

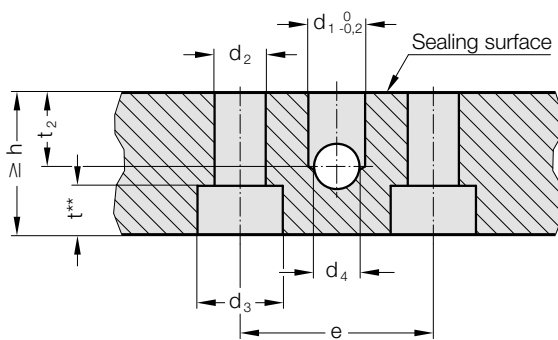
# Composite plate systems

## 2490.95.15. – Gas spring Compact, for composite panel

### Connection geometry, flat sealing

**Note:**

We recommend securing the fastening screws with medium-strength threadlocker adhesive (FIBRO 281.243) and, from a plate thickness of 25 mm, additionally DIN 6798 Form A or SCHNORR® locking washer type "S". (Not included!)



**Gas springs**

**Order No. for composite plate connection**

Order No. for composite plate connection	e	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	t <sup>**</sup>	t <sub>2</sub>	n <sup>*</sup>	h
2490.95.15.00750.	24	5	6,4	11	6	6,8	6	2	20
2490.95.15.01000.	20	5	6,4	11	6	6,8	6	4	20
2490.95.15.01800.	26	5	6,4	11	6	6,8	10	4	20
2490.95.15.03000.	34	8	8,4	15	8	9	10	4	20
2490.95.15.04700.	40	8	8,4	15	8	9	10	4	20
2490.95.15.07500.	52	8	8,4	15	8	9	10	4	20
2490.95.15.11800.	68	8	10,5	18	8	11	10	4	20
2490.95.15.18300.	90	8	10,5	18	8	11	10	4	20

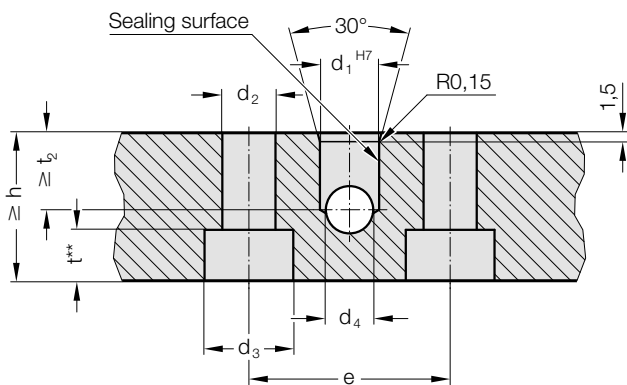
n\* Number of gas spring mounting holes

t\*\* Lowering depth without flap washer DIN 6798 Form A or SCHNORR® locking washer type "S"

### Connection geometry, connecting nipple

**Note:**

We recommend securing the fastening screws with medium-strength threadlocker adhesive (FIBRO 281.243) and, from a plate thickness of 30 mm, additionally DIN 6798 Form A or SCHNORR® locking washer type "S". (Not included!)



**Gas springs**

**Order No. for composite plate connection**

Order No. for composite plate connection	e	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	t <sup>**</sup>	t <sub>2</sub>	n <sup>*</sup>	h
2490.95.15.00750.	24	8	6,4	11	6	6,8	13	2	25
2490.95.15.01000.	20	8	6,4	11	6	6,8	13	4	25
2490.95.15.01800.	26	10	6,4	11	6	6,8	13	4	25
2490.95.15.03000.	34	10	8,4	15	8	9	13	4	25
2490.95.15.04700.	40	10	8,4	15	8	9	13	4	25
2490.95.15.07500.	52	10	8,4	15	8	9	13	4	25
2490.95.15.11800.	68	10	10,5	18	8	11	13	4	25
2490.95.15.18300.	90	10	10,5	18	8	11	13	4	25

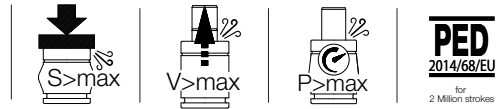
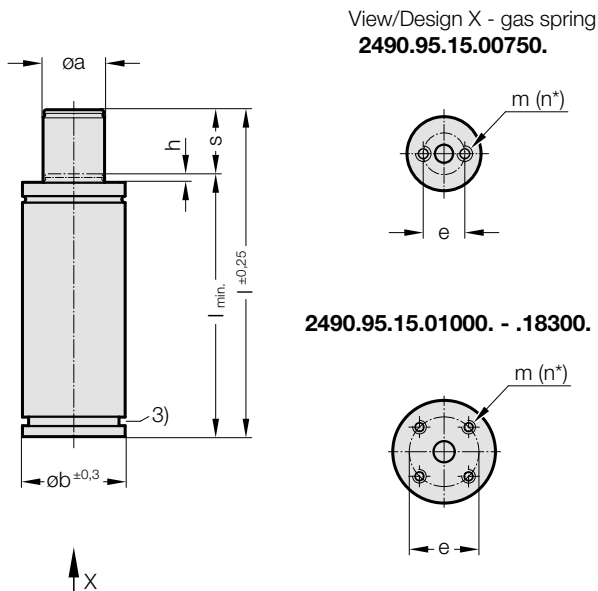
n\* Number of gas spring mounting holes

t\*\* Lowering depth without flap washer DIN 6798 Form A or SCHNORR® locking washer type "S"

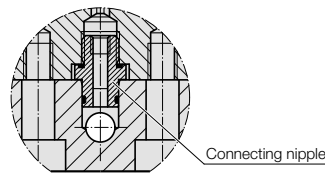
Gas spring	Order No. Flap disc DIN 6798 Form A	Order No. Lock washer type "S"
2490.95.15.00750.	2480.95.00.03.06	2480.95.00.04.06
2490.95.15.01000.	2480.95.00.03.06	2480.95.00.04.06
2490.95.15.01800.	2480.95.00.03.06	2480.95.00.04.06
2490.95.15.03000.	2480.95.00.03.08	2480.95.00.04.08
2490.95.15.04700.	2480.95.00.03.08	2480.95.00.04.08
2490.95.15.07500.	2480.95.00.03.08	2480.95.00.04.08
2490.95.15.11800.	2480.95.00.03.10	2480.95.00.04.10
2490.95.15.18300.	2480.95.00.03.10	2480.95.00.04.10

# Composite plate systems

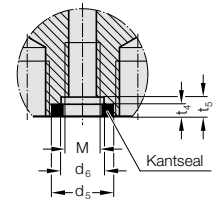
## 2490.95.15. – Gas spring Compact, for composite panel



View  
Gas pressure spring with connecting nipple



View/Design  
gas spring with flat seal



### Technical information

#### Spring size

Pressure medium:	Nitrogen	N <sub>2</sub>
Max. filling pressure:	150 bar	
Min. filling pressure:	25 bar	
Working temperature:	0°C to +80°C	
Temperature related force increase:	± 0,3%/°C	
Max. recommended extensions per minute:	.00750., .01800., .03000. - .07500.	approx. 50 to 100 (at 20°C) approx. 80 to 100 (at 20°C)
Max. piston rod speed:	0,8 m/s	
Order No for spare parts kit:	see appendix	

Ordering Code (example): 2490.95.15.00750.010

#### Spring force F in daN at 150 bar/+20°C

Order No.	F <sub>initial</sub>	F <sub>final</sub> <sup>1)</sup>	øa	øb	d <sub>5</sub>	d <sub>6</sub>	e	e <sub>1</sub>	h	M	m	n*	t <sub>4</sub>	t <sub>5</sub>
2490.95.15.00750. <sup>3)</sup>	740	1214 - 1515	13	32	11	-	24	-	4,8	M6	M6 x 8 deep	2	3,5	-
2490.95.15.01000.	1060	1936 - 1753	18	38	11	-	20	-	4,8	M6	M6 x 8 deep	4	3,5	-
2490.95.15.01800.	1885	3026 - 3259	25	50	11	-	26	40	4,8	M7	M6 x 8 deep	4	3,5	-
2490.95.15.03000.	2945	5028 - 5616	32	63	22,2	15	34	-	4,8	G1/8	M8 x 8 deep	4	3	4,5
2490.95.15.04700.	4675	8001 - 7924	45	75	22,2	15	40	-	4,8	G1/8	M8 x 8 deep	4	3	4,5
2490.95.15.07500.	7540	11818 - 12805	55	95	22,2	15	52	-	4,8	G1/8	M8 x 8 deep	4	3	4,5
2490.95.15.11800.	11780	17843 - 18133	70	120	22,2	15	68	-	4,8	G1/8	M10 x 12 deep	4	3	4,5
2490.95.15.18300.	18410	25880 - 28055	95	150	22,2	15	90	-	4,8	G1/8	M10 x 12 deep	4	3	4,5

<sup>1)</sup> at full stroke (s) / \* Number of gas spring mounting holes / <sup>3)</sup> without U-groove

Order No. Stroke (s)	006	010	016	025	032	040	050	065
	s	6	10	16	25	32	40	65
2490.95.15.00750.	l	63	75	93	120	140	165	-
	l <sub>min.</sub>	57	65	77	95	108	125	-
2490.95.15.01000.	l	61	78	100	135	167	195	-
	l <sub>min.</sub>	55	68	84	110	135	180	-
2490.95.15.01800.	l	66	80	106	135	162	190	271
	l <sub>min.</sub>	60	70	90	110	130	150	206
2490.95.15.03000.	l	-	85	103	130	150	175	256
	l <sub>min.</sub>	-	75	87	105	118	135	191
2490.95.15.04700.	l	-	80	106	135	167	200	273
	l <sub>min.</sub>	-	70	90	110	135	160	208
2490.95.15.07500.	l	-	90	116	145	182	210	279
	l <sub>min.</sub>	-	80	100	120	150	170	214
2490.95.15.11800.	l	-	100	126	155	187	220	320
	l <sub>min.</sub>	-	90	110	130	155	180	255
2490.94.15.18300.	l	-	110	136	165	197	235	323
	l <sub>min.</sub>	-	100	120	140	165	195	258

subject to alterations