DIN 7991 similar to ISO 10642

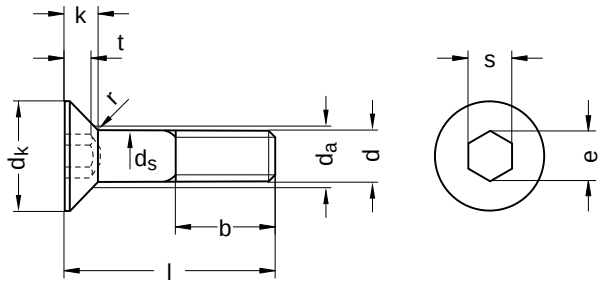
Countersunk bolts

Hexagon socket



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

Further information: DIN-standard has been withdrawn | due to the head geometry, these screws have only a limited load bearing capacity, see DIN EN ISO 898-1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			d_a	d_k		d_s	
		l up to 125	l up to 200	l longer than 200	max.	min.	max.	min.	max.
M3	SW 2	12	–	–	3.6	5.70	6	2.86	3
M4	SW 2,5	14	–	–	4.7	7.64	8	3.82	4
M5	SW 3	16	–	–	5.7	9.64	10	4.82	5
M6	SW 4	18	24	–	6.8	11.57	12	5.82	6
M8	SW 5	22	28	–	9.2	15.57	16	7.78	8
M10	SW 6	26	32	45	11.2	19.48	20	9.78	10
M12	SW 8	30	36	49	13.7	23.48	24	11.73	12
M16	SW 10	38	44	57	17.7	29.48	30	15.73	16
M20	SW 12	46	52	65	22.4	35.38	36	19.67	20

Diameter (d)	k	e	r	s			Pitch	t	
	max.	min.	min.	nominal size	min.	max.	(P)	max.	min.
M3	1.7	2.30	0.10	2.0	2.02	2.10	0.50	1.2	0.95
M4	2.3	2.87	0.20	2.5	2.52	2.60	0.70	1.8	1.55
M5	2.8	3.44	0.20	3.0	3.02	3.10	0.80	2.3	2.05
M6	3.3	4.58	0.25	4.0	4.02	4.12	1.00	2.5	2.25
M8	4.4	5.72	0.40	5.0	5.02	5.14	1.25	3.5	3.20
M10	5.5	6.86	0.40	6.0	6.02	6.14	1.50	4.4	4.10
M12	6.5	9.15	0.60	8.0	8.02	8.18	1.75	4.6	4.30
M16	7.5	11.43	0.60	10.0	10.02	10.18	2.00	5.3	5.00
M20	8.5	13.72	0.80	12.0	12.03	12.21	2.50	5.9	5.60

All technical data refer to the measure mm

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

DIN 7991 similar to ISO 10642

Countersunk bolts

Hexagon socket

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

Length (l)		
nominal size	min.	max.
8	7.71	8.29
10	9.71	10.29
12	11.65	12.35
14	13.65	14.35
16	15.65	16.35
18	17.65	18.35
20	19.58	20.42
22	21.59	22.42
25	24.58	25.42
30	29.58	30.42

Length (l)		
nominal size	min.	max.
35	34.50	35.50
40	39.50	40.50
45	44.50	45.50
50	49.50	50.50
55	54.40	55.60
60	59.40	60.60
65	64.40	65.60
70	69.40	70.60
80	79.40	80.60
90	89.30	90.70

Diameter	Length (l)																			
(d)	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	80	90
M3	●	●	●		●		●		●	●										
M4	●	●	●		●		●		●	●	●	●								
M5	●	●	●	●	●	●	●		●	●	●	●	●	●						
M6	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●		●	●	
M8		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
M10			●		●		●		●	●	●	●	●	●	●	●	●	●		
M12							●		●	●	●	●	●	●	●	●		●	●	
M16										●	●	●	●	●	●	●		●	●	●
M20													●	●		●		●	●	

All technical data refer to the measure mm

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