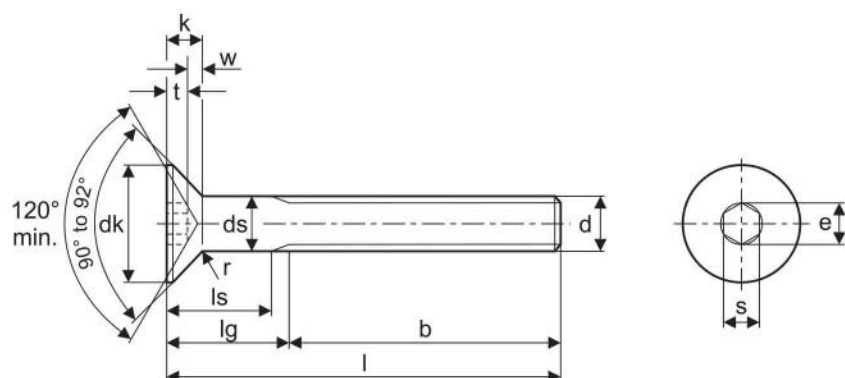


Hexagon Socket Countersunk Head Screws

EN ISO 10642 (DIN 7991)



DIN 7991 Dimensions of Socket Counterunk Head Screws

Nominal size and thread diameter d	Pitch of thread P	Thread length b	Head diameter dk		Transition diameter d_s	Diameter of unthreaded shank d_s		Hex socket width across corners e	Thickness of head k	Radius under head r	Hex socket width across flats s			Hex socket depth t	Depth from socket to head base w
	coarse pitch	max.	min.	max.	max.	min.	max.	min.	max.	min.	min.	max.	nom.	min.	min.
M3	0.50	18	5.54	6.72	3.30	2.86	3.00	2.30	1.86	0.1	2.02	2.06	2.00	1.1	0.25
M4	0.70	20	7.53	8.96	4.40	3.82	4.00	2.87	2.48	0.2	2.52	2.58	2.50	1.5	0.45
M5	0.80	22	9.43	11.20	5.50	4.82	5.00	3.44	3.10	0.2	3.02	3.08	3.00	1.9	0.66
M6	1.00	24	11.34	13.44	6.50	5.82	6.00	4.58	3.72	0.25	4.02	4.095	5.14	2.2	0.70
M8	1.25	28	15.24	17.92	8.54	7.78	8.00	5.72	4.96	0.4	5.02	5.14	5.00	3.0	1.16
M10	1.50	32	19.22	22.40	10.62	9.78	10.00	6.86	6.20	0.4	6.020	6.14	6.00	3.5	1.62
M12	1.75	36	23.12	26.88	13.50	11.73	12.00	9.15	7.44	0.6	8.025	8.175	8.00	4.3	1.80
(M14)	2.00	40	26.52	30.80	15.50	13.73	14.00	11.43	8.40	0.6	10.025	10.175	10.00	4.5	1.62
M16	2.00	44	29.01	33.60	17.50	15.73	16.00	11.43	8.80	0.6	10.025	10.175	10.00	4.8	2.20
M20	2.50	52	36.05	40.32	22.00	19.67	20.00	13.72	10.16	0.8	12.032	12.212	12.00	5.6	2.20

Thread (d)			M3		M4		M5		M6		M8		M10		M12		(M14)		M16		M20	
l			ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.	ls min.	lg max.
nom.	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																				
30	29.58	30.42	9.5	12	6.5	10																
35	34.50	35.50			11.5	15	9	13														
40	39.50	40.50			16.5	20	14	18	11	16												
45	44.50	45.50					19	23	16	21												
50	49.50	50.50					24	28	21	26	15.75	22										
55	54.40	55.60							26	31	20.75	27	15.5	23								
60	59.40	60.60							31	36	25.75	32	20.5	28								
65	64.40	65.60									30.75	37	25.5	33	20.25	29						
70	69.40	70.60									35.75	42	30.5	38	25.25	34	20	30				
80	79.40	80.60									45.75	52	40.5	48	35.25	44	30	40	26	36		
90	89.30	90.70											50.5	58	45.25	54	40	56	36	46		
100	99.30	100.70											60.5	68	55.25	64	50	60	45	56	35.5	48