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Seegerringe

Ausführung: Januar 2024

Mass- und Preislisten

Ausführung A und AS (schwer) (1.3)
Ausführung J (1.6)
Ausführung A/J INOX (rostfrei) (1.8)
Ausführung A/J Verzinkt (1.10)
Ausführung DIN 6799 (Inox) (1.11)
Ausführung AK/DIN 983 (1.12)
Seegerring-Set A/J (1.13)
Seegerring-Set A/J INOX / DIN 6799 (1.14)
Seegerring-Zangen Hazet/Gedore (1.15)
Sprengringe für NR-Lager, SP.. (1.17)
Seeger-Sprengringe WR../BR.. (1.18)
Starlock-Halteringe (1.20)

Wellen- durch- messer d1	Dicke s h 11	a ≈	b ≈	d2 ¹⁾	Zul. Abw. ±	d3	Zul. Abw. ±	d4 ge- spreizt	d5 H 13	m ²⁾ H 13	n Kleinst- mass
3	0.4	1.8	0.6	2.8		2.7		7	1.7	0.45	
4	0.4	1.8	0.7	3.8		3.7		8	1.7	0.5	
5	0.6	2.2	1.1	4.8		4.7	0.075	10		0.7	1
6	0.7	2.6	1.3	5.7		5.6		12	2.0	0.8	
7		2.8	1.3	6.7		6.5		14		0.9	
8	0.8	2.8	1.5	7.6		7.4	0.09	15	2.5		
9		3	1.7	8.6		8.4		16			
10		3	1.8	9.6		9.3	0.15	17	1.5		
11		3.1	1.9	10.5	h 11	10.2		18			
12		3.2		11.5		11		19		1.1	
13	1.0	3.3		12.4		11.9		20			
14		3.4		13.4		12.9	0.18	22	1.7		
15		3.5		14.3		13.8		23			
16		3.6		15.2		14.7		24			
17		3.7		16.2		15.7		25			
18		3.8		17		16.5		26			
19		3.8		18		17.5		27			
20		3.9	2.7	19		18.5		28			1.5
21		4		20		19.5		30			
22	1.2	4.1		21		20.5		31		1.3	
23		4.2		22		21.5		32			
24		4.2		22.9		22.2	0.21	33	2.0		
25		4.3	3.1	23.9		23.2		34			
26		4.4		24.9		24.2		35			
28		4.6		26.6		25.9		38			
29		4.7		27.6		26.9		39			
30		4.8	3.5	28.6		27.9		40			
32	1.5	5		30.3		29.6		43		1.6	
33		5.3		31.3		30.5		44			
34		5.3		32.3		31.5	0.25	45			
35		5.4	4	33		32.2		46			
36		5.4		34		33.2		47			
38		5.6		36		35.2		50			
40		5.8	4.5	37.5		36.5		53		1.85	
42		6.2		39.5		38.5		55			
45		6.3	4.8	42.5		41.5	0.39	58			
48		6.5		45.5	h 12	44.5		62			
50		6.7		47		45.8		64	2.5		2.0
52		6.8	5	49		47.8		66			
55		7		52		50.8		70		2.15	
56		7		53		51.8		71			
58		7.1		55		53.8		73			
60		7.2	5.5	57		55.8		75			
62		7.2		59		57.8		77			
63		7.3		60		58.8		78			
65		7.4		62		60.8	0.46	81			
68		7.8	6.4	65		63.5		84			
70		7.8		67		65.5		86			
72		7.9	7	69		67.5		88		2.65	2.5
75		7.9		72		70.5		92			
78		8.1		75		73.5		95			
80		8.2	7.4	76.5		74.5		97			
82		8.3		78.5		76.5		99			
85		8.4		81.5		79.5		103	3		
88		8.6	8	84.5		82.5		106			
90		8.7		86.5		84.5	0.54	108		3.15	3
95		9.1	8.6	91.5		89.5		114			
100		9.5	9	96.5		94.5		119			
105		9.8		101		98		125			
110		10	9.5	106		103		131			
115		10.5		111		108		137			
120		10.9	10.3	116		113		143			
125		11.3		121		118		148			
130		11.5		126		123		154			
135		11.5	11	131		128		159	3.5		
140		11.8		136		133		164			
145		11.8	11.6	141		138		170			
150		12.3		145		142		175			
155	4	12.7	12.2	150	h 13	146	0.63	181		4.15	4
160		12.9		155		151		186			
165		13.1		160		155.5		192			
170			12.9	165		160.5		197			
175				170		165.5		202			
180			13.5	175		170.5		208			
185				180		175.5		213	4		
190				185		180.5	0.72	219			
195			14	190		185.5		224			
200				195		190.5		229			

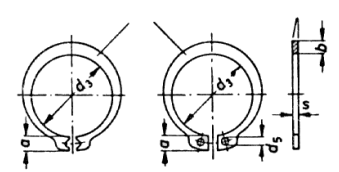
Sicherungsringe

für Wellen von 4 bis 200 mm Ø DIN 471

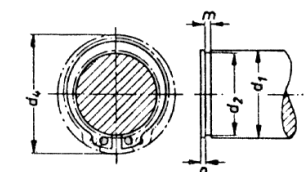
Sicherungsring
ungespannt

Maße in mm
scharfkantig

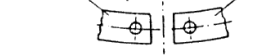
für d₁ = 4 bis 9 für d₁ = 10 bis 100



Anwendung



für d₁ = 170 bis 300

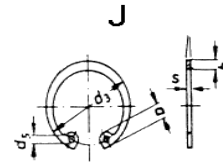


Bohrungs- durch- messer d1	Dicke s h 11	a ≈	b ≈	d2 ¹⁾	Zul. Abw. ±	d3	Zul. Abw. ±	d4 ge- spannt	d5 H 13	m ²⁾ H 13	n Kleinst- mass
9	0.8	2.3	1.35	9.4		9.7		3	1.1	0.9	1.2
10		3.1	1.6	10.4		10.8		3	1.2		
11		3.2		11.4		11.8		4			
12		3.3		12.5		13		5	1.5		
13		3.5		13.6		14.1		6			
14		3.6	2.0	14.6		15.1		7			
15		3.6		15.7		16.2		8			
16		3.7		16.8		17.3		8	1.7	1.1	
17		3.8		17.8		18.3		9			
18		4		19		19.5		10			
19		4		20		20.5		11			
20		4		21		21.5		12			
21		4.1	2.5	22		22.5		12			
22		4.1		23		23.5		13			
23		4.3		24.1		24.6		14			
24		4.3		25.2		25.9		15	2.0		
25		4.4		26.2		26.9		16			
26		4.6		27.2		27.9		16			
27		4.6	3.0	28.4		29.1		17		1.3	
28		4.6		29.4		30.1		18			
29		4.7		30.4		31.1		19			
30		4.7		31.4		32.1		20			
31		5.2		32.7		33.4		21			
32		5.2		33.7		34.4		21			
34		5.2	3.5	35.7		36.5		23			
35		5.2		37		37.8		24			
36		5.2		38		38.8		25		1.6	
37		5.2		39		39.8		26			
38		5.3		40		40.8		27			
40		5.7	4.0	42.5		43.5		28			
42		5.8		44.5		45.5		30			
45		5.9		47.5		48.5	0.39	33		1.85	
47		6.1	4.5	49.5		50.5		34			
48		6.2		50.5		51.5		35			
50		6.5		53		54.2		37			
52		6.5		55		56.2		39	2.5		
55		6.5	5.1	58		59.2		41			
56		6.6		59		60.2		42		2.15	
58		6.8		61		62.2		44			
60		6.8		63		64.2		46			
62		6.9	5.5	65		66.2		48			
63		6.9		66		67.2		49			
65		7		68		69.2		50			
68		7.4	6	71		72.5		53			
70		7.4		73		74.5		55			
72		7.4		75		76.5		57		2.65	
75		7.8	6.6	78		79.5		60			2.5
78		8		81		82.5		62			
80		8		83.5		85.5		64			
82		8	7	85.5		87.5		66			
85		8		88.5		90.5		69			
88		8.2	7.6	91.5		93.5		71			
90		8.3		93.5		95.5		73			
92		8.3	8.0	95.5		97.5		74		3.15	
95		8.5		98.5		100.5		77			3.0
98		8.7	8.3	101.5		103.5		80			
100		8.8		103.5		105.5		82	3.0		
102		9		106		108		83			
105		9.1		109		112		86			
108		9.5	8.9	112		115		87			
110		10.2		114		117		89			
112		10.2		116		119		90			
115		10.2	9.5	119		122		94			
120		10.7		124		127		98			
125		10.7	10	129		132		103			
130		10.7		134		137		108			
135		11		139		142		113			
140		11	10.8	144		147		118			
145		11		149		152		123	3.5	4.15	4
150		11.8	11.5	155		158		126			
155		11.8		160		164		130			
160		12.5		165		169		134			
165		12.7	12	170		174.5		139			
170				175		179.5		145			
175			12.5	180		184.5		149			
180			13	185		189.5		153			
185				190		194.5	0.72	157	4		
190			13.5	195		199.5		162			
195				200		204.5		167			
200			14	205		209.5		171			

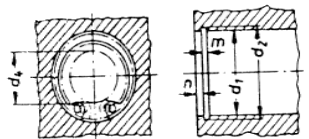
Sicherungsringe

für Bohrungen von 9 bis 200 mm Ø

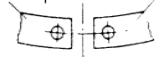
DIN 472

Sicherungsring
ungespanntMaße in mm
scharfkantig

Anwendung



für d1=170 bis 300



SEEGERRINGE A FÜR WELLEN (DIN 471)

Der Standard-Ring mit gleichmässigem radialen Krachtschluss.



Ø Welle x Dicke		1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 4 x 0,4		6.00	5.00	4.00	3.00	2.20	1.75
A 5 x 0,5		7.50	6.00	4.50	3.75	3.00	2.40
A 6 x 0,7		7.50	6.00	4.50	3.75	3.00	2.40
A 7 x 0,8		8.50	6.80	5.10	4.25	3.40	2.70
A 8 x 0,8		7.50	6.00	4.50	3.75	3.00	2.40
A 9 x 1,0		11.25	9.00	6.75	5.65	4.50	3.60
A 10 x 1,0		8.90	7.10	5.35	4.45	3.55	2.84
A 11 x 1,0		12.25	9.80	7.35	6.15	4.90	3.92
A 12 x 1,0		10.40	8.30	6.25	5.20	4.15	3.32
A 13 x 1,0		10.50	8.40	6.30	5.25	4.20	3.36
A 14 x 1,0		11.75	9.40	7.05	5.90	4.70	3.76
A 15 x 1,0		11.65	9.30	7.00	5.80	4.65	3.72
A 15 x 1,5	SCHWER	22.30	18.70	14.20	13.10	11.15	8.90
A 16 x 1,0		12.40	9.90	7.45	6.20	4.95	3.96
A 16 x 1,5	SCHWER	24.25	19.40	14.55	12.15	9.70	7.76
A 17 x 1,0		13.40	10.70	8.05	6.70	5.35	4.28
A 17 x 1,5	SCHWER	26.25	21.40	16.55	14.15	13.00	11.50
A 18 x 1,2		17.75	14.20	10.65	8.90	7.10	5.68
A 19 x 1,2		21.00	16.80	12.60	10.50	8.40	6.72
A 20 x 1,2		19.75	15.80	11.85	9.90	7.90	6.32
A 20 x 1,75	SCHWER	63.50	50.80	38.10	31.75	25.40	20.32
A 21 x 1,2		20.50	16.40	12.30	10.25	8.20	6.56
A 22 x 1,2		20.75	16.60	12.45	10.40	8.30	6.64
A 22 x 1,75	SCHWER	63.50	50.80	38.10	31.75	25.40	20.32
A 23 x 1,2		31.75	25.40	19.05	15.90	12.70	10.16
A 24 x 1,2		23.50	18.80	14.10	11.75	9.40	7.52
A 25 x 1,2		30.00	24.00	18.00	15.00	12.00	9.60
A 25 x 2,0	SCHWER	63.50	50.80	38.10	31.75	25.40	20.32
A 26 x 1,2		33.75	27.00	20.25	16.90	13.50	10.80
A 27 x 1,2		37.25	29.80	22.35	18.65	14.90	11.92
A 28 x 1,5		40.00	32.00	24.00	20.00	16.00	12.80
A 29 x 1,5		47.00	37.60	28.20	23.50	18.80	15.04
A 30 x 1,5		41.75	33.40	25.05	20.90	16.70	13.36
A 30 x 2,0	SCHWER	63.50	50.80	38.10	31.75	25.40	20.32
A 31 x 1,5		56.90	45.50	34.15	28.45	22.75	18.20
A 32 x 1,5		48.75	39.00	29.25	24.40	19.50	15.60
A 32 x 2,0	SCHWER	63.50	50.80	38.10	31.75	25.40	20.32
A 33 x 1,5		64.50	51.60	38.70	32.25	25.80	20.64
A 34 x 1,5		54.50	43.60	32.70	27.25	21.80	17.44
A 35 x 1,5		54.00	43.20	32.40	27.00	21.60	17.28
A 35 x 2,5	SCHWER	130.00	110.00	90.00	70.00	58.00	a.A.
A 36 x 1,75		72.25	57.80	43.35	36.15	28.90	23.12
A 36 x 2,5	SCHWER	130.00	110.00	90.00	70.00	58.00	a.A.
A 37 x 1,75		92.75	74.20	55.65	46.40	37.10	29.68
A 38 x 1,75		76.40	61.10	45.85	38.20	30.55	24.44
A 39 x 1,75		84.00	67.20	50.40	42.00	33.60	26.88
A 40 x 1,75		84.40	67.50	50.65	42.20	33.75	27.00
A 40 x 2,5	SCHWER	180.00	144.00	108.00	90.00	72.00	57.60
A 41 x 1,75		95.75	76.60	57.45	47.90	38.30	30.64

Ø Welle x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 42 x 1,75	95.75	76.60	57.45	47.90	38.30	30.64
A 42 x 2,5 SCHWER	180.00	144.00	108.00	90.00	72.00	a.A.
A 44 x 1,75	115.00	92.00	69.00	57.50	46.00	36.80
A 45 x 2,5 SCHWER	180.00	144.00	108.00	90.00	72.00	57.60
A 47 x 1,75	122.50	98.00	73.50	61.25	49.00	39.20
A 48 x 1,75	122.50	98.00	73.50	61.25	49.00	39.20
A 50 x 2,0	120.00	96.00	72.00	60.00	48.00	38.40
A 50 x 3,0 SCHWER	410.00	320.00	265.00	198.00	167.60	a.A.
A 52 x 2,0	147.50	118.00	88.50	73.75	59.00	47.20
A 54 x 2,0	137.50	110.00	91.20	76.80	64.00	53.00
A 55 x 2,0	137.50	110.00	82.50	68.75	55.00	44.00
A 57 x 2,0	182.50	146.00	109.50	91.25	73.00	58.40
A 58 x 2,0	182.50	146.00	109.50	91.25	73.00	58.40
A 60 x 2,0	152.50	122.00	91.50	76.25	61.00	48.80
A 60 x 3,0 SCHWER	660.00	590.00	320.00	225.00	180.00	a.A.
A 62 x 2,0	182.50	146.00	109.50	91.25	73.00	58.40
A 63 x 2,5	212.50	170.00	127.50	106.25	85.00	68.00
A 65 x 2,5	212.50	170.00	127.50	106.25	85.00	68.00
A 65 x 4,0 SCHWER	660.00	590.00	320.00	225.00	180.00	a.A.
A 67 x 2,5	270.00	216.00	162.00	135.00	108.00	86.40
A 68 x 2,5	260.00	208.00	156.00	130.00	104.00	83.20
A 70 x 2,5	230.00	184.00	138.00	115.00	92.00	73.60
A 70 x 4,0 SCHWER	817.50	654.00	490.50	408.75	327.00	261.60
A 72 x 2,5	300.00	240.00	180.00	150.00	120.00	96.00
A 75 x 2,5	267.50	214.00	160.50	133.75	107.00	85.60
A 75 x 4,0 SCHWER	817.50	654.00	490.50	408.75	327.00	261.60
A 78 x 2,5	380.00	304.00	228.00	190.00	152.00	121.60
A 80 x 2,5	322.50	258.00	193.50	161.25	129.00	103.20
A 82 x 2,5	320.00	256.00	192.00	160.00	128.00	102.40
A 85 x 3,0	367.50	294.00	220.50	183.75	147.00	117.60
A 88 x 3,0	462.50	370.00	277.50	231.25	185.00	148.00
A 90 x 3,0	392.50	314.00	235.50	196.25	157.00	125.60
A 95 x 3,0	430.00	344.00	258.00	215.00	172.00	137.60
A 100 x 3,0	465.00	372.00	279.00	232.50	186.00	148.80
A 105 x 4,0	876.00	766.00	657.00	547.50	438.00	350.40
A 110 x 4,0	800.00	700.00	600.00	500.00	400.00	320.00
A 115 x 4,0	968.00	847.00	726.00	605.00	484.00	387.20
A 120 x 4,0	858.00	750.75	643.50	536.25	429.00	343.20
A 125 x 4,0	1008.00	882.00	756.00	630.00	504.00	403.20
A 130 x 4,0	1092.00	955.50	819.00	682.50	546.00	436.80
A 135 x 4,0	1320.00	1155.00	990.00	825.00	660.00	528.00
A 140 x 4,0	1284.00	1123.50	963.00	802.50	642.00	513.60
A 145 x 4,0	1718.20	1503.42	1288.65	1073.87	859.10	687.28
A 150 x 4,0	1266.00	1107.75	949.50	791.25	633.00	506.40
A 160 x 4,0	1562.00	1366.75	1171.50	976.25	781.00	624.80
A 170 x 4,0	2290.00	2003.75	1717.50	1431.25	1145.00	916.00
A 175 x 4,0	2896.00	2534.00	2172.00	1810.00	1448.00	1158.40

Ø Welle x Dicke	<u>1 – 4</u> <u>Fr./%</u>	<u>5 – 19</u> <u>Fr./%</u>	<u>20 – 49</u> <u>Fr./%</u>	<u>50 – 99</u> <u>Fr./%</u>	<u>100 – 199</u> <u>Fr./%</u>	<u>ab 200</u> <u>Fr./%</u>
A 180 x 4,0	2406.00	2105.25	1804.50	1503.75	1203.00	962.40
A 190 x 4,0	2830.00	2475.25	2122.50	1768.75	1415.00	1132.00
A 200 x 4,0	2712.00	2373.00	2034.00	1695.00	1356.00	1084.80
A 210 x 5,0	2712.00	2373.00	2034.00	1695.00	1356.00	1084.80
A 220 x 5,0	3700.00	3200.00	2900.00	2500.00	2222.00	1777.00
A 230 x 5,0	3700.00	3200.00	2900.00	2500.00	2222.00	1777.00
A 240 x 5,0	3700.00	3200.00	2900.00	2500.00	2222.00	1777.00
A 250 x 5,0	3700.00	3200.00	2900.00	2500.00	2222.00	1777.00
A 255 x 5,0	3700.00	3200.00	2900.00	2500.00	2222.00	1777.00
A 260 x 5,0	6360.00	5565.00	3180.00	2544.00	2440.00	a.A.
A 290 x 5,0	7360.00	6565.00	5170.00	4820.00	4544.00	a.A.
A 320 x 6,0	a.A.	a.A.	a.A.	a.A.	a.A.	a.A.
A 340 x 6,0	a.A.	a.A.	a.A.	a.A.	a.A.	a.A.
A 380 x 6,0	a.A.	a.A.	a.A.	a.A.	a.A.	a.A.
A 420 x 7,0	a.A.	a.A.	a.A.	a.A.	a.A.	a.A.

SEEGERRINGE J FÜR BOHRUNG (DIN 472)

Der „Standard-Ring“, der sich unter Spannung rund verformt und gleichmässigen radialen Kraftschluss gewährleistet.



Ø Bohrung x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
J 8 x 0,8	13.40	11.10	8.35	6.95	5.55	4.44
J 9 x 0,8	15.65	12.50	9.40	7.80	6.25	5.00
J 10 x 1,0	7.65	6.10	4.60	3.82	3.05	2.44
J 11 x 1,0	11.50	9.20	6.90	5.75	4.60	3.68
J 12 x 1,0	12.75	10.20	7.65	6.40	5.10	4.08
J 13 x 1,0	12.75	10.20	7.65	6.40	5.10	4.08
J 14 x 1,0	12.75	10.20	7.65	6.40	5.10	4.08
J 15 x 1,0	8.75	7.00	5.25	4.40	3.50	2.80
J 16 x 1,0	13.25	10.60	7.95	6.65	5.30	4.24
J 17 x 1,0	14.25	11.40	8.55	7.15	5.70	4.56
J 18 x 1,0	15.00	12.00	9.00	7.50	6.00	4.80
J 19 x 1,0	18.25	14.60	10.95	9.15	7.30	6.84
J 20 x 1,0	14.90	11.90	8.95	7.45	5.95	4.76
J 21 x 1,0	14.50	11.60	8.70	7.25	5.80	4.64
J 22 x 1,0	14.25	11.40	8.55	7.15	5.70	4.56
J 23 x 1,2	21.00	16.80	12.60	10.50	8.40	6.72
J 24 x 1,2	21.65	17.30	13.00	10.80	8.65	6.92
J 25 x 1,2	20.25	16.20	12.15	10.15	8.10	6.48
J 26 x 1,2	22.00	17.60	13.20	11.00	8.80	7.04
J 27 x 1,2	24.15	19.30	14.50	12.05	9.65	7.72
J 28 x 1,2	27.25	21.80	16.35	13.65	10.90	8.72
J 29 x 1,2	29.00	23.20	17.40	14.50	11.60	9.28
J 28 x 1,5 SCHWER	61.00	49.40	37.80	32.90	26.20	20.50
J 30 x 1,2	29.00	23.20	17.40	14.50	11.60	9.28
J 30 x 1,5 SCHWER	58.00	46.40	34.80	29.90	23.20	18.50
J 31 x 1,2	29.75	23.80	17.85	14.90	11.90	9.52
J 32 x 1,2	29.75	23.80	17.85	14.90	11.90	9.52
J 33 x 1,2	39.25	31.40	23.55	19.65	15.70	12.56
J 34 x 1,5	42.50	34.00	25.50	21.25	17.00	13.60
J 35 x 1,5	40.25	32.20	24.15	20.15	16.10	12.88
J 36 x 1,5	46.25	37.00	27.75	23.15	18.50	14.80
J 37 x 1,5	52.50	42.00	31.50	26.25	21.00	16.80
J 38 x 1,5	53.25	42.60	31.95	26.65	21.30	17.04
J 39 x 1,75	72.50	58.00	43.50	36.25	29.00	23.20
J 40 x 1,75	70.00	56.00	42.00	35.00	28.00	22.40
J 41 x 1,75	100.00	80.00	60.00	50.00	40.00	32.00
J 42 x 1,75	77.50	62.00	46.50	38.75	31.00	24.80
J 44 x 1,75	100.00	80.00	60.00	50.00	40.00	32.00
J 45 x 1,75	80.00	64.00	48.00	40.00	32.00	25.60
J 46 x 1,75	100.00	80.00	60.00	50.00	40.00	32.00
J 47 x 1,75	85.00	68.00	51.00	42.50	34.00	27.20
J 48 x 1,75	87.50	70.00	52.50	43.75	35.00	28.00
J 50 x 2,0	92.50	74.00	55.50	46.25	37.00	29.60
J 51 x 2,0	125.00	100.00	75.00	62.50	50.00	40.00
J 52 x 2,0	97.50	78.00	58.50	48.75	39.00	31.20
J 54 x 2,0	132.50	106.00	79.50	66.25	53.00	42.40
J 55 x 2,0	107.50	86.00	64.50	53.75	43.00	34.40

Ø Bohrung x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
J 56 x 2,0	135.00	108.00	81.00	67.50	54.00	43.20
J 57 x 2,0	155.00	124.00	93.00	77.50	62.00	49.60
J 58 x 2,0	130.00	104.00	78.00	65.00	52.00	41.60
J 60 x 2,0	120.00	96.00	72.00	60.00	48.00	38.40
J 60 x 3,0 SCHWER	660.00	590.00	320.00	225.00	180.00	a.A.
J 62 x 2,0	87.50	70.00	52.50	43.75	35.00	28.00
J 63 x 2,0	162.50	130.00	97.50	81.25	65.00	52.00
J 65 x 2,5	187.50	150.00	112.50	93.75	75.00	60.00
J 68 x 2,5	177.50	142.00	106.50	88.75	71.00	56.80
J 70 x 2,5	202.50	162.00	121.50	101.25	81.00	64.80
J 72 x 2,5	120.00	96.00	72.00	60.00	48.00	38.40
J 75 x 2,5	125.00	100.00	75.00	62.50	50.00	40.00
J 78 x 2,5	287.50	230.00	172.50	143.75	115.00	92.00
J 80 x 2,5	210.00	168.00	126.00	105.00	84.00	67.20
J 82 x 2,5	250.00	200.00	150.00	125.00	100.00	80.00
J 85 x 3,0	307.50	246.00	184.50	153.75	123.00	98.40
J 85 x 4,0 SCHWER	1260.00	990.00	620.00	425.00	280.00	a.A.
J 88 x 3,0	317.50	254.00	190.50	158.75	127.00	a.A.
J 90 x 3,0	317.50	254.00	190.50	158.75	127.00	101.60
J 90 x 4,0 SCHWER	1260.00	990.00	620.00	425.00	280.00	a.A.
J 92 x 3,0	397.50	318.00	238.50	198.75	159.00	127.20
J 95 x 3,0	397.50	318.00	238.50	198.75	159.00	127.20
J 100 x 3,0	278.00	243.25	208.50	173.75	139.00	111.20
J 102 x 4,0	506.00	442.75	379.50	316.25	253.00	202.40
J 105 x 4,0	448.00	392.00	336.00	280.00	224.00	179.20
J 108 x 4,0	514.00	449.75	385.50	321.25	257.00	205.60
J 115 x 4,0	544.00	476.00	408.00	340.00	272.00	217.60
J 120 x 4,0	578.00	505.75	433.50	361.25	289.00	231.20
J 125 x 4,0	568.00	497.00	426.00	355.00	284.00	227.20
J 130 x 4,0	618.00	540.75	463.50	386.25	309.00	247.20
J 135 x 4,0	790.00	691.25	592.50	493.75	395.00	316.00
J 145 x 4,0	822.00	719.25	616.50	513.75	411.00	328.80
J 150 x 4,0	834.00	729.75	625.50	521.25	417.00	333.60
J 155 x 4,0	934.00	829.75	725.50	621.25	517.00	433.60
J 160 x 4,0	1070.00	936.25	802.50	668.75	535.00	428.00
J 165 x 4,0	1070.00	936.25	802.50	668.75	535.00	428.00
J 170 x 4,0	1238.00	1083.25	928.50	773.75	619.00	495.20
J 175 x 4,0	1238.00	1083.25	928.50	773.75	619.00	495.20
J 180 x 4,0	1402.00	1226.75	1051.50	876.25	701.00	560.80
J 185 x 4,0	1402.00	1226.75	1051.50	876.25	701.00	560.80
J 190 x 4,0	1630.00	1426.25	1222.50	1018.75	815.00	652.00
J 195 x 4,0	1720.00	1560.00	1340.00	1120.00	1010.00	808.00
J 200 x 4,0	1782.00	1559.25	1336.50	1113.75	891.00	712.80
J 210 x 5,0	3366.00	2945.25	2524.50	2103.75	1683.00	1346.40
J 215 x 5,0	3622.00	3169.25	2716.50	2263.75	1811.00	1448.80
J 220 x 5,0	3690.00	3228.75	2767.50	2306.25	1845.00	1476.00
J 225 x 5,0	3690.00	3228.75	2767.50	2306.25	1845.00	1476.00
J 230 x 5,0	3868.00	3384.50	2901.00	2417.50	1934.00	1547.20
J 240 x 5,0	4140.00	3573.20	3152.75	2683.50	2120.00	1597.90
J 245 x 5,0	3580.00	3150.00	2670.00	2140.00	1610.00	1580.00
J 260 x 5,0	4460.00	3920.00	3448.00	2965.00	2449.00	1960.00
J 270 x 5,0	5422.00	4744.25	4066.50	3388.75	2711.00	2168.80
J 280 x 5,0	4460.00	3920.00	3448.00	2965.00	2449.00	1960.00
J 290 x 5,0	5422.00	4744.00	4066.00	3388.00	2710.00	a.A.
J 340 x 6,0	7200.00	600.00	4900.00	4200.00	a.A.	a.A.
J 360 x 6,0	9100.00	7900.00	6100.00	5300.00	a.A.	a.A.
J 380 x 6.0	9600.00	8400.00	6600.00	5800.00	a.A.	a.A.

SEEGERRINGE A FÜR WELLEN – INOX

Grösse Ø x Dicke		1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 4 x 0,4	INOX	25.75	20.60	15.45	12.90	10.30	8.24
A 5 x 0,5	INOX	25.75	20.60	15.45	12.90	10.30	8.24
A 6 x 0,7	INOX	25.75	20.60	15.45	12.90	10.30	8.24
A 7 x 0,8	INOX	28.00	22.00	19.00	15.00	11.00	8.80
A 8 x 0,8	INOX	25.75	20.60	15.45	12.90	10.30	8.24
A 10 x 1,0	INOX	43.15	34.50	25.90	21.55	17.25	13.80
A 11 x 1,0	INOX	47.00	37.60	28.20	23.50	18.80	15.04
A 12 x 1,0	INOX	47.00	37.60	28.20	23.50	18.80	15.04
A 13 x 1,0	INOX	61.75	49.40	37.05	30.90	24.70	19.76
A 14 x 1,0	INOX	61.75	49.40	37.05	30.90	24.70	19.76
A 15 x 1,0	INOX	66.40	53.10	39.85	33.20	26.55	21.24
A 16 x 1,0	INOX	71.15	56.90	42.70	35.55	28.45	22.76
A 17 x 1,0	INOX	92.90	74.30	55.75	46.45	37.15	29.72
A 18 x 1,2	INOX	120.00	96.00	72.00	60.00	50.00	40.00
A 19 x 1,2	INOX	140.00	112.00	84.00	70.00	56.00	44.80
A 20 x 1,2	INOX	136.25	109.00	81.75	68.15	54.50	43.60
A 22 x 1,2	INOX	167.50	134.00	100.50	83.75	70.00	56.00
A 24 x 1,2	INOX	205.00	164.00	123.00	102.50	82.00	65.60
A 25 x 1,2	INOX	205.00	164.00	123.00	102.50	82.00	65.60
A 26 x 1,2	INOX	205.00	164.00	123.00	102.50	82.00	65.60
A 27 x 1,2	INOX	335.00	268.00	201.00	167.50	134.00	107.20
A 28 x 1,5	INOX	335.00	268.00	201.00	167.50	134.00	107.20
A 30 x 1,5	INOX	292.00	255.50	219.00	182.50	146.00	116.80
A 32 x 1,5	INOX	356.00	311.50	267.00	222.50	178.00	142.40
A 35 x 1,5	INOX	386.00	337.75	289.50	241.25	193.00	154.40
A 38 x 1,75	INOX	572.00	500.50	429.00	357.50	286.00	228.80
A 40 x 1,75	INOX	586.00	512.75	439.50	366.25	293.00	234.40
A 42 x 1,75	INOX	674.00	589.75	505.50	421.25	337.00	269.60
A 45 x 1,75	INOX	678.00	593.25	508.50	423.75	339.00	271.20
A 47 x 1,75	INOX	678.00	593.25	508.50	423.75	339.00	271.20
A 48 x 1,75	INOX	678.00	593.25	508.50	423.75	339.00	271.20
A 50 x 2,0	INOX	678.00	593.25	508.50	423.75	339.00	271.20
A 52 x 2,0	INOX	678.00	593.25	508.50	423.75	339.00	271.20
A 54 x 2,0	INOX	780.00	682.50	585.00	487.50	390.00	312.00
A 55 x 2,0	INOX	780.00	682.50	585.00	487.50	390.00	312.00
A 60 x 2,0	INOX	780.00	682.50	585.00	487.50	390.00	312.00
A 65 x 2,5	INOX	780.00	682.50	585.00	487.50	390.00	312.00
A 70 x 2,5	INOX	1080.00	957.00	910.00	870.00	696.00	609.00
A 75 x 2,5	INOX	1080.00	957.00	910.00	870.00	696.00	609.00
A 80 x 3,0	INOX	2420.00	1490.00	1210.00	1021.00	930.00	a.A.
A 90 x 3,0	INOX	2710.00	1680.00	1350.00	1190.00	1080.00	a.A.
A 100 x 3,0	INOX	2920.00	1830.00	1520.00	1390.00	1220.00	a.A.

SEEGERRINGE J FÜR BOHRUNG – INOX

Grösse Ø x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
J 10 x 1,0 INOX	58.25	46.60	34.95	29.15	23.30	18.64
J 12 x 1,0 INOX	75.00	60.00	45.00	37.50	30.00	24.00
J 14 x 1,0 INOX	80.00	64.00	48.00	40.00	32.00	25.60
J 15 x 1,0 INOX	80.00	64.00	48.00	40.00	32.00	25.60
J 16 x 1,0 INOX	80.00	64.00	48.00	40.00	32.00	25.60
J 17 x 1,0 INOX	87.50	70.00	52.50	43.75	35.00	28.00
J 18 x 1,0 INOX	87.50	70.00	52.50	43.75	35.00	28.00
J 19 x 1,0 INOX	102.50	82.00	61.50	51.25	41.00	32.80
J 20 x 1,0 INOX	110.00	88.00	66.00	55.00	44.00	35.20
J 22 x 1,0 INOX	117.50	94.00	70.50	58.75	47.00	37.60
J 24 x 1,2 INOX	195.00	156.00	117.00	97.50	78.00	62.40
J 25 x 1,2 INOX	197.50	158.00	118.50	98.75	79.00	63.20
J 26 x 1,2 INOX	202.50	162.00	121.50	101.25	81.00	64.80
J 28 x 1,2 INOX	217.50	174.00	130.50	108.75	87.00	69.60
J 27 x 1,2 INOX	217.50	174.00	130.50	108.75	87.00	69.60
J 30 x 1,2 INOX	220.00	176.00	132.00	110.00	88.00	70.40
J 31 x 1,5 INOX	377.50	302.00	226.50	188.75	151.00	120.80
J 32 x 1,2 INOX	222.50	178.00	133.50	111.25	89.00	71.20
J 33 x 1,2 INOX	377.50	302.00	226.50	188.75	151.00	120.80
J 34 x 1,5 INOX	377.50	302.00	226.50	188.75	151.00	120.80
J 35 x 1,5 INOX	377.50	302.00	226.50	188.75	151.00	120.80
J 36 x 1,5 INOX	377.50	302.00	226.50	188.75	151.00	120.80
J 38 x 1,5 INOX	425.00	340.00	255.00	212.50	170.00	136.00
J 40 x 1,75 INOX	412.00	360.50	309.00	257.50	206.00	164.80
J 42 x 1,75 INOX	486.00	425.25	364.50	303.75	243.00	194.40
J 45 x 1,75 INOX	486.00	425.25	364.50	303.75	243.00	194.40
J 46 x 1,75 INOX	a.A.	a.A.	a.A.	a.A.	a.A.	a.A.
J 47 x 1,75 INOX	604.00	528.50	453.00	377.50	302.00	241.60
J 48 x 1,75 INOX	604.00	528.50	453.00	377.50	302.00	241.60
J 50 x 2,0 INOX	768.00	497.00	426.00	355.00	284.00	227.20
J 52 x 2,0 INOX	768.00	497.00	426.00	355.00	284.00	227.20
J 55 x 2,0 INOX	586.00	512.75	439.50	366.25	293.00	234.40
J 60 x 2,0 INOX	710.00	621.25	532.50	443.75	355.00	284.00
J 62 x 2,0 INOX	720.00	630.00	540.00	450.00	360.00	288.00
J 65 x 2,5 INOX	1566.00	1370.25	1174.50	978.75	783.00	626.40
J 68 x 2,5 INOX	1292.00	1130.50	969.00	807.50	646.00	516.80
J 70 x 2,5 INOX	1566.00	1370.25	1174.50	978.75	783.00	626.40
J 72 x 2,5 INOX	1566.00	1370.25	1174.50	978.75	783.00	626.40
J 75 x 2,5 INOX	2424.00	2121.00	1818.00	1515.00	1212.00	969.60
J 80 x 2,5 INOX	2712.00	2373.00	2034.00	1695.00	1356.00	1084.80
J 85 x 3,0 INOX	2860.00	2502.50	2145.00	1787.50	1430.00	1144.00
J 90 x 3,0 INOX	3042.00	2661.75	2281.50	1901.25	1521.00	1216.80
J 95 x 3,0 INOX	3120.00	2710.00	2320.00	1970.00	1540.00	1260.00

Grösse Ø x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
J 100 x 3,0 INOX	3124.00	2733.50	2343.00	1952.50	1562.00	1249.60
J 110 x 4,0 INOX	3934.70	3540.90	3187.80	3025.00	2876.50	2591.60
J 115 x 4,0 INOX	3937.70	3540.90	3187.80	3025.00	2876.50	2591.60
J 120 x 4,0 INOX	3934.70	3540.90	3187.80	3025.00	2876.50	2591.60
J 125 x 4,0 INOX	3934.70	3540.90	3187.80	30.25	2876.50	2591.60
J 130 x 4,0 INOX	3577.00	3219.00	2898.00	2750.00	2615.00	2356.00

SEEGERRINGE A FÜR WELLEN – VERZINKT



Grösse Ø x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 15 x 1,0	17.25	13.80	10.35	8.65	6.90	5.52
A 17 x 1,0	38.00	31.60	24.10	19.80	16.40	12.50
A 25 x 1,2	44.00	35.20	26.40	22.00	17.60	14.08
A 27 x 1,2	47.50	38.00	28.50	23.75	19.00	15.20
A 35 x 1,5	72.50	58.00	43.50	36.25	29.00	23.20

SEEGERRINGE J FÜR BOHRUNG – VERZINKT



Grösse Ø x Dicke	1 – 4 Fr./%	5 – 19 Fr./%	20 – 49 Fr./%	50 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
J 35 x 1,5	57.50	46.00	34.50	28.75	23.00	18.40
J 52 x 2,0	132.50	106.00	79.50	66.25	53.00	42.40
J 54 x 2,0	210.00	168.00	126.00	105.00	86.95	69.55

SEEGERRINGE DIN 6799

Grösse Ø Einstich	1 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 1,2 DIN 6799	10.00	-.85	-.68
A 1,5 DIN 6799	10.00	-.85	-.68
A 1,9 DIN 6799	10.00	-.85	-.68
A 2,3 DIN 6799	10.00	1.40	1.12
A 3,2 DIN 6799	10.00	1.40	1.12
A 4,0 DIN 6799	10.00	1.45	1.16
A 5,0 DIN 6799	10.00	1.75	1.40
A 6,0 DIN 6799	10.00	1.75	1.40
A 7,0 DIN 6799	10.00	2.60	2.08
A 8,0 DIN 6799	10.00	3.50	2.80
A 9,0 DIN 6799	10.00	5.55	4.44
A 10,0 DIN 6799	15.00	5.25	4.20
A 12,0 DIN 6799	15.00	6.70	5.36
A 15,0 DIN 6799	30.00	11.70	9.36
A 19,0 DIN 6799	65.00	29.00	23.20

SEEGERRINGE DIN 6799 INOX

Grösse Ø Einstich	1 – 99 Fr./%	100 – 199 Fr./%	ab 200 Fr./%
A 1,2 DIN 6799 INOX	36.00	18.00	14.40
A 1,5 DIN 6799 INOX	36.00	18.00	14.40
A 1,9 DIN 6799 INOX	36.00	18.00	14.40
A 2,3 DIN 6799 INOX	36.00	18.00	14.40
A 3,2 DIN 6799 INOX	36.00	18.00	14.40
A 4,0 DIN 6799 INOX	36.00	18.00	14.40
A 5,0 DIN 6799 INOX	36.00	18.00	14.40
A 6,0 DIN 6799 INOX	18.10	9.05	7.24
A 7,0 DIN 6799 INOX	26.00	13.00	10.40
A 8,0 DIN 6799 INOX	36.00	18.00	14.40
A 9,0 DIN 6799 INOX	44.00	33.70	27.00
A 10,0 DIN 6799 INOX	44.00	33.70	27.00
A 12,0 DIN 6799 INOX	44.00	33.70	27.00
A 15,0 DIN 6799 INOX	111.00	88.00	73.50
A 19,0 DIN 6799 INOX	166.00	139.00	115.00

SEEGER (K) FÜR WELLEN DIN 983 ODER BOHRUNG DIN 984

K-Seeger-Ringe für Wellen und Bohrungen besitzen am Umfang gleichmässig verteilt mehrere Lappen. Die Kontur des eigentlichen Ringes entspricht der des Sicherungs-Ringes DIN 471/472. Die Lappenhöhe ist zur Wellenachse zentrisch begrenzt. Dies gilt ebenfalls für die Bohrung. Die AK-Ringe können besonders gut im überdeckten Einbau angewendet werden.

DIN 983 Sicherungringe mit Lappen für Wellen (AK)

DIN 984 Sicherungringe mit Lappen für Bohrungen (JK)

Anwendung: Festlegung von Maschinenteilen mit grossen Kantenabständen, Fasen oder Abrundungen oder zur Distanzierung von Rohren in Wärmetauschern.

Bestellbeispiel: A 20 DIN983 = Seegerring für Welle 20mm (passend in genormte Nut)

<u>Grösse</u>	<u>1 – 9</u>	<u>10 – 99</u>	<u>100 – 199</u>	<u>ab 200</u>
	<u>Fr./%</u>	<u>Fr./%</u>	<u>Fr./%</u>	<u>Fr./%</u>
AK 16 X 1,0	50.00	17.70	11.80	9.44
AK 17 X 1,0	50.00	17.25	11.50	9.20
AK 20 X 1,2	50.00	19.50	13.00	10.40
AK 22 X 1,2	50.00	24.25	16.15	12.92
AK 24 X 1,2	60.00	30.00	21.25	17.00
AK 25 X 1,2	60.00	31.90	18.15	14.52
AK 28 X 1,5	80.00	50.00	23.85	19.10
AK 30 X 1,5	80.00	41.70	27.80	22.24
AK 32 X 1,5	80.00	50.00	42.30	33.85
AK 35 X 1,5	80.00	52.50	35.00	28.00
AK 38 X 1,75	110.00	85.50	57.00	45.60
AK 40 X 1,75	110.00	82.50	55.00	44.00
AK 45 X 1,75	150.00	99.50	63.00	48.40
AK 50 X 2,0	160.00	109.50	73.00	58.40
AK 55 X 2,0	160.00	120.00	93.95	75.15
AK 60 X 2,0	260.00	195.00	130.00	104.00
AK 65 X 2,5	472.00	354.00	236.00	188.80
AK 70 X 2,5	472.00	354.00	236.00	188.80
AK 80 X 2,5	518.00	395.00	294.00	258.00
AK 85 X 3,0	518.00	388.50	259.00	207.20
JK 32 X 1,20	80.00	50.00	42.30	33.85
JK 40 X 1,75	110.00	82.50	55.00	44.00
JK 45 X 1,75	150.00	99.50	63.00	48.40
JK 47 X 1,75	150.00	99.50	63.00	48.40
JK 50 X 2,0	260.00	195.00	130.00	104.00
JK 55 X 2,0	160.00	109.50	73.00	58.40
JK 60 X 2,0	260.00	195.00	130.00	104.00
JK 65 X 2,0	472.00	354.00	236.00	188.80
JK 70 X 2,5	472.00	354.00	236.00	188.80
JK 72 X 2,5	472.00	354.00	236.00	188.80
JK 80 X 2,5	518.00	395.00	294.00	258.00



AK



JK

SEEGERRING – SET A – DIN 471

bestehend aus 18 verschiedenen Grössen von A 8 – A 40, für Wellen,
total 284 Stück.

Seegerringe aus Federstahl, phosphatiert und geölt.

Preis: Fr. 38.–

Seegerring-Set A					
A 8 25 Stück	A 10 25 Stück	A 12 25 Stück	A 14 25 Stück	A 15 25 Stück	A 16 25 Stück
A 17 20 Stück	A 18 20 Stück	A 20 20 Stück	A 22 10 Stück	A 24 10 Stück	A 25 10 Stück
A 28 10 Stück	A 30 10 Stück	A 32 6 Stück	A 35 6 Stück	A 38 6 Stück	A 40 6 Stück

Seeger – Set J – DIN 472

bestehend aus 18 verschiedenen Grössen J 10 – J 40, für Bohrung,
total 284 Stück.

Seegerringe aus Federstahl, phosphatiert und geölt.

Preis: Fr. 38.–

Seegerring-Set J					
J 10 25 Stück	J 12 25 Stück	J 14 25 Stück	J 15 25 Stück	J 16 25 Stück	J 18 25 Stück
J 19 20 Stück	J 20 20 Stück	J 22 20 Stück	J 24 10 Stück	J 25 10 Stück	J 26 10 Stück
J 28 10 Stück	J 30 10 Stück	J 32 6 Stück	J 35 6 Stück	J 38 6 Stück	J 40 6 Stück

SEEGERRING – SET DIN 6799

bestehend aus 14 verschiedenen Grössen von A 1,5 – A 19,0.
Für Wellen, total 410 Stück
Seegerringe aus Federstahl, phosphatiert und geölt.



Preis: Fr. 38.–netto

Seegerring-Set DIN 6799					
1,5 40 Stück	1,9 40 Stück	2,3 40 Stück	3,2 40 Stück	4,0 40 Stück	5,0 40 Stück
6,0 40 Stück	7,0 40 Stück	8,0 20 Stück	9,0 20 Stück	10,0 20 Stück	12,0 10 Stück
15,0 10 Stück	19,0 10 Stück				

SEEGERRING – SETS INOX

A INOX Fr. 97.– netto (Abmessungen wie Seite 1.13)

J INOX Fr. 97.– netto (Abmessungen wie Seite 1.13)

DIN 6799 INOX Fr. 97.– netto (Abmessung siehe oben)

Sicherungsringzangen HAZET

Sicheres und schnelles Arbeiten – Fester Halt der Sicherungsringe durch hochpräzise, konische, hinterschleifene Spitzen (phosphatiert) – Vollkunststoffkörper – Mit Rückstellfeder – Verdrehsicher, an massivem Stahlkern angeschweisste Spitzen



Für Aussensicherungen – Gerade Ausführung (Form A)

<u>Artikel Nr.</u>	<u>mm</u>	<u>Preis in Fr.</u>
1845 A- 3	3 - 10 mm	33.90
1845 A-10	10 - 25 mm	33.90
1845 A-19	19 - 60 mm	40.50

Für Aussensicherungen – Spitzen 90° abgewinkelt (Form B)

<u>Artikel Nr.</u>	<u>mm</u>	<u>Preis in Fr.</u>
1845 B- 3	3 - 10 mm	33.90
1845 B-10	10 - 25 mm	33.90
1845 B-19	19 - 60 mm	40.50



Für Innensicherungen – Gerade Ausführung (Form C)

<u>Artikel Nr.</u>	<u>mm</u>	<u>Preis in Fr.</u>
1845 C- 8	8 - 11 mm	33.90
1845 C-12	12 - 25 mm	33.90
1845 C-19	19 - 60 mm	40.50



Für Innensicherungen – Spitzen 90° abgewinkelt (Form D)

<u>Artikel Nr.</u>	<u>mm</u>	<u>Preis in Fr.</u>
1845 D-12	12 - 25 mm	33.90
1845 D-19	19 - 60 mm	40.50



8teiliger Satz kartonverpackt

Inhalt:

1845 A-10,	1845 A-19	1845 B-10,	1845 B-19
1845 C-8,	1845 C-19	1845 D-8,	1845 D-19

<u>Artikel Nr.</u>	<u>Preis in Fr.</u>
1845/8	296.90



Auf jede Sicherungsringzange erhalten Sie 20% Rabatt, exkl. MWST.

Sicherungsringzangen GEDORE

Aussen-Sicherungsringzangen, gerade

Artikel Nr.	mm	Preis Fr.
8000 A 0	3 - 10 mm	22.70
8000 A 1	10 - 25 mm	21.50
8000 A 2	19 - 60 mm	23.40
8000 A 3	40 - 100 mm	27.20
8000 A 4	85 - 140 mm	46.00
8000 A 5 *	122 - 300 mm	138.50



*Mit lösbarem Sperrmechanismus

Aussen-Sicherungsringzangen, gewinkelt

Artikel Nr.	mm	Preis Fr.
8000 A 01	3 - 10 mm	24.70
8000 A 11	10 - 25 mm	23.40
8000 A 21	19 - 60 mm	25.70
8000 A 31	40 - 100 mm	28.40
8000 A 41	85 - 165 mm	50.00
8000 A 51 *	122 - 300 mm	138.50
8000 A 61 *	252 - 400 mm	138.50



*Mit lösbarem Sperrmechanismus

Innen-Sicherungsringzangen, gerade

Artikel Nr.	mm	Preis Fr.
8000 J 0	8 - 13 mm	19.70
8000 J 1	10 - 25 mm	19.70
8000 J 2	19 - 60 mm	20.90
8000 J 3	40 - 100 mm	23.20
8000 J 4	85 - 140 mm	40.00
8000 J 5 *	122 - 300 mm	138.50
8000 J 6 *	252 - 400 mm	138.50



*Mit lösbarem Sperrmechanismus

Innen-Sicherungsringzangen, gewinkelt

Artikel Nr.	mm	Preis Fr.
8000 J 01	8 - 13 mm	21.70
8000 J 11	10 - 25 mm	22.00
8000 J 21	19 - 60 mm	22.50
8000 J 31	40 - 100 mm	25.00
8000 J 41	85 - 140 mm	42.70
8000 J 51 *	122 - 300 mm	138.50



*Mit lösbarem Sperrmechanismus

Auf jede Sicherungsringzange erhalten Sie 20% Rabatt, exkl. MWST.

Sprengringe für NR-Lager DIN 5417

<u>Artikel-Nr.</u>	<u>1 – 4</u> <u>Fr./%</u>	<u>5 – 19</u> <u>Fr./%</u>	<u>20 – 49</u> <u>Fr./%</u>	<u>50 – 99</u> <u>Fr./%</u>	<u>100 – 199</u> <u>Fr./%</u>	<u>ab 200</u> <u>Fr./%</u>
SP 30 x 1.12	84.00	67.00	50.00	33.00	16.80	13.45
SP 32 x 1.12	77.00	61.00	46.00	30.00	15.40	12.30
SP 35 x 1.12	256.00	198.00	154.00	108.00	54.00	43.20
SP 37 x 1.12	82.00	65.00	49.00	32.00	16.45	13.15
SP 40 x 1.12	85.00	68.00	51.00	34.00	17.05	13.65
SP 42 x 1.12	89.00	71.00	53.00	35.00	17.80	14.25
SP 47 x 1.12	108.00	86.00	64.00	43.00	21.65	17.30
SP 50 x 1.12	115.00	92.00	69.00	46.00	23.15	18.50
SP 52 x 1.12	256.00	198.00	154.00	108.00	54.00	43.20
SP 55 x 1.12	94.00	70.00	47.00	a.A.	a.A.	a.A.
SP 62 x 1.70	187.00	149.00	112.00	75.00	37.40	29.90
SP 65 x 1.70	269.00	215.00	161.00	107.00	53.85	43.10
SP 68 x 1.70	269.00	215.00	161.00	107.00	53.85	43.10
SP 72 x 1.70	260.00	208.00	156.00	104.00	52.15	41.70
SP 75 x 1.70	282.00	226.00	169.00	113.00	56.50	45.20
SP 80 x 1.70	346.00	238.65	183.00	141.20	117.65	102.30
SP 85 x 1.70	332.00	265.00	199.00	132.00	66.45	53.15
SP 90 x 2.46	362.00	290.00	217.00	145.00	72.55	58.05
SP 95 x 2.46	572.00	457.00	343.00	228.00	114.40	91.50
SP 100 x 2.46	485.00	388.00	291.00	194.00	97.00	77.60
SP 110 x 2.46	515.00	412.00	309.00	206.00	103.15	82.50
SP 115 x 2.46	681.00	544.00	408.00	272.00	191.20	a.A.
SP 120 x 2.82	1022.00	817.00	613.00	408.00	204.45	163.55
SP 125 x 2.82	1370.00	1096.00	822.00	548.00	274.05	219.25
SP 130 x 2.82	1214.00	971.00	728.00	485.00	242.90	194.30
SP 140 x 2.82	1298.00	1038.00	778.00	519.00	259.60	207.70
SP 150 x 2.82	1401.00	1121.00	840.00	560.00	280.25	224.20
SP 160 x 2.82	1453.00	1162.00	871.00	581.00	290.65	232.50
SP 170 x 3.10	3669.00	2935.00	2201.00	1467.00	733.80	587.05
SP 210 x 3.10	3469.00	2602.00	1734.00	867.00	a.A.	a.A.

Seeger-Sprengringe WR... / BR...

für Wellen und Bohrungen sind, mit Ausnahme der Runddrahtringe, die Sicherungselemente mit der kleinsten radialen Breite. Die Ablösedrehzahlen der Wellenringe WR sind bei den grösseren Abmessungen nur gering. Bei dem Einsatz der Sprengringe WR/BR für die Übertragung grösserer Axialkräfte ist von der Möglichkeit der Wahl tieferer Nuten Gebrauch zu machen.

**Anwendung**

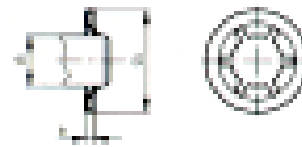
- Getriebebau
- Festlegung von Nadellagern, Nadelkäfige und Dichtungselemente
- Einsatz als Distanzelemente

WR-Sprengringe – für Wellen

<u>Artikel-Nr.</u>	<u>1 – 4</u> <u>Fr./%</u>	<u>5 – 19</u> <u>Fr./%</u>	<u>20 – 49</u> <u>Fr./%</u>	<u>50 – 99</u> <u>Fr./%</u>	<u>100 – 199</u> <u>Fr./%</u>	<u>ab 200</u> <u>Fr./%</u>
WR 4 x 0.5	30.00	25.00	17.00	11.00	8.50	a.A.
WR 5 x 0.5	30.00	25.00	17.00	11.00	8.50	a.A.
WR 6 x 0.7	30.00	25.00	17.00	11.00	8.50	a.A.
WR 8 x 1.0	30.00	25.00	17.00	11.00	8.50	a.A.
WR 9 x 1.0	30.00	25.00	17.00	11.00	8.50	a.A.
WR 10 x 1.0	35.00	28.00	19.00	13.00	9.70	a.A.
WR 12 x 1.0	35.00	28.00	19.00	13.00	9.70	a.A.
WR 17 x 1.2	41.00	32.00	24.00	16.00	8.20	6.55
WR 18 x 1.2	41.00	32.00	24.00	16.00	8.20	6.55
WR 20 x 1.2	41.00	32.00	24.00	16.00	8.20	6.55
WR 22 x 1.2	41.00	32.00	24.00	16.00	8.20	6.55
WR 25 x 1.2	41.00	32.00	24.00	16.00	8.20	6.55
WR 29 x 1.5	43.00	34.00	26.00	18.00	12.40	11.40
WR 30 x 1.5	69.00	55.00	41.00	27.00	13.85	11.10
WR 32 x 1.5	93.02	85.05	69.90	60.46	52.30	a.A.
WR 35 x 1.5	69.00	55.00	41.00	27.00	13.85	11.10
WR 38 x 1.5	103.00	82.00	61.00	41.00	20.60	16.50
WR 40 x 1.5	103.00	82.00	61.00	41.00	20.60	16.50
WR 45 x 1.5	103.00	82.00	61.00	41.00	20.60	16.50
WR 50 x 1.5	103.00	82.00	61.00	41.00	20.60	16.50
WR 55 x 1.5	103.00	82.00	61.00	41.00	20.60	16.50
WR 60 x 1.5	98.00	77.00	56.00	38.00	21.00	16.00
WR 65 x 1.5	128.00	98.00	78.00	58.00	42.00	30.50
WR 68 x 2.0	165.00	124.50	105.00	72.50	59.00	41.40
WR 70 x 2.0	162.00	121.50	101.00	67.50	54.00	37.40
WR 90 x 2.5	192.00	151.50	124.00	93.50	72.00	54.00
WR 100 x 2.5	215.00	171.50	154.00	115.50	99.00	72.00
WR 110 x 2.5	476.00	381.00	285.00	190.00	95.30	76.25
WR 105 x 2.5	476.00	381.00	285.00	190.00	95.30	76.25
WR 120 x 2.5	440.00	320.00	250.00	160.00	92.00	a.A.
WR 125 x 2.5	476.00	381.00	285.00	190.00	95.30	a.A.
WR 130 x 2.5	476.00	381.00	285.00	190.00	95.30	a.A.
WR 160 x 2.5	476.00	381.00	285.00	190.00	95.30	a.A.
WR 170 x 2.5	965.00	888.00	692.00	475.00	355.00	a.A.
WR 180 x 3.0	565.00	488.00	392.00	275.00	155.00	a.A.
WR 200 x 3.0	565.00	488.00	392.00	275.00	155.00	a.A.

BR-Sprengringe – für Bohrungen

<u>Artikel-Nr.</u>	<u>1 – 4</u> <u>Fr./%</u>	<u>5 – 19</u> <u>Fr./%</u>	<u>20 – 49</u> <u>Fr./%</u>	<u>50 – 99</u> <u>Fr./%</u>	<u>100 – 199</u> <u>Fr./%</u>	<u>ab 200</u> <u>Fr./%</u>
BR 11 x 1.0	49.00	39.00	29.00	19.00	9.95	7.95
BR 12 x 1.0	49.00	39.00	29.00	19.00	9.95	7.95
BR 15 x 1.0	24.00	19.00	17.80	15.25	12.00	10.50
BR 16 x 1.0	26.00	21.00	19.80	17.25	14.00	12.50
BR 18 x 1.2	49.00	39.00	29.00	19.00	9.95	7.95
BR 19 x 1.2	49.00	39.00	29.00	19.00	9.95	7.95
BR 20 x 1.2	24.00	19.00	17.50	15.00	12.50	10.50
BR 22 x 1.2	24.00	19.00	17.50	15.00	12.50	10.50
BR 24 x 1.2	50.00	40.00	30.00	20.00	10.05	8.05
BR 25 x 1.2	50.00	40.00	30.00	20.00	10.05	8.05
BR 26 x 1.2	35.00	28.00	21.00	14.00	a.A.	a.A.
BR 30 x 1.5	65.00	52.00	39.00	26.00	16.40	13.10
BR 32 x 1.5	65.00	52.00	39.00	26.00	13.05	10.45
BR 34 x 1.5	35.00	28.00	21.00	14.00	7.00	5.60
BR 35 x 1.5	65.00	52.00	39.00	26.00	16.40	13.10
BR 37 x 1.5	69.00	55.00	41.00	27.00	13.95	11.15
BR 38 x 1.5	69.00	55.00	41.00	27.00	13.95	11.15
BR 40 x 1.5	76.00	61.00	45.00	30.00	15.25	12.20
BR 42 x 1.5	76.00	61.00	45.00	30.00	15.25	12.20
BR 45 x 1.5	99.00	79.00	59.00	39.00	19.90	15.90
BR 47 x 1.5	95.00	76.00	57.00	38.00	19.00	15.20
BR 50 x 1.5	101.00	81.00	61.00	40.00	20.35	16.30
BR 52 x 1.5	98.00	79.00	59.00	39.00	19.75	15.80
BR 55 x 1.5	98.00	79.00	59.00	39.00	19.75	15.80
BR 58 x 1.5	98.00	79.00	59.00	39.00	19.75	15.80
BR 60 x 1.5	131.00	105.00	79.00	52.00	26.35	21.10
BR 62 x 1.5	136.00	109.00	81.00	54.00	39.00	a.A.
BR 68 x 1.5	136.00	109.00	81.00	54.00	27.25	21.80
BR 72 x 2.0	136.00	109.00	81.00	54.00	39.00	a.A.
BR 74 x 2.0	450.00	350.00	250.00	200.00	120.00	92.00
BR 76 x 2.0	214.00	171.00	128.00	85.00	42.80	34.25
BR 78 x 2.0	214.00	171.00	128.00	85.00	42.80	34.25
BR 82 x 2.0	256.00	205.00	153.00	102.00	51.35	41.10
BR 90 x 2.5	383.00	306.00	229.00	153.00	76.65	61.30
BR 95 x 2.5	400.00	350.00	270.00	180.00	95.65	71.30
BR 100 x 2.5	420.00	310.00	240.00	a.A.	a.A.	a.A.
BR 105 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 110 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 115 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 120 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 125 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 130 x 2.5	410.00	330.00	245.00	189.00	98.00	82.00
BR 135 x 2.5	510.00	430.00	345.00	290.00	a.A.	a.A.
BR 160 x 2.5	500.00	380.00	270.00	180.00	110.00	a.A.
BR 170 x 2.5	510.00	390.00	280.00	190.00	130.00	a.A.
BR 190 x 3.0	610.00	480.00	360.00	275.00	165.00	a.A.
BR 210 x 3.0	780.00	620.00	430.00	310.00	190.00	a.A.
BR 220 x 3.0	780.00	620.00	430.00	310.00	190.00	a.A.
BR 230 x 3.0	890.00	710.00	520.00	410.00	280.00	a.A.
BR 240 x 3.0	890.00	710.00	520.00	410.00	280.00	a.A.
BR 290 x 4.0	1'210.00	1'050.00	920.00	790.00	650.00	a.A.
BR 400 x 4.0	3'220.00	2'680.00	a.A.	a.A.	a.A.	a.A.

Starlock-Halteringe

Starlock-Halteringe aus Feder-Stahl ohne Kappe zur Sicherung auf zylindrische Wellen. Keine Rillnut erforderlich. Rasche Montage. Hohe Abstreiffestigkeit.

<u>Artikel-Nr.</u>	<u>Welle</u>	<u>1 - 4</u> <u>Fr./%</u>	<u>5 - 19</u> <u>Fr./%</u>	<u>20 - 49</u> <u>Fr./%</u>	<u>50-99</u> <u>Fr./%</u>	<u>ab 100</u> <u>Fr./%</u>
106730	3 mm	15.00	13.20	11.00	9.80	8.50
106732	4 mm	17.20	15.40	13.40	12.00	10.70
106733	5 mm	17.20	15.40	13.40	12.00	10.70
106734	6 mm	18.50	16.70	14.50	13.30	12.00
106736	7 mm	18.50	16.70	14.50	13.30	12.00
106737	8 mm	18.50	16.70	14.50	13.30	12.00
106738	9 mm	33.50	31.70	29.50	28.30	27.00
106740	10 mm	33.50	31.70	29.50	28.30	27.00
106741	11 mm	33.50	31.70	29.50	28.30	27.00
106742	12 mm	36.50	34.70	32.50	31.30	30.00
106747	16 mm	36.50	34.70	32.50	31.30	30.00