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Table (concluded)

	Thread siz	er a	(M 3,5)	M 4	M 5	M 6	М 8	M 10
P^{1})			0.6	0,7	0,8	1	1.25	1.5
h			5,5	6	7	9	11	13.5
$d_{\mathbf{k}}$	max = nom	imal size	7.5	8.5	11	13	16	20
	erm.		7.28	8.28	10.73	12,73	15,73	19,67
d_{s}	mis = nom	inal size	4,5	5,5	7	8	10	13
	men		4,47	5,47	6,964	7.964	9,964	12,957
, 1			0.5	0.6	0,7	0.8	0,9	1,1
	Nominal si	te	2	2.4	2,7	3.1	3.8	4,6
k	max.		2.12	2.52	2.82	3.25	3,95	4,75
	man .		1,88	2.28	2.58	2.95	3,65	4,45
	Nominal siz	e	0.8	1	1.2	1.6	2	2,5
n	(Pull		0.86	1.06	1,26	1,66	2,06	2,56
	max		1	1.2	1,51	1,91	2.31	2,36
r .	m.jı		0,1	0,2	0.2	0.25	0.4	
	min		1 ,	1,2	1.3	1.5		0,4
1	max		1,3	1,5	1.6	1.9	1,9	2,3
							4,4	2,8
	1							
Nominal size	i min	. mas						
Nominal size	i				i			
	min							
1,6	1,66	1.7				.		
1,5	1,66 1,86	1.7						
1,6 1,8 2 2,5	1,66 1,86 2,06	1.7			·			
1,6 1,8 2 2,5	1,66 1,86 2,06 2,56	1.7 1.9 2.1 2.6						
1,6 1,8 2 2,5 3	1.66 1.86 2.06 2.56 3.06	1.7 1.9 2.1 2.6 3.1						
1,6 1,8 2 2,5 3 (3,5)	1,66 1,86 2,06 2,56 3,06 3,57	1.7 1.9 2.1 2.6 3.1 3.65 4.15						
1,5 1,8 2 2,5 3 (3,5)	1,66 1,86 2,06 2,56 3,06 3,57 4,07	1.7 1.9 2.1 2.6 3.1 3.65						
1,6 1,8 2 2,5 3 (3,5) 4 (4,5) 5	1.66 1.86 2.06 2.56 3.06 3.57 4.07 4.57	1.7 1.9 2.1 2.6 3.1 3.65 4.15 4.65						
1,6 1,8 2 2,5 3 (3,5) 4 (4,5)	1,66 1,86 2,06 2,56 3,06 3,57 4,07 4,57 5,07	1,7 1,9 2,1 2,6 3,1 3,65 4,15 4,65 5,15 6,15						
1,6 1,8 2 2,5 3 (3,5) 4 (4,5) 5	1.66 1.86 2.06 2.56 3.06 3.57 4.07 4.57 5.07 6.07	1,7 1,9 2,1 2,6 3,1 3,65 4,15 4,65 5,15 6,15 6,15						
1,5 1,8 2 2,5 3 (3,5) 4 (4,5) 5 6	1.66 1.86 2.06 2.56 3.06 3.57 4.07 4.57 5.07 6.07 8.07	1,7 1,9 2,1 2,6 3,1 3,65 4,15 4,65 5,15 6,15						
1,5 1,8 2 2,5 3 (3,5) 4 (4,5) 5 6 (8)	1.66 1.86 2.06 2.56 3.06 3.57 4.07 4.57 5.07 6.07 8.07	1,7 1,9 2,1 2,6 3,1 3,65 4,15 4,65 5,15 6,15 6,15 10,15						
1,5 1,8 2 2,5 3 (3,5) 4 (4,5) 5 6 (8) 10	1,66 1,86 2,06 2,56 3,06 3,57 4,07 4,57 5,07 6,07 8,07 10,07	1,7 1,9 2,1 2,6 3,1 3,65 4,15 4,65 5,15 6,15 8,15 10,15						

Thread sizes and intermediate lengths given in brackets should be avoided if possible. Slotted pun head screws are normally manufactured in the range indicated by stepped lines. Lengths above 25 mm shall be subject to agreement.

) P = pitch of thread (coarse pitch thread)

DIN923-86 (1728x2274x2 tiff) [3]

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2 Technical delivery conditions

Material		Steel	Stainless steel	Non-ferrous metal		
General requireme	ents	As specified in DIN 267 Par				
Tolerance class		For size M1,4: 4 h; from size M1,6: 6g.				
	Standard	DIN 13 Part 15				
Mechanical	Property class (material)	5.81)	A1-50 C4-50	CuZn = copper-zinc alloy ²)		
properties 3)	Standard	ISO 898 Part 1 (1est programme B)	DIN 267 Part 11	DIN 267 Part 18		
Permissible dimensional deviations and	Product grade	For size M1,4: F; from size M1,6: A.				
deviations of form	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.				
		As processed.	Bright.	Bright.		
Surface finish		DIN 267 Part 2 shall apply with regard to surface roughness. DIN 267 Part 19 shall apply with regard to permissible surface discontinuit DIN 267 Part 9 shall apply with regard to electroplating.		le surface discontinuities		
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: and steels as specified in DIN 1651 are used, the followin permissible: for sizes not exceeding M 4, 5%; for sizes larger than M 4 up to and including sizes not exceeding M 8, 6%; for size M 10, 7%.

2) CuZn = CU2 or CU3 (as specified in DIN 267 Part 18), at the manufacturer's discretion.

Other property classes or materials shall be subject to agreement.

3 Designation

Designation of an M 5 slotted pan head screw with shoulder, of shoulder length l = 10 mm, assigned to property class 5.8 $^{\circ}$): Pan head screw DIN 923 - M 5 \times 10 - 5.8

Where screws shall be supplied with different thread lengths, b, the thread length shall be stated in the designation, e.g.: Pan head screw DIN 923 - M $5 \times 10 \times 5 - 5.8$

¹⁾ Where no property class or type of material is given in existing documentation, property class 5.8 shall apply.

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Standards referred to

DIN 13 Part 15 ISO metric screw threads; fundamental deviations and tolerances for screw threads of Imm and lar 76 Part 1 Thread run-outs and thread undercuts for ISO metric threads as specified in DIN 13 Thread ands; lengths of projection of thread ends for ISO metric screw threads as defined in DIN 13 Thread ands; lengths of projection of thread ends for ISO metric screw threads as defined in DIN 15 Fasteners; technical delivery conditions; general requirements Fasteners, technical delivery conditions; types of finish and dimensional accuracy fractions fasteners; technical delivery conditions; types of finish and dimensional accuracy for product grad Fasteners; technical delivery conditions; types of finish and dimensional accuracy for product grad fasteners; technical delivery conditions; components with electroplated coating	
DIN 78 Thread ands; lengths of projection of thread ends for ISO metric threads as specified in DIN 13 DIN 267 Part 1 DIN 267 Part 5 DIN 267 Part 5 DIN 267 Part 6 DIN 267 Part 6 DIN 267 Part 6 DIN 267 Part 9 DIN 267	
DIN 267 Part 1 DIN 267 Part 2 DIN 267 Part 3 DIN 267 Part 4 DIN 267 Part 5 DIN 267 Part 6 DIN 267 Part 9 DIN 26	rger
DIN 267 Part 2 DIN 267 Part 5 DIN 267 Part 6 DIN 267 Part 9	
DIN 267 Part 5 DIN 267 Part 6 DIN 267 Part 6 DIN 267 Part 7 DIN 267 Part 9	N 13
DIN 267 Part 6 Fasteners; technical delivery conditions; acceptance inspection (modified version of ISO 3269, 1984 edith DIN 267 Part 9 Fasteners; technical delivery conditions; types of finish and dimensional accuracy for product grad	
DIN 267 Part 9 Fasteners; technical delivery conditions; components with alactivate by	
	tion)
	de F
DIN 267 Part 11 Fasteners; technical delivery conditions (with additions to the continuous coatings)	
DIN 267 Part 11 Fasteners; technical delivery conditions (with additions to ISO 3506), corrosion-resistant stainless stress	teel
DIN 267 Part 18 Fasteners; technical delivery conditions; components made of non-ferrous metals	
DIN 962 Screws botto and a conditions, surface discontinuities on botts and screws	
DIN 962 Screws, bolts, studs and nuts; designations, types and finishes	
DIN 1651 Free culting steels; technical delivery conditions	
ISO 898 Part 1 Mechanical properties of fasteners; bolts, screws and studs	
ISO 4759 Part 1 Tolerances for fasteners; bolts, screws and nuts with thread diameters between 1,6 (inclusive) at 150 mm (inclusive) and product grades A, B and C	and

Other relevant standards

Threaded shoulder studs with head for precision engineering DIN 58 472

Previous editions

01.43, 08.53, 08.72.

Amendments

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

- a) Size M 1.8 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 Fas 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) The technical delivery conditions have been amended.
- e) The content of the standard has been editorially revised.
- f) The example of designation has been amended.

International Patent Classification

F16B 23/00 F16B 35/00