ISO 10642 similar to DIN 7991

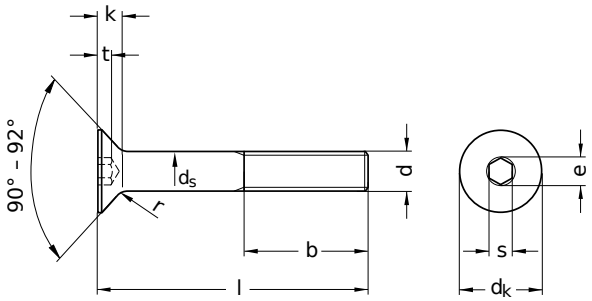
Countersunk bolts

Hexagon socket



Steel 8.8 | zinc-plated | Cr(VI)-free | Metric thread

Further information: the head height and head diameter have been partly changed | due to the head geometry, these screws have only a limited load bearing capacity, see DIN EN ISO 898-1



Diameter (d)	Tool size	b nominal size	d_k min.	d_k max.	d_s min.	d_s max.	k min.	k max.
M3	SW 2	18	5.54	6.72	2.86	3	1.52	1.86
M4	SW 2,5	20	7.53	8.96	3.82	4	2.12	2.48
M5	SW 3	22	9.43	11.20	4.82	5	2.67	3.10
M6	SW 4	24	11.34	13.44	5.82	6	3.22	3.72
M8	SW 5	28	15.24	17.92	7.78	8	4.37	4.96
M10	SW 6	32	19.22	22.40	9.78	10	5.56	6.20
M12	SW 8	36	23.12	26.88	11.73	12	6.71	7.44
M16	SW 10	48	29.01	33.60	15.73	16	7.87	8.80
M20	SW 12	60	35.40	40.32	19.67	20	9.04	10.16

Diameter (d)	e min.	r min.	s nominal size	s min.	s max.	Pitch (P)	t min.
M3	2.30	0.10	2.0	2.02	2.08	0.50	1.10
M4	2.87	0.20	2.5	2.52	2.58	0.70	1.40
M5	3.44	0.20	3.0	3.02	3.08	0.80	1.75
M6	4.58	0.25	4.0	4.02	4.10	1.00	2.20
M8	5.72	0.40	5.0	5.02	5.14	1.25	2.90
M10	6.86	0.40	6.0	6.02	6.14	1.50	3.50
M12	9.15	0.60	8.0	8.02	8.18	1.75	4.30
M16	11.43	0.60	10.0	10.02	10.18	2.00	4.80
M20	13.72	0.80	12.0	12.03	12.21	2.50	5.60

All technical data refer to the measure mm

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

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Length (l)		
nominal size	min.	max.
8	7.71	8.29
10	9.71	10.29
12	11.65	12.35
16	15.65	16.35
18	17.65	18.35
20	19.58	20.42

Length (l)		
nominal size	min.	max.
25	24.58	25.42
30	29.58	30.42
35	34.50	35.50
40	39.50	40.50
45	44.50	45.50
50	49.50	50.50

Length (l)		
nominal size	min.	max.
55	54.40	55.60
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

Diameter	Length (l)																	
(d)	8	10	12	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100
M3	●	●																
M4	●	●	●	●		●		●		●								
M5	●	●	●	●		●	●		●	●	●	●						
M6	●	●	●	●	●	●	●	●	●	●		●	●					
M8		●	●	●		●	●	●	●	●	●		●			●		
M10				●		●	●	●	●			●					●	●
M12							●	●	●			●	●	●	●	●		
M16							●	●	●	●			●		●	●	●	
M20												●						

All technical data refer to the measure mm

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