

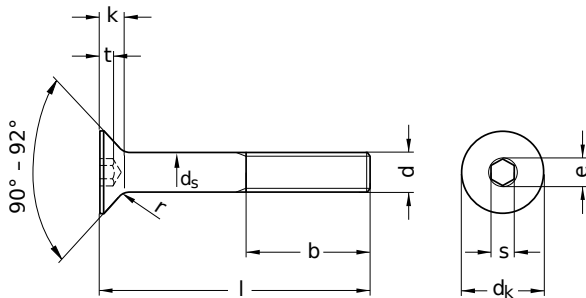
**ISO 10642** similar to DIN 7991

## Countersunk bolts

Hexagon socket

Steel 8.8 | 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)	b nominal size	d <sub>k</sub>		d <sub>s</sub>		k	
		min.	max.	min.	max.	min.	max.
M3	18	5.54	6.72	2.86	3	1.52	1.86
M4	20	7.53	8.96	3.82	4	2.12	2.48
M5	22	9.43	11.20	4.82	5	2.67	3.10
M6	24	11.34	13.44	5.82	6	3.22	3.72
M8	28	15.24	17.92	7.78	8	4.37	4.96
M10	32	19.22	22.40	9.78	10	5.56	6.20
M12	36	23.12	26.88	11.73	12	6.71	7.44
M16	48	29.01	33.60	15.73	16	7.87	8.80
M20	60	35.40	40.32	19.67	20	9.04	10.16

Diameter (d)	e min.	r min.	s			Pitch (P)	t min.	Tool size
			nominal size	min.	max.			
M3	2.30	0.10	2.0	2.02	2.08	0.50	1.10	SW 2
M4	2.87	0.20	2.5	2.52	2.58	0.70	1.40	SW 2,5
M5	3.44	0.20	3.0	3.02	3.08	0.80	1.75	SW 3
M6	4.58	0.25	4.0	4.02	4.10	1.00	2.20	SW 4
M8	5.72	0.40	5.0	5.02	5.14	1.25	2.90	SW 5
M10	6.86	0.40	6.0	6.02	6.14	1.50	3.50	SW 6
M12	9.15	0.60	8.0	8.02	8.18	1.75	4.30	SW 8
M16	11.43	0.60	10.0	10.02	10.18	2.00	4.80	SW 10
M20	13.72	0.80	12.0	12.03	12.21	2.50	5.60	SW 12

All technical data refer to the measure mm



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Hexagon socket

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nominal size	Length (l)	
	min.	max.
8	7.71	8.29
10	9.71	10.29
12	11.65	12.35
16	15.65	16.35
20	19.58	20.42
25	24.58	25.42

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

nominal size	Length (l)	
	min.	max.
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
100	99.30	100.70

Diameter (d)	Length (l)																	
	8	10	12	16	20	25	30	35	40	45	50	55	60	65	70	80	90	100
M3	●	●	●	●	●	●												
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

