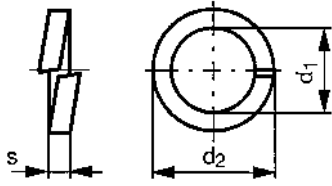
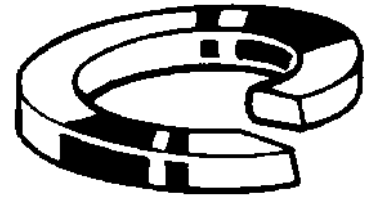


Spring lock washer with square ends



DIN 127 B
 NEN 1197 B
 NF E25-515
 BS 4464 B



Technical data

For nom.size	d ₁ (min.)	d ₂ (max.)	s
M2	2,1	4,4	0,5
M2,3 (#DIN)	2,4	4,9	0,6
M2,5	2,6	5,1	0,6
M2,6 (#DIN)	2,7	5,2	0,6
M3	3,1	6,2	0,8
M3,5	3,6	6,7	0,8
M4	4,1	7,6	0,9
M5	5,1	9,2	1,2
M6	6,1	11,8	1,6
1/4 (#DIN)	6,4	12,1	1,6
M7	7,1	12,8	1,6
M8	8,1	14,8	2
3/8 (#DIN)	9,7	17,6	2,2
M10	10,2	18,1	2,2
M11 (#DIN)	11,2	18,2	2,2
M12	12,2	21,1	2,5
1/2 (#DIN)	13	21,8	2,5
M14	14,2	24,1	3
M16	16,2	27,4	3,5
M18	18,2	29,4	3,5
M20	20,2	33,6	4
M22	22,5	35,9	4
M24	24,5	40	5
1.IN. (#DIN)	26,5	42,5	5
M27	27,5	43	5
M30	30,5	48,2	6
M33 (#DIN)	33,5	55,2	6
M36	36,5	58,2	6
M39	39,5	61,2	6
M42	42,5	68,2	7
M45	45,5	71,2	7
M48	49	75	7
M52	53	83	8
M56	57	87	8
M60	61	91	8
M64	65	95	8
M68	69	99	8
M72	73	103	8
M76 (#DIN)	77	107	8

- Spring washers acc. to DIN 127 B should be used in combination with fasteners of property class ≤ 5.8 , use under dynamic load is not allowed.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.
- Depending on availability these articles can be supplied zinc plated as well as mechanical plated.
- WARNING: electro-galvanizing of these products may cause hydrogen embrittlement

Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel DIN267-26		Standard	37000	7-39
Spring steel DIN267-26	FLZNNC-NC6	Standard	37024	7-39
Spring steel DIN267-26	Zipl	Standard	37020	7-39
Spring steel DIN267-26	Zipl	Large	37030	7-39
Spring steel DIN267-26	Zipl yell.p.	Standard	37060	7-40
Spring steel DIN267-26	Hot d.g.	Standard	37025	7-40
St.St. A2		Standard	51450	7-40
St.St. A4		Standard	55450	7-40

37000	Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	37000.030.001	1/2	150	37000.127.001	M39	10	37000.390.001
M3,5	250	37000.035.001	M14	100	37000.140.001	M42	10	37000.420.001
M4	250	37000.040.001	M16	100	37000.160.001	M45	10	37000.450.001
M5	250	37000.050.001	M18	100	37000.180.001	M48	10	37000.480.001
M6	250	37000.060.001	M20	100	37000.200.001	M52	10	37000.520.001
1/4	250	37000.063.001	M22	50	37000.220.001	M56	5	37000.560.001
M7	250	37000.070.001	M24	50	37000.240.001	M60	5	37000.600.001
M8	200	37000.080.001	1.IN.	50	37000.254.001	M64	5	37000.640.001
3/8	200	37000.096.001	M27	25	37000.270.001	M68	5	37000.680.001
M10	200	37000.100.001	M30	25	37000.300.001	M72	5	37000.720.001
M11	150	37000.110.001	M33	25	37000.330.001	M76	5	37000.760.001
M12	150	37000.120.001	M36	25	37000.360.001			

37024	Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26		
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M6	250	37024.060.001	M12	150	37024.120.001	M24	50	37024.240.001
M8	200	37024.080.001	M16	100	37024.160.001	M30	25	37024.300.001
M10	200	37024.100.001	M20	100	37024.200.001			

• Technical brochure available on request.

37020	Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26		
Surface treatment	Zinc plated		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	500	37020.020.001	M7	250	37020.070.001	M18	100	37020.180.001
M2,3	500	37020.023.001	M8	200	37020.080.001	M20	100	37020.200.001
M2,6	500	37020.026.001	3/8	200	37020.096.001	M22	50	37020.220.001
M3	250	37020.030.001	M10	200	37020.100.001	M24	50	37020.240.001
M3,5	250	37020.035.001	M11	150	37020.110.001	1.IN.	50	37020.254.001
M4	250	37020.040.001	M12	150	37020.120.001	M27	25	37020.270.001
M5	250	37020.050.001	1/2	150	37020.127.001	M30	25	37020.300.001
M6	250	37020.060.001	M14	100	37020.140.001	M33	25	37020.330.001
1/4	250	37020.063.001	M16	100	37020.160.001	M36	25	37020.360.001

37030	Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26		
Surface treatment	Zinc plated		
Packaging	Large		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	2500	37030.030.001	M8	2000	37030.080.001	M16	500	37030.160.001
M4	2500	37030.040.001	M10	1500	37030.100.001	M20	250	37030.200.001
M5	2500	37030.050.001	M12	1000	37030.120.001	M22	250	37030.220.001
M6	2000	37030.060.001	M14	500	37030.140.001	M24	250	37030.240.001

37060 Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	37060.030.001	M8	200	37060.080.001	M18	100	37060.180.001
M4	250	37060.040.001	M10	200	37060.100.001	M20	100	37060.200.001
M5	250	37060.050.001	M12	150	37060.120.001	M22	50	37060.220.001
M6	250	37060.060.001	M14	100	37060.140.001	M24	50	37060.240.001
M7	250	37060.070.001	M16	100	37060.160.001			

37025 Spring lock washer with square ends		L05A
Material	Spring steel DIN267-26	
Surface treatment	Hot dip galvanized	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M6	250	37025.060.001	M14	150	37025.140.001	M22	50	37025.220.001
M8	200	37025.080.001	M16	100	37025.160.001	M24	50	37025.240.001
M10	200	37025.100.001	M18	100	37025.180.001	M27	25	37025.270.001
M12	150	37025.120.001	M20	100	37025.200.001	M30	25	37025.300.001

51450 Spring lock washer with square ends		R07A
Material	Stainless steel A2	
Packaging	Standard	
	DIN ≈127 B	
	NEN ≈1197 B	
	NF ≈E25-515	
	BS ≈4464 B	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	200	51450.020.001	M7	500	51450.070.001	M20	200	51450.200.001
M2,3	200	51450.023.001	M8	500	51450.080.001	M22	100	51450.220.001
M2,5	200	51450.025.001	3/8	500	51450.096.001	M24	100	51450.240.001
M2,6	200	51450.026.001	M10	500	51450.100.001	1.IN.	100	51450.254.001
M3	500	51450.030.001	M11	500	51450.110.001	M27	50	51450.270.001
M3,5	500	51450.035.001	M12	500	51450.120.001	M30	50	51450.300.001
M4	500	51450.040.001	1/2	500	51450.127.001	M33	50	51450.330.001
M5	500	51450.050.001	M14	200	51450.140.001	M36	50	51450.360.001
M6	500	51450.060.001	M16	200	51450.160.001			
1/4	500	51450.063.001	M18	200	51450.180.001			

• Technical data is according to DIN with the exception of material type stainless steel.

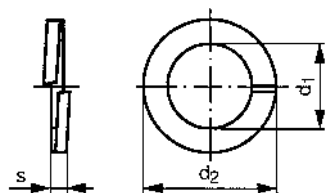
55450 Spring lock washer with square ends		R47A
Material	Stainless steel A4	
Packaging	Standard	
	DIN ≈127 B	
	NEN ≈1197 B	
	NF ≈E25-515	
	BS ≈4464 B	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	200	55450.020.001	3/8	500	55450.096.001	M22	100	55450.220.001
M2,5	200	55450.025.001	M10	500	55450.100.001	M24	100	55450.240.001
M3	500	55450.030.001	M12	500	55450.120.001	1.IN.	100	55450.254.001
M4	500	55450.040.001	1/2	500	55450.127.001	M27	50	55450.270.001
M5	500	55450.050.001	M14	200	55450.140.001	M30	50	55450.300.001
M6	500	55450.060.001	M16	200	55450.160.001	M33	50	55450.330.001
1/4	500	55450.063.001	M18	200	55450.180.001	M36	50	55450.360.001
M8	500	55450.080.001	M20	200	55450.200.001			

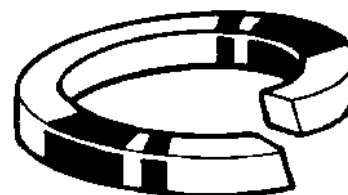
• Technical data is according to DIN with the exception of material type stainless steel.

7

Spring lock washer for screws with cylindrical heads



DIN 7980
BS 4464 A



Technical data

For nom.size	d ₁ (min.)	d ₂ (max.)	s
M3	3,1	5,6	1
M4	4,1	7	1,2
M5	5,1	8,8	1,6
M6	6,1	9,9	1,6
1/4 (#DIN)	6,5	11,2	2
M8	8,1	12,7	2
M10	10,2	16	2,5
M12	12,2	18	2,5
1/2 (#DIN)	13	20,2	3
M14	14,2	21,1	3
M16	16,2	24,4	3,5
M18	18,2	26,4	3,5
M20	20,2	30,6	4,5
M22	22,5	32,9	4,5
M24	24,5	35,9	5
1.IN.	25,9	38,4	5
M27	27,5	38,9	5
M30	30,5	44,1	6
M36	36,5	52,2	7

Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel DIN267-26		Standard	37200	7-41
Spring steel DIN267-26	Zipl	Standard	37220	7-42
St.St. A2		Standard	51390	7-42
St.St. A4		Standard	55390	7-42

37200 Spring lock washer for screws with cylindrical heads

L07D

Material Spring steel DIN267-26
Packaging Standard



For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	37200.030.001	M12	150	37200.120.001	M24	50	37200.240.001
M4	250	37200.040.001	1/2	150	37200.127.001	1.IN.	50	37200.254.001
M5	250	37200.050.001	M14	100	37200.140.001	M27	50	37200.270.001
M6	250	37200.060.001	M16	100	37200.160.001	M30	50	37200.300.001
1/4	250	37200.063.001	M18	250	37200.180.001	M36	50	37200.360.001
M8	200	37200.080.001	M20	100	37200.200.001			
M10	200	37200.100.001	M22	50	37200.220.001			

- Spring lock washers acc. to DIN 7980 should be used in combination with fasteners of property class < 8.8, use under dynamic load is not allowed.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.
- Depending on availability these articles can be supplied zinc plated as well as mechanical plated.
- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

37220 Spring lock washer for screws with cylindrical heads		L07D
Material	Spring steel DIN267-26	
Surface treatment	Zinc plated	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	37220.030.001	M10	200	37220.100.001	M22	50	37220.220.001
M4	250	37220.040.001	M12	150	37220.120.001	M24	50	37220.240.001
M5	250	37220.050.001	M14	100	37220.140.001	M27	50	37220.270.001
M6	250	37220.060.001	M16	100	37220.160.001	M30	50	37220.300.001
M8	200	37220.080.001	M20	100	37220.200.001			

- Spring lock washers acc. to DIN 7980 should be used in combination with fasteners of property class < 8.8, use under dynamic load is not allowed.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.
- Depending on availability these articles can be supplied zinc plated as well as mechanical plated.

51390 Spring lock washer for screws with cylindrical heads		R09A
Material	Stainless steel A2	
Packaging	Standard	
	DIN ≈7980 BS ≈4464 A	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	51390.030.001	M10	200	51390.100.001	M20	100	51390.200.001
M4	250	51390.040.001	M12	200	51390.120.001	M24	50	51390.240.001
M5	250	51390.050.001	M14	100	51390.140.001	M27	50	51390.270.001
M6	250	51390.060.001	M16	100	51390.160.001	M30	50	51390.300.001
M8	250	51390.080.001	M18	100	51390.180.001			

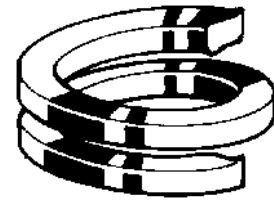
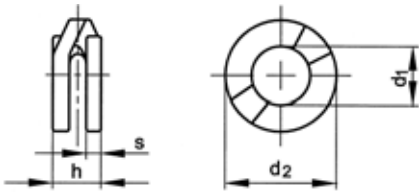
- Use under dynamic load is not allowed.
- For locking under dynamic load is referred to NORD-LOCK vibration proof washers and SCHNORR safety washers.
- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.

55390 Spring lock washer for screws with cylindrical heads		R49A
Material	Stainless steel A4	
Packaging	Standard	
	DIN ≈7980 BS ≈4464 A	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	55390.030.001	M10	200	55390.100.001	M20	100	55390.200.001
M4	250	55390.040.001	M12	200	55390.120.001	M24	50	55390.240.001
M5	250	55390.050.001	M14	100	55390.140.001	M27	50	55390.270.001
M6	250	55390.060.001	M16	100	55390.160.001	M30	50	55390.300.001
M8	250	55390.080.001	M18	100	55390.180.001			

- Use under dynamic load is not allowed.
- For locking under dynamic load is referred to NORD-LOCK vibration proof washers and SCHNORR safety washers.
- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.

Double coil spring lock washer



Technical data

For nom.size	d ₁	d ₂	s	h
M5	5,1	8,7	1,2	4,2
M6	6,1	11,1	1,6	5,6
M8	8,2	14,2	2	7
M10	10,2	17,2	2,2	7,7
M12	12,2	20,2	2,5	8,8
M16	16,2	26,2	3,5	12,3
M20	20,2	32,2	4	14
M22	22,5	34,5	4	14
M26	26,5	40,5	5	17,5

37240 Double coil spring lock washer

L07D

Material Spring steel
Packaging Standard

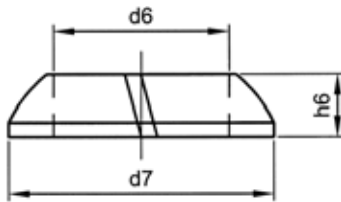


For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M5	100	37240.050.001	M10	100	37240.100.001	M20	50	37240.200.001
M6	100	37240.060.001	M12	100	37240.120.001	M22	25	37240.220.001
M8	100	37240.080.001	M16	50	37240.160.001	M26	25	37240.260.001

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

Conical spring washer

DIN 74361 C



Technical data

d	d_6	d_7	h_6
M12	12,5	23	5
M14	14,5	26	6
M16 (#DIN)	17,5	27	7
M18	18,5	29	7
M20	20,5	34	8
M22	22,5	34	8

72030 Conical spring washer

Y92E

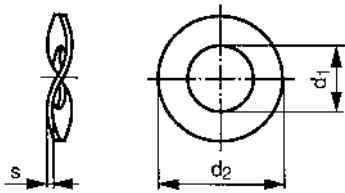
Material Spring steel DIN17221
Packaging Standard



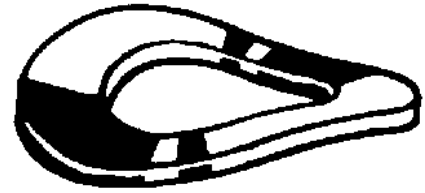
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M12	50	72030.120.001	M16	50	72030.160.001	M20	25	72030.200.001
M14	50	72030.140.001	M18	25	72030.180.001	M22	25	72030.220.001

- Usable for wheelbolts

Wave spring washer



DIN 137 B
 NEN 2457
 NF E27-620



Technical data

For nom.size	d ₁	d ₂	s
M3	3,2	8	0,5
M3,5	3,7	8	0,5
M4	4,3	9	0,5
M5	5,3	11	0,5
M6	6,4	12	0,5
M7	7,4	14	0,8
M8	8,4	15	0,8
M10	10,5	21	1
M12	13	24	1,2
M14	15	28	1,6
M16	17	30	1,6
M18	19	34	1,6
M20	21	36	1,6
M22	23	40	1,8
M24	25	44	1,8
M27	28	50	2

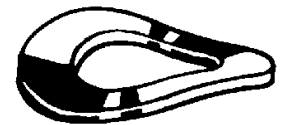
Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel DIN267-26		Standard	37160	7-45
Spring steel DIN267-26	Zipl yell.p.	Standard	37150	7-45
St.St. A2		Standard	51551	7-46

37160 Wave spring washer

L07D

Material Spring steel DIN267-26
Packaging Standard



7

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	1000	37160.030.001	M8	1000	37160.080.001	M20	100	37160.200.001
M4	1000	37160.040.001	M10	500	37160.100.001	M22	100	37160.220.001
M5	1000	37160.050.001	M12	500	37160.120.001	M24	100	37160.240.001
M6	1000	37160.060.001	M14	100	37160.140.001			
M7	1000	37160.070.001	M16	100	37160.160.001			

- Spring washers acc. to DIN 137 should be used in combination with fasteners of property class < 5.8, use under dynamic load is not allowed.
- They are intended to counteract the effect of "play or setting" which results in bolt/nut assemblies working loose (see DIN 267-26).
- They do not effectively prevent loosening of the assembly under varying radial load and are designed for use with short bolts predominantly subject to thrust.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.
- **Warning:** electro-galvanizing of these products may cause hydrogen embrittlement.

37150 Wave spring washer

L07D

Material Spring steel DIN267-26
Surface treatment Zinc plated yellow passivated
Packaging Standard



For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	1000	37150.030.001	M7	1000	37150.070.001	M14	100	37150.140.001
M4	1000	37150.040.001	M8	1000	37150.080.001	M16	100	37150.160.001
M5	1000	37150.050.001	M10	500	37150.100.001			
M6	1000	37150.060.001	M12	500	37150.120.001			

37150 Wave spring washer

For nom. size	Art.number	For nom. size	Art.number	For nom. size	Art.number
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- Spring washers acc. to DIN 137 should be used in combination with fasteners of property class < 5.8, use under dynamic load is not allowed.
- They are intended to counteract the effect of "play or setting" which results in bolt/nut assemblies working loose (see DIN 267-26).
- They do not effectively prevent loosening of the assembly under varying radial load and are designed for use with short bolts predominantly subject to thrust.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.
- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

51551 Wave spring washer
R09A

Material Stainless steel A2
Packaging Standard
DIN ≈137 B
NEN ≈2457
NF ≈E27-620

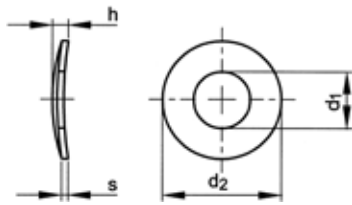


For nom. size	Art.number	For nom. size	Art.number	For nom. size	Art.number
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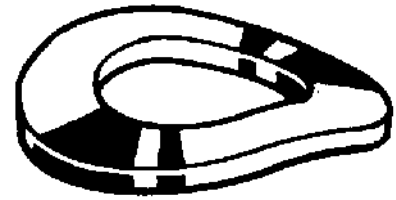
M3	200	51551.030.001	M8	200	51551.080.001	M20	50	51551.200.001
M3,5	1000	51551.035.001	M10	100	51551.100.001	M22 *	100	51551.220.001
M4	200	51551.040.001	M12	100	51551.120.001	M24	50	51551.240.001
M5	200	51551.050.001	M14 *	200	51551.140.001	M27 *	100	51551.270.001
M6	200	51551.060.001	M16	100	51551.160.001			
M7 *	500	51551.070.001	M18 *	200	51551.180.001			

- Use under dynamic load is not allowed.
- For locking under dynamic load is referred to NORD-LOCK vibration proof washers and SCHNORR safety washers.
- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.

Curved spring washer DIN 137A



DIN 137 A
NEN 2456



Technical data

For nom.size	d ₁	d ₂	s	h (max.)
M2	2,2	4,5	0,3	1
M2,3	2,5	5	0,3	1
M2,5 (#DIN)	2,6	5	0,3	1
M2,6	2,8	5,5	0,3	1,1
M3	3,2	6	0,4	1,3
M3,5	3,7	7	0,4	1,4
M4	4,3	8	0,5	1,6
M5	5,3	10	0,5	1,8
M6	6,4	11	0,5	2,2
M7	7,4	12	0,5	2,4
M8	8,4	15	0,5	3,4
M10	10,5	18	0,8	4

- Spring washers acc. to DIN 137 should be used in combination with fasteners of property class < 5.8, use under dynamic load is not allowed.
- They are intended to counteract the effect of "play or setting" which results in bolt/nut assemblies working loose (see DIN 267-26).
- They do not effectively prevent loosening of the assembly under varying radial load and are designed for use with short bolts predominantly subject to thrust.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers.

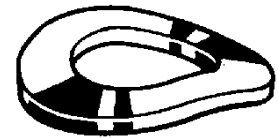
Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel DIN267-26		Standard	37120	7-47
Spring steel DIN267-26	Zipl yell.p.	Standard	37110	7-47

37120 Curved spring washer DIN 137A

L07D

Material Spring steel DIN267-26
Packaging Standard



7

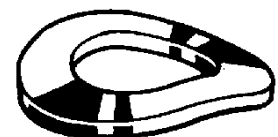
For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	500	37120.020.001	M3,5	500	37120.035.001	M7	500	37120.070.001
M2,3	500	37120.023.001	M4	500	37120.040.001	M8	500	37120.080.001
M2,6	500	37120.026.001	M5	500	37120.050.001	M10	200	37120.100.001
M3	500	37120.030.001	M6	500	37120.060.001			

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

37110 Curved spring washer DIN 137A

L07D

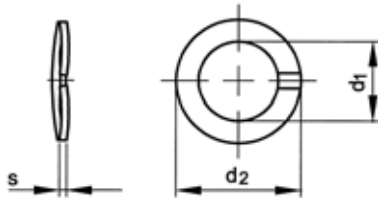
Material Spring steel DIN267-26
Surface treatment Zinc plated yellow passivated
Packaging Standard



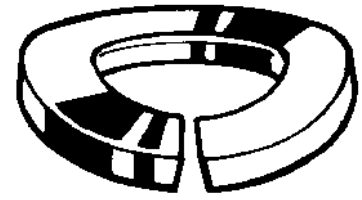
For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	500	37110.020.001	M4	500	37110.040.001	M7	500	37110.070.001
M2,5	500	37110.025.001	M5	500	37110.050.001	M8	500	37110.080.001
M3	500	37110.030.001	M6	500	37110.060.001	M10	200	37110.100.001

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

Curved spring lock washer DIN 128A



DIN 128 A
NEN 1570



Technical data

For nom.size	d ₁ (min.)	d ₂ (max.)	s
M2	2,1	4,4	0,5
M2,3 (#DIN)	2,4	4,9	0,6
M2,5	2,6	5,1	0,6
M2,6 (#DIN)	2,7	5,2	0,6
M3	3,1	6,2	0,7
M3,5	3,6	6,7	0,7
M4	4,1	7,6	0,8
M5	5,1	9,2	1
M6	6,1	11,8	1,3
1/4 (#DIN)	6,5	12,6	1,3
M7	7,1	12,7	1,3
M8	8,1	14,8	1,6
3/8 (#DIN)	9,7	17,6	1,8
M10	10,2	18,1	1,8
M11 (#DIN)	11,3	19,3	2,1
M12	12,2	21,1	2,1
1/2 (#DIN)	13	22,8	2,4
M14	14,2	24,1	2,4
M16	16,2	27,4	2,8
M18	18,2	29,4	2,8
M20	20,2	33,6	3,2
M22	22,5	35,9	3,2
M24	24,5	40	4
1.IN. (#DIN)	26,5	42,5	4
M27	27,5	43	4
M30	30,5	48,2	6
M33 (#DIN)	34	54,2	6
M36	36,5	58,2	6
M39 (#DIN)	39,5	59,2	6
M42 (#DIN)	42,5	68,2	7
M45 (#DIN)	46,7	70,5	7
M48 (#DIN)	49	75	7

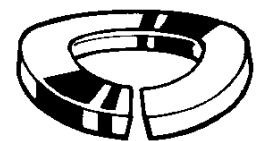
Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel DIN267-26	Mech.zipl.	Standard	37080	7-48
Spring steel DIN267-26	Zipl yell.p.	Standard	37092	7-49
St.St. A2		Standard	51520	7-49
St.St. A4		Standard	55520	7-49
Phosphor bronze Cu4		Standard	50500	7-50

37080 Curved spring lock washer DIN 128A

L07D

Material	Spring steel DIN267-26
Surface treatment	Mechanical zinc plated
Packaging	Standard



For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	500	37080.020.001	M7	250	37080.070.001	M18	100	37080.180.001
M2,5	500	37080.025.001	M8	200	37080.080.001	M20	100	37080.200.001
M2,6	500	37080.026.001	3/8	200	37080.096.001	M22	50	37080.220.001
M3	250	37080.030.001	M10	200	37080.100.001	M24	50	37080.240.001
M3,5	250	37080.035.001	M11	150	37080.110.001	1.IN.	50	37080.254.001
M4	250	37080.040.001	M12	150	37080.120.001	M27	25	37080.270.001
M5	250	37080.050.001	1/2	150	37080.127.001	M30	25	37080.300.001
M6	250	37080.060.001	M14	100	37080.140.001	M33	25	37080.330.001
1/4	250	37080.063.001	M16	100	37080.160.001	M36	25	37080.360.001

37080 Curved spring lock washer DIN 128A ←

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M39	10	37080.390.001	M45	10	37080.450.001			
M42	10	37080.420.001	M48	10	37080.480.001			

- Curved spring lock washers acc. to DIN 128 A are improved compared to spring lock washers acc. to DIN 127 A and due to the curved form have moreover the advantages: do not damage surfaces of the construction, nut or bolt; also to use with left hand thread; do not disform during tightening and dis-assembly, thus re-useable; do not tangle, so suitable for automatic feeding and should be used in combination with fasteners of property class < 8.8, use under dynamic load is not allowed.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers, see elsewhere in this section.

37092 Curved spring lock washer DIN 128A L07D

Material	Spring steel DIN267-26	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M4	250	37092.040.001	M8	200	37092.080.001	M14	100	37092.140.001
M5	250	37092.050.001	M10	200	37092.100.001			
M6	250	37092.060.001	M12	150	37092.120.001			

- Curved spring lock washers acc. to DIN 128 A are improved compared to spring lock washers acc. to DIN 127 A and due to the curved form have moreover the advantages: do not damage surfaces of the construction, nut or bolt; also to use with left hand thread; do not disform during tightening and dis-assembly, thus re-useable; do not tangle, so suitable for automatic feeding and should be used in combination with fasteners of property class < 8.8, use under dynamic load is not allowed.
- For locking under dynamic load is referred to locking edge washers, SCHNORR safety washers and NORD-LOCK vibration proof washers, see elsewhere in this section.

51520 Curved spring lock washer DIN 128A R09A

Material	Stainless steel A2	
Packaging	Standard DIN ≈128 A NEN ≈1570	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2	100	51520.020.001	M6	250	51520.060.001	M20	100	51520.200.001
M2,5	100	51520.025.001	M8	200	51520.080.001	M22	50	51520.220.001
M2,6	100	51520.026.001	M10	200	51520.100.001	M24	50	51520.240.001
M3	250	51520.030.001	M12	150	51520.120.001	M30	25	51520.300.001
M3,5	250	51520.035.001	M14	100	51520.140.001	M36	25	51520.360.001
M4	250	51520.040.001	M16	100	51520.160.001			
M5	250	51520.050.001	M18	100	51520.180.001			

- The measurements deviate slightly from DIN 128 A, these spring lock washers have a deviating "reinforced" thickness resulting in considerably improved spring characteristics.
- Curved spring lock washers acc. to DIN 128 A are improved compared to spring lock washers acc. to DIN 127 A and due to the curved form have moreover the advantages: do not damage surfaces of the construction, nut or bolt; also to use with left hand thread; do not disform during tightening and dis-assembly, thus re-useable; do not tangle, so suitable for automatic feeding. Use under dynamic load is not allowed.
- For locking under dynamic load is referred to NORD-LOCK vibration proof washers and SCHNORR safety washers.
- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.

55520 Curved spring lock washer DIN 128A R49A

Material	Stainless steel A4	
Packaging	Standard DIN ≈128 A NEN ≈1570	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	250	55520.030.001	M8	200	55520.080.001	M20	100	55520.200.001
M4	250	55520.040.001	M10	200	55520.100.001	M24 *	100	55520.240.001
M5	250	55520.050.001	M12	150	55520.120.001			
M6	250	55520.060.001	M16	100	55520.160.001			

- The measurements deviate slightly from DIN 128 A, these spring lock washers have a deviating "reinforced" thickness resulting in considerably improved spring characteristics.
- Curved spring lock washers acc. to DIN 128 A are improved compared to spring lock washers acc. to DIN 127 A and due to the curved form have moreover the advantages: do not damage surfaces of the construction, nut or bolt; also to use with left hand thread; do not disform during tightening and dis-assembly, thus re-useable; do not tangle, so suitable for automatic feeding.
- Use under dynamic load is not allowed. For locking under dynamic load is referred to NORD-LOCK vibration proof washers and SCHNORR safety washers.

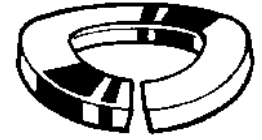
55520 Curved spring lock washer DIN 128A ←

For nom. size	✉	Art.number	For nom. size	✉	Art.number	For nom. size	✉	Art.number
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- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.

50500 Curved spring lock washer DIN 128A M11F

Material Phosphor bronze Cu4
Packaging Standard
DIN ≈128 A
NEN ≈1570

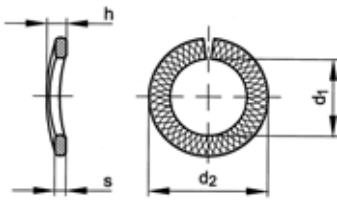


For nom. size	✉	Art.number	For nom. size	✉	Art.number	For nom. size	✉	Art.number
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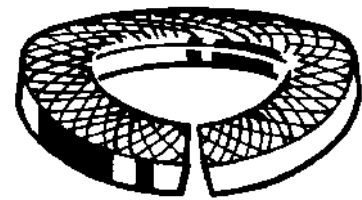
M2,6	500	50500.026.001	M6	250	50500.060.001	M16	100	50500.160.001
M3	250	50500.030.001	M8	200	50500.080.001	M18	100	50500.180.001
M4	250	50500.040.001	M10	200	50500.100.001	M20	100	50500.200.001
M5	250	50500.050.001	M12	150	50500.120.001			

- The measurements deviate slightly from DIN 128 A, these spring lock washers have a deviating "reinforced" thickness resulting in considerably improved spring characteristics.

Locking edge washer ≈ DIN 128A



DIN ≈128 A
NEN ≈1570

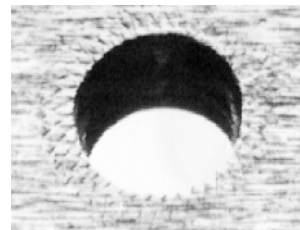
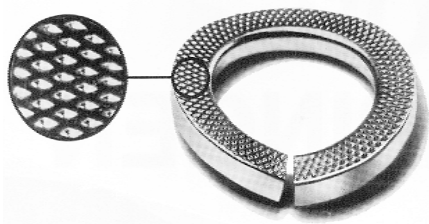


Technical data

For nom.size	d ₁	d ₂ (max.)	s
M4	4,1	7,6	0,8
M5	5,1	9,2	1
M6	6,1	11,8	1,3
M8	8,1	14,9	1,6
M10	10,2	18,1	1,8
M12	12,2	21,1	2,1
M14	14,2	24,1	2,4
M16	16,2	27,4	2,8
M18	18,2	29,4	2,8
M20	20,2	33,6	3,2
M22	22,5	35,9	3,2
M24	24,5	40	4
M27	27,5	43	4
M30	30,5	48,2	6

Special features of FABORY locking edge washers:

- applicable with hexagon head bolts, hexagon nuts, etc. of property class ≤ 8.8
- the profile surface (patented) ensures good locking against loosening properties and reduces loss of assembly pre-load
- compensation against play or setting of the joint by a long spring deflection
- little damage, so also usable with softer materials and surface coatings
- re-usable
- suited for automatic installation
- insensitive for temperature from -10°C up to +300°C
- sizes and other properties according to DIN 128 A
- simple application together with current standard fasteners
- also applicable for hexagon head bolts, hexagon nuts etc. with left-hand thread

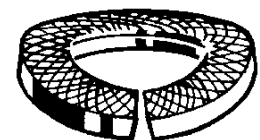


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37070 Locking edge washer

L07D

Material Spring steel DIN267-26
Surface treatment Mechanical zinc plated yellow passivated
Packaging Standard



For nom. size	✉	Art.number	For nom. size	✉	Art.number	For nom. size	✉	Art.number
M4	250	37070.040.001	M12	150	37070.120.001	M22	50	37070.220.001
M5	250	37070.050.001	M14	100	37070.140.001	M24	50	37070.240.001
M6	250	37070.060.001	M16	100	37070.160.001	M27	25	37070.270.001
M8	200	37070.080.001	M18	100	37070.180.001	M30	25	37070.300.001
M10	200	37070.100.001	M20	100	37070.200.001			