

UDC 621.882.241

December 1986

## Hexagon head wood screws

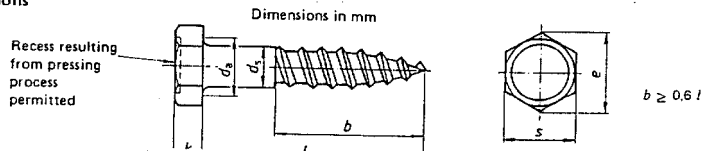
DIN  
571

Sechskant-Holzschrauben mit Schlitz

Supersedes March 1975 edition.

In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

## 1 Dimensions



Thread size		4	5	6	(7)	8	10	12	16	20
$d_s$	max. = nominal size	4	5	6	7	8	10	12	16	20
	min.	3,52	4,52	5,52	6,42	7,42	9,42	11,3	15,3	19,3
$d_s$	max.	5	6	7,2	8,2	10,2	12,2	15,2	19,2	24,4
	Nominal size	2,8	3,5	4	5	5,5	7	8	10	13
k	max.	3,1	3,88	4,38	5,38	5,88	7,45	8,45	10,45	13,90
	min.	2,5	3,13	3,63	4,63	5,13	6,55	7,55	9,55	12,1
s	Nominal size	7	8	10	12	13	17	19	24	30
	max.	7	8	10	12	13	17	19	24	30
e	min.	6,64	7,64	9,64	11,57	12,57	16,57	18,48	23,16	29,16
	min.	7,50	8,63	10,89	13,07	14,2	18,72	20,88	26,17	32,95

Nominal size	l		Mass (7,85 kg/dm <sup>3</sup> ), in kg per 1000 units, approximately												
	min.	max.	1,71	2,92	5,02										
16	15,1	16,9													
20	18,95	21,05	2,01	3,42											
25	23,95	26,05	2,41	4,02	5,82										
30	26,95	31,05	2,81	4,62	6,62					11,5					
35	33,75	36,25	3,11	5,12	7,42					12,9	23,6				
40	38,75	41,25	3,51	5,82	8,22					14,2	25,8	36,2			
45	43,75	46,25								15,6	28,0	39,2			
50	48,75	51,25		6,43	8,94					16,9	30,0	42,1			
55	53,5	56,5		7,03	9,64					18,2	32,1	45,4	84,1		
60	58,5	61,5			10,5					19,6	34,3	48,6	89,7		
65	63,5	66,5			11,2					20,9	36,5	51,8	94,9	165	
70	68,5	71,5								22,2	38,5	54,7	99,5	174	
75	73,5	76,5								23,6	40,7	57,8	107	182	
80	78,5	81,5								25,0	42,9	61,0	112	192	
90	88,25	91,75								26,5	45,2	64,5	116	201	
100	96,25	101,75								29,4	49,9	71,0	130	220	
110	108,25	111,75								32,0	54,0	77,1	141	238	
120	118,25	121,75										83,4	152	253	
130	128,0	132,0										89,5	163	275	
140	138,0	142,0											175	293	
150	148,0	152,0											187	317	
160	158,0	162,0											198	328	
170	168,0	172,0											209	348	
180	178,0	182,0												366	
190	187,7	192,3												385	
200	197,7	202,3												404	421

Lengths above 200 mm shall be graded in 20 mm steps.

Bracketed sizes shall be avoided if possible.

Wood screws are normally manufactured in sizes for which mass values have been specified.

These values are for guidance only.

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**2 Technical delivery conditions**

Material	Steel	Stainless steel
General requirements	As specified in DIN 267 Part 1.	
Details of screw thread and thread end	As specified in DIN 7998.	
Material	St = steel (grade at the manufacturer's discretion).	CuZn = copper-zinc alloy. Al = aluminium alloy. (grade at the manufacturer's discretion)
Permissible deviations, geometrical tolerances	Other materials are subject to agreement. Product grade C as specified in ISO 4759 Part 1 <sup>1)</sup> (previously type g)	
Surface finish	As processed. DIN 267 Part 9 shall apply with regard to electroplating (a different type of electroplating being subject to agreement).	
Acceptance inspection	As specified in DIN 267 Part 5.	
<sup>1)</sup> ISO 4759 Part 1 applies only for screws with ISO metric screw thread. However, the permissible deviations and the geometrical tolerances specified in ISO 4759 Part 1 have analogously been adopted for wood screws.		

**3 Designation**

Designation of a size 4 hexagon head wood screw of nominal length  $l = 20$  mm, made of steel (St):

Wood screw DIN 571 – 4 x 20 – St

The DIN 4000 – 2 – 1 tabular layout of article characteristics shall apply to screws conforming to this standard.

**Standards referred to**

DIN 267 Part 1	Fasteners; technical delivery conditions; general requirements
DIN 267 Part 5	Fasteners; technical delivery conditions; acceptance inspection (modified version of ISO 3269, 1984 edition)
DIN 267 Part 9	Fasteners; technical delivery conditions; components with electroplated coatings
DIN 4000 Part 2	Tabular layouts of article characteristics for bolts, studs and nuts
DIN 7998	Threads and thread ends for wood screws
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**

DIN 571: 03.23, 07.27, 10.28, 01.41, 03.63, 12.67, 03.75.

**Amendments**

The following amendments have been made in comparison with the March 1975 edition.

- Type g has been replaced by product grade C.
- The content of the standard has been revised.

**International Patent Classification**

F 16 B 23/00

F 16 B 25/00