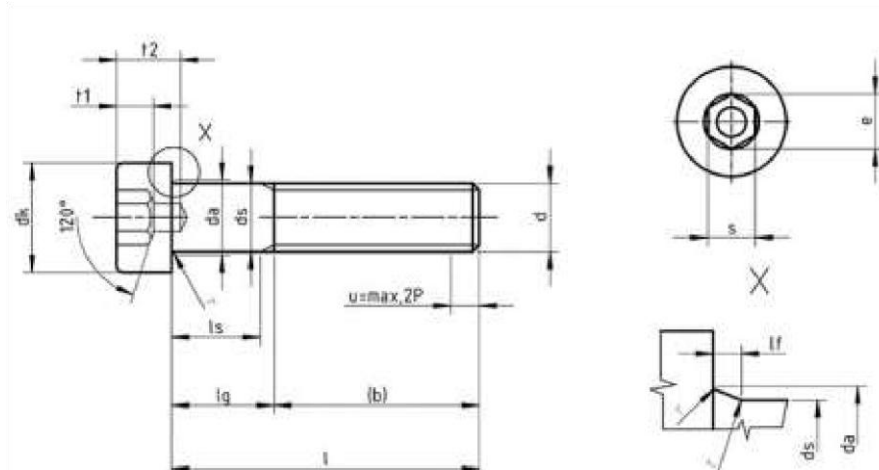




Product Dimensions and Weights

DIN 6912 Technical Specifications

Metric DIN 6912 Low Socket Cap Screw with Pilot Hole



Dimensions of Metric DIN 6912 Low Socket Cap Screw with Pilot Hole

Thread d		M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36
P		0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4
b	$\leq 125\text{mm}$	14	16	18	22	26	30	34	38	42	46	50	54	60	66	72	78
	$\geq 125\text{mm}$ < 200mm	-	-	-	-	32	36	40	44	48	52	56	60	66	72	78	84
	$\geq 200\text{mm}$	-	-	-	-	-	-	-	57	61	65	69	73	79	85	91	97
dk	Nominal size - max.	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54
	Min.	6.78	8.28	9.78	12.73	15.7	17.73	20.67	23.67	26.67	29.7	32.61	35.61	39.61	44.61	49.61	53.54
da	Max.	4.7	5.7	6.8	9.2	11.2	13.7	15.7	17.7	20.2	22.4	24.4	26.4	30.4	33.4	36.4	39.4
dh	Nominal size - min.	2	2.5	3	4	5	6	7	8	8	10	10	12	12	15	16.5	18
	Max.	2.06	2.56	3.06	4.08	5.08	6.08	7.09	8.09	8.09	10.09	10.09	12.11	12.11	15.11	16.61	18.11



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Thread d		M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36
P		0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4
ds	Nominal size - max.	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36
	Min.	3.82	4.82	5.82	7.78	9.78	11.73	13.73	15.73	17.73	19.7	21.67	23.67	26.67	29.67	32.61	65.61
dw	Min.	6.2	7.7	9.2	12.03	15	17.03	19.83	22.83	25.83	28.8	31.61	34.61	38.61	43.61	48.61	52.34
e	Min.	3.44	4.58	5.72	6.86	9.15	11.43	13.72	16	16	19.4	19.44	21.73	21.73	25.15	27.43	30.85
lf	Max.	0.6	0.6	0.68	1.02	1.02	1.45	1.45	1.45	1.87	2.04	2.04	2.04	2.89	2.89	2.89	2.89
k	Nominal size - max.	2.8	3.5	4	5	6.5	7.5	8.5	10	11	12	13	14	16	17.5	19.5	21.5
	Min.	2.66	3.32	3.82	4.82	6.28	7.28	8.28	9.78	10.73	11.7	12.73	13.73	15.73	17.23	19.17	21.17
r	Min.	0.2	0.2	0.25	0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1	1	1	1
s	Nominal size	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27
	Min.	3.02	4.02	5.02	6.02	8.03	10.03	12.03	14.03	14.03	17.05	17.05	19.07	19.07	22.07	24.07	27.07
	Max.	3.10	4.12	5.14	6.14	8.18	10.18	12.21	14.21	14.21	17.23	17.23	19.28	19.28	22.28	24.28	27.28
t1	Nominal size	1.6	2	2.5	3	3.5	4	4.5	5.5	6	6.5	7	7	8.5	9	10	11.5
	Min.	1.48	1.88	2.38	2.88	3.35	3.85	4.35	5.35	5.85	6.32	6.82	6.82	8.32	8.82	9.82	11.28
	Max.	1.72	2.12	2.62	3.12	3.65	4.15	4.65	5.65	6.15	6.68	7.18	7.18	8.68	9.18	10.18	11.72
t2	Min.	3.3	4	5	6.5	7.5	9	10	11.5	12.5	14	15	16	17	19	20	24
	Max.	3.6	4.3	5.3	6.86	7.86	9.36	10.36	11.93	12.93	14.4	15.43	16.43	17.43	19.52	20.52	24.52
v	Max.	0.4	0.5	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.7	3	3.3	3.6



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Thread d			M4		M5		M6		M8		M10		M12		M16		M20		M24		M30		M36	
l			ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg
Nom size	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
10	9.71	10.3	1.4	3.5	1.8	4.2	2.5	5.5																
12	11.7	12.4	1.4	3.5	1.8	4.2	2.5	5.5	3.2	7														
16	15.7	16.4	1.4	3.5	1.8	4.2	2.5	5.5	3.2	7	3.5	8	4.2	9.5										
20	19.6	20.4	2.5	6	1.8	4.2	2.5	5.5	3.2	7	3.5	8	4.2	9.5	5	11								
25	24.6	25.4	7.5	11	5	9	2.5	5.5	3.2	7	3.5	8	4.2	9.5	5	11								
30	29.6	30.4	13	16	10	14	7	12	3.2	7	3.5	8	4.2	9.5	5	11	6.5	14						
35	34.5	35.5	18	21	15	19	12	17	6.75	13	3.5	8	4.2	9.5	5	11	6.5	14						
40	39.5	40.5	23	26	20	24	17	22	11.8	18	6.5	14	4.2	9.5	5	11	6.5	14						
50	49.5	50.5	33	36	30	34	27	32	21.8	28	17	24	12	20	5	11	6.5	14						
60	59.4	60.6			40	44	37	42	31.8	38	27	34	22	30	12	22	6.5	14	7	16				
70	69.4	70.6					47	52	41.8	48	37	44	32	40	22	32	11.5	24	7	16	8.5	19		
80	79.4	80.6							51.8	58	47	54	42	50	32	42	21.5	34	7	16	8.5	19		
90	89.3	90.7									57	64	52	60	42	52	31.5	44	21	36	8.5	19	11	22.
100	99.3	101											62	70	52	62	41.5	54	31	46	8.5	19	11	22.
120	119	121													72	82	61.5	74	51	66	36.5	54	11	22.
140	139	141													86	96	75.5	88	65	80	50.5	68	36	56



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160	159	161															95.5	108	85	100	70.5	88	56	76
180	179	181															116	128	105	120	90.5	108	76	96
200	199	201																	125	140	111	128	96	110

Metric DIN 6912 Low Socket Cap Screw with Pilot Hole are machine thread cylindrical head precision fasteners that have an internal hexagon socket drive and used in applications where head height clearance is restricted. Unlike a standard hex socket drive, the DIN 6912 has a cylindrical pilot hole at the bottom of the drive to accept a similarly sized spherical structure the end of the socket key that functions to guide, align and better secure the driver in place. Unique Fasteners offers the following sizes for immediate delivery from stock: Diameters ranging from M3 to M24 and up to 150mm long and available in A2 and marine grade A4 stainless steel.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as DIN 6912 Low Socket Cap Screw with Pilot Hole. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization