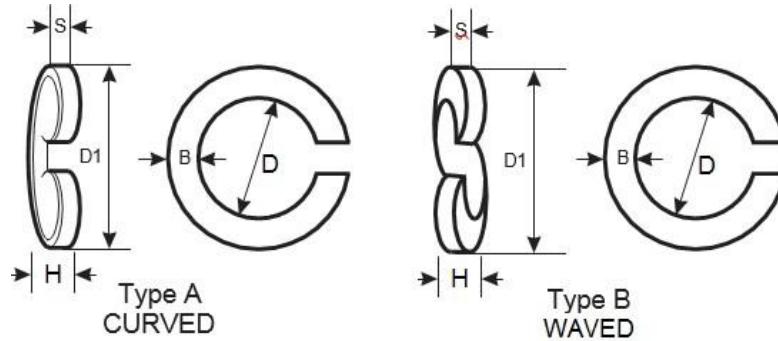




## Product Dimensions and Weights

## DIN 128 Specifications

### Metric DIN 128 Curved & Waved Spring Lock Washers



Dimensions of single turn of the spring lock washers DIN 128, Curved Type A

Bolt Dia	D min.	D max.	D1	B	S	H min.	H max.	Weight kg/1000pcs
M2	2.1	2.4	4.4	$0.9 \pm 0.1$	$0.5 \pm 0.1$	0.70	0.90	0.04
M2.5	2.6	2.9	5.1	$1 \pm 0.1$	$0.6 \pm 0.1$	0.90	1.10	0.06
M3	3.1	3.4	6.2	$1.3 \pm 0.1$	$0.7 \pm 0.1$	1.10	1.30	0.09
M3.5	3.6	3.9	6.7	$1.3 \pm 0.1$	$0.7 \pm 0.1$	1.10	1.30	0.10
M4	4.1	4.4	7.6	$1.5 \pm 0.1$	$0.8 \pm 0.1$	1.20	1.40	0.15
M5	5.1	5.4	9.2	$1.8 \pm 0.1$	$1 \pm 0.1$	1.50	1.70	0.30
M6	6.1	6.5	11.8	$2.5 \pm 0.15$	$1.3 \pm 0.1$	2.00	2.20	0.70
M7	7.1	7.5	12.7	$2.5 \pm 0.15$	$1.3 \pm 0.1$	2.00	2.20	0.75
M8	8.1	8.5	14.8	$3 \pm 0.15$	$1.6 \pm 0.1$	2.45	2.75	1.30
M10	10.2	10.7	18.1	$3.5 \pm 0.2$	$1.8 \pm 0.1$	2.85	3.15	2.10
M12	12.2	12.7	21.1	$4 \pm 0.2$	$2.1 \pm 0.15$	3.35	3.65	3.20
M14	14.2	14.7	24.1	$4.5 \pm 0.2$	$2.4 \pm 0.15$	3.90	4.30	4.80
M16	16.2	17	27.4	$5 \pm 0.2$	$2.8 \pm 0.15$	4.50	5.10	7.00
M18	18.2	19	29.4	$5 \pm 0.2$	$2.8 \pm 0.15$	4.50	5.10	7.80
M20	20.2	21.2	33.6	$6 \pm 0.2$	$3.2 \pm 0.2$	5.10	5.90	12.20
M22	22.5	23.5	35.9	$6 \pm 0.2$	$3.2 \pm 0.2$	5.10	5.90	13.30
M24	24.5	25.5	40	$7 \pm 0.25$	$4 \pm 0.2$	6.50	7.50	21.50
M27	27.5	28.5	43	$7 \pm 0.25$	$4 \pm 0.2$	6.50	7.50	23.70
M30	30.5	31.7	48.2	$8 \pm 0.25$	$6 \pm 0.2$	9.50	10.50	42.50
M36	36.5	37.7	58.2	$10 \pm 0.25$	$6 \pm 0.2$	10.30	11.30	68.00

All measurements are in mm



## Dimensions of single turn of the spring lock washers DIN 128, Waved Type B

Bolt Dia	D min.	D1 max.	H min.	S
M4	4.1	7.6	1.2	0.8
M5	5.1	9.2	1.5	1
M6	6.1	11.8	2	1.3
M8	8.2	14.9	2.45	1.6
M10	10.2	18.1	2.85	1.8
M12	12.2	21.1	3.35	2.1
M16	16.2	27.4	4.5	2.8

All measurements are in mm

Metric DIN 128 Type A and B Spring Lock Washers are specialty spring lock washers – Both are split metal rings that are bent into a curved (Type A) or waved configuration (Type B). Unlike standard split helical spring lock washers, the DIN 128 lock washers are non-directionally specific allowing the screw and or nut to be tightened in a clockwise or counter-clockwise manner. When compressed by tightening the nut, the DIN 128 lock washer exert a spring force between the tightened bolt and the substrate creating frictional resistance to rotation. UNIQUE Fasteners offers over 500,000 unique fastener products from stock in inch and metric standard in a variety of materials and finishes. The following sizes of DIN 128 Type A and B Spring Lock Washers are available for immediate shipping from stock: Diameters ranging from M2 to M36 in steel and stainless steel A2 and A4.

DIN (Deutsches Institut für Normung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as Metric DIN 128 Type A and B Spring Lock Washers. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization as in the case for DIN 128 Type A and B Spring Lock Washers.