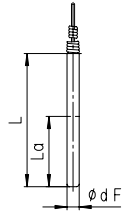


Stem Models

Stem Models

Process connection: without screw fitting, plain stem

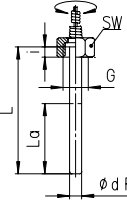
Stem model: A1
Form according to DIN 13 190: Form 1
Stem material: 1.4571
Stem-Ø dF: 8, 10, 12
Order length: L



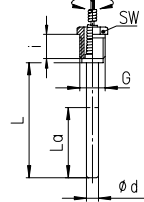
Data sheet (suitable thermowell models): 8.8140 (SK1), 8.8141 (SK2)

Process connection: Union nut Male thread, turnable

Stem model: A3
Form according to DIN 13 190: Form 5
Stem material: 1.4571
Stem-Ø dF: 8, 10, 12
Screw fitting material: 1.4571
Order length: L



Stem model: A4
Form according to DIN 13 190: Form 4
Stem material: 1.4571
Stem-Ø dF: 8, 10, 12
Screw fitting material: 1.4571
Order length: L



Data sheet (suitable thermowell models): 8.8111 (SF4.1), 8.8113 (SF4.1F), 8.8130 (SF8), 8.8131 (SF9) 8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121(SF6+SF7)

Thread (dimensions in mm):

G	SW	i
G 1/2	27	10
G 3/4	32	12
M 20 x 1.5	27	10
M 24 x 1.5	32	12
M 27 x 2	32	12

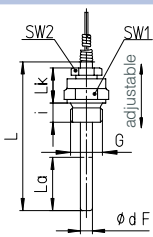
Thread (dimensions in mm):

G	SW	i
G 1/2 B	27	20
G 3/4 B	32	23
M 18 x 1.5	22	14
M 20 x 1.5	27	20

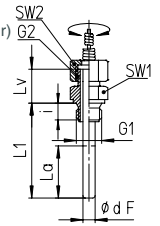
Thermowell required!

Process connection: Male thread / compression fitting Male thread, turnable / double male adapter

Stem model: A5
 (= basic stem A1 with compression fitting)
Form nach DIN 13 190: Form 2 (thread cylindrical), Form 3 (thread conical)
Stem material: 1.4571
Stem-Ø dF: 8, 10, 12
Screw fitting material: 1.4571
Order length: L



Stem model: A6
 (= basic stem A3 with double male adapter)
Stem material: 1.4571
Stem-Ø dF: 8, 10, 12
Screw fitting material: 1.4571
Order length: L1



Data sheet (suitable thermowell models): 8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121(SF6+SF7) 8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121(SF6+SF7)

Thread (dimensions in mm):

G	SW1	SW2	i	Lk
G 1/2 B	27	22	14	42
G 3/4 B	32	22	16	42
1/2" NPT	27	22	19	42
3/4" NPT	27	22	19	42
M 20 x 1.5	27	22	14	42

Thread (dimensions in mm):

G1	G2	SW1	SW2	i	Lv
G 1/2 B	G 1/2 B	27	27	14	28
G 3/4 B	G 1/2 B	32	27	16	28
1/2" NPT	G 1/2 B	27	27	19	28
3/4" NPT	G 1/2 B	27	27	19	28
M 20 x 1.5	M 20 x 1.5	27	27	14	28
M 24 x 1.5	M 20 x 1.5	32	27	14	28
M 27 x 2	M 20 x 1.5	32	27	16	28

Minimum Stem Length, Active Length and maximum realisable Stem Length

The **minimum length Lmin / L1min** of the stem is the smallest possible stem length La (vessel) and the stem model.
 The **active length La** of the stem (vessel) has to immerse completely into the medium, to grant a measuring result, which corresponds to the accuracy class.
 The **maximum realisable stem length** is 2.50 m. Larger lengths are realisable with a capillary line, e.g. with special stems A2, A7 and A7.1 (data sheet 8299.2).

Stem model:	Length:	Thread:	Capillary line including stem up to 5 m						Capillary line including stem > 5 m to 15 m					
			up to max. 500 °C			500 °C and above			up to max 500 °C			500 °C and above		
			Stem-Ø dF:			Stem-Ø dF:			Stem-Ø dF:			Stem-Ø dF:		
			12	10	8	12	10	8	12	10	8	12	10	8
all models	La	all standard threads	35	45	75	75	105	165	53	80	115	150	200	320
A1 A3 A4	Lmin	all standard threads	55	65	95	95	125	185	73	100	135	170	220	340
A5	Lmin	all standard threads	90	100	130	130	160	220	67	94	129	164	214	334
A6	L1min	G 1/2 B, M 20x1.5	49	59	89	89	119	179	69	96	131	166	216	336
		G 3/4 B, M24x1,5, M27x2	51	61	91	91	121	181	72	99	134	169	219	339
		1/2" NPT, 3/4" NPT	54	64	94	94	124	184	108	135	170	205	255	375
others			upon request			upon request			upon request			upon request		