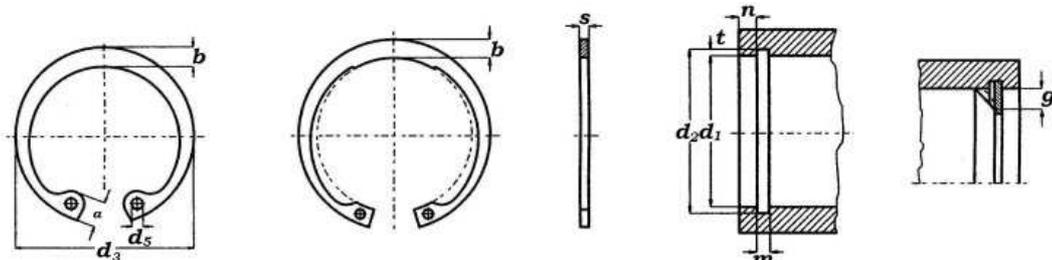


Pierścienie osadcze sprężynujące wewnętrzne DIN 472



DIN 472



d ₁	s	tol.	d ₃	tol.	a max.	b	d ₅ min.	masa [kg/1000]	d ₂	tol.	m min.	t
8	0.80	-0.05	8.7	+0.36 -0.10	2.4	1.1	1.0	0.10	8.4	+0.09	0.90	0.20
9	0.80		9.8		2.5	1.3	1.0	0.13	9.4	0.90	0.20	
10	1.00	-0.06	10.8		3.2	1.4	1.2	0.26	10.4	+0.11	1.10	0.20
11	1.00		11.8		3.3	1.5	1.2	0.31	11.4		1.10	0.20
12	1.00	13.0	3.4		1.7	1.5	0.37	12.5	1.10		0.25	
13	1.00	14.1	3.6		1.8	1.5	0.42	13.6	1.10		0.30	
14	1.00	15.1	3.7		1.8	1.7	0.52	14.6	1.10		0.30	
15	1.00	16.2	3.7		2.0	1.7	0.56	15.7	1.10		0.35	
16	1.00	17.3	3.8		2.0	1.7	0.60	16.8	1.10		0.40	
17	1.00	18.3	3.9		2.1	1.7	0.65	17.8	1.10		0.40	
18	1.00	19.5	4.1	2.2	2.0	0.74	19.0	+0.13	1.10		0.50	
19	1.00	20.5	4.1	2.2	2.0	0.83	20.0		1.10		0.50	
20	1.00	21.5	4.1	2.3	2.0	0.90	21.0		1.10	0.50		
21	1.00	22.5	4.2	2.4	2.0	1.00	22.0		1.10	0.50		
22	1.00	23.5	4.2	2.5	2.0	1.10	23.0		1.10	0.50		
23	1.20	24.6	4.2	2.5	2.0	1.34	24.1		1.30	0.55		
24	1.20	25.9	4.3	2.6	2.0	1.42	25.2		+0.21	1.30	0.60	
25	1.20	26.9	4.5	2.7	2.0	1.50	26.2			1.30	0.60	
26	1.20	27.9	4.7	2.8	2.0	1.60	27.2			1.30	0.60	
27	1.20	29.1	4.7	2.9	2.0	1.75	28.4			1.30	0.70	
28	1.20	30.1	4.8	2.9	2.0	1.80	29.4	1.30		0.70		
29	1.20	31.1	4.8	3.0	2.0	1.88	30.4	+0.25		1.30	0.70	
30	1.20	32.1	4.8	3.0	2.0	2.06	31.4			1.30	0.70	
31	1.20	33.4	5.2	3.1	2.5	2.10	32.7			1.30	0.85	
32	1.20	34.4	5.4	3.2	2.5	2.21	33.7			1.30	0.85	
33	1.20	35.5	5.4	3.3	2.5	2.40	34.7			1.30	0.85	
34	1.50	36.5	5.4	3.3	2.5	3.20	35.7		1.60	0.85		
35	1.50	37.8	5.4	3.4	2.5	3.54	37.0		1.60	1.00		
36	1.50	38.8	5.4	3.5	2.5	3.70	38.0		1.60	1.00		
37	1.50	39.8	5.5	3.6	2.5	3.74	39.0		1.60	1.00		
38	1.50	40.8	5.5	3.7	2.5	3.90	40.0		1.60	1.00		
39	1.50	42.0	5.6	3.8	2.5	4.00	41.0	+0.90 -0.39	1.60	1.00		
40	1.75	43.5	5.8	3.9	2.5	4.70	42.5		1.85	1.25		
41	1.75	44.5	5.9	4.0	2.5	5.10	43.5		1.85	1.25		
42	1.75	45.5	5.9	4.1	2.5	5.40	44.5		1.85	1.25		
43	1.75	46.5	5.9	4.2	2.5	5.60	45.5		1.85	1.25		
44	1.75	47.5	6.0	4.2	2.5	5.80	46.5		1.85	1.25		

d₁	s	tol.	d₃	tol.	a max.	b	d₅ min.	masa [kg/1000]	d₂	tol.	m min.	t
45	1.75	-0.06	48.5	+0.90 -0.39	6.2	4.3	2.5	6.00	47.5	+ 0.25	1.85	1.25
46	1.75		49.5		6.3	4.4	2.5	6.05	48.5		1.85	1.25
47	1.75		50.5	+1.10 -0.46	6.4	4.4	2.5	6.10	49.5		1.85	1.25
48	1.75		51.5		6.4	4.5	2.5	6.70	50.5	+ 0.30	1.85	1.25
50	2.00	-0.07	54.2		6.5	4.6	2.5	7.30	53.0		2.15	1.50
51	2.00		55.2		6.5	4.7	2.5	7.75	54.0		2.15	1.50
52	2.00		56.2		6.7	4.7	2.5	8.20	55.0		2.15	1.50
53	2.00		57.2		6.7	4.9	2.5	8.22	56.0		2.15	1.50
54	2.00		58.2		6.7	5.0	2.5	8.25	57.0		2.15	1.50
55	2.00		59.2		6.8	5.0	2.5	8.30	58.0		2.15	1.50
56	2.00		60.2		6.8	5.1	2.5	8.80	59.0		2.15	1.50
57	2.00		61.2		6.8	5.1	2.5	9.40	60.0		2.15	1.50
58	2.00		62.2		6.9	5.2	2.5	10.50	61.0		2.15	1.50
60	2.00		64.2		7.3	5.4	2.5	11.10	63.0		2.15	1.50
62	2.00		66.2		7.3	5.5	2.5	11.20	65.0		2.15	1.50
63	2.00		67.2		7.3	5.6	2.5	12.40	66.0		2.15	1.50
64	2.00		68.2		7.4	5.7	2.5	12.45	67.0		2.15	1.50
65	2.50		69.2		7.6	5.8	3.0	14.30	68.0		2.65	1.50
67	2.50		71.5		7.7	6.0	3.0	15.30	70.0		2.65	1.50
68	2.50		72.5		7.8	6.1	3.0	16.00	71.0		2.65	1.50
70	2.50		74.5		7.8	6.2	3.0	16.50	73.0		2.65	1.50
72	2.50		76.5		7.8	6.4	3.0	18.10	75.0		2.65	1.50
75	2.50		79.5		7.8	6.6	3.0	18.80	78.0		2.65	1.50
77	2.50		82.5	+1.30 -0.54	8.5	6.8	3.0	20.40	80.0		2.65	1.50
78	2.50	82.5	8.5		6.8	3.0	20.40	81.0	+ 0.35	2.65	1.50	
80	2.50	85.5		8.5	7.0	3.0	22.00	83.5		2.65	1.75	
81	2.50	86.5		8.5	7.0	3.0	23.00	84.5		2.65	1.75	
82	2.50	87.5		8.5	7.0	3.0	24.00	85.5		2.65	1.75	
83	2.50	88.5		8.5	7.0	3.0	25.00	86.5		2.65	1.75	
85	3.00	-0.08	90.5		8.6	7.2	3.5	25.30	88.5		3.15	1.75
87	3.00		93.5		8.6	7.4	3.5	31.00	90.5		3.15	1.75
88	3.00		93.5		8.6	7.4	3.5	31.00	91.5		3.15	1.75
90	3.00		95.5		8.6	7.6	3.5	33.00	93.5		3.15	1.75
92	3.00		97.5		8.7	7.8	3.5	35.0	95.5		3.15	1.75
95	3.00		100.5		8.8	8.1	3.5	37.0	98.5		3.15	1.75
97	3.00		103.5		9.0	8.3	3.5	41.0	100.5		3.15	1.75
98	3.00		103.5		9.0	8.3	3.5	41.0	101.5		3.15	1.75
100	3.00		105.5		9.2	8.4	3.5	42.0	103.5		3.15	1.75

d ₁	s	tol.	d ₃	tol.	a max.	b	d ₅ min.	masa [kg/1000]	d ₂	tol.	m min.	t
102	4.00	-0.10	108.0	+1.30 -0.54	9.5	8.5	3.5	55.0	106.0	+ 0.54	4.15	2.00
105	4.00		112.0		9.5	8.7	3.5	56.0	109.0		4.15	2.00
107	4.00		115.0		9.5	8.9	3.5	60.0	111.0		4.15	2.00
108	4.00		115.0		9.5	8.9	3.5	60.0	112.0		4.15	2.00
110	4.00		117.0		10.4	9.0	3.5	64.5	114.0		4.15	2.00
112	4.00		119.0	10.5	9.1	3.5	72.0	116.0	4.15	2.00		
115	4.00		122.0	+1.50 -0.63	10.5	9.3	3.5	74.5	119.0	4.15	2.00	
117	4.00		125.0		10.7	9.6	3.5	75.5	121.0	4.15	2.00	
118	4.00		125.0		10.7	9.6	3.5	75.5	122.0	4.15	2.00	
120	4.00		127.0		11.0	9.7	3.5	77.0	124.0	4.15	2.00	
122	4.00		129.0		11.0	9.8	4.0	78.0	126.0	4.15	2.00	
125	4.00		132.0		11.0	10.0	4.0	79.0	129.0	4.15	2.00	
127	4.00		135.0		11.0	10.0	4.0	81.0	131.0	4.15	2.00	
128	4.00		135.0		11.0	10.2	4.0	81.0	132.0	4.15	2.00	
130	4.00		137.0		11.0	10.2	4.0	82.0	134.0	4.15	2.00	
132	4.00		139.0		11.0	10.3	4.0	83.0	136.0	4.15	2.00	
135	4.00		142.0		11.2	10.5	4.0	84.0	139.0	4.15	2.00	
137	4.00		145.0		11.2	10.6	4.0	86.0	141.0	4.15	2.00	
138	4.00		145.0		11.2	10.6	4.0	86.0	142.0	4.15	2.00	
140	4.00		147.0		11.2	10.7	4.0	87.5	144.0	4.15	2.00	
142	4.00	149.0		11.3	10.8	4.0	89.0	146.0	4.15	2.00		
145	4.00	152.0		11.4	10.9	4.0	93.0	149.0	+ 0.63	4.15	2.00	
147	4.00	155.0		11.8	11.1	4.0	100.0	151.0	4.15	2.00		
148	4.00	155.0		11.8	11.1	4.0	100.0	152.0	4.15	2.00		
150	4.00	158.0		12.0	11.2	4.0	105.0	155.0	4.15	2.50		
152	4.00	161.0		12.0	11.3	4.0	106.0	157.0	4.15	2.50		
155	4.00	164.0		12.0	11.4	4.0	107.0	160.0	4.15	2.50		
157	4.00	167.0		12.3	11.5	4.0	109.0	162.0	4.15	2.50		
158	4.00	167.0		12.3	11.5	4.0	109.0	163.0	4.15	2.50		
160	4.00	169.0		13.0	11.6	4.0	110.0	165.0	4.15	2.50		
162	4.00	171.5		13.0	11.7	4.0	118.0	167.0	4.15	2.50		
165	4.00	174.5		13.0	11.8	4.0	125.0	170.0	4.15	2.50		
167	4.00	177.5		13.5	12.1	4.0	135.0	172.0	4.15	2.50		
168	4.00	177.5		13.5	12.1	4.0	135.0	173.0	4.15	2.50		
170	4.00	179.5		13.5	12.2	4.0	140.0	175.0	4.15	2.50		

d₁	s	tol.	d₃	tol.	a max.	b	d₅ min.	masa [kg/1000]	d₂	tol.	m min.	t
172	4.00	-0.10	181.5	+ 1.70-0.72	13.5	12.5	4.0	145.0	177.0	+ 0.63	4.15	2.50
175	4.00		184.5		13.5	12.7	4.0	150.0	180.0		4.15	2.50
177	4.00		187.5		14.2	12.9	4.0	162.0	182.0	+0.72	4.15	2.50
178	4.00		187.5		14.2	12.9	4.0	162.0	183.0		4.15	2.50
180	4.00		189.5		14.2	13.2	4.0	165.0	185.0	4.15	2.50	
182	4.00		191.5		14.2	13.5	4.0	168.0	187.0	4.15	2.50	
185	4.00		194.5		14.2	13.7	4.0	170.0	190.0	4.15	2.50	
187	4.00		197.5		14.2	13.8	4.0	174.0	192.0	4.15	2.50	
188	4.00		197.5		14.2	13.8	4.0	174.0	193.0	4.15	2.50	
190	4.00		199.5		14.2	13.8	4.0	175.0	195.0	4.15	2.50	
192	4.00		201.5		14.2	13.8	4.0	178.0	197.0	4.15	2.50	
195	4.00		204.5		14.2	13.8	4.0	183.0	200.0	4.15	2.50	
197	4.00		207.5		14.2	14.0	4.0	190.0	202.0	4.15	2.50	
198	4.00		207.5		14.2	14.0	4.0	190.0	203.0	4.15	2.50	
200	4.00		209.5		14.2	14.0	4.0	195.0	205.0	4.15	2.50	
202	5.00	-0.12	214.0	+ 1.70-0.72	14.2	14.0	4.0	210.0	208.0		5.15	3.00
205	5.00		217.0		14.2	14.0	4.0	225.0	211.0	5.15	3.00	
207	5.00		217.0		14.2	14.0	4.0	225.0	213.0	5.15	3.00	
208	5.00		222.0		14.2	14.0	4.0	270.0	214.0	5.15	3.00	
210	5.00		222.0		14.2	14.0	4.0	270.0	216.0	5.15	3.00	
212	5.00		222.0		14.2	14.0	4.0	270.0	218.0	5.15	3.00	
215	5.00		227.0		14.2	14.0	4.0	300.0	221.0	5.15	3.00	
217	5.00		227.0		14.2	14.0	4.0	300.0	223.0	5.15	3.00	
218	5.00		232.0		14.2	14.0	4.0	315.0	224.0	5.15	3.00	
220	5.00		232.0		14.2	14.0	4.0	315.0	226.0	5.15	3.00	
222	5.00		232.0		14.2	14.0	4.0	315.0	228.0	5.15	3.00	
225	5.00		237.0		14.2	14.0	4.0	323.0	231.0	5.15	3.00	
227	5.00		237.0		14.2	14.0	4.0	323.0	233.0	5.15	3.00	
228	5.00		242.0		14.2	14.0	4.0	330.0	234.0	5.15	3.00	
230	5.00		242.0		14.2	14.0	4.0	330.0	236.0	5.15	3.00	
232	5.00		242.0	+2.00 -0.81	14.2	14.0	4.0	330,0	238,0		5.15	3.00
235	5.00		247.0		14.2	14.0	4.0	338,0	241,0		5.15	3.00
237	5.00		247.0		14.2	14.0	4.0	338,0	243,0		5.15	3.00
238	5.00		252.0		14.2	14.0	4.0	345,0	244,0		5.15	3.00
240	5.00		252.0		14.2	14.0	4.0	345,0	246,0		5.15	3.00
242	5.00		252.0		14.2	14.0	4.0	345,0	248,0		5.15	3.00

d₁	s	tol.	d₃	tol.	a max.	b	d₅ min.	masa [kg/1000]	d₂	tol.	m min.	t
245	5.00	-0.12	257.0	+2.00 -0.81	14.2	14.0	4.0	353,0	251,0	+ 0.81	5.15	3.00
247	5.00		257.0		14.2	14.0	4.0	353,0	253,0		5.15	3.00
248	5.00		262.0		14.2	14.0	4.0	360,0	254,0		5.15	3.00
250	5.00		262.0		14.2	14.0	4.0	360,0	256,0		5.15	3.00
252	5.00		262.0		14.2	16.0	5.0	360,0	260,0		5.15	4.00
255	5.00		270.0		16.2	16.0	5.0	368,0	263,0		5.15	4.00
257	5.00		270.0		16.2	16.0	5.0	368,0	265,0		5.15	4.00
258	5.00		275.0		16.2	16.0	5.0	375,0	266,0		5.15	4.00
260	5.00		275.0		16.2	16.0	5.0	375,0	268,0		5.15	4.00
262	5.00		275.0		16.2	16.0	5.0	375,0	270,0		5.15	4.00
265	5.00		280.0		16.2	16.0	5.0	383,0	273,0		5.15	4.00
267	5.00		280.0		16.2	16.0	5.0	383,0	275,0		5.15	4.00
268	5.00		285.0		16.2	16.0	5.0	388,0	276,0		5.15	4.00
270	5.00		285.0		16.2	16.0	5.0	388,0	278,0		5.15	4.00
272	5.00		285.0		16.2	16.0	5.0	388,0	280,0		5.15	4.00
275	5.00		290.0		16.2	16.0	5.0	393,0	283,0		5.15	4.00
277	5.00		290.0		16.2	16.0	5.0	393,0	285,0		5.15	4.00
278	5.00		295.0		16.2	16.0	5.0	400,0	286,0		5.15	4.00
280	5.00		295.0		16.2	16.0	5.0	400,0	288,0		5.15	4.00
282	5.00		295.0		16.2	16.0	5.0	400,0	290,0		5.15	4.00
285	5.00		300.0		16.2	16.0	5.0	408,0	293,0		5.15	4.00
287	5.00		300.0		16.2	16.0	5.0	408,0	295,0		5.15	4.00
288	5.00		305.0		16.2	16.0	5.0	415,0	296,0		5.15	4.00
290	5.00		305.0		16.2	16.0	5.0	415,0	298,0		5.15	4.00
292	5.00		305.0		16.2	16.0	5.0	415,0	300,0		5.15	4.00
295	5.00		310.0		16.2	16.0	5.0	426,0	303,0		5.15	4.00
297	5.00		310.0		16.2	16.0	5.0	426,0	305,0		5.15	4.00
298	5.00		315.0		16.2	16.0	5.0	435,0	306,0		5.15	4.00
300	5.00		315.0		16.2	16.0	5.0	435,0	308,0		5.15	4.00

310	6.00	-0.15	327,0	+2.00 - 0.90		20,0	6,0	770,0	320,0	+0,89	6,2	5,00
320	6.00		337,0			20,0	6,0	800,0	330,0		6,2	5,00
330	6.00		347,0			20,0	6,0	820,0	340,0		6,2	5,00
340	6.00		357,0			20,0	6,0	840,0	350,0		6,2	5,00
350	6.00		367,0			20,0	6,0	870,0	360,0		6,2	5,00
360	6.00		377,0			20,0	6,0	890,0	370,0		6,2	5,00
370	6.00		387,0			20,0	6,0	920,0	380,0		6,2	5,00
380	6.00		397,0			20,0	6,0	940,0	390,0		6,2	5,00
390	6.00		407,0			20,0	6,0	960,0	400,0		6,2	5,00
400	6.00		417,0			20,0	6,0	980,0	410,0		6,2	5,00
410	7.00	-0.15	430,0	+2.00 - 1.00		26,0	6,0	1380,0	422,0	+1,0	7,2	6,00
420	7.00		440,0			26,0	6,0	1410,0	432,0		7,2	6,00
430	7.00		450,0			26,0	6,0	1440,0	442,0		7,2	6,00
440	7.00		460,0			26,0	6,0	1470,0	452,0		7,2	6,00
450	7.00		470,0			26,0	6,0	1510,0	462,0		7,2	6,00
460	7.00		480,0			26,0	6,0	1550,0	472,0		7,2	6,00
470	7.00		490,0			26,0	6,0	1595,0	482,0		7,2	6,00
480	7.00		500,0			26,0	6,0	1640,0	492,0		7,2	6,00
490	7.00		510,0			26,0	6,0	1685,0	502,0		7,2	6,00
500	7.00		520,0			26,0	6,0	1730,0	512,0		7,2	6,00
510	8.00	535,0	26,0	6,0	2250,0	524,0	8,2	7,00				
520	8.00	545,0	26,0	6,0	2290,0	534,0	8,2	7,00				
540	8.00	565,0	26,0	6,0	2380,0	554,0	8,2	7,00				
560	8.00	585,0	26,0	6,0	2495,0	574,0	8,2	7,00				
580	8.00	605,0	26,0	6,0	2625,0	594,0	8,2	7,00				
600	8.00	625,0	26,0	6,0	2770,0	614,0	8,2	7,00				
650	9.00	-0.20	680,0	+4.00 - 2.00		34,0	6,0	3600,0	666,0	+1,0	9,3	8,00
700	9.00		730,0			34,0	6,0	4120,0	716,0		9,3	8,00
750	9.00		785,0			34,0	9,0	4540,0	768,0		9,3	9,00
800	9.00		835,0			34,0	9,0	5450,0	818,0		9,3	9,00
850	9.00		890,0			34,0	9,0	5990,0	870,0		9,3	10,00
900	9.00		940,0			34,0	9,0	6740,0	920,0		9,3	10,00
950	9.00		1000,0			34,0	9,0	7930,0	972,0		9,3	11,00
1000	9.00		1050,0			34,0	9,0	8880,0	1022,0		9,3	11,00