

Page 2 DIN 921

Table (concluded)

	Thread si	ze d	МЭ	(M 3,5)	M 4	M 5	Мб	M B	M 10
P1)			0.5	0,6	0,7	8,0	1	1.25	1,4
dk	max = 001	nınal size	8	10	12	16	20	25	30
иų	min		7,64	9,64	11,57	15,57	19,48	24,48	29,48
1			0,45	0,5	0,6	0.7	0,8	0,9	1,1
,	Nominal s	ize	1,8	2	2,4	2,7	3,1	3,8	4,6
k	max		1,92	2,12	2,52	2.82	3.25	3,95	4.75
	min		1.68	1.88	2,28	2.58	2.95	3.65	·
	Nominal s	ıze	0,8	0,8	1	1.2	1,6	ļ	4,45
11	min		0.86	0,86	1,06	1,26	1,66	2	2.5
	maa		1		1.2	1,51		2.06	2,56
r	max		0.1	0,1	0,2		1,91	2.31	2.81
			0,9	1		0.2	0.25	0,4	0,4
ı	max		1.15		1.2	1.3	1,5	1.9	2.3
	1		1.13	1.3	1,5	1.6	1,9	2,4	2,8
Nominal size		1							
4		max.					·		
	3.8	4.2		L		1			
5	4.8	5.2			ļ		j	ĺ	
	5.8	6,2							
8	7,8	8,2							
10	9.8	10,2					Ī		
12	11,7	12,3						Ì	
(14)	13,7	14,3			<u>-</u>				
16	1 5,7	16,3	-						
(18)	17,7	18,3			Ì	_			
20 .	19,7	20,3			İ		ļ-,		

Lengths above 20 mm shall be graded in 5 mm steps.

Thread sizes and intermediate lengths given in brackets should be avoided if possible.

Slotted pan head screws are normally manufactured in the range indicated by stepped lines.

1) $P = \rho$ itch of thread (coarse pitch thread).

DIN921-86 (1728x2273x2 tiff) [3]

Fax:062084389

Aug 15 2001 10:33

P.03/04

DIN 921 Page 3

2 Technical delivery conditions

Material General requirements		Steel	Stainless steel	Non-ferrous meta		
		As specified in DIN 267 Part 1.				
Thread	Tolerance class	For sizes up to and including M1.4: 4h; from size M1.6: 6g				
	Standard	DIN 13 Part 15				
Mechanical	Property class (material)	5.81)	A1-50 C4-50	CuZn = copper-zin alloy ²)		
properties 3)	Standard	ISO 898 Part 1 (test programme B)	DIN 267 Pari 11	DIN 267 Part 18		
Permissible dimensional deviations and	Product grade	For sizes up to and including M1,4: F; from size M1.6: A				
deviations of form	Standard	DIN 267 Part 6: ISO 4759 Part 1				
Types and finishes with a to be stated on ordering	dditional information		As specified in DIN 962.			
		As processed.	Bright.	Bright.		
Surface finish		Tour Zor Fait is Stian appr	all apply with regard to so with regard to permissible shall apply with regard to	a cuelana diamenti di		
acceptance inspection		DIN 267 Part 5 shall apply with regard to acceptance inspection.				
for sizes not exce	eeding M 4 5 %	ed in DIN 1651 are used, the	following values of elor	eptance inspection. ngation at break, A ₅ , ar		

for size M 10, 7%.

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 M 5 slotted pan head screw with large head, of nominal length / = 10 mm, assigned to property class 5.8 ¹): Pan head screw DIN 921 - M 5 \times 10 - 5.8

The DIN 4000 - 2 - 1 labular layout of article characteristics shall apply to screws conforming to this standard

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

DIN921-86 (1728x2273x2 tiff) [4]

Fax:062084389

Aug 15 2001 10:34

P.04/04

Page 4 DIN 921

Standards referred to

		The second secon
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 Fasteners, technical delivery conditions: oppositions of the second second 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 are served in this and dimensional accuracy
DIN	267 Part 6	Fasteners; technical delivery conditions; acceptance inspection (modified version of ISO 3269, 1984 edition)
DIN	267 Part 9	Fasteners; technical delivery conditions; types of finish and dimensional accuracy for product grade F Fasteners; technical delivery conditions; components with electroplated coatings
DIN	267 Part 11	Fasteners: technical delivery conditions, components with electroplated coatings
		Fasteners, technical delivery conditions (with additions to ISO 3506), corrosion-resistant stainless steel
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 1	651	Free cutting steels; technical delivery conditions
DIN 4	000 Part 2	Tabular layouts of article observations
ISO	898 Part 1	Tabular layouts of article characteristics for bolts, studs and nuts
	759 Part 1	Mechanical properties of fasteners; bolts, screws and studs
.554	, 55 , 31()	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

01.43, 02.54, 08.72.

Amendments

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

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

 a) Size M I,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) Length $l=1\,\mathrm{mm}$ has been deleted since it has proved impracticable.
- e) The technical delivery conditions have been amended.
- f) The content of the standard has been editorially revised.
- g) The example of designation has been amended.

International Patent Classification

F 16 B 23/00 F 16 B 35/00