National Rivet Oval and Truss Head Standards


OVAL


TRUSS

When length is more than 8 times the body diameter more length tolerance is needed. (All dimensions shown in inches.)

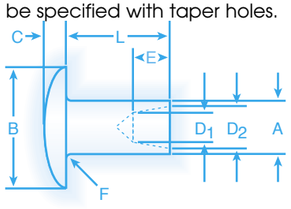
National Rivet Part Number	Truss or Oval Head Style	Body Diameter (A)	Head Diameter (B)	Head Thickness (C)	Length Tolerance	Taper Hole Diameter D-1	Taper Hole Diameter D-2	Hole Depth (E)	Straight Hole Diameter D-3	Hole Depth Tolerance	Under-Head Radius (F)	Work Hole Diameter	Clinch Allowance
AAA-1	Oval	.046/.049	.080±.003	.012±.002	±.003	.031	.036	.035	.035	±.003	.003	.052	.028
AA-1	Oval	.058/.061	.109±.005	.017±.002	±.006	.039	.045	.043	.043	±.006	.005	.064	.037
AA-2	Truss	.058/.061	.125±.005	.017±.002	±.006	.039	.045	.043	.043	±.006	.005	.064	.037
AB-1	Oval	.085/.089	.147±.005	.023±.003	±.008	.058	.067	.064	.064	±.008	.010	.096	.054
AB-8	Truss	.085/.089	.187±.005	.023±.003	±.008	.058	.067	.064	.064	±.008	.012	.096	.054
BC-1	Oval	.095/.099	.187±.005	.029±.003	±.008	.065	.075	.071	.071	±.008	.012	.107	.060
C-1	Oval	.118/.123	.218±.005	.034±.004	±.010	.080	.093	.089	.089	±.010	.015	.129	.074
C-4	Truss	.118/.123	.281±.005	.034±.004	±.010	.080	.093	.089	.089	±.010	.015	.129	.074
C-7	Oval	.118/.123	.250±.005	.034±.004	±.010	.080	.093	.089	.089	±.010	.015	.129	.074
D-1	Oval	.141/.146	.234±.005	.042±.004	±.010	.096	.111	.106	.106	±.010	.020	.156	.088
D-3	Truss	.141/.146	.312±.005	.042±.004	±.010	.096	.111	.106	.106	±.010	.020	.156	.088
D-22	Oval	.141/.146	.250±.005	.046±.004	±.010	.096	.111	.106	.106	±.010	.020	.156	.088
DF-9	Truss	.150/.156	.375±.005	.062±.004	±.010	.102	.118	.113	.113	±.010	.020	.166	.097
DF-11	Oval	.150/.156	.312±.005	.046±.004	±.010	.102	.118	.113	.113	±.010	.020	.166	.097
E-1	Oval	.182/.188	.312±.005	.062±.004	±.010	.124	.143	.137	.137	±.010	.025	.199	.122
E-3	Truss	.182/.188	.375±.006	.062±.004	±.010	.124	.143	.137	.137	±.010	.025	.199	.122
E-5	Truss	.182/.188	.500±.010	.062±.005	±.010	.124	.143	.137	.137	±.010	.025	.199	.122
G-1	Truss	.244/.252	.500±.010	.098±.005	±.010	.166	.192	.183	.182	±.015	.030	.265	.164
G-4	Oval	.244/.252	.437±.010	.078±.005	±.010	.166	.192	.183	.182	±.015	.030	.265	.164
G-11	Truss	.244/.252	.500±.010	.078±.005	±.010	.166	.192	.183	.182	±.015	.030	.265	.164
T-2	Oval	.302/.310	.562±.010	.093±.005	±.015	.205	.237	.227	.227	±.015	.030	.332	.203

NATIONAL RIVET PART NUMBERS

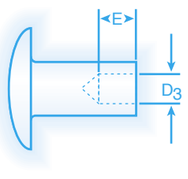
Part No. C1-10-ST: C1=Rivet Style (with straight hole), 10 = length in 32nds (10/32 or 5/16 long), ST=semi-tubular.

Part No. TC1-10-ST: The prefix "T" before the style No. (C1) indicates rivet with taper hole.

Note: Aluminum, stainless and brass rivets should normally be specified with taper holes.



TAPER HOLE



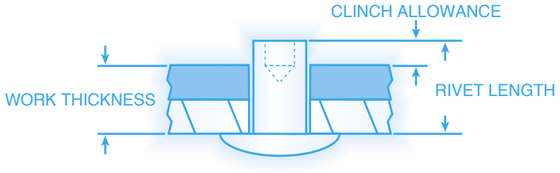
STRAIGHT HOLE

DETERMINING LENGTH AND DIAMETER

Example: To determine the length of a 1/8" diameter (C1 style) rivet for two parts each of which are .093" thick.

Total work thickness (2x.093"). 186
Clinch allowance (for C1) 074
Total. 260
Rivet length (nearest fraction) = .265 17/64"

Note: Variations in materials or conditions of assembly may require deviations from the above. To be sure, submit sample parts for test assembly.



OTHER POPULAR HEAD STYLES


FLAT COUNTERSUNK


FLAT CHAMFERED COUNTERSUNK


UNIVERSAL


FLAT