

Hexagonal Head 切六角頭

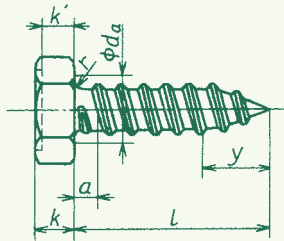
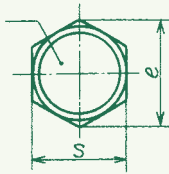
JIS B1180
unit : mm

Designation of screw (d)	d_s						k					
	A		B		C		A		B		C	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
M1.6	1.6	1.46	-	-	-	-	1.225	0.975	-	-	-	-
M2	2	1.86	-	-	-	-	1.525	1.275	-	-	-	-
M2.5	2.5	2.36	-	-	-	-	1.825	1.575	-	-	-	-
M3	3	2.86	-	-	-	-	2.125	1.875	-	-	-	-
(M3.5)	3.5	3.32	-	-	-	-	2.525	2.275	-	-	-	-
M4	4	3.82	-	-	-	-	2.925	2.675	-	-	-	-
M5	5	4.82	-	-	5.48	4.52	3.65	3.35	-	-	3.875	3.125
M6	6	5.82	-	-	6.48	5.52	4.15	3.85	-	-	4.375	3.625
M8	8	7.78	-	-	8.58	7.42	5.45	5.15	-	-	5.675	4.925
M10	10	9.78	-	-	10.58	9.42	6.58	6.22	-	-	6.85	5.95
M12	12	11.73	-	-	12.7	11.3	7.68	7.32	-	-	7.95	7.05
(M14)	14	13.73	-	-	14.7	13.3	8.98	8.62	-	-	9.25	8.35
M16	16	15.73	16	15.57	16.7	15.3	10.18	9.82	10.29	9.71	10.75	9.25
(M18)	18	17.73	18	17.57	18.7	17.3	11.715	11.285	11.85	11.15	12.4	10.6
M20	20	19.67	20	19.48	20.48	19.16	12.715	12.285	12.85	12.15	13.4	11.6

Designation of screw (d)	S			
	A		B	C
	Max	Min	Min	Min
M1.6	3.2	3.02	-	-
M2	4	3.82	-	-
M2.5	5	4.82	-	-
M3	5.5	5.32	-	-
(M3.5)	6	5.82	-	-
M4	7	6.78	-	-
M5	8	7.78	-	7.64
M6	10	9.78	-	9.64
M8	13	12.73	-	12.57
M10	16	15.73	-	15.57
M12	18	17.73	-	17.57
(M14)	21	20.67	-	20.16
M16	24	23.67	23.16	23.16
(M18)	27	26.67	26.16	26.16
M20	30	29.67	29.16	29.16



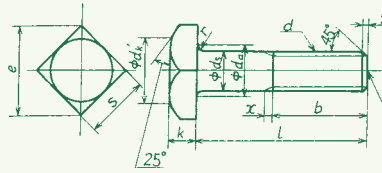
Type C



Indented Hexagonal Head 打六角頭

JIS B 1123
unit : mm

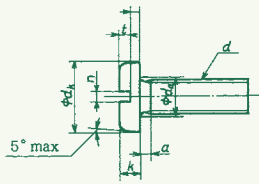
Designation of threads (d)	2.2	2.9	3.5	4.2	4.8	5.5	6.3	8	9.5
Pitch (P)	0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
a Max	0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
da Max	2.8	3.5	4.1	4.9	5.5	6.3	7.1	9.2	10.7
s Max	3.2	5	5.5	7	8	8	10	13	16
Min	3.02	4.82	5.32	6.78	7.78	7.78	9.78	12.73	15.73
e Min	3.38	5.4	5.96	7.59	8.71	8.71	10.95	14.26	17.62
k Max	1.6	2.3	2.6	3	3.8	4.1	4.7	6	7.5
Min	1.3	2	2.3	2.6	3.3	3.6	4.1	5.2	6.5
k' Min	0.9	1.4	1.6	1.8	2.3	2.5	2.9	3.6	4.5



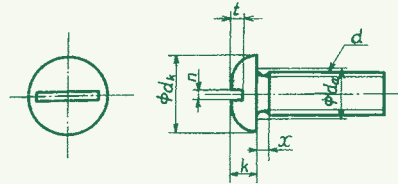
Square Head 四方頭

JIS B1182
unit : mm

Designation of thread (d)	d _s		k		s		e	d' _k
	Basic dimension	Tol.	Basic dimension	Tol.	Basic dimension	Tol.		
M 3	3	0 -0.1	2	±0.1	5.5	0 -0.2	7.8	5.3
M 4	4	0 -0.1	2.8	±0.1	7	0 -0.2	9.9	6.8
M 5	5	0 -0.1	3.5	±0.15	8	0 -0.2	11.3	7.8
M 6	6	0 -0.1	4	±0.15	10	0 -0.2	14.1	9.8
M 8	8	0 -0.15	5.5	±0.15	13	0 -0.25	18.4	12.5
M 10	10	0 -0.15	7	±0.2	17	0 -0.25	24	16.5
M 12	12	0 -0.2	8	±0.2	19	0 -0.35	26.9	18
(M 14)	14	0 -0.2	9	±0.2	22	0 -0.35	31.1	21
M 16	16	0 -0.2	10	±0.2	24	0 -0.35	33.9	23
(M 18)	18	0 -0.2	12	±0.2	27	0 -0.35	38.2	26
M 20	20	0 -0.2	13	±0.2	30	0 -0.35	42.4	29



Pan Head

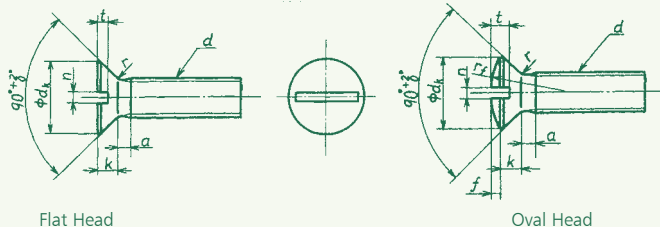


Round Head

Pan Head and Round Head 盆頭、圓頭

JIS B1101
unit : mm

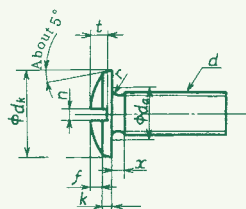
Head Type Designation of thread (d)	Pan Head				Round Head			
	dk	Tol.	k	Tol.	dk	Tol.	k	Tol.
M 1	2		0.65	±0.1	2		0.8	±0.1
M 1.2	2.3		0.8	±0.1	2.3		0.9	±0.1
(M 1.4)	2.6		0.9	±0.1	2.6		1	±0.1
M 1.6	3		1	±0.1	3		1.1	±0.1
M 2	3.5		1.3	±0.1	3.5		1.3	±0.1
(M 2.2)	4		1.5	±0.1	4		1.5	±0.1
M 2.5	4.5		1.7	±0.1	4.5		1.7	±0.1
M 3	5.5		2	±0.15	5.5		2	±0.15
(M 3.5)	6		2.3	±0.15	6		2.3	±0.15
M 4	7		2.6	±0.15	7		2.6	±0.15
(M 4.5)	8		2.9	±0.15	8		3	±0.15
M 5	9		3.3	±0.15	9		3.4	±0.15
M 6	10.5		3.9	±0.2	10.5		4	±0.2
M 8	14		5.2	±0.2	14		5.4	±0.2



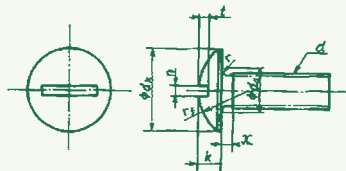
Flat Head & Oval Head 沉頭、扁圓沉頭

JIS B1101-1996
unit : mm

Head Type Designation of thread (d)	Flat Head				Oval Head			
	dk	Tol.	k	Tol.	dk	Tol.	k+f	Tol.
M1	2	0-0.3	0.6	0-0.1	2	0-0.3	0.8	0-0.2
M1.2	2.4	0-0.3	0.8	0-0.1	2.4	0-0.3	1	0-0.3
(M1.4)	2.8	0-0.3	0.85	0-0.1	2.8	0-0.3	1.15	0-0.3
M1.6	3.2	0-0.4	0.95	0-0.1	3.2	0-0.4	1.3	0-0.3
M2	4	0-0.4	1.2	0-0.2	4	0-0.4	1.6	0-0.4
(M2.2)	4.4	0-0.4	1.3	0-0.2	4.4	0-0.4	1.8	0-0.4
M2.5	5	0-0.4	1.45	0-0.2	5	0-0.4	2	0-0.4
M3	6	0-0.5	1.75	0-0.3	6	0-0.5	2.45	0-0.5
(M3.5)	7	0-0.5	2	0-0.3	7	0-0.5	2.8	0-0.5
M4	8	0-0.5	2.3	0-0.3	8	0-0.5	3.2	0-0.5
(M4.5)	9	0-0.6	2.55	0-0.3	9	0-0.6	3.55	0-0.5
M5	10	0-0.6	2.8	0-0.3	10	0-0.6	4	0-0.5
M6	12	0-0.7	3.4	0-0.4	12	0-0.7	4.8	0-0.6
M8	16	0-0.8	4.4	0-0.4	16	0-0.8	6.2	0-0.6



Binding Head

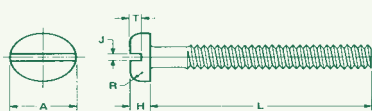


Truss Head

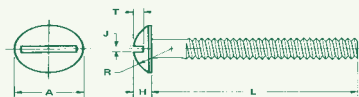
Binding Head & Truss Head 盆圓頭、扁圓頭

JIS B1101
unit : mm

Head Type Designation of thread (d)	Binding Head				Truss Head			
	dk	Tol.	k+f	Tol.	dk	Tol.	k	Tol.
M2	4.3	0-0.4	1.2	±0.15	4.5	0-0.4	1.2	±0.1
(M2.2)	4.7	0-0.4	1.3	±0.15	5	0-0.4	1.3	±0.1
M2.5	5.3	0-0.4	1.5	±0.15	5.7	0-0.4	1.5	±0.1
M3	6.3	0-0.5	1.9	±0.15	6.9	0-0.5	1.9	±0.15
(M3.5)	7.3	0-0.5	2.2	±0.2	8.1	0-0.5	2.2	±0.15
M4	8.3	0-0.5	2.5	±0.2	9.4	0-0.5	2.5	±0.15
(M4.5)	9.3	0-0.6	2.8	±0.2	10.6	0-0.6	2.8	±0.15
M5	10.3	0-0.6	3.1	±0.2	11.8	0-0.6	3.1	±0.15
M6	12.4	0-0.7	3.7	±0.2	14	0-0.7	3.7	±0.2
M8	16.4	0-0.8	4.8	±0.8	17.8	0-0.8	4.8	±0.2



Pan Head

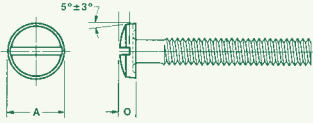


Truss Head

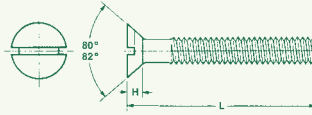
Pan Head and Truss Head 盆頭、扁圓頭

ANSI B 18.6.3 1972
unit : inch

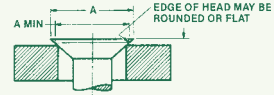
Nominal Size or Basic Screw Diameter		Pan Head				Truss Head			
		Head Diameter A		Head Height H		Head Diameter A		Head Height H	
		Max	Min	Max	Min	Max	Min	Max	Min
0000	0.0210	0.042	0.036	0.016	0.010	0.049	0.043	0.014	0.010
000	0.0340	0.066	0.060	0.023	0.017	0.077	0.071	0.022	0.018
00	0.0470	0.090	0.082	0.025	0.032	0.106	0.098	0.030	0.024
#0	0.0600	0.116	0.104	0.039	0.031	0.131	0.119	0.037	0.029
#1	0.0730	0.142	0.130	0.046	0.038	0.164	0.149	0.045	0.037
#2	0.0860	0.167	0.155	0.053	0.045	0.194	0.180	0.053	0.044
#3	0.0990	0.193	0.180	0.060	0.051	0.226	0.211	0.061	0.051
#4	0.1120	0.219	0.205	0.068	0.058	0.257	0.241	0.069	0.059
#5	0.1250	0.245	0.231	0.075	0.065	0.289	0.272	0.078	0.066
#6	0.1380	0.270	0.256	0.082	0.072	0.321	0.303	0.086	0.074
#8	0.1640	0.322	0.306	0.096	0.085	0.384	0.364	0.102	0.088
#10	0.1900	0.373	0.357	0.110	0.099	0.448	0.425	0.118	0.103
#12	0.2160	0.425	0.407	0.125	0.112	0.511	0.487	0.134	0.118
1/4	0.2500	0.492	0.473	0.144	0.130	0.573	0.546	0.150	0.133
5/16	0.3125	0.615	0.594	0.178	0.162	0.698	0.666	0.183	0.162
3/8	0.3750	0.740	0.716	0.212	0.195	0.823	0.787	0.215	0.191
7/16	0.4375	0.863	0.837	0.247	0.228	0.948	0.907	0.248	0.221
1/2	0.5000	0.987	0.958	0.281	0.260	1.073	1.028	0.280	0.250
9/16	0.5625	1.041	1.000	0.315	0.293	1.198	1.149	0.312	0.279
5/8	0.6250	1.172	1.125	0.350	0.325	1.323	1.269	0.345	0.309
3/4	0.7500	1.435	1.375	0.419	0.390	1.573	1.511	0.410	0.368



Binding Head



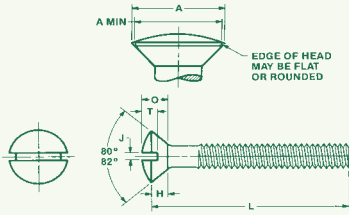
Flat Head



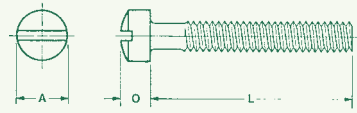
Binding Head and Flat Head 盆圓頭、沉頭

ANSI B 18.6.3 1972
unit : inch

Nominal Size or Basic Screw Diameter		Binding Head				Flat Head			
		Head Diameter, A		Head Height, O		These Lengths or Shorter are Undercut L	Head Diameter A		Head Height, H
		Max	Min	Max	Min		Max, Edge Sharp	Min, Edge Rounded or Flat	
0000	0.0210	0.046	0.040	0.140	0.009	-	0.043	0.037	0.011
000	0.0340	0.073	0.067	0.021	0.015	-	0.064	0.058	0.016
00	0.0470	0.098	0.090	0.028	0.015	-	0.092	0.076	0.028
#0	0.0600	0.126	0.119	0.032	0.026	1/8	0.119	0.099	0.035
#1	0.0730	0.153	0.145	0.041	0.035	1/8	0.146	0.123	0.043
#2	0.0860	0.181	0.171	0.050	0.043	1/8	0.172	0.147	0.051
#3	0.0990	0.208	0.197	0.059	0.052	1/8	0.199	0.171	0.059
#4	0.1120	0.235	0.223	0.068	0.061	3/16	0.225	0.195	0.067
#5	0.1250	0.263	0.249	0.078	0.069	3/16	0.252	0.220	0.075
#6	0.1380	0.290	0.275	0.087	0.078	3/16	0.279	0.244	0.083
#8	0.1640	0.344	0.326	0.105	0.095	1/4	0.332	0.292	0.100
#10	0.1900	0.399	0.378	0.123	0.112	5/16	0.385	0.340	0.116
#12	0.2160	0.454	0.430	0.141	0.130	3/8	0.438	0.389	0.132
1/4	0.2500	0.525	0.498	0.165	0.152	7/16	0.507	0.452	0.153
5/16	0.3125	0.656	0.622	0.209	0.194	1/2	0.635	0.568	0.191
3/8	0.3750	0.788	0.746	0.253	0.235	9/16	0.762	0.685	0.230
7/16	0.4375	-	-	-	-	5/8	0.812	0.723	0.223
1/2	0.5000	-	-	-	-	3/4	0.875	0.775	0.223
9/16	0.5625	-	-	-	-	-	1.000	0.889	0.260
5/8	0.6250	-	-	-	-	-	1.125	1.002	0.298
3/4	0.7500	-	-	-	-	-	1.375	1.230	0.372



Oval Head



Fillister Head

Oval head and Fillister Head 扁圓沉頭、圓頂平頭

ANSI B 18.6.3 1972
unit : inch

Nominal Size or Basic Screw Diameter	Oval Head						Fillister Head			
	These Lengths or Shorter are Undercut, L	Head Diameter, A		Total Head Height		Head Diameter, A		Head Height, O		
		Max, Edge Sharp	Min, Edge Rounded or Flat	Max	Min	Max	Min	Max	Min	
0000	0.0210	-	-	-	-	-	0.038	0.032	0.025	0.015
0000	0.0340	-	-	-	-	-	0.059	0.053	0.035	0.027
00	0.0470	-	0.093	0.083	0.042	0.034	0.082	0.072	0.047	0.039
#0	0.0600	1/8	0.119	0.099	0.056	0.041	0.096	0.083	0.055	0.047
#1	0.0730	1/8	0.146	0.123	0.068	0.052	0.118	0.104	0.066	0.058
#2	0.0860	1/8	0.172	0.147	0.080	0.063	0.14	0.124	0.083	0.066
#3	0.0990	1/8	0.199	0.171	0.092	0.073	0.161	0.145	0.095	0.077
#4	0.1120	3/16	0.225	0.195	0.104	0.084	0.183	0.166	0.107	0.088
#5	0.1250	3/16	0.252	0.22	0.116	0.095	0.205	0.187	0.12	0.1
#6	0.1380	3/16	0.279	0.244	0.128	0.105	0.226	0.208	0.132	0.111
#8	0.1640	1/4	0.332	0.292	0.152	0.126	0.27	0.250	0.156	0.133
#10	0.1900	5/16	0.385	0.34	0.176	0.148	0.313	0.292	0.18	0.156
#12	0.2160	3/8	0.438	0.389	0.200	0.169	0.357	0.334	0.205	0.178
1/4	0.2500	7/16	0.507	0.452	0.232	0.197	0.414	0.389	0.237	0.207
5/16	0.3125	1/2	0.635	0.568	0.290	0.249	0.518	0.490	0.295	0.262
3/8	0.3750	9/16	0.762	0.685	0.347	0.300	0.622	0.590	0.355	0.315
7/16	0.4375	5/8	0.812	0.723	0.345	0.295	0.625	0.589	0.368	0.321
1/2	0.5000	3/4	0.875	0.775	0.354	0.299	0.75	0.710	0.412	0.362
9/16	0.5625	-	1	0.889	0.410	0.350	0.812	0.768	0.466	0.41
5/8	0.6250	-	1.125	1.002	0.467	0.399	0.875	0.827	0.521	0.461
3/4	0.7500	-	1.375	1.23	0.578	0.497	1	0.945	0.612	0.542