



Dimensions of Button Head Cap Screws

Thread Size		M3	M4	M5	M6	M8	M10	M12	M16
d									
P	Pitch	0.5	0.7	0.8	1	1.25	1.5	1.75	2
dk	max	5.7	7.6	9.5	10.5	14	17.5	21	28
	min	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
k	max	1.65	2.2	2.75	3.3	4.4	5.5	6.6	8.8
	min	1.43	1.95	2.5	3	4.05	5.2	6.24	8.44
c	Ref.	0.38	0.38	0.5	0.8	0.8	0.8	0.8	1.5
Nominal Size		2	2.5	3	4	5	6	8	10
S	max	2.045	2.56	3.071	4.084	5.084	6.095	8.115	10.127
	min	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025
t	min	1.04	1.3	1.56	2.08	2.6	3.12	4.16	5.2
e	min	2.3	2.87	3.44	4.58	5.72	6.86	9.15	11.5
L ①	maximum standard length	12	20	30	30	40	40	60	60
da	max	3.6	4.7	5.7	6.8	9.2	11.2	14.2	18.2
	min	3.2	4.4	5.4	6.5	8.8	10.8	13.2	17.2
r	min	0.1	0.2	0.2	0.25	0.4	0.4	0.6	0.6
w	min	0.2	0.3	0.38	0.74	1.05	1.45	1.63	2.25

NOTE: ALL DIMENSIONS ARE IN MM.