DIN 933 vs ISO 4017

Fully threaded hexagon head screws — dimensional comparison

Quick answer

Same dimensions; different standard status and product grade. ISO 4017:2022 is current; DIN 933 is the legacy designation (product grade C). For new drawings specify ISO 4017; DIN 933 is dimensionally interchangeable.

Size	Pitch (mm)	s — AF (mm)	k (mm)	e (mm)
M6	1.0	10	4	11.05
M8	1.25	13	5.3	14.38
M10	1.5	16	6.4	17.77
M12	1.75	18	7.5	20.03
M16	2.0	24	10	26.75
M20	2.5	30	12.5	33.53

What differs / what to check

- DIN 933:1987 superseded by DIN EN ISO 4017; current edition ISO 4017:2022.
- DIN 933 = product grade C; ISO 4017 = grade A (to M24) / grade B (above M24).
- Property class (8.8 / 10.9 / 12.9 / A2 / A4) is specified separately.
- Marking and MTC / EN 10204 3.1 are separate order requirements.

Substitution checklist

- ☐ Check the drawing: DIN 933, ISO 4017, or dimensions only.
- ☐ Confirm product grade, property class and finish.
- ☐ Confirm marking and MTC / EN 10204 3.1 requirements.
- ☐ For new drawings specify ISO 4017:2022.