DIN 125-A vs ISO 7089

Plain washers, normal series — dimensional comparison

Quick answer

Same dimensions for all 29 compiled sizes. ISO 7089:2000 is current; DIN 125 A is the legacy designation. The chamfered counterpart is ISO 7090 / DIN 125 B — not interchangeable when the chamfer matters.

Size	For thread	d1 (mm)	d2 (mm)	h (mm)	kg/1000
6.4	M6	6.4–6.62	11.57–12	1.4–1.8	1.02
8.4	M8	8.4–8.62	15.57–16	1.4–1.8	1.83
10.5	M10	10.5–10.77	19.48–20	1.8–2.2	3.57
13	M12	13–13.27	23.48–24	2.3–2.7	6.27
17	M16	17–17.27	29.48–30	2.7–3.3	11.3
21	M20	21–21.33	36.38–37	2.7–3.3	17.2

What differs / what to check

- DIN 125 A = plain (unchamfered) washer; DIN 125 B = chamfered version.
- ISO 7089 = plain washer; ISO 7090 = chamfered equivalent.
- ISO 7089 specifies product grade A (tolerance class).
- Hardness class (140HV / 200HV) and coating are ordered separately.

Substitution checklist

- ☐ Check the drawing: DIN 125 A, ISO 7089, or dimensions only.
- ☐ Confirm plain vs chamfered (ISO 7090 / DIN 125 B).
- ☐ Confirm hardness class and coating.
- ☐ For new drawings specify ISO 7089:2000.