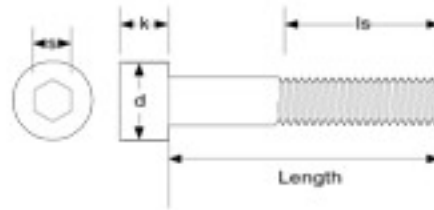


# SOCKET HEAD CAP SCREWS # 912 - DIN & ISO DIMENSIONS

Ref: DIN 912 - 1983 ISO/ 4762 - 1989



Dimensions in mm.

NOM. THREAD DIAMETER	M 1.6	M 2	M 2.5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48	
THREAD PITCH	0.35	0.4	0.45	0.5	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	4	4.5	4.5	5	
THREAD LENGTH $l_s$ min.	15	16	17	18	20	22	24	28	32	36	40	44	48	52	56	60	66	72	78	84	-	96	-	108	
HEAD DIAMETER $d$	max.	3	3.8	4.5	5.5	7	8.5	10	13	16	18	21	24	27	30	33	36	40	45	50	54	-	63	-	72
	min.	2.86	3.62	4.32	5.32	6.78	8.26	9.78	12.73	15.73	17.73	20.67	23.67	26.67	29.67	32.61	35.61	39.61	44.61	49.61	53.54	-	62.54	-	71.54
HEAD HEIGHT $k$	max.	1.7	2	2.5	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	-	42	-	48
	min.	1.46	1.86	2.36	2.86	3.82	4.82	5.70	7.64	9.64	11.57	13.57	15.57	17.57	19.48	21.48	23.48	26.48	29.48	32.38	35.38	-	41.38	-	47.38
Nominal Key Size $s$		1.5	1.5	2	2.5	3	4	5	6	8	10	12	14	14	17	17	19	19	22	24	27	-	32	-	36
		max.	1.56	1.56	2.06	2.58	3.071	4.084	5.084	6.14	8.175	10.127	12.146	14.159	14.212	17.216	17.23	19.275	19.275	22.275	24.275	27.275	-	32.33	-
	min.	1.52	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025	12.032	14.032	14.032	17.05	17.05	19.065	19.065	22.065	24.065	27.065	-	32.08	-	36.08
SOCKET DEPTH	0.7	1	1.1	1.3	2	2.5	3	4	5	6	7	8	9	10	11	12	13.5	15.5	18	19	-	24	-	28	
RADIUS Under Head	0.1	0.1	0.1	0.1	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	-	1.2	-	1.6	

## Notes concerning our line of # 912 Socket Head Cap Screws:

- Availability of Fine Thread:** To meet the increasing demand for fine thread socket head cap screws, we have added many sizes (from M8 x 1 through M20 x 1.5) to our standard product line. Please see page # 1-43 for a complete list (grade 12.9 only).
- Availability of Grade 10.9:** MMCC stocks socket head cap screws in the standard grades 8.8 (tensile 120,000 psi) and 12.9 (tensile 172,000 psi). Some of our customers do have unique "shear strength" requirements that can only be satisfied by grade 10.9 (tensile 150,800 psi). Many of our European manufacturers keep a limited inventory (M4 through M48) of 912's in grade 10.9. Please inquire for lead times and specific minimum quantities.
- Availability of Fully Thread:** The requirements of standard 912 set the recommended minimum thread length of this product a 2x the thread diameter plus 12mm. Many customers have situations that require a much longer thread length. To accommodate their needs, we have decided to stock many of these "special" fully threaded socket heads. Please see page # 1-44 for a complete list of sizes (grade 12.9 only).
- Special Modifications & Materials:** MMCC has a staff of machinists that specialize in common modifications such as left-hand threads, reduced shanks, safety wire drilling, etc. We can also add locking mechanisms (like nylon patch/pellets) and special plating (like Dacromet/Dacronite, etc.) if you require. Please also ask us about special materials such as Monel, Inconel, Titanium, etc.

