

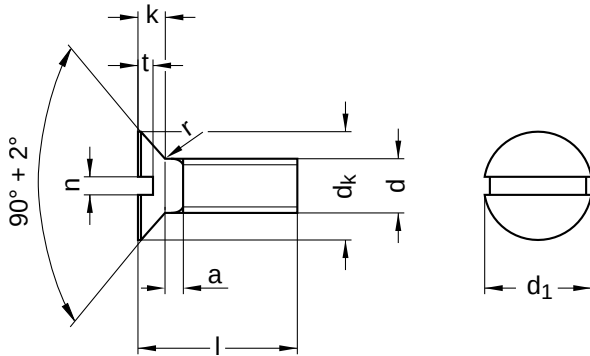
DIN 963 similar to ISO 2009

Countersunk bolts

With slot | Form A

Steel 4.8 | bright | Cr(VI)-free | Metric thread

Further information: DIN standard has been withdrawn



Diameter (d)	a max.	dk		k max.	nominal size	n		r max.	Pitch (P)	t	
		min.	max.			min.	max.			max.	min.
M3	1.0	5.30	5.6	1.65	0.8	0.86	1.00	0.30	0.50	0.85	0.6
M3.5	1.2	6.14	6.5	1.93	0.8	0.86	1.00	0.35	0.60	1.00	0.7
M4	1.4	7.14	7.5	2.20	1.0	1.06	1.20	0.40	0.70	1.10	0.8
M5	1.6	8.84	92.0	2.50	1.2	1.26	1.51	0.50	0.80	1.30	1.0
M6	2.0	10.57	11.0	3.00	1.6	1.66	1.91	0.60	1.00	1.60	1.2
M8	2.5	14.07	14.5	4.00	2.0	2.06	2.31	0.80	1.25	2.10	1.6
M10	3.0	17.57	18.0	5.00	2.5	2.56	2.81	1.00	1.50	2.60	2.0
M12	3.5	21.48	22.0	6.00	3.0	3.06	3.31	1.20	1.75	3.00	2.4
M16	4.0	28.48	29.0	8.00	4.0	4.07	4.37	1.60	2.00	4.00	3.2
M20	5.0	35.38	36.0	10.00	5.0	5.07	5.37	2.00	2.50	5.00	4.0

nominal size	Length (l)	
	min.	max.
5	4.76	5.24
6	5.76	6.24
8	7.70	8.30
10	9.70	10.30
12	11.65	12.35
14	13.65	14.35
16	15.65	16.35
18	17.65	18.35

nominal size	Length (l)	
	min.	max.
20	19.60	20.40
22	21.60	22.40
25	24.60	25.40
30	29.60	30.40
35	34.50	35.50
40	39.50	40.50
45	44.50	45.50
50	49.50	50.50

nominal size	Length (l)	
	min.	max.
60	59.40	60.60
70	69.40	70.60
80	79.40	80.60
90	89.30	90.70
100	99.30	100.70

All technical data refer to the measure mm



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Diameter (d)	Length (l)																				
	5	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	60	70	80	90	100
M3	●		●	●		●	●	●	●	●	●	●	●	●	●						
M3.5				●	●		●		●		●	●									
M4	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
M5			●	●		●	●	●		●	●	●	●	●	●	●	●				
M6			●	●	●	●	●	●	●	●	●	●	●	●	●	●					
M8				●	●	●	●	●	●	●	●	●	●	●	●	●					
M10							●	●	●	●	●	●	●	●	●	●	●				
M12									●		●	●	●	●	●	●	●	●	●	●	●
M16											●	●	●	●	●	●	●	●	●	●	●
M20															●	●	●		●	●	●

• Combinations available in the eShop | Other sizes on request

All technical data refer to the measure mm

