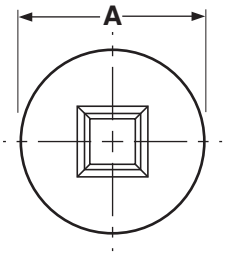
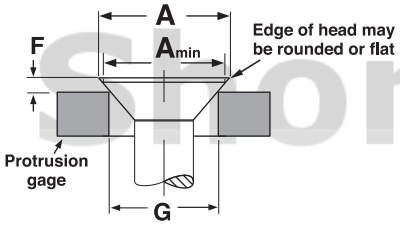
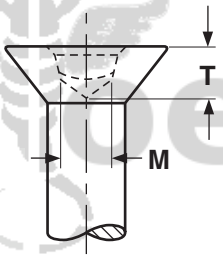
HEAD DIMENSIONS

Square; Flat & Pan





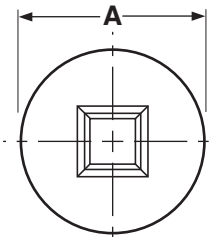


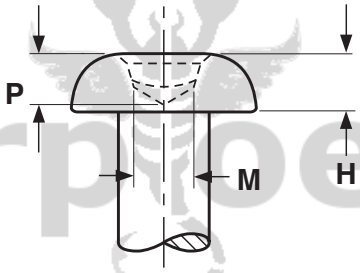
Square Recess Flat Heads

ASME B18.6.3—2013

Nominal Size or Basic Screw Diameter		A Head Diameter Max	A Head Diameter Min	M Recess Across the Flats Ref	F Protrusion Above Gaging Diameter Max	F Protrusion Above Gaging Diameter Min	G Gaging Diameter	T Recess Penetration Gaging Depth Max	T Recess Penetration Gaging Depth Min	Driver Size
4	.1120	.212	.191	.070	.032	.019	0.172	.038	.028	0
6	.1380	.262	.238	.091	.036	.021	0.220	.055	.040	1S
8	.1640	.312	.285	.112	.039	.023	0.267	.063	.048	2S
10	.1900	.362	.333	.112	.042	.025	0.313	.075	.060	2R
12	.2160	.412	.380	.133	.045	.027	0.362	.095	.080	3R
14	.2420	.462	.427	.133	.050	.029	0.410	.095	.080	3R
1/4	.2500	.477	.442	.133	.050	.029	0.424	.095	.080	3R
5/16	.3125	.597	.556	.191	.057	.034	0.539	.100	.085	4R

This type of recess has a square center opening, slightly tapered side walls and a conical bottom.





Square Recess Pan Heads for Self-Tapping Screws

ASME B18.6.3—2013

Nominal Size or Basic Screw Diameter		A Head Diameter Max	A Head Diameter Min	H Head Height Max	H Head Height Min	M Recess Across Flats Ref	Driver Size	P Penetrating Gauging Depth Max	P Penetrating Gauging Depth Min
2	.0860	.167	.155	.062	.053	.050	00	.033	.028
4	.1120	.219	.205	.080	.070	.070	0	.038	.028
6	.1380	.270	.256	.097	.087	.091	1R	.065	.050
8	.1640	.322	.306	.115	.105	.112	2R	.075	.060
10	.1900	.373	.357	.133	.122	.112	2R	.075	.060
12	.2160	.425	.407	.151	.139	.133	3R	.095	.080
14	.2420	.476	.457	.169	.156	.133	3R	.095	.080
1/4	.2500	.492	.473	.175	.162	.133	3R	.095	.085

This type of recess has a square center opening, slightly tapered side walls and a conical bottom.