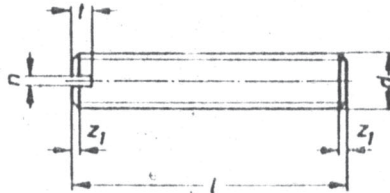


Slotted Set Screws
with Chamfered Ends

DIN
551

Gewindestifte mit Schlitz und Kegelkuppe

Dimensions in mm



z_1 according to DIN 78

Designation of a slotted set screw with chamfered end, with thread $d = M 6$ and length $l = 20$ mm:
Set screw M 6 x 20 DIN 551

d	M 1	M 1,2	M 1,4	M 1,6	(M 1,8)	M 2	M 2,5	M 3	(M 3,5)	M 4	M 5	M 6	M 8	M 10	
n	0,2	0,2	0,2	0,25	0,25	0,25	0,4	0,4	0,5	0,6	0,8	1	1,2	1,6	
t	min.	0,63	0,63	0,75	0,88	0,88	1	1,1	1,25	1,5	1,75	2	2,5	3,1	3,75
	max.	0,78	0,79	0,94	1,06	1,07	1,2	1,33	1,5	1,78	2,05	2,35	2,9	3,6	4,25
l	Weight (7,85 kg/dm ³) kg/1000 pieces \approx														
2	0,007	0,011	0,015	0,021											
2,5	0,009	0,014	0,019	0,027	0,033										
3	0,011	0,017	0,023	0,033	0,040	0,048	0,075	0,11	0,15						
4	0,015	0,024	0,031	0,047	0,055	0,067	0,11	0,15	0,21	0,26	0,40				
5			0,040	0,061	0,070	0,086	0,14	0,20	0,27	0,34	0,52	0,72			
6				0,075	0,085	0,10	0,17	0,24	0,33	0,41	0,65	0,90	1,60		
8						0,14	0,23	0,33	0,45	0,57	0,90	1,25	2,30		
10								0,42	0,56	0,72	1,15	1,60	3,00	4,20	
12									0,68	0,87	1,40	1,95	3,70	5,20	
(14)											1,65	2,30	4,40	6,20	
16											1,90	2,65	5,10	7,20	
(18)												3,00	5,80	8,20	
20												3,35	6,50	9,20	
(22)													7,20	10,2	
25													8,30	11,7	
(28)														13,2	
30														14,2	
35															
40															
45															
50															
55															
60															

Lengths over 60 mm are to be stepped in rises of 10 mm.

Bracketed sizes and intermediate lengths should be avoided wherever possible.

Normally, the set screws are manufactured in the sizes for which weight details are indicated.

Continued on page 2
Explanations on page 2

No guarantee can be given in respect of this translation in all cases the latest German-language version of this standard shall be taken as authoritative

Nachdruck, auch auszugsweise, nur mit Genehmigung des DIN Deutsches Institut für Normung e. V., Berlin 30, gestattet.

Translation
Fachtechnisches Übersetzungsinstitut
Henry G. Freeman, Düsseldorf

Technical conditions of delivery according to DIN 267

Strength category or material:

4.6 or 5.8 according to DIN 267 Part 3 (at manufacturer's choice)
Other strength categories or materials by agreement.

Type: m according to DIN 267 Part 2

If surface protection is required, the designation must be augmented according to DIN 267 Part 9.

For sizes over M 10, set screws with hexagon socket according to DIN 913 are recommended.

The sizes listed below are not intended for new designs because they are not contained in the international selection of threads for screws and bolts. It is intended to delete these sizes after an appropriate period has elapsed.

<i>d</i>	M 1,7	M 2,3	M 2,6
<i>n</i>	0,25	0,4	0,4
<i>t</i>	min.	0,88	1
	max.	1,06	1,2
<i>l</i>	Weight (7,85 kg/dm ³)		
	kg/1000 pieces [≈]		
2	0,023		
2,5	0,030		
3	0,037	0,065	0,082
4	0,050	0,090	0,11
5	0,063	0,11	0,15
6	0,076	0,14	0,18
8		0,19	0,25
10		0,24	0,31
12			

Explanations

Compared with the April 1956 issue, the following amendments and additions should be noted:

- a) In agreement with the international selection of threads for screws and bolts, the sizes M 1.6, M 1.9 and M 2.5 have been included. The sizes M 1.7, M 2.3 and M 2.6 have been barred for new designs.
- b) Sizes over M 10 have been deleted because in this range set screws with hexagon socket according to DIN 913 provide better tightening facilities.
- c) In agreement with ISO Recommendation R 888 and the new screws and bolts standards already issued, the 15 mm nominal length has been superseded by 14 and 16 mm, the 16 mm length being preferred. The reference to intermediate lengths, however, continues to provide the possibility of ordering the 15 mm length according to this Standard in cases where it cannot be replaced by the 16 mm.
- d) Some of the slot dimensions have been altered and brought into line with the provisions of DIN 267 Part 2. The slot depths have been corrected to make the minimum depth 2.5 x thread pitch.
- e) The oval form previously given to the slotted end has been replaced by a chamfered end. The chamfered end provides better tightening facilities and is also more satisfactory from the production standpoint.
- f) The content of the Standard has undergone re-editing.