DIN 963 similar to ISO 2009

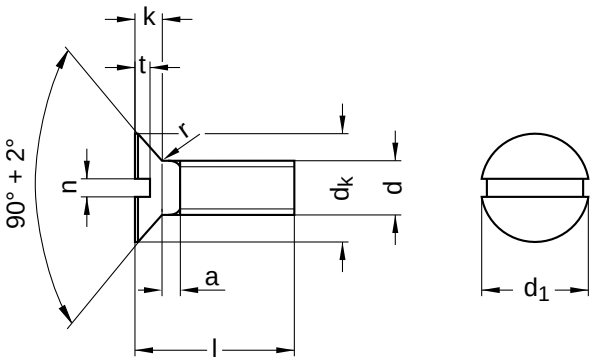
Countersunk bolts

With slot | Form A

Steel 4.8 | zinc-plated | Cr(VI)-free | Metric thread

Further information: DIN standard has been withdrawn





Diameter (d)	a max.	d_k min.	d_k max.	k max.	n nominal size	n min.	n max.	r max.	Pitch (P)	t max.	t min.
M2	0.8	3.50	3.8	1.20	0.5	0.56	0.70	0.20	0.40	0.60	0.4
M2.5	0.9	4.40	4.7	1.50	0.6	0.66	0.80	0.25	0.45	0.70	0.5
M3	1.0	5.30	5.6	1.65	0.8	0.86	1.00	0.30	0.50	0.85	0.6
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

Length (l) nominal size	Length (l) min.	Length (l) max.
4	3.76	4.24
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
16	15.65	16.35
18	17.65	18.35
20	19.60	20.40
22	21.60	22.40

Length (l) nominal size	Length (l) min.	Length (l) max.
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
60	59.40	60.60

All technical data refer to the measure mm

All technical data without obligation. Subject to technical changes and errors.

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Diameter	Length (l)															
(d)	4	5	6	8	10	12	16	18	20	22	25	30	35	40	45	50	60
M2	●	●	●	●	●	●	●										
M2.5		●	●	●	●	●	●										
M3		●	●	●	●	●	●		●		●	●					
M4		●	●	●	●	●	●	●	●		●	●	●	●			
M5				●	●	●	●	●	●		●	●	●	●		●	
M6				●	●	●	●		●		●	●	●	●	●	●	
M8					●	●	●		●		●	●	●	●		●	
M10							●	●	●	●	●	●	●	●	●	●	●
M12									●		●	●	●	●	●	●	●
M16												●	●	●	●	●	●

All technical data refer to the measure mm

All technical data without obligation. Subject to technical changes and errors.