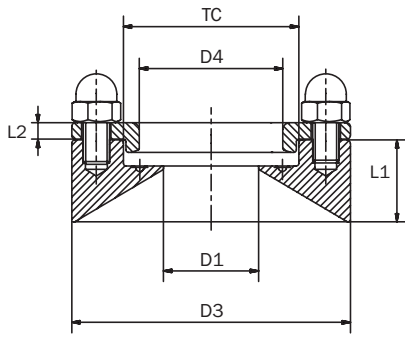
AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) SMS

DN SMS	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
12	10	55	20	12	5	12 x 1	4/M6 x 16	25	0.3
12	10	55	20	25	5	12 x 1	4/M6 x 16	25	0.4
12	10	55	20	38	5	12 x 1	4/M6 x 16	25	0.5
12	10	55	20	51	5	12 x 1	4/M6 x 16	25	0.7
18	15	55	20	12	5	18 X 1	4/M6 x 16	25	0.3
18	15	55	20	25	5	18 X 1	4/M6 x 16	25	0.4
18	15	55	20	38	5	18 X 1	4/M6 x 16	25	0.5
18	15	55	20	51	5	18 X 1	4/M6 x 16	25	0.7
25	22.6	85	43.8	12	5	25 x 1.2	4/M8 x 20	50.5	0.6
25	22.6	85	43.8	25	5	25 x 1.2	4/M8 x 20	50.5	0.9
25	22.6	85	43.8	38	5	25 x 1.2	4/M8 x 20	50.5	1.2
25	22.6	85	43.8	51	5	25 x 1.2	4/M8 x 20	50.5	1.5
38	35.6	85	43.8	12	5	38 x 1.2	4/M8 x 20	50.5	0.6
38	35.6	85	43.8	25	5	38 x 1.2	4/M8 x 20	50.5	0.8
38	35.6	85	43.8	38	5	38 x 1.2	4/M8 x 20	50.5	1.1
38	35.6	85	43.8	51	5	38 x 1.2	4/M8 x 20	50.5	1.4
51	48.6	100	55	15	6	51 x 1.2	4/M8 x 20	64	0.8
51	48.6	100	55	25	6	51 x 1.2	4/M8 x 20	64	1.1
51	48.6	100	55	38	6	51 x 1.2	4/M8 x 20	64	1.4
51	48.6	100	55	51	6	51 x 1.2	4/M8 x 20	64	1.8
63	60.3	112	65.5	15	9.5	63.5 x 1.6	4/M8 x 25	77.5	1.1
63	60.3	112	65.5	25	9.5	63.5 x 1.6	4/M8 x 25	77.5	1.4
63	60.3	112	65.5	38	9.5	63.5 x 1.6	4/M8 x 25	77.5	1.8
63	60.3	112	65.5	51	9.5	63.5 x 1.6	4/M8 x 25	77.5	2.2
76	72.9	131	77	15	10	76.1 x 1.6	6/M8 x 25	91	1.4
76	72.9	131	77	25	10	76.1 x 1.6	6/M8 x 25	91	1.8
76	72.9	131	77	38	10	76.1 x 1.6	6/M8 x 25	91	2.3
76	72.9	131	77	51	10	76.1 x 1.6	6/M8 x 25	91	2.8
102	97.6	170	105	15	12	101.6 x 2	8/M8 x 30	119	2.5
102	97.6	170	105	25	12	101.6 x 2	8/M8 x 30	119	3.2
102	97.6	170	105	38	12	101.6 x 2	8/M8 x 30	119	3.9
102	97.6	170	105	51	12	101.6 x 2	8/M8 x 30	119	4.8

AWH-Connect and Accessories

AWH-Connect AD2000 Data Sheet (PED 2014/68/EU) SMS

Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN SMS	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
12	96,00	161 0 S012 12 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
12	99,00	161 0 S012 25 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
12	106,00	161 0 S012 38 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
12	111,00	161 0 S012 51 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
18	96,00	161 0 S018 12 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
18	99,00	161 0 S018 25 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
18	106,00	161 0 S018 38 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
18	111,00	161 0 S018 51 142 11	33,00	161 2 G025 05 022 11	16,00	161 3 M406 16 800 31	
25	119,00	161 0 S025 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	127,00	161 0 S025 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	143,00	161 0 S025 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
25	162,00	161 0 S025 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
38	119,00	161 0 S038 12 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
38	127,00	161 0 S038 25 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
38	143,00	161 0 S038 38 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
38	162,00	161 0 S038 51 142 11	35,00	161 2 G050 05 022 11	14,00	161 3 M408 20 800 31	
51	145,00	161 0 S051 15 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
51	151,00	161 0 S051 25 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
51	171,00	161 0 S051 38 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
51	188,00	161 0 S051 51 142 11	44,00	161 2 G064 06 022 11	14,00	161 3 M408 20 800 31	
63	159,00	161 0 S063 15 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
63	172,00	161 0 S063 25 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
63	190,00	161 0 S063 38 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
63	208,00	161 0 S063 51 142 11	57,00	161 2 G077 09 022 11	15,00	161 3 M408 25 800 31	
76	220,00	161 0 S076 15 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76	224,00	161 0 S076 25 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76	247,00	161 0 S076 38 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
76	264,00	161 0 S076 51 142 11	101,00	161 2 G091 10 022 11	23,00	161 3 M608 25 800 31	
102	398,00	161 0 S102 15 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
102	459,00	161 0 S102 25 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
102	499,00	161 0 S102 38 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	
102	515,00	161 0 S102 51 142 11	181,00	161 2 G119 12 022 11	33,00	161 3 M808 30 800 31	



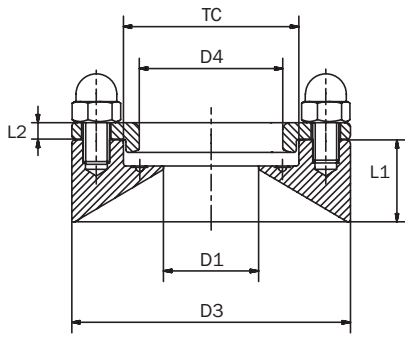
Pipe standard:
DIN 11866 Series A (DIN EN 10357, Series A)

AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) DIN

DN DIN	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
10	10	70	28.8	12	11	13 x 1.5	4/M8 x 25	34	0.6
10	10	70	28.8	25	11	13 x 1.5	4/M8 x 25	34	0.8
10	10	70	28.8	38	11	13 x 1.5	4/M8 x 25	34	1.0
10	10	70	28.8	51	11	13 x 1.5	4/M8 x 25	34	1.3
15	16	70	28.8	12	11	19 x 1.5	4/M8 x 25	34	0.6
15	16	70	28.8	25	11	19 x 1.5	4/M8 x 25	34	0.8
15	16	70	28.8	38	11	19 x 1.5	4/M8 x 25	34	1.0
15	16	70	28.8	51	11	19 x 1.5	4/M8 x 25	34	1.2
20	20	70	28.8	12	11	23 x 1.5	4/M8 x 25	34	0.5
20	20	70	28.8	25	11	23 x 1.5	4/M8 x 25	34	0.7
20	20	70	28.8	38	11	23 x 1.5	4/M8 x 25	34	1.0
20	20	70	28.8	51	11	23 x 1.5	4/M8 x 25	34	1.2
25	26	85	43.8	12	11	29 x 1.5	4/M8 x 25	50.5	0.8
25	26	85	43.8	25	11	29 x 1.5	4/M8 x 25	50.5	1.1
25	26	85	43.8	38	11	29 x 1.5	4/M8 x 25	50.5	1.4
25	26	85	43.8	51	11	29 x 1.5	4/M8 x 25	50.5	1.7
32	32	85	43.8	12	11	35 x 1.5	4/M8 x 25	50.5	0.8
32	32	85	43.8	25	11	35 x 1.5	4/M8 x 25	50.5	1.0
32	32	85	43.8	38	11	35 x 1.5	4/M8 x 25	50.5	1.2
32	32	85	43.8	51	11	35 x 1.5	4/M8 x 25	50.5	1.5
40	38	85	43.8	12	11	41 x 1.5	4/M8 x 25	50.5	0.7
40	38	85	43.8	25	11	41 x 1.5	4/M8 x 25	50.5	1.0
40	38	85	43.8	38	11	41 x 1.5	4/M8 x 25	50.5	1.2
40	38	85	43.8	51	11	41 x 1.5	4/M8 x 25	50.5	1.6
50	50	100	55	15	11	53 x 1.5	4/M8 x 25	64	1.0
50	50	100	55	25	11	53 x 1.5	4/M8 x 25	64	1.3
50	50	100	55	38	11	53 x 1.5	4/M8 x 25	64	1.6
50	50	100	55	51	11	53 x 1.5	4/M8 x 25	64	1.9
65	66	131	77	15	13.5	70 x 2.0	6/M8 x 30	91	1.7
65	66	131	77	25	13.5	70 x 2.0	6/M8 x 30	91	2.1
65	66	131	77	38	13.5	70 x 2.0	6/M8 x 30	91	2.6
65	66	131	77	51	13.5	70 x 2.0	6/M8 x 30	91	3.2
80	81	146	93.5	15	13.5	85 x 2.0	6/M8 x 30	106	1.9
80	81	146	93.5	25	13.5	85 x 2.0	6/M8 x 30	106	2.4
80	81	146	93.5	38	13.5	85 x 2.0	6/M8 x 30	106	3.0
80	81	146	93.5	51	13.5	85 x 2.0	6/M8 x 30	106	3.6
100	100	170	105	15	14	104 x 2.0	8/M8 x 30	119	2.7
100	100	170	105	25	14	104 x 2.0	8/M8 x 30	119	3.2
100	100	170	105	38	14	104 x 2.0	8/M8 x 30	119	4.0
100	100	170	105	51	14	104 x 2.0	8/M8 x 30	119	4.9

AWH-Connect and Accessories

AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) DIN							
Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN DIN	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
10	111,00	161 0 D010 12 142 21	43,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
10	120,00	161 0 D010 25 142 21	43,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
10	125,00	161 0 D010 38 142 21	43,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
10	133,00	161 0 D010 51 142 21	43,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
15	111,00	161 0 D015 12 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
15	120,00	161 0 D015 25 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
15	125,00	161 0 D015 38 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
15	133,00	161 0 D015 51 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
20	111,00	161 0 D020 12 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
20	120,00	161 0 D020 25 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
20	125,00	161 0 D020 38 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
20	133,00	161 0 D020 51 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31	
25	134,00	161 0 D025 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
25	143,00	161 0 D025 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
25	159,00	161 0 D025 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
25	178,00	161 0 D025 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
32	134,00	161 0 D032 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
32	143,00	161 0 D032 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
32	159,00	161 0 D032 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
32	178,00	161 0 D032 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
40	134,00	161 0 D040 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
40	143,00	161 0 D040 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
40	159,00	161 0 D040 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
40	178,00	161 0 D040 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
50	159,00	161 0 D050 15 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
50	165,00	161 0 D050 25 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
50	185,00	161 0 D050 38 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
50	202,00	161 0 D050 51 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
65	219,00	161 0 D065 15 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
65	223,00	161 0 D065 25 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
65	244,00	161 0 D065 38 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
65	260,00	161 0 D065 51 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
80	282,00	161 0 D080 15 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31	
80	305,00	161 0 D080 25 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31	
80	350,00	161 0 D080 38 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31	
80	389,00	161 0 D080 51 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31	
100	389,00	161 0 D100 15 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31	
100	444,00	161 0 D100 25 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31	
100	482,00	161 0 D100 38 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31	
100	496,00	161 0 D100 51 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31	



Pipe standard:
DIN 11866 Series B (DIN EN ISO 1127)

AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) ISO

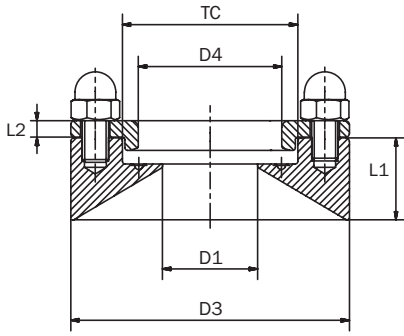
DN ISO	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
13.5	10.3	55	20	12	10	13.5 x 1.6	4/M6 x 25	25	0.4
13.5	10.3	55	20	25	10	13.5 x 1.6	4/M6 x 25	25	0.5
13.5	10.3	55	20	38	10	13.5 x 1.6	4/M6 x 25	25	0.6
13.5	10.3	55	20	51	10	13.5 x 1.6	4/M6 x 25	25	0.8
17.2	14	70	28.8	12	11	17.2 x 1.6	4/M8 x 25	34	0.6
17.2	14	70	28.8	25	11	17.2 x 1.6	4/M8 x 25	34	0.8
17.2	14	70	28.8	38	11	17.2 x 1.6	4/M8 x 25	34	1.0
17.2	14	70	28.8	51	11	17.2 x 1.6	4/M8 x 25	34	1.2
21.3	18.1	70	28.8	12	11	21.3 x 1.6	4/M8 x 25	34	0.6
21.3	18.1	70	28.8	25	11	21.3 x 1.6	4/M8 x 25	34	0.8
21.3	18.1	70	28.8	38	11	21.3 x 1.6	4/M8 x 25	34	1.0
21.3	18.1	70	28.8	51	11	21.3 x 1.6	4/M8 x 25	34	1.2
26.9	23.7	85	43.8	12	11	26.9 x 1.6	4/M8 x 25	50.5	0.8
26.9	23.7	85	43.8	25	11	26.9 x 1.6	4/M8 x 25	50.5	1.1
26.9	23.7	85	43.8	38	11	26.9 x 1.6	4/M8 x 25	50.5	1.4
26.9	23.7	85	43.8	51	11	26.9 x 1.6	4/M8 x 25	50.5	1.7
33.7	29.7	85	43.8	12	11	33.7x2.0	4/M8 x 25	50.5	0.8
33.7	29.7	85	43.8	25	11	33.7x2.0	4/M8 x 25	50.5	1.0
33.7	29.7	85	43.8	38	11	33.7x2.0	4/M8 x 25	50.5	1.3
33.7	29.7	85	43.8	51	11	33.7x2.0	4/M8 x 25	50.5	1.6
42.4	38.4	100	55	15	11	42.4 x 2.0	4/M8 x 25	64	1.1
42.4	38.4	100	55	25	11	42.4 x 2.0	4/M8 x 25	64	1.3
42.4	38.4	100	55	38	11	42.4 x 2.0	4/M8 x 25	64	1.7
42.4	38.4	100	55	51	11	42.4 x 2.0	4/M8 x 25	64	2.1
48.3	44.3	100	55	15	11	48.3 x 2.0	4/M8 x 25	64	1.0
48.3	44.3	100	55	25	11	48.3 x 2.0	4/M8 x 25	64	1.3
48.3	44.3	100	55	38	11	48.3 x 2.0	4/M8 x 25	64	1.6
48.3	44.3	100	55	51	11	48.3 x 2.0	4/M8 x 25	64	2.0
60.3	56.3	112	65.5	15	11.5	60.3 x 2.0	4/M8 x 25	77.5	1.2
60.3	56.3	112	65.5	25	11.5	60.3 x 2.0	4/M8 x 25	77.5	1.5
60.3	56.3	112	65.5	38	11.5	60.3 x 2.0	4/M8 x 25	77.5	1.9
60.3	56.3	112	65.5	51	11.5	60.3 x 2.0	4/M8 x 25	77.5	2.4
76.1	72.1	131	77	15	13.5	76.1 x 2.0	6/M8 x 30	91	1.7
76.1	72.1	131	77	25	13.5	76.1 x 2.0	6/M8 x 30	91	2.0
76.1	72.1	131	77	38	13.5	76.1 x 2.0	6/M8 x 30	91	2.5
76.1	72.1	131	77	51	13.5	76.1 x 2.0	6/M8 x 30	91	3.1
88.9	84.3	146	93.5	15	13.5	88.9 x 2.3	6/M8 x 30	106	1.9
88.9	84.3	146	93.5	25	13.5	88.9 x 2.3	6/M8 x 30	106	2.3
88.9	84.3	146	93.5	38	13.5	88.9 x 2.3	6/M8 x 30	106	2.9
88.9	84.3	146	93.5	51	13.5	88.9 x 2.3	6/M8 x 30	106	3.6
114.3	109.7	170	115	15	14	114.3 x 2.3	8/M8 x 30	130	2.3
114.3	109.7	170	115	25	14	114.3 x 2.3	8/M8 x 30	130	2.8
114.3	109.7	170	115	38	14	114.3 x 2.3	8/M8 x 30	130	3.4
114.3	109.7	170	115	51	14	114.3 x 2.3	8/M8 x 30	130	4.2

AWH-Connect and Accessories

AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) ISO

Complete 1.4435/1.4404 (316L)		Split ring 1.4404 (316L)		Fastening kit		
DN ISO	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.
13.5	105,00	161 0 I013 12 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
13.5	109,00	161 0 I013 25 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
13.5	116,00	161 0 I013 38 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
13.5	121,00	161 0 I013 51 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
17.2	111,00	161 0 I017 12 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
17.2	120,00	161 0 I017 25 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
17.2	125,00	161 0 I017 38 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
17.2	133,00	161 0 I017 51 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
21.3	111,00	161 0 I021 12 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
21.3	120,00	161 0 I021 25 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
21.3	125,00	161 0 I021 38 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
21.3	133,00	161 0 I021 51 142 21	42,00	161 2 G034 11 022 21	15,00	161 3 M408 25 800 31
26.9	134,00	161 0 I026 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
26.9	143,00	161 0 I026 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
26.9	159,00	161 0 I026 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
26.9	178,00	161 0 I026 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
33.7	134,00	161 0 I033 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
33.7	143,00	161 0 I033 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
33.7	159,00	161 0 I033 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
33.7	178,00	161 0 I033 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
42.4	159,00	161 0 I042 15 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
42.4	165,00	161 0 I042 25 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
42.4	185,00	161 0 I042 38 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
42.4	202,00	161 0 I042 51 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
48.3	159,00	161 0 I048 15 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
48.3	165,00	161 0 I048 25 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
48.3	185,00	161 0 I048 38 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
48.3	202,00	161 0 I048 51 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
60.3	168,00	161 0 I060 15 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
60.3	181,00	161 0 I060 25 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
60.3	199,00	161 0 I060 38 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
60.3	217,00	161 0 I060 51 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
76.1	219,00	161 0 I076 15 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76.1	223,00	161 0 I076 25 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76.1	244,00	161 0 I076 38 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76.1	260,00	161 0 I076 51 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
88.9	282,00	161 0 I088 15 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31
88.9	305,00	161 0 I088 25 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31
88.9	350,00	161 0 I088 38 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31
88.9	389,00	161 0 I088 51 142 21	121,00	161 2 G106 13 022 21	25,00	161 3 M608 30 800 31
114.3	463,00	161 0 I114 15 142 21	275,00	161 2 G130 14 022 21	33,00	161 3 M808 30 800 31
114.3	503,00	161 0 I114 25 142 21	275,00	161 2 G130 14 022 21	33,00	161 3 M808 30 800 31
114.3	554,00	161 0 I114 38 142 21	275,00	161 2 G130 14 022 21	33,00	161 3 M808 30 800 31
114.3	606,00	161 0 I114 51 142 21	275,00	161 2 G130 14 022 21	33,00	161 3 M808 30 800 31

AWH-Connect and Accessories



Pipe standard:
DIN 11866 Series C (ASME-BPE)

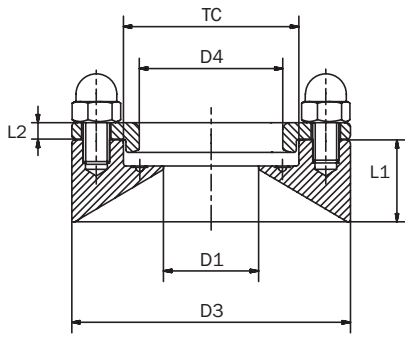
AWH-Connect with metric Thread Bolts EN 13445 (PED2014/68/EU) Inch

DN Inch	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
1/2"	9.4	55	20	12	10	12.7 x 1.65	4/M6 x 25	25	0.4
1/2"	9.4	55	20	25	10	12.7 x 1.65	4/M6 x 25	25	0.5
1/2"	9.4	55	20	38	10	12.7 x 1.65	4/M6 x 25	25	0.6
1/2"	9.4	55	20	51	10	12.7 x 1.65	4/M6 x 25	25	0.8
3/4"	15.8	55	20	12	10	19.05 x 1.65	4/M6 x 25	25	0.4
3/4"	15.8	55	20	25	10	19.05 x 1.65	4/M6 x 25	25	0.5
3/4"	15.8	55	20	38	10	19.05 x 1.65	4/M6 x 25	25	0.6
3/4"	15.8	55	20	51	10	19.05 x 1.65	4/M6 x 25	25	0.7
1"	22.1	85	43.8	12	11	25.4 x 1.65	4/M8 x 25	50.5	0.8
1"	22.1	85	43.8	25	11	25.4 x 1.65	4/M8 x 25	50.5	1.1
1"	22.1	85	43.8	38	11	25.4 x 1.65	4/M8 x 25	50.5	1.4
1"	22.1	85	43.8	51	11	25.4 x 1.65	4/M8 x 25	50.5	1.7
1 1/2"	34.8	85	43.8	12	11	38.1 x 1.65	4/M8 x 25	50.5	0.8
1 1/2"	34.8	85	43.8	25	11	38.1 x 1.65	4/M8 x 25	50.5	1.0
1 1/2"	34.8	85	43.8	38	11	38.1 x 1.65	4/M8 x 25	50.5	1.3
1 1/2"	34.8	85	43.8	51	11	38.1 x 1.65	4/M8 x 25	50.5	1.5
2"	47.5	100	55	15	11	50.8 x 1.65	4/M8 x 25	64	1.0
2"	47.5	100	55	25	11	50.8 x 1.65	4/M8 x 25	64	1.3
2"	47.5	100	55	38	11	50.8 x 1.65	4/M8 x 25	64	1.6
2"	47.5	100	55	51	11	50.8 x 1.65	4/M8 x 25	64	2.0
2 1/2"	60.2	112	65.5	15	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.2
2 1/2"	60.2	112	65.5	25	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.5
2 1/2"	60.2	112	65.5	38	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.9
2 1/2"	60.2	112	65.5	51	11.5	63.5 x 1.65	4/M8 x 25	77.5	2.3
3"	72.9	131	77	15	13.5	76.2 x 1.65	6/M8 x 30	91	1.6
3"	72.9	131	77	25	13.5	76.2 x 1.65	6/M8 x 30	91	2.0
3"	72.9	131	77	38	13.5	76.2 x 1.65	6/M8 x 30	91	2.5
3"	72.9	131	77	51	13.5	76.2 x 1.65	6/M8 x 30	91	3.0
4"	97.4	170	105	15	14	101.6 x 2.11	8/M8 x 30	119	2.5
4"	97.4	170	105	25	14	101.6 x 2.11	8/M8 x 30	119	3.2
4"	97.4	170	105	38	14	101.6 x 2.11	8/M8 x 30	119	3.9
4"	97.4	170	105	51	14	101.6 x 2.11	8/M8 x 30	119	4.8

AWH-Connect and Accessories

AWH-Connect with metric Thread Bolts EN 13445 (PED2014/68/EU) Inch							
Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN Inch	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
1/2"	105,00	161 0 A050 12 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
1/2"	109,00	161 0 A050 25 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
1/2"	116,00	161 0 A050 38 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
1/2"	121,00	161 0 A050 51 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
3/4"	105,00	161 0 A075 12 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
3/4"	109,00	161 0 A075 25 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
3/4"	116,00	161 0 A075 38 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
3/4"	121,00	161 0 A075 51 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31	
1"	134,00	161 0 A100 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1"	143,00	161 0 A100 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1"	159,00	161 0 A100 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1"	178,00	161 0 A100 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1 1/2"	134,00	161 0 A150 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1 1/2"	143,00	161 0 A150 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1 1/2"	159,00	161 0 A150 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
1 1/2"	178,00	161 0 A150 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31	
2"	159,00	161 0 A200 15 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
2"	165,00	161 0 A200 25 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
2"	185,00	161 0 A200 38 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
2"	202,00	161 0 A200 51 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31	
2 1/2"	168,00	161 0 A250 15 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31	
2 1/2"	181,00	161 0 A250 25 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31	
2 1/2"	199,00	161 0 A250 38 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31	
2 1/2"	217,00	161 0 A250 51 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31	
3"	219,00	161 0 A300 15 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
3"	223,00	161 0 A300 25 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
3"	244,00	161 0 A300 38 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
3"	260,00	161 0 A300 51 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31	
4"	389,00	161 0 A400 15 142 21	189,00	161 2 G119 13 022 21	33,00	161 3 M808 30 800 31	
4"	444,00	161 0 A400 25 142 21	189,00	161 2 G119 13 022 21	33,00	161 3 M808 30 800 31	
4"	482,00	161 0 A400 38 142 21	189,00	161 2 G119 13 022 21	33,00	161 3 M808 30 800 31	
4"	496,00	161 0 A400 51 142 21	189,00	161 2 G119 13 022 21	33,00	161 3 M808 30 800 31	

AWH-Connect and Accessories



Pipe standard:
SMS 3008

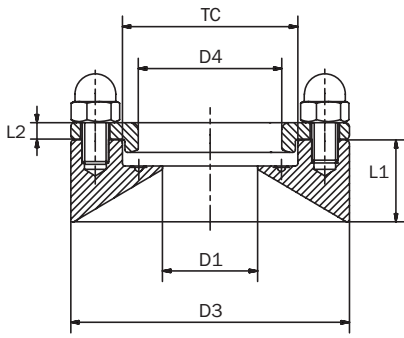
AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) SMS

DN SMS	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
12	10	55	20	12	10	12 x 1	4/M6 x 25	25	0.4
12	10	55	20	25	10	12 x 1	4/M6 x 25	25	0.5
12	10	55	20	38	10	12 x 1	4/M6 x 25	25	0.6
12	10	55	20	51	10	12 x 1	4/M6 x 25	25	0.8
18	15	55	20	12	10	18 X 1	4/M6 x 25	25	0.4
18	15	55	20	25	10	18 X 1	4/M6 x 25	25	0.5
18	15	55	20	38	10	18 X 1	4/M6 x 25	25	0.6
18	15	55	20	51	10	18 X 1	4/M6 x 25	25	0.8
25	22.6	85	43.8	12	11	25 x 1.2	4/M8 x 25	50.5	0.8
25	22.6	85	43.8	25	11	25 x 1.2	4/M8 x 25	50.5	1.1
25	22.6	85	43.8	38	11	25 x 1.2	4/M8 x 25	50.5	1.3
25	22.6	85	43.8	51	11	25 x 1.2	4/M8 x 25	50.5	1.7
38	35.6	85	43.8	12	11	38 x 1.2	4/M8 x 25	50.5	0.8
38	35.6	85	43.8	25	11	38 x 1.2	4/M8 x 25	50.5	1.0
38	35.6	85	43.8	38	11	38 x 1.2	4/M8 x 25	50.5	1.3
38	35.6	85	43.8	51	11	38 x 1.2	4/M8 x 25	50.5	1.6
51	48.6	100	55	15	11	51 x 1.2	4/M8 x 25	64	1.0
51	48.6	100	55	25	11	51 x 1.2	4/M8 x 25	64	1.3
51	48.6	100	55	38	11	51 x 1.2	4/M8 x 25	64	1.6
51	48.6	100	55	51	11	51 x 1.2	4/M8 x 25	64	2.0
63	60.3	112	65.5	15	11.5	63.5 x 1.6	4/M8 x 25	77.5	1.2
63	60.3	112	65.5	25	11.5	63.5 x 1.6	4/M8 x 25	77.5	1.5
63	60.3	112	65.5	38	11.5	63.5 x 1.6	4/M8 x 25	77.5	1.9
63	60.3	112	65.5	51	11.5	63.5 x 1.6	4/M8 x 25	77.5	2.3
76	72.9	131	77	15	13.5	76.1 x 1.6	6/M8 x 30	91	1.6
76	72.9	131	77	25	13.5	76.1 x 1.6	6/M8 x 30	91	2.0
76	72.9	131	77	38	13.5	76.1 x 1.6	6/M8 x 30	91	2.5
76	72.9	131	77	51	13.5	76.1 x 1.6	6/M8 x 30	91	3.0
102	97.6	170	105	15	14	101.6 x 2	8/M8 x 30	119	2.7
102	97.6	170	105	25	14	101.6 x 2	8/M8 x 30	119	3.4
102	97.6	170	105	38	14	101.6 x 2	8/M8 x 30	119	4.1
102	97.6	170	105	51	14	101.6 x 2	8/M8 x 30	119	5.0

AWH-Connect and Accessories

AWH-Connect with metric Thread Bolts EN 13445 (PED 2014/68/EU) SMS						
Complete 1.4435/1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit	
DN SMS	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.
12	105,00	161 0 S012 12 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
12	109,00	161 0 S012 25 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
12	116,00	161 0 S012 38 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
12	121,00	161 0 S012 51 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
18	105,00	161 0 S018 12 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
18	109,00	161 0 S018 25 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
18	116,00	161 0 S018 38 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
18	121,00	161 0 S018 51 142 21	43,00	161 2 G025 10 022 21	16,00	161 3 M406 20 800 31
25	134,00	161 0 S025 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
25	143,00	161 0 S025 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
25	159,00	161 0 S025 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
25	178,00	161 0 S025 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
38	134,00	161 0 S038 12 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
38	143,00	161 0 S038 25 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
38	159,00	161 0 S038 38 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
38	178,00	161 0 S038 51 142 21	52,00	161 2 G050 11 022 21	15,00	161 3 M408 25 800 31
51	159,00	161 0 S051 15 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
51	165,00	161 0 S051 25 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
51	185,00	161 0 S051 38 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
51	202,00	161 0 S051 51 142 21	60,00	161 2 G064 11 022 21	15,00	161 3 M408 25 800 31
63	168,00	161 0 S063 15 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
63	181,00	161 0 S063 25 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
63	199,00	161 0 S063 38 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
63	217,00	161 0 S063 51 142 21	67,00	161 2 G077 11 022 21	15,00	161 3 M408 25 800 31
76	219,00	161 0 S076 15 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76	223,00	161 0 S076 25 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76	244,00	161 0 S076 38 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
76	260,00	161 0 S076 51 142 21	107,00	161 2 G091 13 022 21	25,00	161 3 M608 30 800 31
102	389,00	161 0 S102 15 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31
102	444,00	161 0 S102 25 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31
102	482,00	161 0 S102 38 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31
102	496,00	161 0 S102 51 142 21	189,00	161 2 G119 14 022 21	33,00	161 3 M808 30 800 31

AWH-Connect and Accessories



Pipe standard:
DIN 11866 Series C (ASME-BPE)

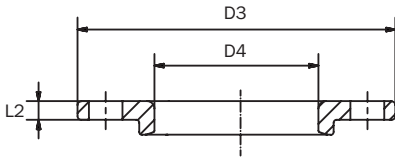
AWH-Connect with metric Thread Bolts ASME VIII Inch

DN Inch	D1	D3	D4	L1	L2	Pipe-Ø	Thread bolts	TC	Weight [kg]
1/2"	9.4	55	20	12	10	12.7 x 1.65	4/M6 x 25	25	0.4
1/2"	9.4	55	20	25	10	12.7 x 1.65	4/M6 x 25	25	0.5
1/2"	9.4	55	20	38	10	12.7 x 1.65	4/M6 x 25	25	0.6
1/2"	9.4	55	20	51	10	12.7 x 1.65	4/M6 x 25	25	0.8
3/4"	15.8	55	20	12	10	19.05 x 1.65	4/M6 x 25	25	0.4
3/4"	15.8	55	20	25	10	19.05 x 1.65	4/M6 x 25	25	0.5
3/4"	15.8	55	20	38	10	19.05 x 1.65	4/M6 x 25	25	0.6
3/4"	15.8	55	20	51	10	19.05 x 1.65	4/M6 x 25	25	0.7
1"	22.1	85	43.8	12	11	25.4 x 1.65	4/M8 x 25	50.5	0.8
1"	22.1	85	43.8	25	11	25.4 x 1.65	4/M8 x 25	50.5	1.1
1"	22.1	85	43.8	38	11	25.4 x 1.65	4/M8 x 25	50.5	1.4
1"	22.1	85	43.8	51	11	25.4 x 1.65	4/M8 x 25	50.5	1.7
1 1/2"	34.8	85	43.8	12	11	38.1 x 1.65	4/M8 x 25	50.5	0.8
1 1/2"	34.8	85	43.8	25	11	38.1 x 1.65	4/M8 x 25	50.5	1.0
1 1/2"	34.8	85	43.8	38	11	38.1 x 1.65	4/M8 x 25	50.5	1.3
1 1/2"	34.8	85	43.8	51	11	38.1 x 1.65	4/M8 x 25	50.5	1.5
2"	47.5	100	55	15	11	50.8 x 1.65	4/M8 x 25	64	1.0
2"	47.5	100	55	25	11	50.8 x 1.65	4/M8 x 25	64	1.3
2"	47.5	100	55	38	11	50.8 x 1.65	4/M8 x 25	64	1.6
2"	47.5	100	55	51	11	50.8 x 1.65	4/M8 x 25	64	2.0
2 1/2"	60.2	112	65.5	15	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.2
2 1/2"	60.2	112	65.5	25	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.5
2 1/2"	60.2	112	65.5	38	11.5	63.5 x 1.65	4/M8 x 25	77.5	1.9
2 1/2"	60.2	112	65.5	51	11.5	63.5 x 1.65	4/M8 x 25	77.5	2.3
3"	72.9	131	77	15	13.5	76.2 x 1.65	6/M8 x 30	91	1.6
3"	72.9	131	77	25	13.5	76.2 x 1.65	6/M8 x 30	91	2.0
3"	72.9	131	77	38	13.5	76.2 x 1.65	6/M8 x 30	91	2.5
3"	72.9	131	77	51	13.5	76.2 x 1.65	6/M8 x 30	91	3.0
4"	97.4	170	105	15	14	101.6 x 2.11	8/M8 x 30	119	2.5
4"	97.4	170	105	25	14	101.6 x 2.11	8/M8 x 30	119	3.2
4"	97.4	170	105	38	14	101.6 x 2.11	8/M8 x 30	119	3.9
4"	97.4	170	105	51	14	101.6 x 2.11	8/M8 x 30	119	4.8

AWH-Connect and Accessories

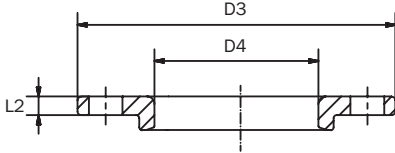
AWH-Connect with metric Thread Bolts ASME VIII Inch							
Complete 1.4404 (316L)			Split ring 1.4404 (316L)		Fastening kit		
DN Inch	Price/EUR	Article No.	Price/EUR	Article No.	Price/EUR	Article No.	
1/2"	131,00	161 0 A050 12 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
1/2"	134,00	161 0 A050 25 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
1/2"	142,00	161 0 A050 38 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
1/2"	147,00	161 0 A050 51 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
3/4"	131,00	161 0 A075 12 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
3/4"	134,00	161 0 A075 25 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
3/4"	142,00	161 0 A075 38 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
3/4"	147,00	161 0 A075 51 142 41	43,00	161 2 G025 10 022 21	50,00	161 3 M406 20 900 41	
1"	159,00	161 0 A100 12 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1"	167,00	161 0 A100 25 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1"	183,00	161 0 A100 38 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1"	202,00	161 0 A100 51 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1 1/2"	159,00	161 0 A150 12 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1 1/2"	167,00	161 0 A150 25 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1 1/2"	183,00	161 0 A150 38 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
1 1/2"	202,00	161 0 A150 51 142 41	52,00	161 2 G050 11 022 21	44,00	161 3 M408 25 900 41	
2"	183,00	161 0 A200 15 142 41	60,00	161 2 G064 11 022 21	44,00	161 3 M408 25 900 41	
2"	189,00	161 0 A200 25 142 41	60,00	161 2 G064 11 022 21	44,00	161 3 M408 25 900 41	
2"	209,00	161 0 A200 38 142 41	60,00	161 2 G064 11 022 21	44,00	161 3 M408 25 900 41	
2"	226,00	161 0 A200 51 142 41	60,00	161 2 G064 11 022 21	44,00	161 3 M408 25 900 41	
2 1/2"	193,00	161 0 A250 15 142 41	67,00	161 2 G077 11 022 21	44,00	161 3 M408 25 900 41	
2 1/2"	206,00	161 0 A250 25 142 41	67,00	161 2 G077 11 022 21	44,00	161 3 M408 25 900 41	
2 1/2"	223,00	161 0 A250 38 142 41	67,00	161 2 G077 11 022 21	44,00	161 3 M408 25 900 41	
2 1/2"	242,00	161 0 A250 51 142 41	67,00	161 2 G077 11 022 21	44,00	161 3 M408 25 900 41	
3"	259,00	161 0 A300 15 142 41	107,00	161 2 G091 13 022 21	66,00	161 3 M608 30 900 41	
3"	263,00	161 0 A300 25 142 41	107,00	161 2 G091 13 022 21	66,00	161 3 M608 30 900 41	
3"	284,00	161 0 A300 38 142 41	107,00	161 2 G091 13 022 21	66,00	161 3 M608 30 900 41	
3"	299,00	161 0 A300 51 142 41	107,00	161 2 G091 13 022 21	66,00	161 3 M608 30 900 41	
4"	450,00	161 0 A400 15 142 41	189,00	161 2 G119 13 022 21	88,00	161 3 M808 30 900 41	
4"	506,00	161 0 A400 25 142 41	189,00	161 2 G119 13 022 21	88,00	161 3 M808 30 900 41	
4"	543,00	161 0 A400 38 142 41	189,00	161 2 G119 13 022 21	88,00	161 3 M808 30 900 41	
4"	558,00	161 0 A400 51 142 41	189,00	161 2 G119 13 022 21	88,00	161 3 M808 30 900 41	

AWH-Connect and Accessories



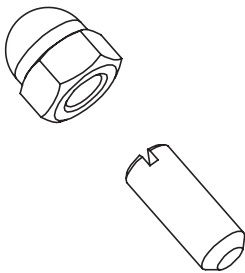
Split Ring for AWH-Connect AD2000 Data Sheet (PED 2014/68/EU)

D3	D4	L2	Flange holes	TC	Weight [kg]
55	20	5	4/7	25	0.08
70	28.8	5	4/9	34	0.13
85	43.8	5	4/9	50.5	0.17
100	55	6	4/9	64	0.28
112	65.5	9.5	4/9	77.5	0.50
125	77	10	6/9	91	0.62
141.5	93.5	10	6/9	106	0.73
160	105	12	8/9	119	1.11
160	116	12	8/9	130	1.03



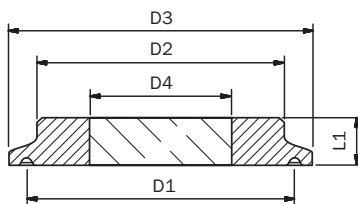
Split Ring for AWH-Connect EN 13445 (PED 2014/68/EU) / ASME VIII

D3	D4	L2	Flange holes	TC	Weight [kg]
55	20	10	4/7	25	0.16
70	28.8	11	4/7	34	0.27
85	43.8	11	4/9	50.5	0.36
100	55	11	4/9	64	0.49
112	65.5	11.5	4/9	77.5	0.61
125	77	13.5	6/9	91	0.83
141.5	93.5	13.5	6/9	106	0.97
160	105	14	8/9	119	1.29
164	116	14	8/9	130	1.19



Fastening Kit for AWH-Connect

Bolts	Nuts	Weight [kg]
4/M6 x 16	4/M6	0.03
4/M6 x 25	4/M6	0.04
4/M8 x 20	4/M8	0.07
4/M8 x 25	4/M8	0.07
6/M8 x 25	6/M8	0.11
4/M8 x 30	4/M8	0.09
6/M8 x 30	6/M8	0.14
8/M8 x 30	8/M8	0.18



AWH-Connect Sight Glass for Clamp Connection DIN 32676

DN DIN	DN Inch	D1	D2	D3	D4	L1	Weight [kg]
25 - 40	1" / 1 1/2"	43.5	38	50.5	25	10	0.13
50	2"	56.5	52	64	30	10	0.14
	2 1/2"	70.5	63.5	77.5	35	10	0.28
65	3"	83.5	76	91	40	10	0.38
80		97	90	106	50	10	0.50
100	4"	110	101	119	55	12	0.80

AWH-Connect and Accessories

Split Ring for AWH-Connect AD2000 Data Sheet (PED 2014/68/EU)

1.4404 (316L)		
D3	Price/EUR	Article No.
55	33,00	161 2 G025 05 022 11
70	32,00	161 2 G034 05 022 11
85	35,00	161 2 G050 05 022 11
100	44,00	161 2 G064 06 022 11
112	57,00	161 2 G077 09 022 11
125	101,00	161 2 G091 10 022 11
141.5	120,00	161 2 G106 10 022 11
160	181,00	161 2 G119 12 022 11
160	182,00	161 2 G130 12 022 11

Split Ring for AWH-Connect EN 13445 (PED 2014/68/EU) / ASME VIII

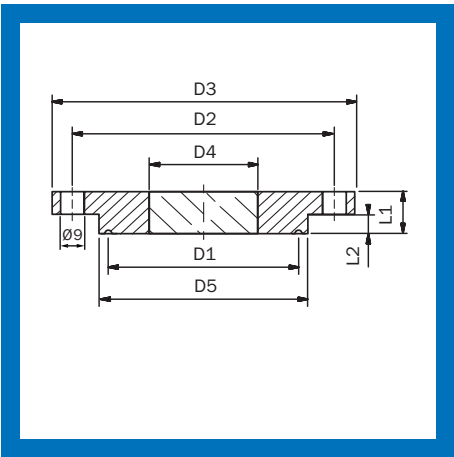
1.4404 (316L)		
D3	Price/EUR	Article No.
55	43,00	161 2 G025 10 022 21
70	42,00	161 2 G034 11 022 21
85	52,00	161 2 G050 11 022 21
100	60,00	161 2 G064 11 022 21
112	67,00	161 2 G077 11 022 21
125	107,00	161 2 G091 13 022 21
141.5	121,00	161 2 G106 13 022 21
160	189,00	161 2 G119 14 022 21
164	275,00	161 2 G130 14 022 21

Fastening Kit for AWH-Connect

A4-70/A4-50			SA193 B8M / SA194 8M	
Nuts	Price/EUR	Article No.	Price/EUR	Article No.
4/M6	16,00	161 3 M406 16 800 31		
4/M6	16,00	161 3 M406 25 800 31	50,00	161 3 M406 25 900 41
4/M8	14,00	161 3 M408 20 800 31		
4/M8	15,00	161 3 M408 25 800 31	44,00	161 3 M408 25 900 41
6/M8	23,00	161 3 M608 25 800 31		
4/M8	17,00	161 3 M408 30 800 31		
6/M8	25,00	161 3 M608 30 800 31	66,00	161 3 M608 30 900 41
8/M8	33,00	161 3 M808 30 800 31	88,00	161 3 M808 30 900 41

AWH-Connect Sight Glass for Clamp Connection DIN 32676

1.4462 / borosilicate			
DN DIN	DN Inch	Price/EUR	Article No.
25 - 40	1" / 1 1/2"	163,40	161 S 0508 01 061 11
50	2"	174,10	161 S 0648 01 061 11
	2 1/2"	200,90	161 S 0778 01 061 11
65	3"	232,90	161 S 0918 01 061 11
80		267,80	161 S 1068 01 061 11
100	4"	332,10	161 S 1198 01 061 11



Sight Glass Flange for AWH-Connect									
DN DIN	DN Inch	D1	D2	D3	D4	D5	L1	L2	Weight [kg]
25 - 40	1" / 1 1/2"	43.5	70	85	30	50.5	13	7	0.32
50	2"	56.5	83	100	35	64	14	8	0.50
	2 1/2"	70.5	97	112	40	77.5	17	8	0.87
65	3"	83.5	110	131	45	91	18	8	1.31
80		97	125	140	60	106	18	8	1.47
100	4"	110	142	170	65	119	18	7.5	1.95

Sight Glass Flange for AWH-Connect

1,4462 / borosilicate			
DN DIN	DN Inch	Price/EUR	Article No.
25 - 40	1" / 1 1/2"	449,90	161 S 0509 91 061 11
50	2"	495,50	161 S 0649 91 061 11
	2 1/2"	581,20	161 S 0779 91 061 11
65	3"	674,90	161 S 0919 91 061 11
80		731,10	161 S 1069 91 061 11
100	4"	816,80	161 S 1199 91 061 11

AWH-Lids Technical Information

Pressure Equipment Directive (DGRL) in Relation to the Tank Lids

The introduction of the new pressure equipment directive 2014/68/EU has been created as a basis for free trade within the European Union. The introduction of this standardized directive for manufacturing pressure devices and parts creates the necessary conditions for fair and clear competition between the EU member states.

Technical scope

The pressure equipment directive states that only complete piping or tanks can be tested. This means that, according to the pressure equipment directive, individual components (e.g. individual pipes, screw connections, T-pieces, bends and similar parts) cannot carry the CE label.

Guideline 1/22 supports this statement. This guideline contains notes for applying the directive to components for pressure vessels. The components must be designed and manufactured according to the requirements of the pressure equipment directive. Since these parts do not correspond to the definition for pressure equipment Article 1 Paragraph (2) No. 2.1, they are not given a CE label. The manufacturer of the pressure equipment is responsible for this and must ensure that the components used enable the pressure equipment to fulfill the key safety requirements specified in the directive.

Use with a pressure dome lid

AWH and Boyer, our partners in the tank lids range, are authorized to manufacture pressure equipment according to the pressure equipment directive. The necessary valid welding authorizations, a QA department, the TÜV marking transfer certificate, as well as a "notified body" certificate for manufacturing pressure equipment are present.

The tank lids assembly group is a component for pressure equipment and, according to guideline 1.22 (see above), falls outside the direct testing requirements defined in the pressure equipment directive. When welded on to the tank, however, the lid is subject to the test requirements in accordance with the pressure equipment directive.

In deviation from the pressure equipment directive, AWH can provide a component test for the pressure dome lid on request. This enables you to incorporate the pressure dome lid easily in your pressure equipment directive overall test.

The scope of supply for the type-tested pressure dome lid includes

- EC declaration of conformity
- Test report for the component test
- Operating instructions
- Material certificate list with drawing

Use with storage tank lid

Due to Article 1, Point 3.21, storage tanks fall outside the scope of the pressure equipment directive. Storage tanks are vessels where the gas pressure over the fluid must not exceed 0.5 bar. When choosing the lid, it is important to consider the prevalent operating pressure, which must not exceed the maximum permissible pressure for the lid.

Seal Ring for AWH-Lids

The chemical resistance of the seals is heavily influenced by the temperature of the liquid, the duration of contact and, in the case of chemical solutions, the concentration of the active product. The following strength values are for orientation purposes only and are fundamentally influenced by the following factors: Composition of the rubber mixture, changes in temperature or degree of expansion, weathering influences, duration of stress etc.

Technical Parameters			
Sealing material	Color*	F.D.A.	Max. temperature
EPDM	Grey	Section 21 CFR 177.2600	-40 to +130 °C / -40 to 266 °F
FKM	Black	Section 21 CFR 177.2600	-10 to +200 °C / 14 to 392 °F
Natural rubber	White	Section 21 CFR 177.2600	-40 to +70 °C / -40 to 158 °F
NBR	Bronze	Section 21 CFR 177.2600	-20 to +110 °C / -4 to 230 °F
Silicon	Yellow-white translucent	Section 21 CFR 177.2600	-50 to +200 °C / -58 to 392 °F

* with reservations

P11 - Manlid with conical Frame



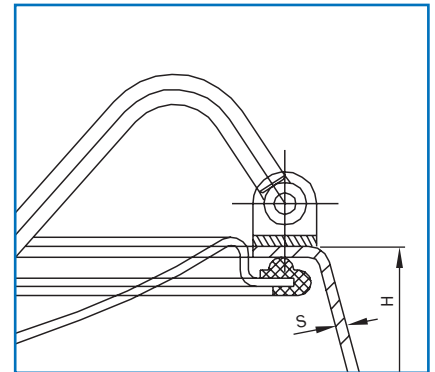
The lid type P11 is mainly installed in storage tanks. It provides access for maintenance and repair. The tapered frame shape means that the lid can be adapted easily to the tank. The curve of the tank is compensated for by the frame height.

The typical installation location is on the side in the bottom area to enable inspections to be carried out safely and easily. The static water column supports the sealing. The lid is CIP-enabled.

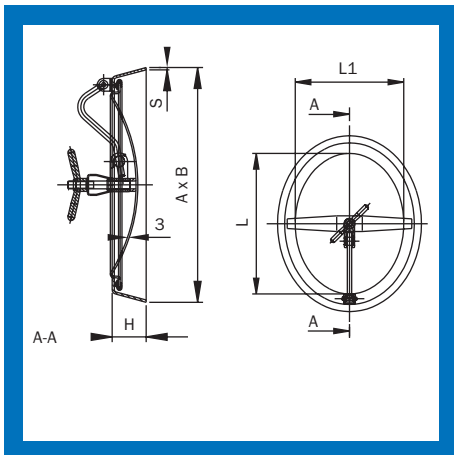
Technical Parameters

Materials:	1.4404 (316L)
Max. static pressure:	2.4 bar / 34.8 psi at 150 °C / 302 °F
Seal rings:	EPDM, NBR, Silicone, natural rubber, FKM, other materials on request
Surfaces:	Lid electropolished, frame blasted
Internal dimensions:	340 x 440 mm

- Oval stainless steel manlid
- Opening inwards
- Positioned in the upper or lower region of the tank
- Bead seal ring pulled over the edge of the lid



Ordering Information



Manlid with conical Frame, without Seal Ring

Type	A x B	H	L	L1	V	Weight [kg]	1.4404 (316L)	
							Price/EUR	Article No.
P11-340-440 ED	450 x 550	80	440	340	4	12	*	6B0111100000

Seal Ring for Manlid with conical Frame

Type	NBR	Silicone	EPDM	FKM	Natural rubber
	Article No.	Article No.	Article No.	Article No.	Article No.
P11-340-440 ED	6B0540100020	6B0540100029	6B0540100011	6B0540100652	6B0540100008

P11 - Manlid with flat Frame



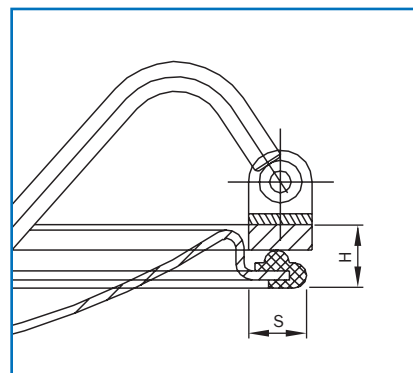
The lid type P11 is mainly installed in storage tanks with plane surfaces. It provides access for maintenance and repair. The flat frame shape prevents a dome from forming. The flat frame height also enables efficient cleaning.

The typical installation location is at the side or on the top. The static water column supports the sealing. The lid is CIP-enabled.

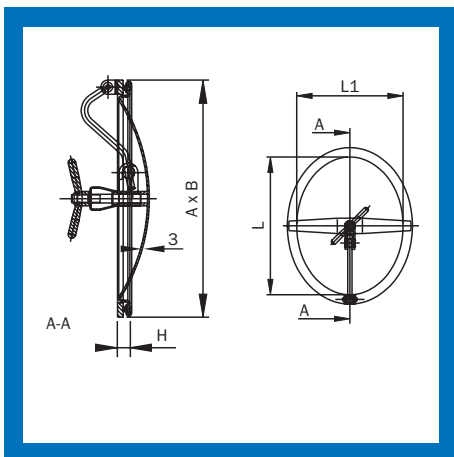
Technical Parameters

Materials:	1.4404 (316L)
Max. static pressure:	2.4 bar / 34.8 psi at 150 °C / 302 °F
Seal rings:	EPDM, NBR, Silicone, FKM, natural rubber, other materials on request
Surfaces:	Lid electropolished, frame blasted
Internal dimensions:	340 x 440 mm

- Oval stainless steel manlid
- Opening inwards
- Positioned in the upper or lower region of the tank
- Bead seal pulled over the edge of the lid



Ordering Information



Manlid with flat Frame, without Seal Ring

Type	A x B	H	L	L1	V	Weight [kg]	1.4404 (316L)	
							Price/EUR	Article No.
P11-340-440 P	400 x 500	12	440	340	30	11	*	6B0111120001

Seal Ring for Manlid with flat Frame

Type	NBR	Silicone	EPDM	FKM	Natural rubber
	Article No.	Article No.	Article No.	Article No.	Article No.
P11-340-440 P	6B0540100020	6B0540100029	6B0540100011	6B0540100652	6B0540100008

P11 - Manlid with low Frame



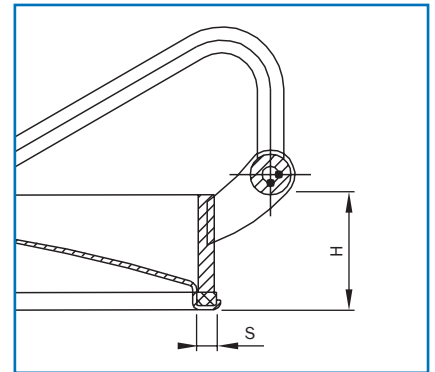
The lid type P11 is mainly installed in storage tanks. It provides access for maintenance and repair. The curve of the tank is compensated for by the frame height. The most common installation location is on the side in the bottom area to enable inspections to be carried out safely and easily.

The static water column supports the sealing. The advantage of this lid is in the design of the sealing. It enables particularly efficient cleaning.

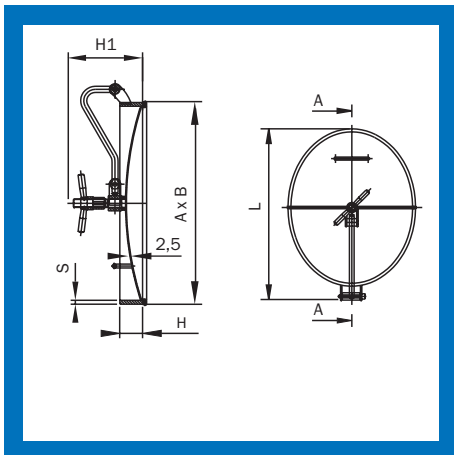
Technical Parameters

Materials: 1.4404 (316L)
Max. static pressure: 1.7 bar / 24.7 psi at 150 °C / 302 °F
Seal rings: EPDM, NBR, Silicone, FKM, other materials on request
Surfaces: Lid electropolished, frame brushed

- Oval stainless steel manlid
- Opening inwards
- Positioned in the upper or lower region of the tank
- Square seal in the lid, glued



Ordering Information



Manlid with low Frame, with Seal Ring

Type / Seal Ring	A x B	H	H1	L	V	Weight [kg]	1.4404 (316L)	
							Price/EUR	Article No.
P11-410-510 / Silicone	410 x 510	60	192	577	10	19	*	6B0111140000/0
P11-410-510 / EPDM	410 x 510	60	192	577	10	19	*	6B0111140000/1
P11-410-510 / FKM	410 x 510	60	192	577	10	19	*	6B0111140000/2
P11-410-510 / NBR	410 x 510	60	192	577	10	19	*	6B0111140000/3

P22 - Pressure Dome Lid



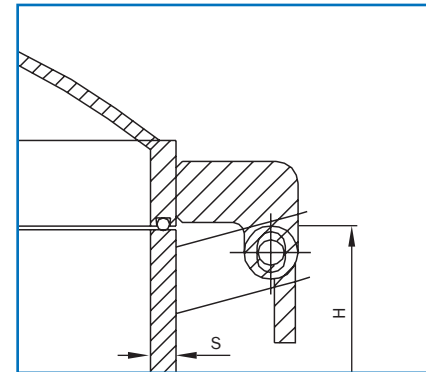
The P22 pressure dome lid is usually used in pressure tanks. It is mainly used for inspecting the inside of the tank. The lid can also be used for holding mixers, sight glasses and cleaning equipment. It is usually installed on top of the tank, but can also be installed on the side.

The permissible pressure depends on the diameter, the number of locking screws and the temperature. The pressure dome lid opens outwards. The sealing takes place via the preload force of the locking nuts (the internal pressure does not support the sealing!).

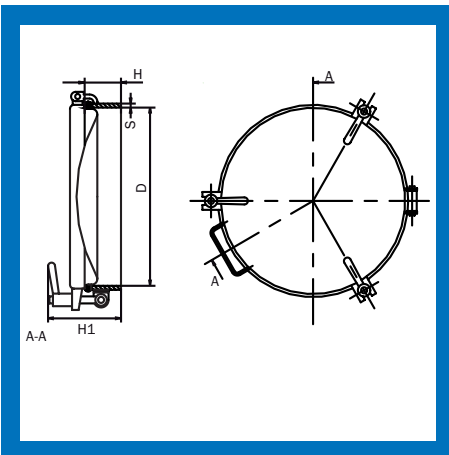
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: EPDM, NBR, FKM, Silicone, natural rubber
Surfaces: polished, matt brushed or blasted
Special accessories: Opening depth and sight glasses on request

- Round stainless steel dome lid
- Opening outwards
- O-ring seal in the lid



Ordering Information



Pressure Dome Lid without Seal Ring

Type	D	H	H1	V	Number of clamping devices	Max. permissible pressure [bar]			Weight [kg]	1.4404 (316L)	
max. 150 °C Vacuum										Price/EUR	Article No.
P22-238	204	60	155	8	3	7	3.8	0.1	6	*	6B0222380200
P22-239	354	60	155	8	3	4	2.2	0.1	11	*	6B0222390005
P22-433	400	100	241	12	4	5	3	0.1	33	*	6B0224330006
P22-444	400	100	241	12	5	6	4.3	0.1	34	*	6B0224440006
P22-449	400	100	241	12	9	12	8.5	0.1	40	*	6B0224490002
P22-443	457	100	236	12	5	4	3.5	0.1	37	*	6B0224430002
P22-454	457	100	236	12	6	6	4.1	0.1	39	*	6B0224540006
P22-459	457	100	236	12	11	8	7.3	0.1	47	*	6B0224590001
P22-553	500	100	231	12	6	6	3.5	0.1	43	*	6B0225530002
P22-564	500	100	231	12	7	8	4.5	0.1	44	*	6B0225640002
P22-569	500	100	231	12	13	12	7.5	0.1	54	*	6B0225690000

Seal Ring for Pressure Dome Lid

Type	NBR	Silicone	EPDM	FKM	Natural rubber
	Article No.	Article No.	Article No.	Article No.	Article No.
P22-238		6B0540100268	6B0540100174	6B0540100302	
P22-239		6B0540100747	6B0540100175	6B0540100323	
P22-433/-444/-449	6B0540100245	6B0540100299	6B0540100177	6B0540100343	6B0540100144
P22-443/-454/-459	6B0540100246	6B0540100300	6B0540100178	6B0540100344	6B0540100145
P22-553/-564/-569	6B0540100248	6B0540100304	6B0540100181	6B0540100350	6B0540100149

P23 - External Lid with one Handle



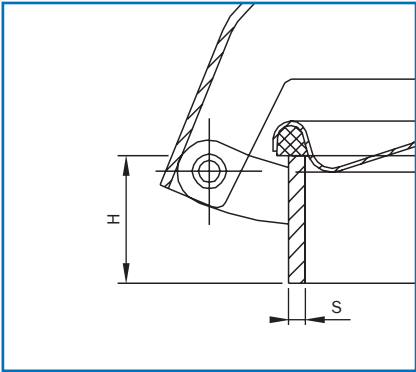
The lid type P23 is designed for pressureless tanks. It is mainly used as an inspection hatch on the machines (e.g. washing machine). The lid can be used in the splash zone and below the water level (max. 3 m water column).

The design enables easy operation for opening and closing without tools. The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing.

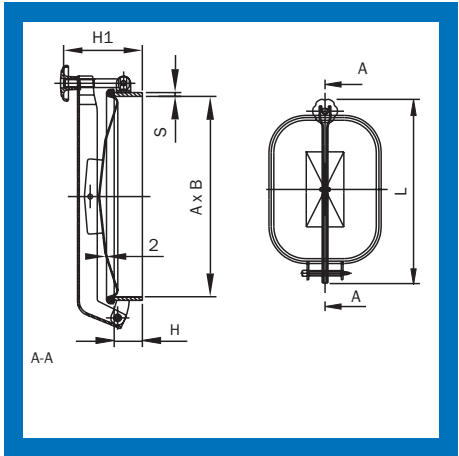
Technical Parameters

Materials: 1.4404 (316L), [1.4301/1.4307 (304/304L), on request]
Seal rings: EPDM, NBR, FKM, Silicone, other materials on request
Surfaces: Lid electropolished, frame brushed

- Rectangular stainless steel manlid
- Opening outwards
- Positioning in the side wall of the machine
- Half cord seal in the lid, glued



Ordering Information



External Lid with one Handle, with Seal Ring

Type / Seal ring	A x B	H	H1	L	V	Max. permissible pressure [bar]		Weight [kg]	1.4404 (316L)	
						max.	Vacuum		Price/EUR	Article No.
P23-308 / Silicone	424 x 314	60	172	557	8	0.3	0.2	10	*	6B0233080008/0
P23-308 / EPDM	424 x 314	60	172	557	8	0.3	0.2	10	*	6B0233080008/1
P23-308 / FKM	424 x 314	60	172	557	8	0.3	0.2	10	*	6B0233080008/2
P23-308 / NBR	424 x 314	60	172	557	8	0.3	0.2	10	*	6B0233080008/3

P31 - Non-pressure Dome Lid, hygienic



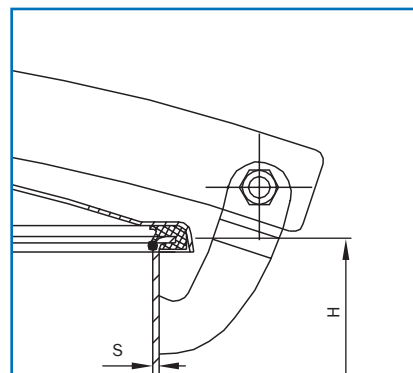
The lid type P31 is designed for pressureless tanks. It is mainly used as a dome lid on the tank. The fluid level must be below the tank lid. The design enables easy operation for opening and closing without tools.

The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing. It is used as access for maintenance and repair or for filling a tank. The lid can also be used for holding inlet nozzles, sight glasses or other connections. This lid is a low-cost version for use in a pressureless tank.

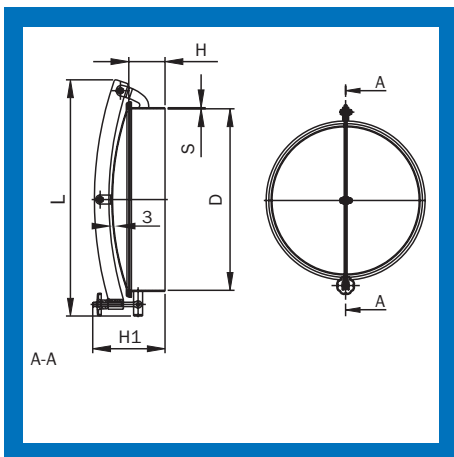
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: EPDM, NBR, Silicone, natural rubber, other materials on request
Surfaces: Lid electropolished, frame blasted

- Round stainless steel dome lid pressureless
- Opening outwards
- Positioned at the top
- Double lip seal on the frame



Ordering Information



Non-pressure Dome Lid, hygienic, without Seal Ring

Type	D	H	H1	L	V	Max. permissible pressure [bar]	Weight [kg]	1.4404 (316L)	
						max.		Price/EUR	Article No.
P31-200	200	100	195	338	3	0.8	5	*	6B0313120001
P31-300	300	100	195	441	3	0.3	8	*	6B0313130001
P31-400	430	100	195	575	3	0.2	11	*	6B0313140009
P31-500	500	100	203	651	3	0.1	13	*	6B0313150002
P31-600	595	100	235	734	3	0.05	15	*	6B0313160000

Seal Ring for Non-pressure Dome Lid, hygienic

Type	NBR	Silicone	EPDM	FKM	Natural rubber
	Article No.	Article No.	Article No.	Article No.	Article No.
P31-200	6B0540100227	6B0540100273	6B0540100157	6B0540100324	6B0540100117
P31-300	6B0540100228	6B0540100274	6B0540100158	6B0540100325	6B0540100118
P31-400	6B0540100229	6B0540100275	6B0540100159	6B0540100326	6B0540100119
P31-500	6B0540100230	6B0540100276	6B0540100160	6B0540100327	6B0540100120
P31-600	6B0540100231	6B0540100277	6B0540100161	6B0540100328	6B0540100121

P31 - Non-pressure Dome Lid, hygienic



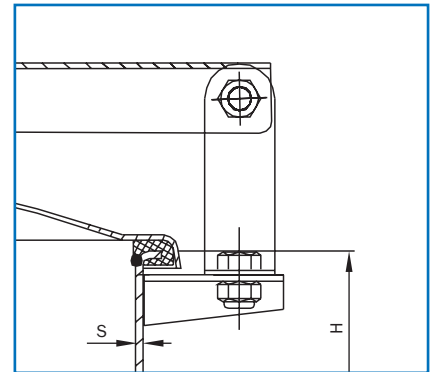
The lid type P31 is designed for pressureless tanks. It is mainly used as a dome lid on the tank. The fluid level must be below the tank lid. The design enables easy operation for opening and closing without tools.

The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing. It is used as access for maintenance and repair or for filling a tank. The lid can also be used for holding inlet nozzles, sight glasses or other connections.

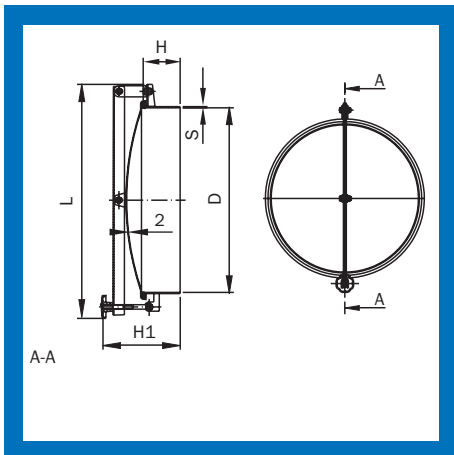
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: EPDM, other materials on request
Surfaces: Lid electropolished, frame blasted

- Round stainless steel dome lid pressureless
- Opening outwards
- Positioned at the top
- Lip seal on the frame



Ordering Information



Non-pressure Dome Lid, hygienic, without Seal Ring

Type	D	H	H1	L	V	Max. permissible pressure [bar]	Weight[kg]	1.4404 (316L)	
						max.		Price/EUR	Article No.
P31-440	400	90	230	520	2	0.1	8	*	6B0313140002
P31-540	499	90	230	619	2	0.1	9	*	6B0315140001

Seal Ring for Non-pressure Dome Lid, hygienic

Type	EPDM	
	Article No.	
P31-440	6B0540100162	
P31-540	6B0540100160	

P31 - Non-pressure Dome Lid, hygienic, with double Handle



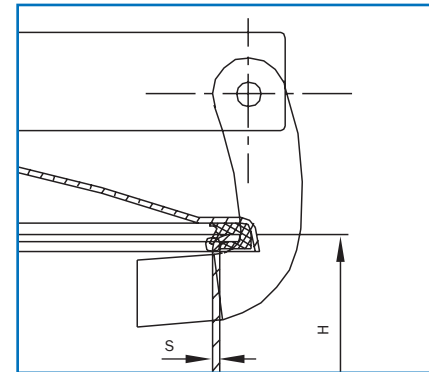
The lid type P31 is designed for pressureless tanks. It is mainly used as a dome lid on the tank. The fluid level must be below the lid. The design enables easy operation for opening and closing without tools.

The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing. The double handle enables a more even pressing force to be applied and access for maintenance and repair or for filling a tank. The lid can also be used for holding inlet nozzles, sight glasses or other attachments.

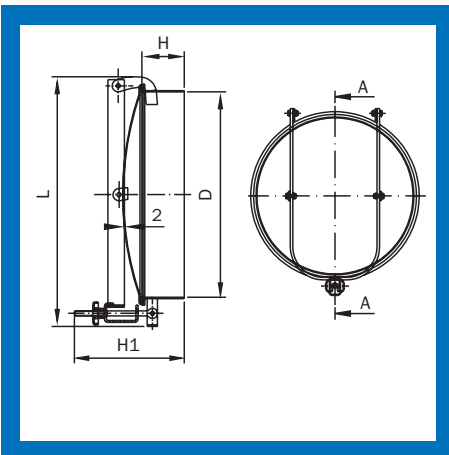
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: Silicone, EPDM, other materials on request
Surfaces: Lid electropolished, frame blasted

- Round stainless steel dome lid pressureless
- Opening outwards
- Positioned at the top
- Lip seal on the frame



Ordering Information



Non-pressure Dome Lid, hygienic, with double Handle, without Seal Ring

Type	D	H	H1	L	V	Max. permissible pressure [bar]	Weight [kg]	1.4404 (316L)	
						max.		Price/EUR	Article No.
P31-598	500	100	235	620	3	0.1	15	*	6B0315980002

Seal Ring for Non-pressure Dome Lid, hygienic, with double Handle

Type	Silicone	EPDM	
	Article No.	Article No.	
P31-598	6B0540100276	6B0540100160	

P33 - Dome Lid, hygienic



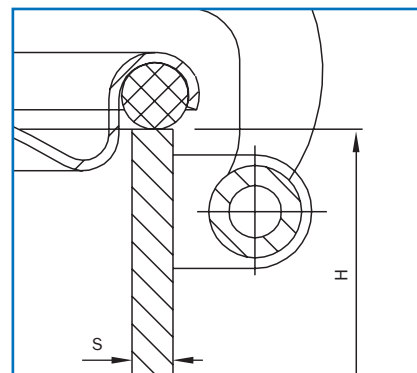
This lid is designed for pressureless tanks. It is mainly used as a dome lid on small tanks or on liquid tanks. The fluid level must be below the lid. This design enables easy operation for opening and closing without tools.

The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing. It is used as an opening for maintenance and repair or for filling a tank.

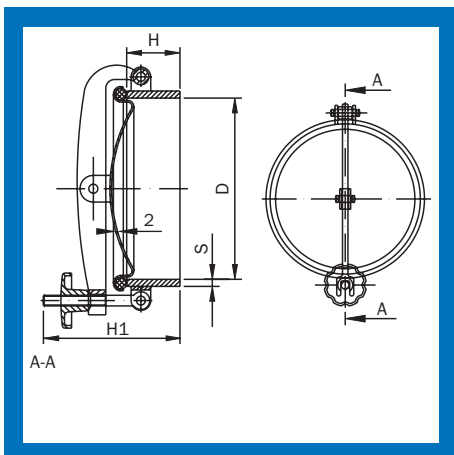
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: EPDM, other materials on request
Surfaces: Lid electropolished, frame blasted

- Round stainless steel dome lid
- Opening outwards
- Positioned at the top
- O-ring seal in the lid



Ordering Information



Dome Lid, hygienic, without Seal Ring

Type	D	H	H1	V	Max. permissible pressure [bar]		Weight [kg]	1.4404 (316L)	
					max.	Vacuum		Price/EUR	Article No.
P33-114	204	60	154	8	0.8	0.1	4	*	6B0331140007

Seal Ring for Dome Lid, hygienic

Type	EPDM	
	Article No.	
P33-114	6B0540100173	

P33 - Non-pressure Dome Lid, hygienic



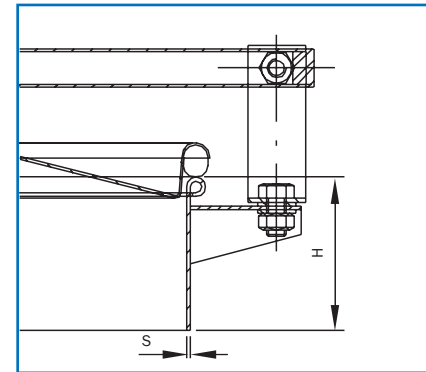
The lid type P33 is designed for pressureless tanks. It is mainly used as a dome lid on the tank. The fluid level must be below the lid. The design enables easy operation for opening and closing without tools.

The fixed connection between the handle and lid enables the lid to be placed easily on the frame, which also ensures secure sealing. The handle is mounted on the side and can be rotated. This also enables the lid to be opened fully even with a low installation height between the tank and ceiling. It is used as access for maintenance and repair or for filling a tank. The lid can also be used for holding inlet nozzles, sight glasses or other attachments.

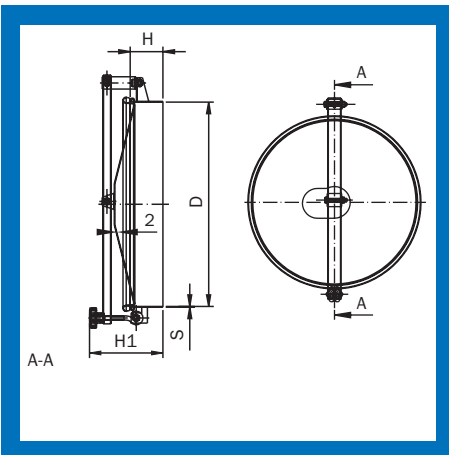
Technical Parameters

Materials: 1.4404 (316L)
Seal rings: EPDM, FKM, NBR, other materials on request
Surfaces: Lid electropolished, frame blasted

- Round stainless steel dome lid
- Opening outwards, lid swings out to the side
- Positioned at the top
- Seal: round cord in the lid, glued



Ordering Information



Non-pressure Dome Lid, hygienic, with Seal Ring

Type / Seal ring	D	H	H1	V	Max. permissible pressure [bar]	Weight [kg]	1.4404 (316L)	
							Price/EUR	Article No.
P33-230 / EPDM	220	80	175	2	0.1	4	*	6B0332300001/1
P33-230 / FKM	220	80	175	2	0.1	4	*	6B0332300001/2
P33-230 / NBR	220	80	175	2	0.1	4	*	6B0332300001/3
P33-330 / EPDM	296	80	175	2	0.1	5	*	6B0333300001/1
P33-330 / FKM	296	80	175	2	0.1	5	*	6B0333300001/2
P33-330 / NBR	296	80	175	2	0.1	5	*	6B0333300001/3
P33-430 / EPDM	393	80	175	2	0.05	8	*	6B0334300001/1
P33-430 / FKM	393	80	175	2	0.05	8	*	6B0334300001/2
P33-430 / NBR	393	80	175	2	0.05	8	*	6B0334300001/3
P33-530 / EPDM	500	80	175	2	0.05	9	*	6B0335300001/1
P33-530 / FKM	500	80	175	2	0.05	9	*	6B0335300001/2
P33-530 / NBR	500	80	175	2	0.05	9	*	6B0335300001/3
P33-630 / EPDM	600	80	175	2	0.05	11	*	6B0336300004
P33-630 / FKM	600	80	175	2	0.05	11	*	6B0336300001/2
P33-630 / NBR	600	80	175	2	0.05	11	*	6B0336300001/3



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