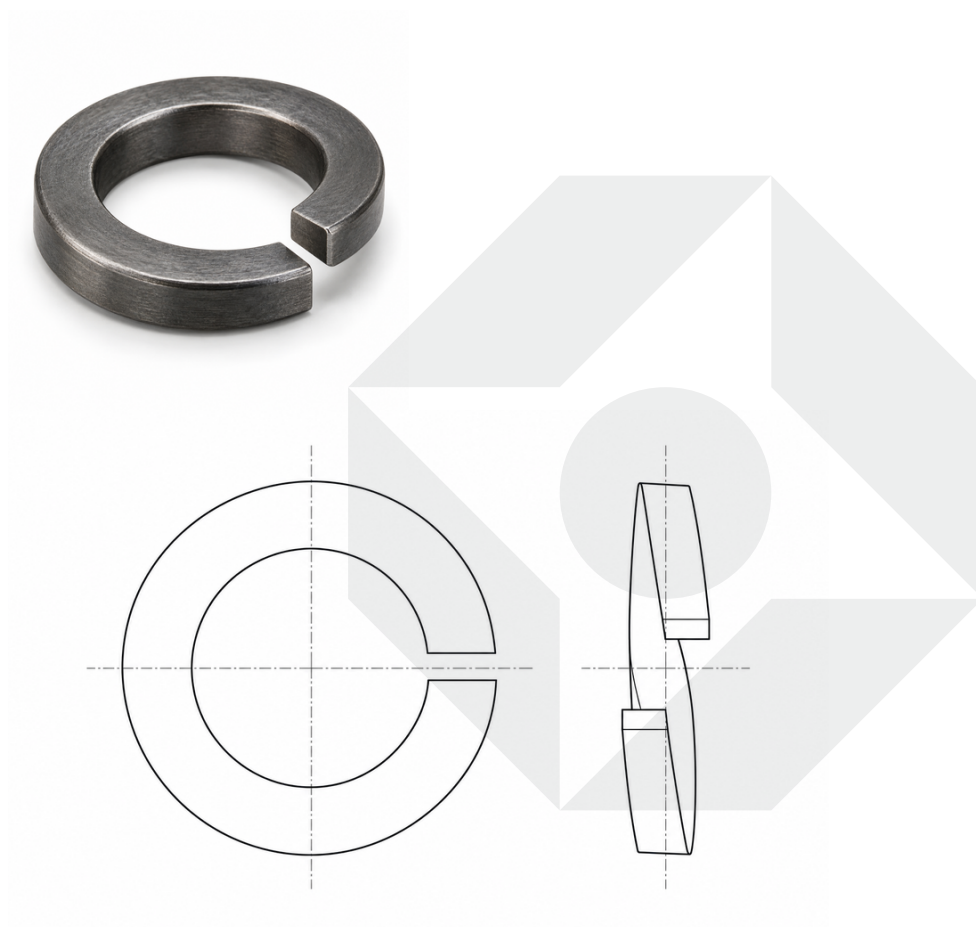


DIN 127 B

Split spring washer, form B

A split washer with rectangular cross-section and square ends for replacement parts and assemblies specifying this geometry. Select nominal size, free height, material and finish to suit the joint specification.

26 commercial sizes from M2 to M52, with gaps in the range. Nominal M denotes the bolt size; h is free height and s is section thickness. Other sizes and finishes on request.



d1: bore · d2: maximum outside diameter · s: section thickness · h: free height. Limits for the commercial series.

Identification drawing, not a manufacturing drawing.

Dimensional range

Dimensions in millimetres.

M	d1 min.–max.	d2 max.	s min.–max.	h min.–max.	kg / 1,000 pcs
2	2.1–2.4	4.4	0.4–0.6	1–1.2	0.033
2.3	2.3–2.6	4.8	0.5–0.7	1–1.2	0.05
2.5	2.6–2.9	5.1	0.5–0.7	1.2–1.4	0.053
3	3.1–3.4	6.2	0.7–0.9	1.6–1.9	0.11
3.5	3.6–3.9	6.7	0.7–0.9	1.6–1.9	0.12
4	4.1–4.4	7.6	0.8–1	1.8–2.1	0.18
5	5.1–5.4	9.2	1.1–1.3	2.4–2.8	0.36
6	6.1–6.5	11.8	1.5–1.7	3.2–3.8	0.83
7	7.1–7.5	12.8	1.5–1.7	3.4–4.2	0.93
8	8.1–8.5	14.8	1.9–2.1	4–4.7	1.6
10	10.2–10.7	18.1	2.05–2.35	4.4–5.2	2.53
12	12.2–12.7	21.1	2.35–2.65	5–5.9	3.82
14	14.2–14.7	24.1	2.85–3.15	6–7.1	6.01
16	16.2–17	27.4	3.3–3.7	7–8.3	8.91
18	18.2–19	29.4	3.3–3.7	7–8.3	9.73
20	20.2–21.2	33.6	3.8–4.2	8–9.4	15.2
22	22.5–23.5	35.9	3.8–4.2	8–9.4	16.5
24	24.5–25.5	40	4.8–5.2	10–11.8	26.2
27	27.5–28.5	43	4.8–5.2	10–11.8	28.7
30	30.5–31.7	48.2	5.8–6.2	12–14.2	44.3
36	36.5–37.7	58.2	5.8–6.2	12–14.2	67.3
39	39.5–40.7	61.2	5.8–6.2	12–14.2	71.7
42	42.5–43.7	68.2	6.75–7.25	14–16.5	111
45	45.5–46.7	71.2	6.75–7.25	14–16.5	117
48	49–50.5	75	6.75–7.25	14–16.5	123
52	53–54.5	83	7.75–8.25	16–18.9	182

Indicative supplier-catalogue weight for each size in spring steel. This is neither a normative mass nor a certified batch weight; do not transfer it to other materials.

Materials and classes

Material	Class / hardness	M	Supply
Spring steel	430–530 HV	M2–M52	On request

Finishes and treatments

Finish	Material	Class	M
Plain / as manufactured	Spring steel	430–530 HV	M2–M52
Electroplated zinc	Spring steel	430–530 HV	M2–M52

Plain oiled or zinc-plated versions. For coated spring steel, define the process, any hydrogen-relief treatment and inspection requirements; these are not implied by the finish name alone.



Standards, documents and enquiry

DIN 127 is withdrawn but remains a commercial designation. Form B has square ends and differs from form A with tang ends. This washer alone does not guarantee protection against vibration-induced loosening.

Suitability depends on the joint and preload. It does not replace a verified locking system for high-strength joints; assess the locking solution for the application.

UNI 1751

Related commercial reference. Verify form, dimensions and material of the ordered series: commercial tables may give nominal figures that differ from the limits listed here.

Supply documentation

Declaration of conformity; Material certificate; EN 10204 2.2 test report; EN 10204 3.1 inspection certificate; Dimensional inspection report; Coating report; Other documentation

Documents are subject to order agreement; no batch certificate is automatically included.

Related components

DIN 125 A, DIN 9021. Check bore, bearing surface, free height and joint specification. The related plain washers have different functions and geometry.

Request a quote

Specify standard, diameter, pitch and length where applicable, material, property class or hardness, finish, quantity and documents. Other sizes and dedicated production can be assessed on request, with agreed minimum quantities.

Reference technical configurations: these do not represent stock quantities.

Other materials and specifications

Other sizes, coatings and A2/A4 stainless versions on request. Stainless variants require their own dimensions and properties; they do not inherit spring-steel hardness or mass.