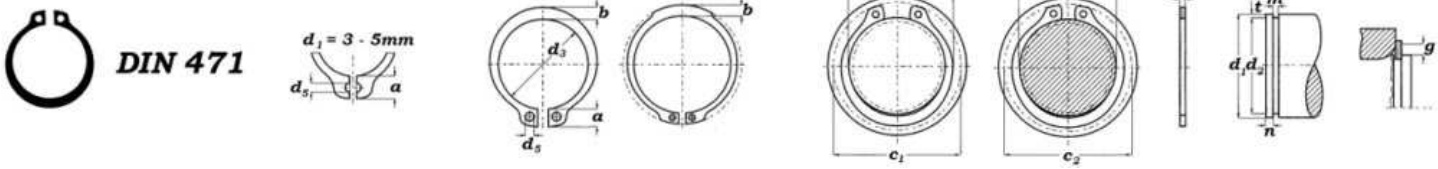
Pierścienie osadcze sprężynujące zewnętrzne

DIN 471



d_1	s	tol.	d_3	tol.	a max.	b	d_5 min.	masa [kg/1000]	d_2	tol.	m min.	t
3	0.40	-0.05	2.7	+0.04 -0.15	1.9	0.8	1.0	0.017	2.8	-0.04	0.50	0.10
4	0.40		3.7		2.2	0.9	1.0	0.022	3.8		0.50	0.10
5	0.60		4.7		2.5	1.1	1.0	0.006	4.8		0.70	0.10
6	0.70		5.6		2.7	1.3	1.2	0.084	5.7		0.80	0.15
7	0.80		6.5	+0.06 -0.18	3.1	1.4	1.2	0.121	6.7	-0.06	0.90	0.15
8	0.80		7.4		3.2	1.5	1.2	0.158	7.6		0.90	0.20
9	1.00	-0.06	8.4		3.3	1.7	1.2	0.300	8.6	-0.11	1.10	0.20
10	1.00		9.3	+ 0.01 -0.36	3.3	1.8	1.5	0.340	9.6		1.10	0.20
11	1.00		10.2		3.3	1.8	1.5	0.410	10.5		1.10	0.25
12	1.00		11.0		3.3	1.8	1.7	0.500	11.5		1.10	0.25
13	1.00		11.9		3.4	2.0	1.7	0.530	12.4		1.10	0.30
14	1.00		12.9		3.5	2.1	1.7	0.640	13.4		1.10	0.30
15	1.00		13.8		3.6	2.2	1.7	0.670	14.3		1.10	0.35
16	1.00		14.7		3.7	2.2	1.7	0.700	15.2		1.10	0.40
17	1.00		15.7		3.8	2.3	1.7	0.820	16.2		1.10	0.40
18	1.20		16.5		3.9	2.4	2.0	1.110	17.0		1.30	0.50
19	1.20		17.5		3.9	2.5	2.0	1.220	18.0		1.30	0.50
20	1.20		18.5	+0.13 -0.42	4.0	2.6	2.0	1.300	19.0	-0.13	1.30	0.50
21	1.20		19.5		4.1	2.7	2.0	1.420	20.0		1.30	0.50
22	1.20		20.5		4.2	2.8	2.0	1.500	21.0		1.30	0.50
23	1.20		21.5		4.3	2.9	2.0	1.630	22.0	-0.15	1.30	0.50
24	1.20		22.2	+ 0.21 -0.42	4.4	3.0	2.0	1.770	22.9	-0.21	1.30	0.55
25	1.20		23.2		4.4	3.0	2.0	1.900	23.9		1.30	0.55
26	1.20		24.2		4.5	3.1	2.0	1.960	24.9		1.30	0.55
27	1.20		24.9		4.6	3.1	2.0	2.080	25.6		1.30	0.70
28	1.50		25.9		4.7	3.2	2.0	2.920	26.6		1.60	0.70
29	1.50		20.9		4.8	3.4	2.0	3.200	27.6		1.60	0.70
30	1.50		27.9		5.0	3.5	2.0	3.320	28.6		1.60	0.70
31	1.50		38.6		5.1	3.5	2.5	3.450	29.3		1.60	0.85
32	1.50		29.6		5.2	3.6	2.5	3.540	30.3	-0.25	1.60	0.85
33	1.50		30.5	+ 0.25 -0.50	5.2	3.7	2.5	3.690	31.3		1.60	0.85
34	1.50		31.5		5.4	3.8	2.5	3.800	32.3		1.60	0.85
35	1.50		32.2		5.6	3.9	2.5	4.000	33.0		1.60	1.00
36	1.75		33.2		5.6	4.0	2.5	5.000	34.0		1.85	1.00
37	1.75		34.2		5.7	4.1	2.5	5.370	35.0		1.85	1.00
38	1.75		35.2		5.8	4.2	2.5	5.620	36.0		1.85	1.00
39	1.75		36.0		5.9	4.3	2.5	5.850	37.0		1.85	1.00
40	1.75		36.5		6.0	4.4	2.5	6.030	37.5		1.85	1.25

d_1	s	tol.	d_3	tol.	a max.	b	d_5 min.	masa [kg/1000]	d_2	tol.	m min.	t
41	1.75		37.5		6.2	4.5	2.5	6.215	38.5		1.85	1.25
42	1.75		38.5		6.5	4.5	2.5	6.500	39.5		1.85	1.25
44	1.75		40.5		6.6	4.6	2.5	7.000	41.5		1.85	1.25
45	1.75	-0.06	41.5		6.7	4.7	2.5	7.500	42.5		1.85	1.25
46	1.75		42.5	+0.39 -0.90	6.7	4.8	2.5	7.600	43.5	-0.25	1.85	1.25
47	1.75		43.5		6.8	4.9	2.5	7.500	44.5		1.85	1.25
48	1.75		44.5		6.9	5.0	2.5	7.900	45.5		1.85	1.25
50	2.00	-0.07	45.8		6.9	5.1	2.5	10.20	47.0		2.15	1.50
52	2.00		47.8		7.0	5.2	2.5	11.10	49.0		2.15	1.50
54	2.00		49.8		7.1	5.3	2.5	11.30	51.0	- 0.30	2.15	1.50
55	2.00		50.8		7.2	5.4	2.5	11.40	52.0		2.15	1.50
56	2.00		51.8		7.3	5.5	2.5	11.80	53.0		2.15	1.50
57	2.00		52.8		7.3	5.5	2.5	12.20	54.0		2.15	1.50
58	2.00		53.8		7.3	5.6	2.5	12.60	55.0		2.15	1.50
60	2.00		55.8		7.4	5.8	2.5	12.90	57.0		2.15	1.50
62	2.00		57.8		7.5	6.0	2.5	14.30	59.0		2.15	1.50
63	2.00		58.8		7.6	6.2	2.5	15.90	60.0		2.15	1.50
65	2.50		60.8		7.8	6.3	3.0	18.20	62.0		2.65	1.50
67	2.50		62.5		7.9	6.4	3.0	20.30	64.0		2.65	1.50
68	2.50		63.5	+0.46 -1.10	8.0	6.5	3.0	21.80	65.0		2.65	1.50
70	2.50		65.5		8.1	6.6	3.0	22.00	67.0		2.65	1.50
72	2.50		67.5		8.2	6.8	3.0	22.50	69.0		2.65	1.50
75	2.50		70.5		8.4	7.0	3.0	24.60	72.0		2.65	1.50
77	2.50		72.5		8.5	7.2	3.0	25.70	74.0		2.65	1.50
78	2.50		73.5		8.6	7.3	3.0	26.20	75.0		2.65	1.50
80	2.50		74.5		8.6	7.4	3.0	27.30	76.5		2.65	1.75
82	2.50		76.5		8.7	7.6	3.0	31.20	78.5		2.65	1.75
85	3.00	-0.08	79.5		8.7	7.8	3.5	36.40	81.5	- 0.35	3.15	1.75
87	3.00		81.5		8.8	7.9	3.5	39.80	83.5		3.15	1.75
88	3.00		82.5		8.8	8.0	3.5	41.20	84.5		3.15	1.75
90	3.00		84.5		8.8	8.2	3.5	44.50	86.5		3.15	1.75
92	3.00		86.5		9.0	8.4	3.5	46.00	88.5		3.15	1.75
95	3.00		89.5	+0.54 -1.30	9.4	8.6	3.5	49.0	91.5		3.15	1.75
97	3.00		91.5		9.4	8.8	3.5	50.2	93.5		3.15	1.75
98	3.00		91.5		9.4	8.8	3.5	50.2	94.5		3.15	1.75
100	3.00		94.5		9.6	9.0	3.5	53.7	96.5		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		95.0		9.7	9.2	3.5	78.0	98.0		4.15	2.00
105	4.00		98.0		9.9	9.3	3.5	80.0	101.0		4.15	2.00
107	4.00		100.0		10.0	9.5	3.5	81.0	103.0		4.15	2.00
108	4.00		100.0		10.0	9.5	3.5	81.0	104.0		4.15	2.00
110	4.00		103.0		10.1	9.6	3.5	82.0	106.0		4.15	2.00
112	4.00		105.0		10.3	9.7	3.5	83.0	108.0	-0.54	4.15	2.00
115	4.00		108.0	+0.54 -1.30	10.6	9.8	3.5	84.0	111.0		4.15	2.00
117	4.00		110.0		10.8	10.0	3.5	85.0	113.0		4.15	2.00
118	4.00		110.0		10.8	10.0	3.5	85.0	114.0		4.15	2.00
120	4.00		113.0		11.0	10.2	3.5	86.0	116.0		4.15	2.00
122	4.00		115.0		11.2	10.3	4.0	88.0	118.0		4.15	2.00
125	4.00		118.0		11.4	10.4	4.0	90.0	121.0	-0.63	4.15	2.00
127	4.00		120.0		11.4	10.5	4.0	95.0	123.0		4.15	2.00
128	4.00		120.0		11.4	10.5	4.0	95.0	124.0		4.15	2.00
130	4.00		123.0		11.6	10.7	4.0	100.0	126.0		4.15	2.00
132	4.00		125.0		11.7	10.8	4.0	103.0	128.0		4.15	2.00
135	4.00		128.0		11.8	11.0	4.0	104.0	131.0		4.15	2.00
137	4.00		130.0		11.9	11.0	4.0	107.0	133.0		4.15	2.00
138	4.00	-0.10	130.0		11.9	11.0	4.0	107.0	134.0		4.15	2.00
140	4.00		133.0		12.0	11.2	4.0	110.0	136.0		4.15	2.00
142	4.00		135.0		12.1	11.3	4.0	112.0	138.0		4.15	2.00
145	4.00		138.0		12.2	11.5	4.0	115.0	141.0		4.15	2.00
147	4.00		140.0		12.3	11.6	4.0	116.0	143.0		4.15	2.00
148	4.00		140.0		12.3	11.6	4.0	116.0	144.0		4.15	2.00
150	4.00		142.0		13.0	11.8	4.0	120.0	145.0		4.15	2.50
152	4.00		143.0	+0.63 -1.50	13.0	11.9	4.0	128.0	147.0		4.15	2.50
155	4.00		146.0		13.0	12.0	4.0	135.0	150.0		4.15	2.50
157	4.00		148.0		13.1	12.0	4.0	140.0	152.0		4.15	2.50
158	4.00		148.0		13.1	12.0	4.0	140.0	153.0		4.15	2.50
160	4.00		151.0		13.3	12.2	4.0	150.0	155.0		4.15	2.50
162	4.00		152.5		13.3	12.3	4.0	155.0	157.0		4.15	2.50
165	4.00		155.5		13.5	12.5	4.0	160.0	160.0		4.15	2.50
167	4.00		157.5		13.5	12.9	4.0	163.0	162.0		4.15	2.50
168	4.00		157.5		13.5	12.9	4.0	163.0	163.0		4.15	2.50
170	4.00		160.5		13.5	12.9	4.0	170.0	165.0		4.15	2.50
172	4.00		160.5		13.5	12.9	4.0	170.0	167.0		4.15	2.50
175	4.00		165.5		13.5	12.9	4.0	180.0	170.0		4.15	2.50

d_1	s	tol.	d_3	tol.	a max.	b	d_5 min.	masa [kg/1000]	d_2	tol.	m min.	t
177	4.00		167.5		14.2	13.5	4.0	183.0	172.0		4.15	2.50
178	4.00		167.5		14.2	13.5	4.0	183.0	173.0		4.15	2.50
180	4.00		170.5		14.2	13.5	4.0	190.0	175.0	-0.63	4.15	2.50
182	4.00		170.5	+0.63 -1.50	14.2	13.5	4.0	190.0	177.0		4.15	2.50
185	4.00		175.5		14.2	13.5	4.0	200.0	180.0		4.15	2.50
187	4.00		177.5		14.2	14.0	4.0	203.0	182.0	-0.72	4.15	2.50
188	4.00	-0.10	177.5		14.2	14.0	4.0	203.0	183.0		4.15	2.50
190	4.00		180.5	+ 0.72 -1.70	14.2	14.0	4.0	210.0	185.0		4.15	2.50
192	4.00		180.5		14.2	14.0	4.0	210.0	187.0		4.15	2.50
195	4.00		185.5		14.2	14.0	4.0	220.0	190.0		4.15	2.50
197	4.00		187.5		14.2	14.0	4.0	223.0	192.0		4.15	2.50
198	4.00		187.5		14.2	14.0	4.0	223.0	193.0		4.15	2.50
200	4.00		190.5		14.2	14.0	4.0	230.0	195.0		4.15	2.50
202	5.00		190.0		14.2	14.0	4.0	235.0	196.0		5.15	3.00
205	5.00		193.0		14.2	14.0	4.0	243.0	199.0		5.15	3.00
207	5.00		193.0		14.2	14.0	4.0	243.0	201.0		5.15	3.00
208	5.00		193.0		14.2	14.0	4.0	243.0	202.0		5.15	3.00
210	5.00		198.0		14.2	14.0	4.0	248.0	204.0		5.15	3.00
212	5.00		198.0		14.2	14.0	4.0	248.0	206.0		5.15	3.00
215	5.00		203.0		14.2	14.0	4.0	260.0	209.0		5.15	3.00
217	5.00		203.0		14.2	14.0	4.0	260.0	211.0		5.15	3.00
218	5.00		203.0		14.2	14.0	4.0	260.0	212.0		5.15	3.00
220	5.00		208.0		14.2	14:0	4.0	265.0	214.0		5.15	3.00
222	5.00		208.0		14.2	14.0	4.0	265.0	216.0		5.15	3.00
225	5.00		213.0		14.2	14.0	4.0	280.0	219.0		5.15	3.00
227	5.00	-0.12	213.0		14.2	14.0	4.0	280.0	221.0		5.15	3.00
228	5.00		213.0		14.2	14.0	4.0	280.0	222.0		5.15	3.00
230	5.00		218.0		14.2	14.0	4.0	290.0	224.0		5.15	3.00
232	5.00		218.0		14.2	14.0	4.0	290.0	226.0		5.15	3.00
235	5.00		223.0		14.2	14.0	4.0	305	229		5.15	3.00
237	5.00		223.0		14.2	14.0	4.0	305	231		5.15	3.00
238	5.00		223.0		14.2	14.0	4.0	305	232		5.15	3.00
240	5.00		228.0		14.2	14.0	4.0	310	234		5.15	3.00
242	5.00		228.0		14.2	14.0	4.0	310	236		5.15	3.00
245	5.00		233.0		14.2	14.0	4.0	325	239		5.15	3.00
247	5.00		233.0		14.2	14.0	4.0	325	241		5.15	3.00
248	5.00		233.0		14.2	14.0	4.0	325	242		5.15	3.00

d_1	s	tol.	d_3	tol.	a max.	b	d_5 min.	masa [kg/1000]	d_2	tol.	m min.	t
250	5.00		238.0		14.2	14.0	4.0	335	244		5.15	3.00
252	5.00		238.0		16.2	16.0	5.0	335	244		5.15	4.00
255	5.00		240.0		16.2	16.0	5.0	348	247	-0.72	5.15	4.00
257	5.00		240.0		16.2	16.0	5.0	348	249		5.15	4.00
258	5.00		240.0		16.2	16.0	5.0	348	250		5.15	4.00
260	5.00		245.0	+ 0.72 -1.70	16.2	16.0	5.0	355	252	-0.81	5.15	4.00
262	5.00		245.0		16.2	16.0	5.0	355	254		5.15	4.00
265	5.00		250.0		16.2	16.0	5.0	370	257		5.15	4.00
267	5.00		250.0		16.2	16.0	5.0	370	259		5.15	4.00
268	5.00		250.0		16.2	16.0	5.0	370	260		5.15	4.00
270	5.00		255.0		16.2	16.0	5.0	375	262		5.15	4.00
272	5.00		255.0		16.2	16.0	5	375	264		5.15	4.00
275	5.00	-0.12	260.0		16.2	16.0	5.0	390	267		5.15	4.00
277	5.00		260.0		16.2	16.0	5.0	390	269		5.15	4.00
278	5.00		260.0		16.2	16.0	5.0	390	270		5.15	4.00
280	5.00		265.0		16.2	16.0	5.0	398	272		5.15	4.00
282	5.00		265.0		16.2	16.0	5.0	398	274		5.15	4.00
285	5.00		270.0		16.2	16.0	5.0	410	277		5.15	4.00
287	5.00		270.0	+ 0.81 -2.00	16.2	16.0	5.0	410	279		5.15	4.00
288	5.00		270.0		16.2	16.0	5.0	410	280		5.15	4.00
290	5.00		275.0		16.2	16.0	5.0	418	282		5.15	4.00
292	5.00		275.0		16.2	16.0	5.0	418	284		5.15	4.00
295	5.00		280.0		16.2	16.0	5.0	430	287		5.15	4.00
297	5.00		280.0		16.2	16.0	5.0	430	289		5.15	4.00
298	5.00		280.0		16.2	16.0	5.0	430	290		5.15	4.00
300	5.00		285.0		16.2	16.0	5.0	440	292		5.15	4.00

d_1	s	tol.	d_3	tol.	a max.	b	d_5 min.	masa [kg/1000]	d_2	tol.	m min.	t
310	6.00		2930			20.0	6.0	750	300	-0.81	6.2	5.00
320	6.00		3030	+0.81-2.00		20.0	6.0	770	310		6.2	5.00
330	6.00		3130			20.0	6.0	800	320		6.2	5.00
340	6.00		3230			20.0	6.0	840	330		6.2	5.00
350	6.00		3330			20.0	6.0	850	340		6.2	5.00
360	6.00		3430			20.0	6.0	880	350		6.2	5.00
370	6.00		3530			20.0	6.0	890	360	-0.89	6.2	5.00
380	6.00		3630	+0.90 –2.00		20.0	6.0	930	370		6.2	5.00
390	6.00		3730			20.0	6.0	950	380		6.2	5.00
400	6.00		3830			20.0	6.0	1040	390		6.2	5.00
410	7.00		3900			26.0	6.0	1320	398		7.2	6.00
420	7.00		4000			26.0	6.0	1360	408		7.2	6.00
430	7.00	-0.15	4100			26.0	6.0	1390	418		7.2	6.00
440	7.00		4200			26.0	6.0	1420	428		7.2	6.00
450	7.00		4300			26.0	6.0	1450	438		7.2	6.00
460	7.00		4400			26.0	6.0	1520	448		7.2	6.00
470	7.00		4500	+1.00–2.00		26.0	6.0	1590	458		7.2	6.00
480	7.00		4600			26.0	6.0	1660	468		7.2	6.00
490	7.00		4700			26.0	6.0	1725	478		7.2	6.00
500	7.00		4800			26.0	6.0	1790	488		7.2	6.00
520	8.00		4950			26.0	6.0	2350	506		8.2	7.00
540	8.00		5150	+1.50–3.00		26.0	6.0	2445	526	-1.00	8.2	7.00
560	8.00		5350			26.0	6.0	2580	546		8.2	7.00
580	8.00		5550			26.0	6.0	2760	566		8.2	7.00
600	8.00		5750			26.0	6.0	2920	586		8.2	7.00
650	9.00		6200			34.0	6.0	3770	634		9.3	8.00
700	9.00		6700			34.0	6.0	4070	684		9.3	8.00
750	9.00		7150			34.0	9.0	4640	732		9.3	9.00
800	9.00	-0.20	7650			34.0	9.0	5330	782		9.3	9.00
850	9.00		8100			34.0	9.0	6030	830		9.3	10.00
900	9.00		8600	+2.00–4.00		34.0	9.0	6640	880		9.3	10.00
1000	9.00		9500			34.0	9.0	8130	978		9.3	11.00