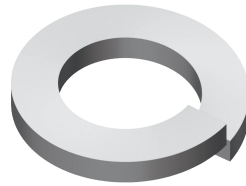


DIN 127

Spring Lock Washer



Standard	DIN 127		
Product Type	Spring Lock Washer		
Material	Stainless Steel, Alloy Steel		
Surface Finish	Passivated, Plain, Zinc Plated, Dacromet, Blackened		
Size Range	M2 - M100	Thread	ISO metric coarse pitch

BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

Dimensions to	DIN 127:1987-10
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DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d	d1	d2	s	Approx. Mass	d	d1	d2	s	Approx. Mass
Diameter - mm	Inner Diameter - mm	Outer Diameter - mm	Material Thickness - mm		Diameter - mm	Inner Diameter - mm	Outer Diameter - mm	Material Thickness - mm	
M3	3.1	6.2	0.8	0.11	M12	12.2	21.1	2.5	3.82
M4	4.1	7.6	0.9	0.18	M16	16.2	27.4	3.5	8.91
M5	5.1	9.2	1.2	0.36	M20	20.2	33.6	4	15.2
M6	6.1	11.8	1.6	0.83	M24	24.5	40	5	26.2
M8	8.1	14.8	2	1.6	M30	30.5	48.2	6	44.3
M10	10.2	18.1	2.2	2.53	M36	36.5	58.2	6	67.3

FURTHER SIZES IN THIS STANDARD

ALL DIMENSIONS PER THE STANDARD

Not held in stock. Available to order; minimum order quantity applies.

d	d1	d2	s	Approx. Mass	d	d1	d2	s	Approx. Mass
Diameter - mm	Inner Diameter - mm	Outer Diameter - mm	Material Thickness - mm		Diameter - mm	Inner Diameter - mm	Outer Diameter - mm	Material Thickness - mm	
M2	2.1	4.4	0.5	0.033	M45	45.5	71.2	7	117
M2.2	2.3	4.8	0.6	0.05	M48	49	75	7	123
M2.5	2.6	5.1	0.6	0.053	M52	53	83	8	182
M3.5	3.6	6.7	0.8	0.12	M56	57	87	8	193
M7	7.1	12.8	1.6	0.93	M60	61	91	8	203
M14	14.2	24.1	3	6.01	M64	65	95	8	218
M18	18.2	29.4	3.5	9.73	M68	69	99	8	228
M22	22.5	35.9	4	16.5	M72	73	103	8	240
M27	27.5	43	5	28.7	M80	81	111	8	262
M39	39.5	61.2	6	71.7	M90	91	121	8	290
M42	42.5	68.2	7	111	M100	101	131	8	318

TECHNICAL SPECIFICATIONS

Surface Finish	Passivated, Plain, Zinc Plated, Dacromet, Blackened
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MARKING

Steel — Required

What	The material symbol FSt (spring steel to DIN 267 Part 26) is written into the designation, not stamped as a head mark. The designation is Spring lock washer DIN 127 - A 8 - FSt, with LH added for left-hand thread bolts. Footnote 1 makes FSt the default where existing documentation names no material.
Where	In the designation; these washers carry no head marking
Sizes	All sizes
Clause	DIN 127:1987-10, Clause 3 Technical delivery conditions and Clause 4 Designation

Clause 3 of DIN 127:1987-10 is two lines long: DIN 267 Part 26 applies to the technical delivery conditions, and the material is FSt, spring steel to DIN 267 Part 26.

Clause 4 designation: Spring lock washer DIN 127 - A 8 - FSt. For washers used with left-hand thread bolts the symbol LH is inserted: Spring lock washer DIN 127 - A 8 - LH - FSt.

Two application limits belong on any quotation for this washer. The Scope states it is designed for bolt and nut assemblies of property class 5.8 or less, and the Explanatory notes state that DIN 128 is the one to use for fasteners below class 8.8.

The Scope also states these washers do not effectively prevent loosening under varying radial load, and are designed for short bolts predominantly subject to thrust.

The cover page recommends DIN 128 instead of this standard, which was to be withdrawn by 1 January 1992.

Confirm the ordered property class before production.

INSPECTION DOCUMENTS WE CAN ISSUE

EN 10204 3.1 material certificate	Can be included when agreed in the order.
Dimensional inspection report	Can be provided for the agreed inspection scope.
Certificate of conformity	Can be issued against the confirmed order requirements.
Mechanical test report	Available when the required tests are agreed before production.
Chemical analysis report	Available when the material verification scope is agreed.
Coating inspection report	Can record the coating checks agreed for the order.

REFERENCES & NOTES

Note: DIN 127 is a withdrawn legacy standard. No current counterpart is recorded for this product. Confirm the dimensions that matter to your assembly before substituting another standard.