

2 Technical delivery conditions

Material		Steel	Stainless steel	Non-ferrous metal
General requirements		As specified in DIN 267 Part 1		
Thread	Tolerance class	For sizes up to and including M 1,4. 4h, from size M 1,6. 6g.		
	Standard	DIN 13 Part 15		
Mechanical properties ¹⁾	Property class (material)	14H ¹⁾	A1-50 C4-50	CuZn = copper-zinc alloy ²⁾
	Standard	ISO 898 Part 5	DIN 267 Part 11	DIN 267 Part 18
Permissible dimensional deviations and deviations of form	Product grade	For sizes up to and including M 1,4. F; from size M 1,6. A		
	Standard	DIN 267 Part 6; ISO 4759 Part 1		
Types and finishes with additional information to be stated on ordering		As specified in DIN 962.		
Surface finish		As processed.	Bright.	Bright.
		DIN 267 Part 2 shall apply with regard to surface roughness. DIN 267 Part 19 shall apply with regard to permissible surface discontinuities. DIN 267 Part 9 shall apply with regard to electroplating.		
Acceptance inspection		DIN 267 Part 5 shall apply with regard to acceptance inspection.		
¹⁾ Where cold drawn steels as specified in DIN 1651 are used, the following values of elongation at break, A_5 , are permissible: for sizes not exceeding M 4, 5%; for sizes exceeding M 4, 6%.				
²⁾ CuZn = CU2 or CU3 (as specified in DIN 267 Part 18), at the manufacturer's discretion.				
³⁾ Other property classes or materials shall be subject to agreement.				

3 Designation

Designation of an M2 slotted shoulder screw, of shoulder length $l = 2,5$ mm, assigned to property class 14H¹⁾:

Shoulder screw DIN 927 – M 2 x 2,5 – 14H

¹⁾ Where no property class or type of material is given in existing documentation, property class 14H shall apply.

Standards referred to

DIN 13 Part 15	ISO metric screw threads; fundamental deviations and tolerances for screw threads of 1 mm and larger
DIN 76 Part 1	Thread run-outs and thread undercuts for ISO metric threads as specified in DIN 13
DIN 78	Thread ends; lengths of projection of thread ends for ISO metric screw threads as defined in DIN 13
DIN 267 Part 1	Fasteners; technical delivery conditions; general requirements
DIN 267 Part 2	Fasteners; technical delivery conditions; types of finish and dimensional accuracy
DIN 267 Part 5	Fasteners; technical delivery conditions; acceptance inspection (modified version of ISO 3269, 1984 edition)
DIN 267 Part 6	Fasteners; technical delivery conditions; types of finish and dimensional accuracy for product grade F
DIN 267 Part 9	Fasteners; technical delivery conditions; components with electroplated coatings
DIN 267 Part 11	Fasteners; technical delivery conditions (with additions to ISO 3506); corrosion-resistant stainless steel fasteners
DIN 267 Part 18	Fasteners; technical delivery conditions; components made of non-ferrous metals
DIN 267 Part 19	Fasteners; technical delivery conditions; surface discontinuities on bolts and screws
DIN 962	Screws, bolts, studs and nuts; designations, types and finishes
DIN 1651	Free cutting steels; technical delivery conditions
ISO 898 Part 5	Mechanical properties of fasteners; set screws and similar threaded fasteners not under tensile stresses
ISO 4759 Part 1	Tolerances for fasteners; bolts, screws and nuts with thread diameters between 1,6 (inclusive) and 150 mm (inclusive) and product grades A, B and C

Previous editions

10.42, 01.43, 08.53, 08.72.

Amendments

The following amendments have been made in comparison with the August 1972 edition.

- a) Size M1,8 has been deleted because there is no demand for it.
- b) The previous design m as specified in DIN 267 Part 2, April 1968 edition, has been replaced by product grade F as specified in DIN 267 Part 6 and product grade A as specified in ISO 4759 Part 1.
- c) Limiting dimensions calculated from the permissible tolerances have been included.
- d) Some values of slot depth have been amended.
- e) Property class 5.8 has been replaced by property class 14H.
- f) The technical delivery conditions have been amended.
- g) The content of the standard has been editorially revised.
- h) The example of designation has been amended.

International Patent Classification

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