

Cross recessed countersunk head tapping screws

DIN
7982

Senk-Blechschrauben mit Kreuzschlitz

Supersedes December 1984 edition.

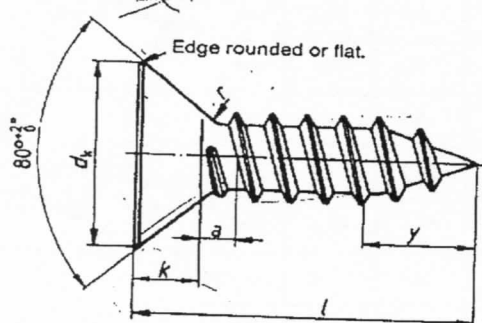
In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

This standard should be used together with ISO 7050. For details, see Explanatory notes. It is intended to withdraw the present standard by 31 July 1995 at the latest.

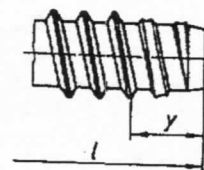
Dimensions in mm

1 Dimensions

Type C_s, with cone point
(previously, type B)

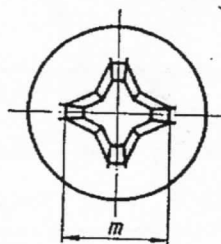


Type F, with long dog point
(previously, type BZ)

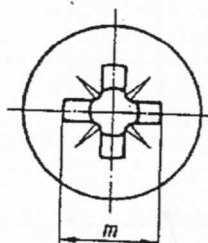


Other dimensions as shown at left.

Cross recess type H



Cross recess type Z



Continued on pages 2 to 4

Table 1.

Thread size		ST2,2	ST2,9	ST3,5	(ST3,9)	ST4,2	ST4,8	ST5,5	ST6,3				
P ¹⁾		0,8	1,1	1,3	1,3	1,4	1,6	1,8	1,8				
a max.		0,8	1,1	1,3	1,3	1,4	1,6	1,8	1,8				
d _k max. = nominal size		4,3	5,5	6,8	7,5	8,1	9,5	10,8	12,4				
		4	5,2	6,44	7,14	7,74	9,14	10,37	11,97				
k ≈		1,3	1,7	2,1	2,3	2,5	3	3,4	3,8				
r max.		0,8	1,1	1,4	1,5	1,6	1,9	2,1	2,4				
Cross recess No.		1		2				3					
Cross recess		Type H		m ≈		2,5	3	4,2	4,6	4,7	5,1	6,8	7,1
		Penetration depth		min.		1,02	1,4	1,62	2,03	2,11	2,59	2,95	3,33
				max.		1,32	1,7	2,12	2,53	2,62	3,1	3,53	3,91
		Type Z		m ≈		2,4	2,8	4	4,2	4,4	5	6,3	7
				Penetration depth		min.		1,1	1,48	1,6	1,85	2,05	2,64
		max.				1,35	1,73	2,06	2,31	2,51	3,1	3,18	3,84
y max.		Type C		2	2,6	3,2	3,5	3,7	4,3	5	6		
		Type F		1,6	2,1	2,5	2,7	2,8	3,2	3,6	3,6		
l					Approximate mass (7,85 kg/dm ³), per 1000 units, in kg								
Nominal size	Type C		Type F										
	min.	max.	min.	max.									
6,5	5,7	7,3	5,7	6,5	0,140	0,242							
9,5	8,7	10,3	8,7	9,5	0,200	0,350	0,548	0,658	0,775	1,10			
13	12,2	13,8	12,2	13	0,270	0,476	0,722	0,880	1,02	1,45	2,11	2,53	
16	15,2	16,8	15,2	16	0,330	0,584	0,871	1,07	1,23	1,75	2,49	3,07	
19	18,2	19,8	18,2	19		0,692	1,02	1,26	1,44	2,05	2,87	3,61	
22	21,2	22,8	20,7	22			1,17	1,45	1,65	2,35	3,26	4,15	
25	24,2	25,8	23,7	25			1,32	1,64	1,86	2,65	3,65	4,69	
32	30,7	33,3	30,7	32					2,35	3,35	4,56	5,95	
38	36,7	39,3	36,7	38							5,34	7,03	
Commercial sizes are those screws for which a value of mass has been specified. These values are for guidance only. The thread size in brackets should be avoided if possible. The core hole diameter shall be as specified in DIN 7975. 1) P = pitch of thread.													