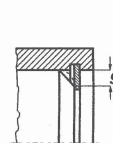
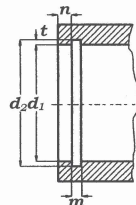
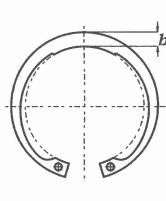
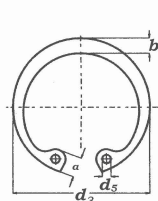


# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>	⊖									⊞				D A N E						
	s	Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.	$\frac{\Delta}{(kg/1000)}$	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN*mm)	
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	0.6	0.86	2.0	0.5	1.5	5.1	9.25	
9	0.80		9.8		2.5	1.3	1.0	0.13	9.4		0.90	0.20		0.96	2.0		1.5	5.7	8.40	
10	1.00		10.8		3.2	1.4	1.2	0.26	10.4		1.10	0.20		1.08	4.0		2.2	6.4	19.60	
11	1.00		11.8		3.3	1.5	1.2	0.31	11.4		1.10	0.20		1.17	4.0		2.3	7.0	21.00	
12	1.00		13.0		3.4	1.7	1.5	0.37	12.5		1.10	0.25		1.60	4.0		2.3	9.6	20.20	
13	1.00	-0.06	14.1	+0.42 -0.13	3.6	1.8	1.5	0.42	13.6	+0.11	1.10	0.30	0.9	2.10	4.2	1.0	2.3	12.5	20.30	
14	1.00		15.1		3.7	1.8	1.7	0.52	14.6		1.10	0.30		2.10	4.5		2.3	13.4	19.70	
15	1.00		16.2		3.7	2.0	1.7	0.56	15.7		1.10	0.35		2.80	5.0		2.3	16.8	19.00	
16	1.00		17.3		3.8	2.0	1.7	0.60	16.8		1.10	0.40		3.40	5.5		2.6	20.6	18.40	
17	1.00		18.3		3.9	2.1	1.7	0.65	17.8		1.10	0.40		3.60	6.0		2.5	21.8	18.10	
18	1.00	-0.06	19.5	+0.42 -0.13	4.1	2.2	2.0	0.74	19.0	+0.13	1.10	0.50	1.5	4.80	6.5	1.0	2.6	29.0	18.20	
19	1.00		20.5		4.1	2.2	2.0	0.83	20.0		1.10	0.50		5.10	6.8		2.6	30.6	17.20	
20	1.00		21.5		4.1	2.3	2.0	0.90	21.0		1.10	0.50		5.40	7.2		2.6	32.2	16.90	
21	1.00		22.5		4.2	2.4	2.0	1.00	22.0		1.10	0.50		5.70	7.6		2.6	33.8	17.20	
22	1.00		23.5		4.2	2.5	2.0	1.10	23.0		1.10	0.50		5.90	8.0		2.7	35.3	17.60	
23	1.20	-0.06	24.6	+0.42 -0.21	4.2	2.5	2.0	1.34	24.1	+0.21	1.30	0.55	1.7	6.80	8.0	1.0	4.6	40.7	28.80	
24	1.20		25.9		4.3	2.6	2.0	1.42	25.2		1.30	0.60		7.70	13.9		4.6	46.3	28.40	
25	1.20		26.9		4.5	2.7	2.0	1.50	26.2		1.30	0.60		8.00	14.6		4.7	48.2	29.00	
26	1.20		27.9		4.7	2.8	2.0	1.60	27.2		1.30	0.60		8.40	13.8		4.6	50.1	27.80	
27	1.20		29.1		4.7	2.9	2.0	1.75	28.4		1.30	0.70		10.10	13.3		4.5	60.9	26.60	
28	1.20	-0.06	30.1	+0.50 -0.25	4.8	2.9	2.0	1.80	29.4	+0.25	1.30	0.70	2.1	10.50	13.3	1.0	4.5	63.1	26.30	
29	1.20		31.1		4.8	3.0	2.0	1.88	30.4		1.30	0.70		10.90	13.6		4.6	65.3	26.80	
30	1.20		32.1		4.8	3.0	2.0	2.06	31.4		1.30	0.70		11.30	13.7		4.6	67.5	26.60	
31	1.20		33.4		5.2	3.1	2.5	2.10	32.7		1.30	0.85		14.10	13.8		4.7	84.8	26.80	
32	1.20		34.4		5.4	3.2	2.5	2.21	33.7		1.30	0.85		14.60	13.8		4.7	87.9	26.60	
33	1.20	-0.06	35.5	+0.90 -0.39	5.4	3.3	2.5	2.40	34.7	+0.25	1.30	0.85	2.6	15.00	14.3	1.5	4.9	90.3	27.00	
34	1.50		36.5		5.4	3.3	2.5	3.20	35.7		1.60	0.85		15.40	26.2		6.3	92.6	50.00	
35	1.50		37.8		5.4	3.4	2.5	3.54	37.0		1.60	1.00		18.80	26.9		6.4	113.0	50.50	
36	1.50		38.8		5.4	3.5	2.5	3.70	38.0		1.60	1.00		19.40	26.4		6.4	116.0	50.20	
37	1.50		39.8		5.5	3.6	2.5	3.74	39.0		1.60	1.00		19.80	27.1		6.5	119.0	51.00	
38	1.50	-0.06	40.8	+0.90 -0.39	5.5	3.7	2.5	3.90	40.0	+0.25	1.60	1.00	3.0	22.50	28.2	2.0	6.7	123.0	51.70	
39	1.50		42.0		5.6	3.8	2.5	4.00	41.0		1.60	1.00		26.00	28.8		6.9	126.0	52.40	
40	1.75		43.5		5.8	3.9	2.5	4.70	42.5		1.85	1.25		27.00	44.6		8.3	162.0	80.10	
41	1.75		44.5		5.9	4.0	2.5	5.10	43.5		1.85	1.25		27.60	45.0		8.3	166.0	81.20	
42	1.75		45.5		5.9	4.1	2.5	5.40	44.5		1.85	1.25		28.40	44.7		8.4	170.0	80.90	



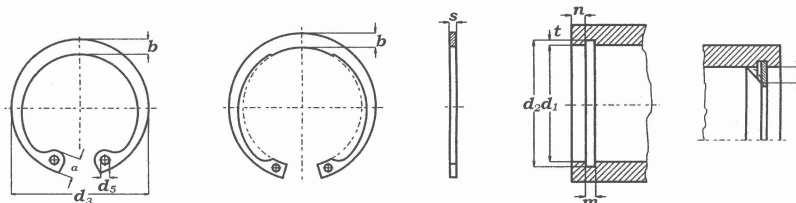
DIN 472




ul. Władysława Łokietka 167B/a, 31-263 Kraków, tel./fax: 012 415 15 01  
kom. 601 53 33 66, 504 25 99 11, e-mail: industrial@segery.com.pl www.segery.eu

# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>	s	⊙								H				D A N E						
		Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.	$\frac{\Delta}{(kg/1000)}$	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN*mm)	
43	1.75	-0.06	46.5	+0.90 -0.39	5.9	4.2	2.5	5.60	45.5	+0.25	1.85	1.25	3.8	28.80	44.5	2.0	8.4	173	80.5	
44	1.75		47.5		6.0	4.2	2.5	5.80	46.5		1.85	1.25		29.50	43.3		8.3	177	78.6	
45	1.75		48.5		6.2	4.3	2.5	6.00	47.5		1.85	1.25		30.20	43.1		8.2	181	78.1	
46	1.75		49.5		6.3	4.4	2.5	6.05	48.5		1.85	1.25		30.80	42.9		8.2	185	77.8	
47	1.75		50.5		6.4	4.4	2.5	6.10	49.5		1.85	1.25		31.40	43.5		8.3	189	78.9	
48	1.75	-0.06	51.5	+1.10 -0.46	6.4	4.5	2.5	6.70	50.5	+0.30	1.85	1.25	3.8	32.00	43.2	2.0	8.4	193	78.5	
50	2.00		54.2		6.5	4.6	2.5	7.30	53.0		2.15	1.50		40.50	60.8		12.1	243	111.0	
51	2.00		55.2		6.5	4.7	2.5	7.75	54.0		2.15	1.50		41.20	60.2		12.0	247	109.0	
52	2.00		56.2		6.7	4.7	2.5	8.20	55.0		2.15	1.50		42.00	60.2		12.0	252	108.0	
53	2.00		57.2		6.7	4.9	2.5	8.22	56.0		2.15	1.50		42.90	60.7		12.1	257	110.0	
54	2.00	-0.07	58.2	+1.30 -0.54	6.7	5.0	2.5	8.25	57.0	+0.35	2.15	1.50	4.5	43.60	60.4	2.0	12.3	262	110.0	
55	2.00		59.2		6.8	5.0	2.5	8.30	58.0		2.15	1.50		44.40	60.3		12.5	266	111.0	
56	2.00		60.2		6.8	5.1	2.5	8.80	59.0		2.15	1.50		45.20	60.3		12.6	271	111.0	
57	2.00		61.2		6.8	5.1	2.5	9.40	60.0		2.15	1.50		46.00	60.8		12.7	276	112.0	
58	2.00		62.2		6.9	5.2	2.5	10.50	61.0		2.15	1.50		46.70	60.8		12.7	280	112.0	
60	2.00	-0.07	64.2	+1.30 -0.54	7.3	5.4	2.5	11.10	63.0	+0.30	2.15	1.50	4.5	48.30	61.0	2.0	13.0	290	113.0	
62	2.00		66.2		7.3	5.5	2.5	11.20	65.0		2.15	1.50		49.80	60.9		13.0	299	112.0	
63	2.00		67.2		7.3	5.6	2.5	12.40	66.0		2.15	1.50		50.60	60.8		13.0	304	112.0	
64	2.00		68.2		7.4	5.7	2.5	12.45	67.0		2.15	1.50		51.40	60.6		13.0	308	112.0	
65	2.50		69.2		7.6	5.8	3.0	14.30	68.0		2.65	1.50		51.80	121.0		2.5	20.8	313	220.0
67	2.50	-0.07	71.5	+1.30 -0.54	7.7	6.0	3.0	15.30	70.0	+0.35	2.65	1.50	4.5	53.80	121.0	2.5	21.1	323	222.0	
68	2.50		72.5		7.8	6.1	3.0	16.00	71.0		2.65	1.50		56.20	119.0		21.0	337	218.0	
70	2.50		74.5		7.8	6.2	3.0	16.50	73.0		2.65	1.50		56.20	119.0		21.0	337	218.0	
72	2.50		76.5		7.8	6.4	3.0	18.10	75.0		2.65	1.50		58.00	119.0		21.0	346	217.0	
75	2.50		79.5		7.8	6.6	3.0	18.80	78.0		2.65	1.50		60.00	118.0		21.0	360	215.0	
77	2.50	-0.08	82.5	+1.30 -0.54	8.5	6.8	3.0	20.40	80.0	+0.35	2.65	1.50	4.5	61.60	121.0	2.5	21.5	370	220.0	
78	2.50		82.5		8.5	6.8	3.0	20.40	81.0		2.65	1.50		62.30	122.0		21.8	374	221.0	
80	2.50		85.5		8.5	7.0	3.0	22.00	83.5		2.65	1.75		74.60	120.0		21.8	448	219.0	
81	2.50		86.5		8.5	7.0	3.0	23.00	84.5		2.65	1.75		75.80	119.0		21.6	455	216.0	
82	2.50		87.5		8.5	7.0	3.0	24.00	85.5		2.65	1.75		76.60	119.0		21.4	460	214.0	
83	2.50	-0.08	88.5	+1.30 -0.54	8.5	7.0	3.0	25.00	86.5	+0.35	2.65	1.75	5.3	77.50	118.0	2.5	21.2	466	213.0	
85	3.00		90.5		8.6	7.2	3.5	25.30	88.5		3.15	1.75		79.50	201.0		3.0	31.2	477	364.0
87	3.00		93.5		8.6	7.4	3.5	31.00	90.5		3.15	1.75		81.30	204.0		3.18	488	370.0	
88	3.00		93.5		8.6	7.4	3.5	31.00	91.5		3.15	1.75		82.00	209.0		32.7	493	380.0	
90	3.00		95.5		8.6	7.6	3.5	33.00	93.5		3.15	1.75		84.00	199.0		31.4	504	364.0	

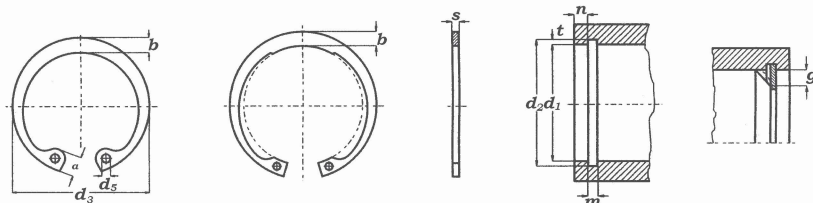


# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>	⊖									⊞				D A N E						
	s	Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.		(kg/1000)	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN·mm)
92	3.00		97.5		8.7	7.8	3.5	35.0	95.5		3.15	1.75	5.3	85.0	201	3.0	32.0	515	371	
95	3.00		100.5		8.8	8.1	3.5	37.0	98.5		3.15	1.75		88.0	195		31.4	532	365	
97	3.00	-0.08	103.5		9.0	8.3	3.5	41.0	100.5	+0.35	3.15	1.75		90.0	193		31.2	543	364	
98	3.00		103.5		9.0	8.3	3.5	41.0	101.5		3.15	1.75		91.0	191		31.0	548	361	
100	3.00		105.5		9.2	8.4	3.5	42.0	103.5		3.15	1.75		93.0	188		30.8	559	359	
102	4.00		108.0	+1.30	9.5	8.5	3.5	55.0	106.0		4.15	2.00	6.0	108.0	439	3.0	72.6	653	846	
105	4.00		112.0	-0.54	9.5	8.7	3.5	56.0	109.0		4.15	2.00		112.0	436		73.0	672	850	
107	4.00		115.0		9.5	8.9	3.5	60.0	111.0		4.15	2.00		114.0	425		71.6	684	834	
108	4.00		115.0		9.5	8.9	3.5	60.0	112.0	+0.54	4.15	2.00		115.0	419		71.0	691	825	
110	4.00		117.0		10.4	9.0	3.5	64.5	114.0		4.15	2.00		117.0	415		71.0	704	824	
112	4.00		119.0		10.5	9.1	3.5	72.0	116.0		4.15	2.00	6.0	119.0	418	3.0	72.0	715	837	
115	4.00		122.0		10.5	9.3	3.5	74.5	119.0		4.15	2.00		122.0	409		71.2	735	829	
117	4.00		125.0		10.7	9.6	3.5	75.5	121.0		4.15	2.00		124.0	399		70.0	747	814	
118	4.00		125.0		10.7	9.6	3.5	75.5	122.0		4.15	2.00		125.0	394		69.3	754	807	
120	4.00		127.0		11.0	9.7	3.5	77.0	124.0		4.15	2.00		127.0	396		70.0	767	818	
122	4.00		129.0		11.0	9.8	4.0	78.0	126.0		4.15	2.00	6.0	129.0	399	3.0	71.0	779	829	
125	4.00		132.0		11.0	10.0	4.0	79.0	129.0		4.15	2.00		132.0	385		70.0	797	809	
127	4.00	-0.10	135.0		11.0	10.0	4.0	81.0	131.0		4.15	2.00		135.0	383		70.0	810	808	
128	4.00		135.0		11.0	10.2	4.0	81.0	132.0		4.15	2.00		136.0	378		69.0	816	802	
130	4.00		137.0		11.0	10.2	4.0	82.0	134.0		4.15	2.00		138.0	374		69.0	829	801	
132	4.00		139.0	+1.50	11.0	10.3	4.0	83.0	136.0		4.15	2.00	6.0	140.0	366	3.0	68.0	842	789	
135	4.00		142.0	-0.63	11.2	10.5	4.0	84.0	139.0	+0.63	4.15	2.00		143.0	358		67.0	860	781	
137	4.00		145.0		11.2	10.6	4.0	86.0	141.0		4.15	2.00		145.0	356		67.0	874	780	
138	4.00		145.0		11.2	10.6	4.0	86.0	142.0		4.15	2.00		146.0	352		66.5	880	775	
140	4.00		147.0		11.2	10.7	4.0	87.5	144.0		4.15	2.00		148.0	350		66.5	892	775	
142	4.00		149.0		11.3	10.8	4.0	89.0	146.0		4.15	2.00	6.0	150.0	342	3.0	65.5	905	764	
145	4.00		152.0		11.4	10.9	4.0	93.0	149.0		4.15	2.00		153.0	336		65.0	923	757	
147	4.00		155.0		11.8	11.1	4.0	100.0	151.0		4.15	2.00		156.0	336		65.0	936	757	
148	4.00		155.0		11.8	11.1	4.0	100.0	152.0		4.15	2.00		157.0	331		64.5	942	753	
150	4.00		158.0		12.0	11.2	4.0	105.0	155.0		4.15	2.50	7.5	191.0	326		64.0	1198	748	
152	4.00		161.0		12.0	11.3	4.0	106.0	157.0		4.15	2.50	7.5	202.0	326	3.5	55.0	1212	747	
155	4.00		164.0		12.0	11.4	4.0	107.0	160.0		4.15	2.50		206.0	324		55.0	1237	743	
157	4.00		167.0		12.3	11.5	4.0	109.0	162.0		4.15	2.50		208.0	328		55.5	1251	752	
158	4.00		167.0		12.3	11.5	4.0	109.0	163.0		4.15	2.50		210.0	326		55.0	1260	747	
160	4.00		169.0		13.0	11.6	4.0	110.0	165.0		4.15	2.50		212.0	321		54.5	1275	737	



DIN 472



**industrial - inox**

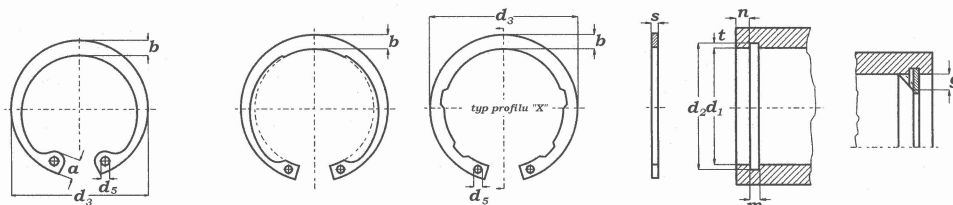
ul. Władysława Łokietka 167B/a, 31-263 Kraków, tel./fax: 012 415 15 01  
kom. 601 53 33 66, 504 25 99 11, e-mail: industrial@segey.com.pl www.segey.eu

# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>	⊖									⊕				D A N E						
	s	Δ	d <sub>3</sub>	Δ	α max.	b ≈	d <sub>5</sub> min.	$\frac{\Delta}{(kg/1000)}$	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN·mm)	
162	4.00		171.5		13.0	11.7	4.0	118.0	167.0		4.15	2.50	7.5	215.0	321	3.5	54.5	1290	736	
165	4.00		174.5	+1.50	13.0	11.8	4.0	125.0	170.0		4.15	2.50		219.0	319		54.0	1315	732	
167	4.00		177.5	-0.63	13.5	12.1	4.0	135.0	172.0		4.15	2.50		221.0	355		60.0	1330	814	
168	4.00		177.5		13.5	12.1	4.0	135.0	173.0	+0.63	4.15	2.50		223.0	353		60.0	1339	810	
170	4.00		179.5		13.5	12.2	4.0	140.0	175.0		4.15	2.50		225.0	349		59.0	1355	800	
172	4.00		181.5		13.5	12.5	4.0	145.0	177.0		4.15	2.50	7.5	228.0	357	3.5	60.0	1370	818	
175	4.00		184.5		13.5	12.7	4.0	150.0	180.0		4.15	2.50		232.0	351		59.0	1393	804	
177	4.00		187.5		14.2	12.9	4.0	162.0	182.0		4.15	2.50		235.0	346		58.5	1410	794	
178	4.00		187.5		14.2	12.9	4.0	162.0	183.0		4.15	2.50		236.0	344		58.0	1418	789	
180	4.00	-0.10	189.5		14.2	13.2	4.0	165.0	185.0		4.15	2.50		238.0	347		58.5	1432	796	
182	4.00		191.5		14.2	13.5	4.0	168.0	187.0		4.15	2.50	7.5	241.0	355	3.5	60.0	1449	814	
185	4.00		194.5		14.2	13.7	4.0	170.0	190.0		4.15	2.50		245.0	349		59.0	1471	800	
187	4.00		197.5		14.2	13.8	4.0	174.0	192.0		4.15	2.50		248.0	345		58.5	1490	792	
188	4.00		197.5		14.2	13.8	4.0	174.0	193.0		4.15	2.50		249.0	343		58.0	1495	786	
190	4.00		199.5		14.2	13.8	4.0	175.0	195.0		4.15	2.50		251.0	340		57.5	1510	779	
192	4.00		201.5		14.2	13.8	4.0	178.0	197.0		4.15	2.50	7.5	254.0	336	3.5	57.0	1528	770	
195	4.00		204.5		14.2	13.8	4.0	183.0	200.0		4.15	2.50		258.0	330		55.5	1550	756	
197	4.00		207.5		14.2	14.0	4.0	190.0	202.0		4.15	2.50		260.0	330		55.5	1565	756	
198	4.00		207.5	+1.70	14.2	14.0	4.0	190.0	203.0		4.15	2.50		262.0	329		55.5	1575	754	
200	4.00	-0.72	209.5	-0.72	14.2	14.0	4.0	195.0	205.0		4.15	2.50		265.0	325		55.0	1590	745	
202	5.00		214.0		14.2	14.0	4.0	210.0	208.0	+0.72	5.15	3.00	9.0	321.0	625	4.0	92.5	1930	1432	
205	5.00		217.0		14.2	14.0	4.0	225.0	211.0		5.15	3.00		326.0	616		91.5	1960	1411	
207	5.00		217.0		14.2	14.0	4.0	225.0	213.0		5.15	3.00		329.0	610		90.0	1979	1399	
208	5.00		222.0		14.2	14.0	4.0	270.0	214.0		5.15	3.00		331.0	607		90.0	1990	1392	
210	5.00		222.0		14.2	14.0	4.0	270.0	216.0		5.15	3.00		333.0	601		89.5	2002	1378	
212	5.00		222.0		14.2	14.0	4.0	270.0	218.0		5.15	3.00	9.0	337.0	596	4.0	88.5	2025	1367	
215	5.00	-0.12	227.0		14.2	14.0	4.0	300.0	221.0		5.15	3.00		341.0	586		87.0	2050	1343	
217	5.00		227.0		14.2	14.0	4.0	300.0	223.0		5.15	3.00		345.0	581		86.0	2072	1331	
218	5.00		232.0		14.2	14.0	4.0	315.0	224.0		5.15	3.00		346.0	580		86.0	2080	1329	
220	5.00		232.0		14.2	14.0	4.0	315.0	226.0		5.15	3.00		349.0	574		85.0	2095	1316	
222	5.00		232.0		14.2	14.0	4.0	315.0	228.0		5.15	3.00	9.0	353.0	568	4.0	84.0	2120	1303	
225	5.00		237.0		14.2	14.0	4.0	323.0	231.0		5.15	3.00		357.0	560		83.0	2145	1283	
227	5.00		237.0		14.2	14.0	4.0	323.0	233.0		5.15	3.00		361.0	555		82.0	2170	1271	
228	5.00		242.0		14.2	14.0	4.0	330.0	234.0		5.15	3.00		362.0	554		82.0	2175	1268	
230	5.00		242.0		14.2	14.0	4.0	330.0	236.0		5.15	3.00		365.0	549		81.0	2196	1259	






DIN 472



**industrial - inox**

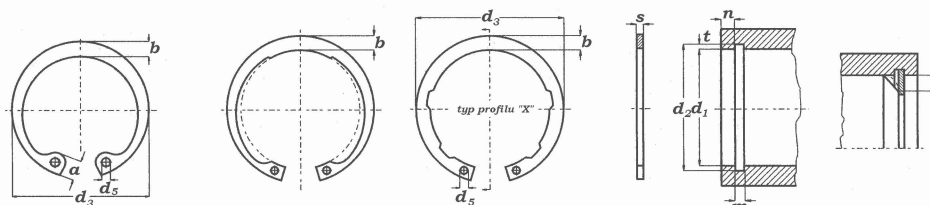
ul. Władysława Łokietka 167B/a, 31-263 Kraków, tel./fax: 012 415 15 01  
kom. 601 53 33 66, 504 25 99 11, e-mail: industrial@segeru.com.pl www.segeru.eu

# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>														D A N E					
	s	Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.	 (kg/1000)	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN•mm)
232	5.00		242.0		14.2	14.0	4.0	330	238	+0.72	5.15	3.00	9.0	369	544	4.0	80.50	2215	1246
235	5.00		247.0		14.2	14.0	4.0	338	241		5.15	3.00		373	536		79.50	2240	1229
237	5.00		247.0		14.2	14.0	4.0	338	243		5.15	3.00		376	531		79.00	2260	1217
238	5.00		252.0		14.2	14.0	4.0	345	244		5.15	3.00		378	530		79.00	2270	1214
240	5.00		252.0		14.2	14.0	4.0	345	246		5.15	3.00		380	525		77.50	2285	1204
242	5.00		252.0		14.2	14.0	4.0	345	248	+0.81	5.15	3.00	9.0	385	521	4.0	77.00	2310	1194
245	5.00		257.0		14.2	14.0	4.0	353	251		5.15	3.00		389	514		76.50	2335	1178
247	5.00		257.0		14.2	14.0	4.0	353	253		5.15	3.00		392	509		76.00	2365	1167
248	5.00		262.0		14.2	14.0	4.0	360	254		5.15	3.00		394	507		75.50	2365	1163
250	5.00		262.0		14.2	14.0	4.0	360	256		5.15	3.00		396	504		75.00	2380	1155
252	5.00		262.0		14.2	16.0	5.0	360	260	+0.81	5.15	4.00	12.0	535	557	4.0	83.00	3215	1277
255	5.00		270.0		16.2	16.0	5.0	368	263		5.15	4.00		541	549		81.50	3250	1259
257	5.00		270.0		16.2	16.0	5.0	368	265		5.15	4.00		546	545		81.00	3280	1249
258	5.00		275.0		16.2	16.0	5.0	375	266		5.15	4.00		548	543		80.50	3290	1244
260	5.00		275.0		16.2	16.0	5.0	375	268		5.15	4.00		553	538		80.00	3320	1234
262	5.00	-0.12	275.0	+2.00 -0.81	16.2	16.0	5.0	375	270	+0.81	5.15	4.00	12.0	556	535	4.0	79.00	3340	1227
265	5.00		280.0		16.2	16.0	5.0	383	273		5.15	4.00		563	528		78.50	3380	1210
267	5.00		280.0		16.2	16.0	5.0	383	275		5.15	4.00		566	524		78.00	3400	1201
268	5.00		285.0		16.2	16.0	5.0	388	276		5.15	4.00		570	522		77.50	3420	1196
270	5.00		285.0		16.2	16.0	5.0	388	278		5.15	4.00		573	518		77.00	3440	1188
272	5.00		285.0		16.2	16.0	5.0	388	280	+0.81	5.15	4.00	12.0	577	515	4.0	76.50	3465	1180
275	5.00		290.0		16.2	16.0	5.0	393	283		5.15	4.00		585	509		75.50	3510	1167
277	5.00		290.0		16.2	16.0	5.0	393	285		5.15	4.00		587	505		75.00	3525	1158
278	5.00		295.0		16.2	16.0	5.0	400	286		5.15	4.00		590	504		75.00	3540	1154
280	5.00		295.0		16.2	16.0	5.0	400	288		5.15	4.00		593	499		74.00	3560	1145
282	5.00		295.0		16.2	16.0	5.0	400	290	+0.81	5.15	4.00	12.0	599	497	4.0	74.00	3595	1138
285	5.00		300.0		16.2	16.0	5.0	408	293		5.15	4.00		605	491		73.00	3630	1124
287	5.00		300.0		16.2	16.0	5.0	408	295		5.15	4.00		610	487		72.00	3660	1117
288	5.00		305.0		16.2	16.0	5.0	415	296		5.15	4.00		611	485		72.00	3670	1111
290	5.00		305.0		16.2	16.0	5.0	415	298		5.15	4.00		615	482		71.50	3695	1104
292	5.00		305.0		16.2	16.0	5.0	415	300	+0.81	5.15	4.00	12.0	620	479	4.0	71.00	3720	1098
295	5.00		310.0		16.2	16.0	5.0	426	303		5.15	4.00		625	474		70.50	3755	1087
297	5.00		310.0		16.2	16.0	5.0	426	305		5.15	4.00		630	471		70.50	3780	1079
298	5.00		315.0		16.2	16.0	5.0	435	306		5.15	4.00		631	469		69.50	3790	1075
300	5.00		315.0		16.2	16.0	5.0	435	308		5.15	4.00		636	466		69.00	3820	1068




DIN 472



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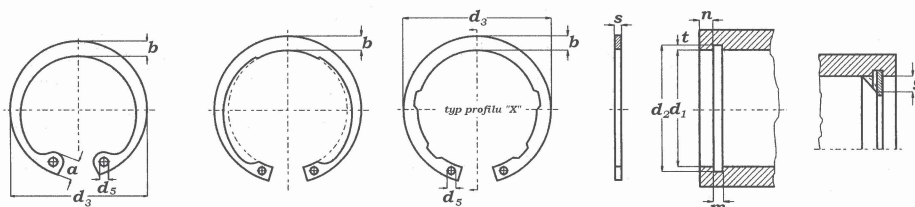
ul. Władysława Łokietka 167B/a, 31-263 Kraków, tel./fax: 012 415 15 01  
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# PIERŚCIEŃNIE OSADCZE DIN 472

d <sub>1</sub>	⊙									H				D A N E						
	sS	Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.		(kg/1000)	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN*mm)
305	6.00		322.0			20.0	6.0	755		315	+0.81	6.20	5.00	15.0	810	961	5.0	114.00	4860	2202
310	6.00		327.0			20.0	6.0	770		320		6.20	5.00		823	947		113.00	4940	2169
315	6.00		332.0			20.0	6.0	785		325		6.20	5.00		837	934		111.00	5027	2140
320	6.00		337.0			20.0	6.0	800		330		6.20	5.00		850	919		109.00	5100	2105
325	6.00		342.0			20.0	6.0	810		335		6.20	5.00		864	906		108.00	5184	2076
330	6.00		347.0			20.0	6.0	820		340		6.20	5.00	15.0	876	894	5.0	106.00	5260	2048
335	6.00		352.0			20.0	6.0	830		345		6.20	5.00		890	880		105.00	5341	2017
340	6.00		357.0	+2.00		20.0	6.0	840		350		6.20	5.00		903	869		104.00	5420	1991
345	6.00		362.0	-0.90		20.0	6.0	855		355		6.20	5.00		916	857		102.00	5498	1964
350	6.00		367.0			20.0	6.0	870		360	+0.89	6.20	5.00		929	846		101.00	5575	1938
355	6.00		372.0			20.0	6.0	880		365		6.20	5.00	15.0	942	834	5.0	99.00	5655	1910
360	6.00		377.0			20.0	6.0	890		370		6.20	5.00		955	823		98.00	5730	1886
365	6.00		382.0			20.0	6.0	906		375		6.20	5.00		968	813		97.00	5812	1862
370	6.00		387.0			20.0	6.0	920		380		6.20	5.00		981	803		95.00	5890	1839
375	6.00		392.0			20.0	6.0	932		385		6.20	5.00		994	793		94.00	5969	1817
380	6.00		397.0			20.0	6.0	940		390		6.20	5.00	15.0	1008	784	5.0	93.00	6050	1796
385	6.00		402.0			20.0	6.0	950		395		6.20	5.00		1021	774		92.00	6126	1774
390	6.00	-0.15	407.0			20.0	6.0	960		400		6.20	5.00		1033	764		91.00	6200	1751
395	6.00		412.0			20.0	6.0	972		405		6.20	5.00		1047	756		90.00	6283	1732
400	6.00		417.0			20.0	6.0	980		410		6.20	5.00		1060	746		89.00	6360	1710
410	7.00		430.0			26.0	6.0	1380		422		7.20	6.00	18.0	1307	1512	6.0	150.00	7842	3463
420	7.00		440.0	+2.00		26.0	6.0	1410		432		7.20	6.00		1338	1480		147.00	8030	3391
430	7.00		450.0	-1.00		26.0	6.0	1440		442		7.20	6.00		1369	1446		144.00	8219	3312
440	7.00		460.0			26.0	6.0	1470		452		7.20	6.00		1401	1418		141.00	8407	3248
450	7.00		470.0			26.0	6.0	1510		462		7.20	6.00		1431	1388		138.00	8590	3180
460	7.00		480.0			26.0	6.0	1550		472	+1.00	7.20	6.00	18.0	1464	1360	6.0	135.00	8784	3116
470	7.00		490.0			26.0	6.0	1595		482		7.20	6.00		1495	1330		132.00	8973	3048
480	7.00		500.0			26.0	6.0	1640		492		7.20	6.00		1526	1306		130.00	9161	2991
490	7.00		510.0			26.0	6.0	1685		502		7.20	6.00		1558	1280		127.00	9349	2931
500	7.00		520.0			26.0	6.0	1730		512		7.20	6.00		1588	1256		125.00	9530	2878
510	8.00		535.0	+3.00		26.0	6.0	2250		524		8.20	7.00	21.0	1894	1834	7.0	156.00	11369	4201
520	8.00		545.0	-1.50		26.0	6.0	2290		534		8.20	7.00		1931	1802		153.00	11589	4128
530	8.00		555.0			26.0	6.0	2335		544		8.20	7.00		1968	1768		150.00	11810	4049
540	8.00		565.0			26.0	6.0	2380		554		8.20	7.00		2004	1738		148.00	12029	3981
550	8.00		575.0			26.0	6.0	2430		564		8.20	7.00		2014	1711		145.00	12250	3919





DIN 472

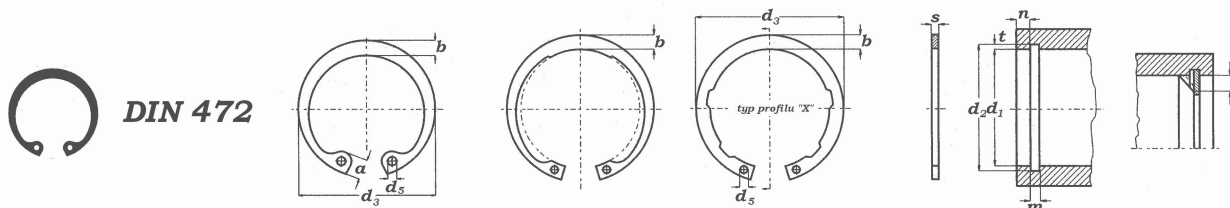


 **industrial - inox**

ul. Władysława Łokietka 167B/a, 31-263 Kraków, tel./fax: 012 415 15 01  
kom. 601 53 33 66, 504 25 99 11, e-mail: industrial@seger.com.pl www.seger.eu

# PIERŚCIENIE OSADCZE DIN 472

d <sub>1</sub>														D A N E															
	s	Δ	d <sub>3</sub>	Δ	a max.	b ≈	d <sub>5</sub> min.	(kg/1000)	d <sub>2</sub>	Δ	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN·mm)										
560	8.00	-0.15	585.0	+3.00 -1.50		26.0	6.0	2495	574		8.20	7.00	21.0	2078	1682	7.0	143	12469	3852										
570	8.00		595.0						26.0											6.0	2560	584	8.20	7.00	2114	1650	141	12689	3790
580	8.00		605.0						26.0											6.0	2625	594	8.20	7.00	2151	1627	138	12909	3728
590	8.00		615.0						26.0											6.0	2700	604	8.20	7.00	2188	1601	136	13129	3668
600	8.00		625.0						26.0											6.0	2770	614	8.20	7.00	2221	1571	134	13330	3598
650	9.00	-0.20	680.0	+4.00 -2.00		34.0	6.0	3600	666	+1.00	9.30	8.00	24.0	2753	2654	7.0	226	16520	6078										
700	9.00		730.0						34.0											6.0	4120	716	9.30	8.00	2966	2471	210	17800	5661
750	9.00		785.0						34.0											9.0	4540	768	9.30	9.00	3566	2310	196	21400	5285
800	9.00		835.0						34.0											9.0	5450	818	9.30	9.00	3800	2176	184	22800	4980
850	9.00		890.0						34.0											9.0	5990	870	9.30	10.00	4500	2045	173	27000	4680
900	9.00	940.00	34.0	9.0	6740	920	9.30	10.00	30.0	4766	1938	7.0	164	28600	4435														
950	9.00	1000.00														9.0	7930	972	9.30	11.00	33.0	5608	1840	156	33650	4210			
1000	9.00	1050.00														9.0	8880	1022	9.30	11.00	5825	1752	148	34950	4010				



DIN 472