


















RIVETKING® PICTORIAL TABLE OF CONTENTS


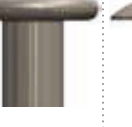
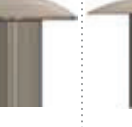
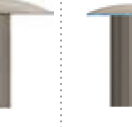
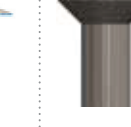

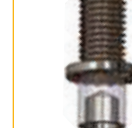
SEMI TUBULAR RIVETS

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SOLID RIVETS: STEEL, BRASS, STAINLESS, COPPER AND MONEL

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ALUMINUM RIVETS

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VARIOUS SPECIALS

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RETAINER LOCK PINS

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SETTING EQUIPMENT

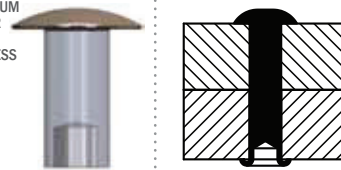
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RIVETKING® RIVET TYPES

SEMI TUBULAR OVAL/ TRUSS HEAD

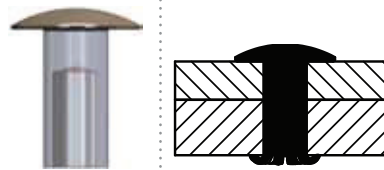
- STEEL
- ALUMINUM
- COPPER
- BRASS
- STAINLESS STEEL



To permanently fasten assemblies of metal, wood, plastic, ceramic, leather or composition materials with pre-punched or pre-drilled holes. Provides high strength and low unit cost. Fast easy clinching on high speed, automatic feed riveting machines provide high productivity using unskilled labor for a low installed cost.

PAGES 03,04,06

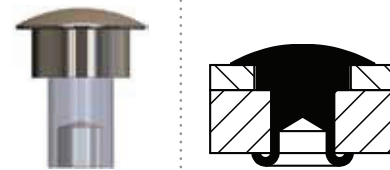
SEMI TUBULAR DEEP-HOLE



To permanently fasten two or more pieces to relatively soft materials such as leather, cardboard, canvas, rubber, plastics or other similar materials with the rivet normally punching its own hole. Eliminates the cost of pre-punching or pre-drilling holes, which together with low unit cost and fast easy clinching on high speed automatic feed riveting machines, means high productivity and lowest total cost.

PAGE 02

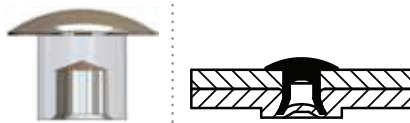
SEMI TUBULAR SHOULDER RIVET



To permanently fasten assemblies of metal, wood, plastic, ceramic, leather or composition materials with pre-punched or pre-drilled holes. Provides high strength and low unit cost. Fast easy clinching on high speed, automatic feed riveting machines provide high productivity using unskilled labor for a low installed cost.

PAGES 02,03,04

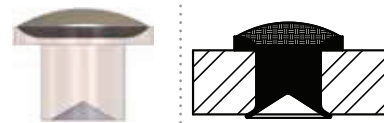
METAL PIERCING



To join two or more sections of a sheet metal assembly permanently and without pre-punching or pre-drilling holes. Eliminates the cost of pre-punching or pre-drilling holes and reduces material handling. Low unit cost and applied by high speed automatic feed riveting machines to further reduce assembly time and cost. Setting can provide a leakproof seal.

PAGE 11

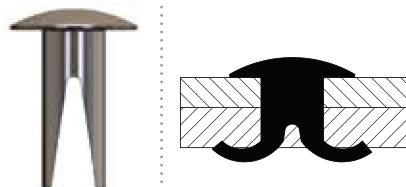
SEMI TUBULAR ELECTRICAL CONTACT



To act as an electrical contact. Electrical contact rivets can be made with precious metals such as gold, silver, platinum, copper as well as silver-cadmium oxide materials. The manufacturing method is extremely economical because the contact face can be produced of high performance precious metals while the shank can be made of lower cost metals. Also known as Bi-Metal or Tri-Metal rivets.

PAGE 11

SPLIT RIVETS (BIFURCATED)



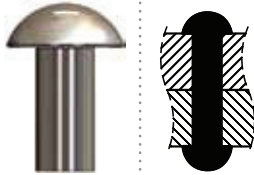
Split rivets are typically used in the luggage, case and leather goods industries to fasten soft materials such as plastics, animal hide and wood. With automatic setting equipment it can pierce through soft materials without a pre-punched hole. Typically offered in Steel or Brass material with a host of metal finishes such as zinc, nickel, or brass plating.

PAGES 02,03,11

SOLID RIVETS

SOLID SMALL DIAMETER:

- STEEL
- ALUMINUM
- COPPER
- BRASS
- STAINLESS STEEL



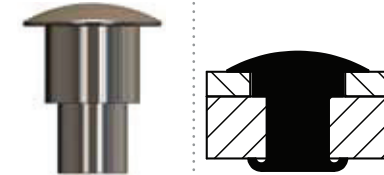
SOLID LARGE DIAMETER:

- STEEL ONLY

To permanently fasten two or more pieces of metal with pre-punched or pre-drilled holes. Worked end of rivet may be spun to produce a finished appearance matching the head of the rivet.

PAGES 03,14,15

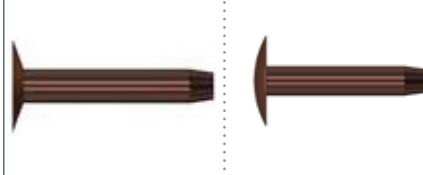
SOLID SHOULDER RIVET



To act as a pivot, hinge pin or slide pin. Lower unit cost than similar screw machine parts and with the added benefit of being set on automatic feed riveting machines for minimal overall cost. Tenon may be completely solid or Semi Tubular as shown.

PAGES 02,03

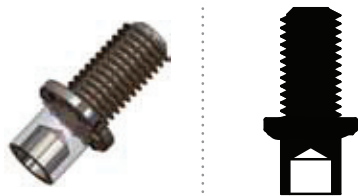
COPPER BELT/ TRUNK RIVETS



Belt Rivets are used to repair antique machine belts. Trunk Rivets were once used as a way to rivet luggage, trunks or large cases. Both are also used in various decorative applications. They can be peened with a hammer or used together with a special washer called a riveting burr.

PAGE 20

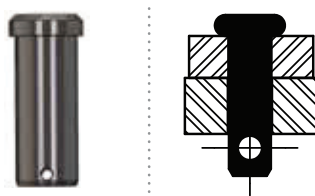
COLLAR RIVETS



To act as a guide peg or anchor stud for a pivoting assembly. May be supplied completely solid or Semi Tubular as shown. Can be applied/ fed with auto feed machines.

PAGES 01,02

CLEVIS PIN (CROSS DRILLED)



To act as a hinge pin or a semi-permanent fastener where the strength of a permanent fastener is required. Generally secured with a cotter pin.

PAGES 01,02

LOCK PINS

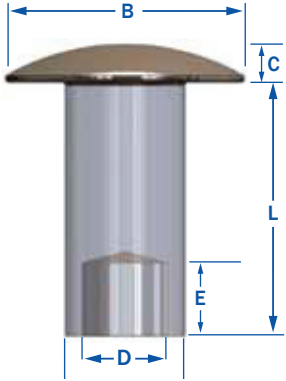

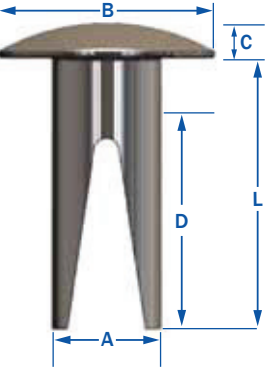
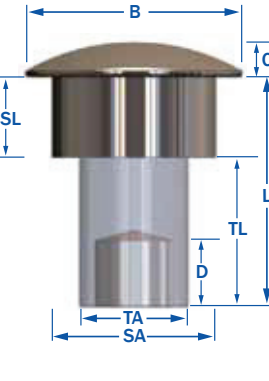


Used to secure the latch on a hitch assembly for tractors, trucks or trailers. Offered with or without a vinyl coated steel lanyard. Available in Steel with Zinc or high salt spray Zinc Nickel Plating.

PAGE 02



RIVETKING® RIVET TYPES - GENERAL SPECIFICATIONS

SEMI TUBULAR	SOLID	BIFURCATED	SHOULDER
			
<p>A — BODY DIAMETER B — HEAD DIAMETER C — HEAD THICKNESS D — HOLE DEPTH TO APEX L — RIVET LENGTH</p>	<p>A — BODY DIAMETER B — HEAD DIAMETER C — HEAD THICKNESS L — RIVET LENGTH</p>	<p>A — BODY DIAMETER B — HEAD DIAMETER C — HEAD THICKNESS D — HOLE DEPTH L — RIVET LENGTH</p>	<p>B — HEAD DIAMETER C — HEAD THICKNESS SL — SHOULDER LENGTH TL — TENON LENGTH SA — SHOULDER DIAMETER TA — TENON DIAMETER D — HOLE DEPTH TO APEX L — RIVET LENGTH</p>

HOW TO USE

<p>Semi Tubular rivets can be used to join two or more pre-drilled or pre-punched components.</p> <p>It is most economically set with an autofeed riveting machine</p>	<p>Used to join two or more pre-drilled or pre-punched components. Offered in a full range of diameters and lengths.</p> <p>Also can be used as a pin.</p>	<p>Used to permanently join soft material such as leather to fiber, rubber, wood, canvas and some plastics.</p>	<p>Used when a rivet or post is desired that is permanent by fastening and function as pivots. Ideal for applications on жалюзи, baby carriages, pulleys, shelving and automotive parts.</p>
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HOW TO CLINCH

<p>Use a roll or scored clinch. A roll clinch is stronger. For a uniform appearance, a cap may be used on the clinched end.</p>	<p>Can be impact set on a press or auto feed riveting machine. Can also be set on radial forming machines.</p>	<p>With anvils that spread the prongs flush with material or turned into the material. Can be used with caps or against washers to prevent clinch from tearing loose.</p>	<p>Clinching is similar to Semi Tubular rivet. Roll clinch or scored clinch. The roll clinch is stronger.</p>
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ADVANTAGES

<p>High shear strength of solid rivet combined with ease of clinching on automatic, pneumatic and manually operated rivet setting machines.</p>	<p>Offered in diameters from 1/32" to 1". Length possibilities are unlimited. Offers the highest shear strength of any fastener and has excellent clamp up force. Used in applications from small electronics to bridge building.</p>	<p>Eliminate the cost of pre-punching or pre-drilling of holes in material without weakening the assembly by removing of material.</p>	<p>Shoulder rivets combine low cost with ease of assembly for permanent fastening with automatic rivet setting machines.</p>
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GENERAL— These Semi Tubular rivet standards cover the complete general and dimensional data for oval head, truss head, flat head, 90° and 120° countersunk head rivets.

The inclusion of dimensional data in this standard is not intended to imply that all of the products described are stock production sizes.

HEADS— The bearing surface of flat, oval, and truss head rivets shall be at right angles to the axis of the body within 2°. Heads of all Semi Tubular rivets shall not be eccentric with the shank beyond a tolerance of 3% of the maximum head diameter. Because the heads are not machined or trimmed, the circumference may be slightly irregular and the edges rounded or flat.

UNDERHEAD FILLETS— Rivets, other than countersunk type, shall be furnished with a definite fillet under the head but radius of fillet shall not exceed 10% of maximum shank diameter.

MATERIAL— Semi Tubular rivets shall be low carbon steel, or brass, standard with manufacturer; or stainless steel, aluminum, copper or other metals as agreed upon between the purchaser and supplier.

LENGTH— Length of rivets shall be measured as indicated in the illustrations for each head style. Semi Tubular rivets are available in length increments specified.

WORKMANSHIP— Semi Tubular rivet end irregularities shall not be such that usability of rivet is impaired. Rivets shall be free from surface seams, splits, and all other defects that might affect their serviceability.



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RIVETKING[®] SMALL DIAMETER SOLID RIVETS

SOLID RIVETS

**WHEN IT DOESN'T HAVE TO COME APART
A RIVET IS YOUR MOST LOGICAL FASTENER, HERE'S WHY...**

ONE OF THE LOWEST COST FASTENERS

Rivets are used in many major consumer and industrial products made today. Designers and production people have long recognized that riveting is one of the least expensive and most versatile assembly methods available to them.

CAN BE USED WITH MOST ANY MATERIAL

Rivets have been successfully set in wood, metals, plastics, fiberboard, cloth and ceramics. It's a strong fastener. All other things being equal, no other fastener - for it's size and simplicity - can equal the shear strength of a rivet.

CAN BE USED FOR MANY PURPOSES

Rivets are not only used to fasten two or more parts but often provide a dual function. They have been used as pivots, hinges, levers, terminals, electrical contacts, cam followers, for decoration and in hundreds of other ways. The only limiting factor to the use of rivets is the designer's imagination.

AVAILABLE IN A GREAT VARIETY OF FINISHES

They can be made from copper, brass, steel, aluminum, stainless steel and any material that can be cold-heated. If color is desired, they are plated, Japanned or painted.

IS A LOW COST PRODUCTION METHOD

Compared to other assembly machines, rivet setting equipment is lowest in cost. Since the riveting operation is automatic, non-skilled operators can quickly perform the work and lengthy training is not necessary.

IT'S GEARED TO MOST PRODUCTION REQUIREMENTS

Depending on the assembly, rivets can be set at extremely high speeds or to meet the optimum production capabilities of the operator. Machines have been built to feed several parts of the assembly simultaneously and to achieve most any degree of mechanization necessary.

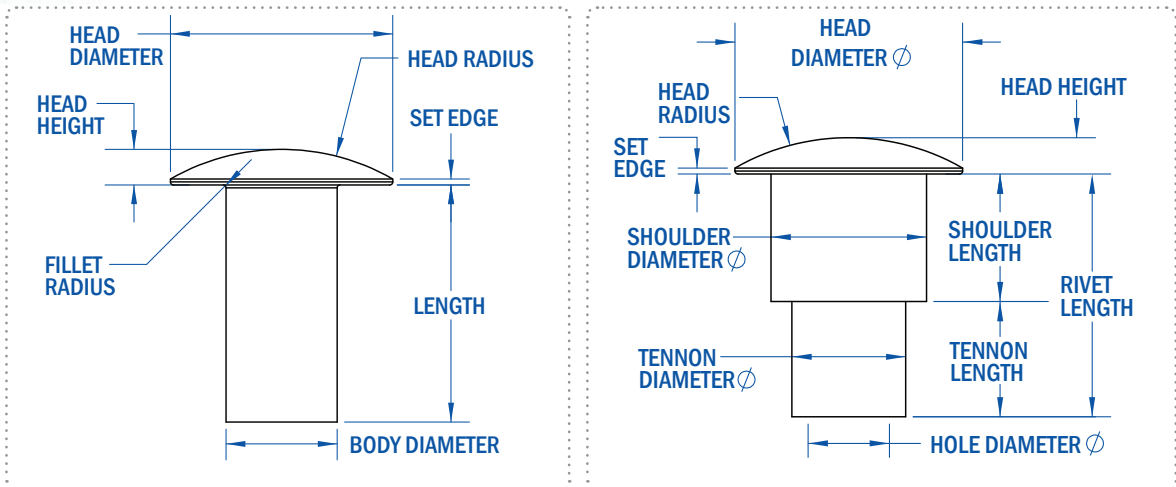
SOME LIMITATIONS

Tensile and fatigue strengths are lower than bolts. High tensile loads and extreme vibrations can pull out the set.

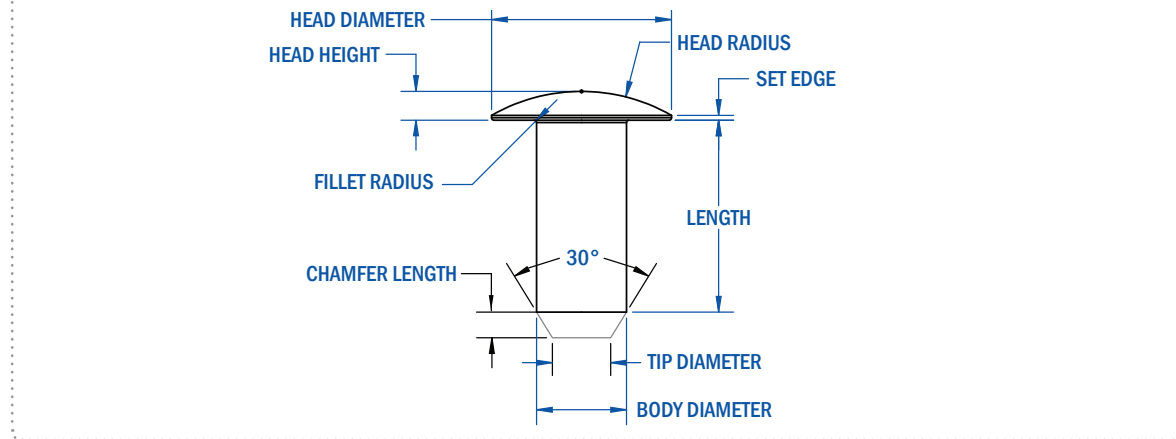
Once set with rivets, an assembly cannot be easily disassembled for maintenance purposes.

While rivets can be made to close tolerances, they are not usually as highly a precision fastener as a screw machined part might be. Where rivets are required for highly critical assemblies, consult our sales department.

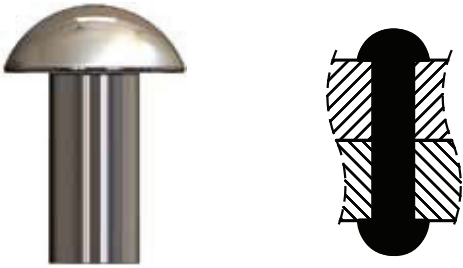
ANATOMY OF THE SOLID RIVET



OPTIONAL CHAMFER POINTS



RIVETKING® COLD HEADED SOLID RIVETS



The popular use of mechanical fasteners in the fabrication of all types of metal structures continues because of the rivet's relative design simplicity, low cost, and ease of assembly. The cold headed solid rivet is a unique one-piece fastener that offers advantages and properties found in no other connection system:

- A connection stronger than the material being riveted and stronger than the rivet itself
- Remarkable uniform results from fastener to fastener
- Energy savings
- Lower house cleaning cost – no stubs, washers or discards
- Noise pollution reduced – no loud pneumatic bucking tools

The rivet is cold-worked from low carbon steel, then cold-driven in the piece with one quick, quiet squeeze of a hydraulic piston. The rivet actually over-fills the rivet hole, rounding out the sharp edges and results in a superior connection. Sharp hole edges are the main cause of connection failure when fatigue loading is applied. This should be of particular interest to the design engineer.

Shear movement is eliminated. The rivet system overfills and actually expands the rivet hole. In short, the properly driven rivet is so tight that it acts almost as a dowel. It can only be removed by drilling and collapsing.

Cold driving a conventional un-heated rivet pushes the rivet shank through the head. Consequently, to relieve stress it must be annealed.

THE POWER REQUIREMENTS

The power requirements to produce cold-made rivets increase in direct proportion to the shank area. This factor escalates by squaring the cross-section diameter. These power requirements increase markedly with rivet size. The possibility of grain growth in annealing the metal becomes proportionately greater due to these higher stresses. Cold-driving conventional rivets over 1/2" in diameter is not recommended.

STANDARD RIVET-HOLE DRILL SIZES & NOMINAL HOLE DIAMETERS

RIVET SIZE, INCHES	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"
DRILL NUMBER	51	41	30	21	11	F	P	W
NOMINAL HOLE DIA., INCHES	0.067	0.096	0.1285	0.159	0.191	0.257	0.323	0.386

Engineering practices for installation of rivets (reference only)

NOTES: Hole tolerance to be established by user company

PRESSURES TO DRIVE RIVETS

Recommendation of Safe Practice to Form Steel Rivet Heads

DIAMETER	TONS PRESSURE COLD	TONS PRESSURE HOT
3/16"	4.5	-
1/4"	7	-
5/16"	12	-
3/8"	16	-
7/16"	22	-
1/2"	29	13
5/8"	44	19
3/4"	64	28
7/8"	87	38
1"	112	50
1-1/8"	-	63
1-1/4"	-	77

MANUFACTURED HEADS

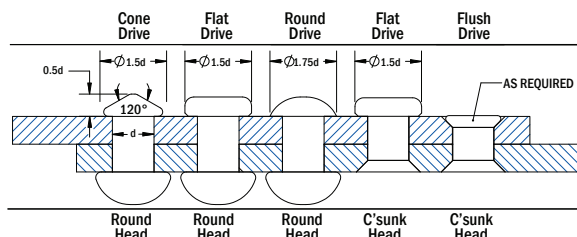
The driven heads represent what is considered good practice for riveting. Rivets used for cold riveting should be cold formed and must be annealed after forming before driving.

The pressure required to cold form the heads will, of course, depend on the material in the rivet. For the commonly used carbon steel rivet, the above listed pressures are needed.

FORMULA:

$$DIA^2 \times 88.36 = \text{TONS OF PRESSURE TO DRIVE RIVETS}$$

DRIVEN HEADS



PURPOSE AND QUALITY OF THE RIVET

The rivet has been an important part of construction and metal fabrication for many years. The use of rivet technology has many advantages and remains a popular mechanical fastener because:

- It offers multi-faceted applications
- It allows high production rates
- It is a permanent fastener
- Can be used on assemblies of varying complexities
- It is easy to inspect
- It requires no maintenance
- It is a low cost fastener
- Its simple, one piece design

JOINT STRENGTH, SHEAR STRENGTH

Shearing is one of the recognized causes of failure in a connected metal joint. If the area is not quite filled by the fastener in its hole, movement (moment) is possible – particularly in non-static connections. This is the beginning point of shear failure. Factors to consider when calculating shear are: Strength of the metal shank of the fastener, the number of planes upon which shear occurs, and the diameter of the "in place" fastener. In rivets this latter dimension can vary with the conditions prevailing in the joint construction such as driving pressure and temperature, tooling, alignment and other closure elements.

BEARING STRENGTH

The more the fastened joint is subject to bearing forces, the more hole-filling becomes desirable since bearing failure calculations consider the size of the fastener hole. By filling (or over-filling) the hole, compressive distortion force is transmitted into the connected material. As a result, either tear-out of the plate edge or progressive elongation of the grip dimension may occur.

TENSILE STRENGTH

Rivets are not recommended for transmitting loads in tension. Permanent failure may result when loads exert movements that cause a prying action on the head of a rivet. Tensile load stress should be kept at a minimum when using rivets.

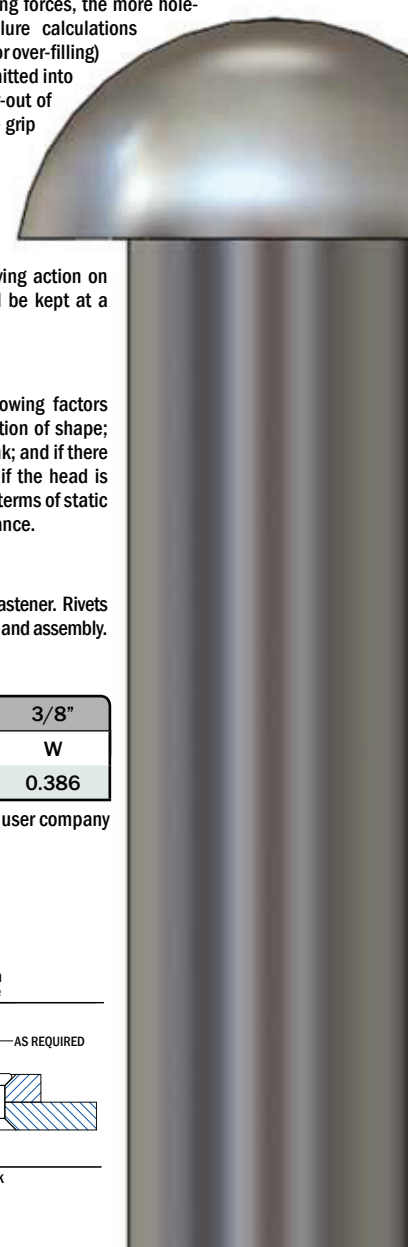
RIVET INSPECTION

When inspecting a driven rivet, take the following factors into consideration: the dimensions and perfection of shape; whether the driven head is coaxial with the shank; and if there is excessive cracking of the head. Note: Even if the head is severely cracked, the rivet still is satisfactory in terms of static strength, fatigue strength, and corrosion resistance.

RIVET HISTORY

The rivet is a reliable and effective mechanical fastener. Rivets are a suitable fastener when used for construction and assembly.

SOLID RIVETS



Call Rivet USA (a division of Cardinal Components) to Order or for Quote

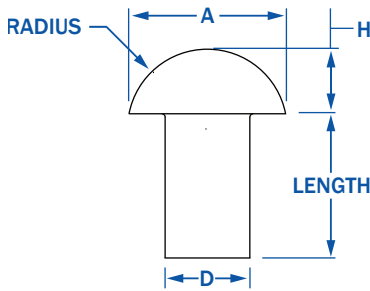
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RIVETKING® SMALL DIAMETER SOLID RIVET DIMENSION FOR STEEL, BRASS, COPPER, STAINLESS AND MONEL

IFI STANDARD

SOLID RIVETS

ROUND HEAD RIVETS

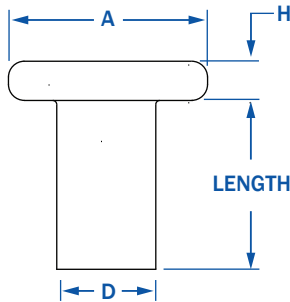


APPROXIMATE PROPORTIONS:
 A = 1.750 X D
 H = 0.750 X D
 R = 0.885 X D

NOMINAL	D DIAMETER OF BODY			A HEAD DIAMETER			H HEAD HEIGHT			R HEAD RADIUS	L LENGTH UNDER HEAD
	MAX.	MIN.		NOM.	MAX.	MIN.	NOM.	MAX.	MIN.		
3/32 - .094	0.096	0.090		0.166	0.182	0.162	0.071	0.077	0.065	0.084	ORDERED LENGTH UNDER HEAD TO END.
1/8 - .125	0.127	0.121		0.219	0.235	0.215	0.094	0.100	0.088	0.111	
5/32 - .156	0.158	0.152		0.273	0.290	0.268	0.117	0.124	0.110	0.138	
3/16 - .188	0.191	0.182		0.327	0.348	0.322	0.140	0.147	0.133	0.166	
7/32 - .219	0.222	0.213		0.385	0.405	0.379	0.165	0.172	0.158	0.195	
1/4 - .250	0.253	0.244		0.438	0.460	0.430	0.188	0.196	0.180	0.221	
9/32 - .281	0.285	0.273		0.492	0.518	0.484	0.211	0.220	0.202	0.249	
5/16 - .313	0.316	0.304		0.546	0.572	0.538	0.234	0.243	0.225	0.276	
11/32 - .344	0.348	0.336		0.600	0.630	0.592	0.257	0.267	0.247	0.304	
3/8 - .375	0.380	0.365		0.656	0.684	0.646	0.281	0.291	0.271	0.332	
7/16 - .438	0.443	0.428		0.765	0.798	0.754	0.328	0.339	0.317	0.387	

ALL DIAMETERS GIVEN IN INCHES

FLAT HEAD RIVETS

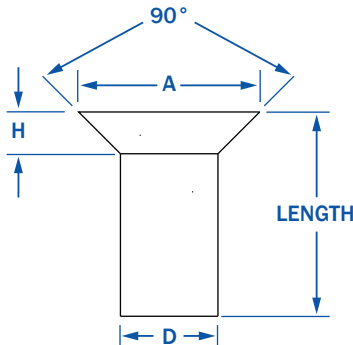


APPROXIMATE PROPORTIONS:
 A = 2.00 X D
 H = 0.33 X D

NOMINAL	D DIAMETER OF BODY			A HEAD DIAMETER			H HEAD HEIGHT			L LENGTH UNDER HEAD
	MAX.	MIN.		NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	
3/32 - .094	0.096	0.090		0.190	0.200	0.180	0.032	0.038	0.026	ORDERED LENGTH UNDER HEAD TO END.
1/8 - .125	0.127	0.121		0.250	0.260	0.240	0.042	0.048	0.036	
5/32 - .156	0.158	0.152		0.312	0.323	0.301	0.052	0.059	0.045	
3/16 - .188	0.191	0.182		0.374	0.387	0.361	0.062	0.069	0.055	
7/32 - .219	0.222	0.213		0.440	0.453	0.427	0.073	0.080	0.065	
1/4 - .250	0.253	0.244		0.500	0.515	0.485	0.083	0.091	0.075	
9/32 - .281	0.285	0.273		0.562	0.579	0.545	0.094	0.103	0.085	
5/16 - .312	0.316	0.304		0.624	0.641	0.607	0.104	0.113	0.095	
11/32 - .344	0.348	0.336		0.686	0.705	0.667	0.114	0.124	0.104	
3/8 - .375	0.380	0.365		0.750	0.769	0.731	0.125	0.135	0.115	
7/16 - .438	0.443	0.428		0.874	0.896	0.852	0.146	0.157	0.135	

ALL DIAMETERS GIVEN IN INCHES

90° COUNTERSUNK HEAD RIVETS

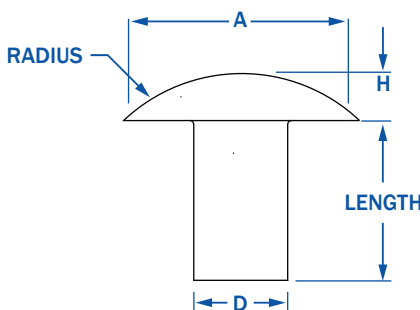


APPROXIMATE PROPORTIONS:
 A = 2.500 X D
 H = 0.330 X D
 R = 2.512 X D

NOMINAL	D DIAMETER OF BODY			A HEAD DIAMETER			H HEAD HEIGHT	INCLUDED ANGLE	L OVERALL LENGTH
	MAX.	MIN.		NOM.	MAX.	MIN.			
3/32 - .094	0.096	0.090		0.169	0.176	0.163	0.040	90	ORDERED LENGTH.
1/8 - .125	0.127	0.121		0.231	0.235	0.217	0.053	90	
5/32 - .156	0.158	0.152		0.289	0.293	0.272	0.066	90	
3/16 - .188	0.191	0.182		0.346	0.351	0.326	0.079	90	
7/32 - .219	0.222	0.213		0.407	0.413	0.384	0.094	90	
1/4 - .250	0.253	0.244		0.463	0.469	0.437	0.106	90	
9/32 - .281	0.285	0.273		0.520	0.528	0.491	0.119	90	
5/16 - .313	0.316	0.304		0.577	0.588	0.547	0.133	90	
11/32 - .344	0.348	0.336		0.635	0.646	0.602	0.146	90	
3/8 - .375	0.380	0.365		0.694	0.704	0.656	0.159	90	
7/16 - .438	0.443	0.428		0.808	0.823	0.765	0.186	90	

ALL DIAMETERS GIVEN IN INCHES

TRUSS HEAD RIVETS



APPROXIMATE PROPORTIONS:
 A = 1.850 X D
 H = 0.425 X D

NOMINAL SIZE OR BASIC SHANK DIAMETER	D SHANK DIAMETER		A HEAD DIAMETER		H HEAD HEIGHT		R HEAD RADIUS	L OVERALL LENGTH
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	APPROX.	
3/32 - .094	0.096	0.090	0.226	0.206	0.038	0.026	0.239	ORDERED LENGTH.
1/8 - .125	0.127	0.121	0.297	0.277	0.048	0.036	0.314	
5/32 - .156	0.158	0.152	0.368	0.348	0.059	0.045	0.392	
3/16 - .188	0.191	0.182	0.442	0.422	0.069	0.055	0.470	
7/32 - .219	0.222	0.213	0.515	0.495	0.080	0.066	0.555	
1/4 - .250	0.253	0.244	0.590	0.560	0.091	0.075	0.628	
9/32 - .281	0.285	0.273	0.661	0.631	0.103	0.085	0.706	
5/16 - .313	0.316	0.304	0.732	0.702	0.113	0.095	0.784	
11/32 - .344	0.348	0.336	0.806	0.776	0.124	0.104	0.862	
3/8 - .375	0.380	0.365	0.878	0.848	0.135	0.115	0.942	
13/32 - .406	0.411	0.396	0.949	0.919	0.145	0.123	1.028	
7/16 - .438	0.443	0.428	1.020	0.990	0.157	0.135	1.098	

ALL DIAMETERS GIVEN IN INCHES



RIVETKING® STEEL ROUND HEAD RIVET WEIGHT CHART

Pounds Per 1,000 Pieces

Available in: Steel, Brass, Copper, Stainless and Monel



To Find Pieces Per Pound:

Divide lbs. per thousand into 1,000. i.e. > Round Head
Steel 3/16 X 1/2; 1,000 / 6.07 = 165 pcs. per lb. to
determine the number of pieces per pound for materials
listed multiply steel count by factors indicated.

#2017 ALUM ALLOY	2.81
#6061 ALUM ALLOY	2.90
BRASS	1.082
COPPER	1.145
INCONEL	1.127
18 0/0 NICKEL SILVER	.90
MONEL	.89
HASTELLOY "C"	.88
STAINLESS STEEL 18-8	1.02
STAINLESS STEEL 400	1.00

SOLID RIVETS

LENGTH OF SHANK IN INCHES	7/16"	3/8"	5/16"	9/32"	1/4"	3/16"	5/32"	1/8"	3/32"
	.437	.375	.312	.281	.250	.187	.156	.125	.095
1/16								.87	.40
1/8								1.09	.53
3/16						3.66	2.29	1.31	.65
1/4				11.85	8.71	4.14	2.62	1.52	.77
5/16			17.01	12.93	9.57	4.62	2.96	1.74	.89
3/8		29.39	18.35	14.02	10.43	5.10	3.29	1.96	1.02
7/16	46.68	31.32	19.69	15.11	11.29	5.58	3.63	2.18	1.14
1/2	49.31	33.25	21.03	16.20	12.14	6.07	3.96	2.40	1.26
9/16	51.94	35.18	22.37	17.28	13.00	6.55	4.30	2.61	1.39
5/8	54.57	37.12	23.72	18.37	13.86	7.03	4.63	2.83	1.51
11/16	57.20	39.05	25.06	19.46	14.72	7.51	4.97	3.05	1.63
3/4	59.84	40.98	26.40	20.55	15.58	7.99	5.30	3.27	1.75
13/16	62.46	42.91	27.75	21.63	16.43	8.47	5.64	3.49	1.88
7/8	65.09	44.85	29.09	22.72	17.29	8.95	5.97	3.70	2.00
15/16	67.73	46.78	30.43	23.81	18.15	9.43	6.31	3.92	2.12
1	70.36	48.71	31.78	24.90	19.01	9.91	6.64	4.14	2.24
1/16	72.99	50.64	33.12	25.98	19.87	10.39	6.98	4.36	
1/8	75.62	52.57	34.46	27.07	20.73	10.87	7.31	4.58	
3/16	78.25	54.50	35.81	28.16	21.59	11.35	7.65	4.79	
1/4	80.88	56.44	37.15	29.25	22.45	11.83	7.98	5.01	
5/16	83.51	58.37	38.50	30.33	23.31	12.31	8.32	5.23	
3/8	86.14	60.30	39.84	31.42	24.17	12.79	8.65	5.45	
7/16	88.77	62.24	41.18	32.51	25.03	13.28	8.99	5.67	
1/2	91.41	64.17	42.53	33.60	25.88	13.76	9.32	5.89	
9/16	94.04	66.10	43.87	34.68	26.74	14.24	9.66	6.10	
5/8	96.67	68.03	45.21	35.77	27.60	14.72	9.99	6.32	
11/16	99.30	69.97	46.55	36.86	28.46	15.20	10.33	6.54	
3/4	101.94	71.90	47.90	37.95	29.32	15.68	10.66	6.76	
13/16	104.57	73.83	49.24	39.03	30.18	16.16	11.00	6.98	
7/8	107.20	75.77	50.58	40.12	31.04	16.64	11.33	7.19	
15/16	109.83	77.70	51.92	41.21	31.90	17.12	11.67	7.41	
2	112.46	79.63	53.27	42.30	32.75	17.60	12.00	7.63	
1/8	117.72	83.49	55.95	44.47	34.46	18.56	12.67	8.07	
1/4	122.99	87.36	58.64	46.65	36.18	19.52	13.34	8.50	
3/8	128.25	91.22	61.33	48.82	37.90	20.48	14.01	8.94	
1/2	133.51	95.09	64.02	51.00	39.62	21.45	14.68	9.38	
5/8	138.77	98.95	66.70	53.17	41.33	22.41	15.35	9.81	
3/4	144.04	102.82	69.39	55.35	43.05	23.37	16.02	10.25	
7/8	149.30	106.68	72.07	57.52	44.77	24.33	16.69	10.68	
3	154.56	110.55	74.76	59.70	46.49	25.29	17.36	11.12	
1/8	159.82	114.41	77.44	61.87	48.20	26.25			
1/4	165.09	118.28	80.13	64.05	49.92	27.21			
3/8	170.35	122.14	82.82	66.22	51.64	28.17			
1/2	175.61	126.01	85.51	68.40	53.36	29.14			
5/8	180.87	129.87	88.19	70.57	55.07	30.10			
3/4	186.14	133.74	90.88	72.75	56.79	31.06			
7/8	191.40	137.60	93.56	74.92	58.51	32.02			
4	196.66	141.47	96.25	77.10	60.23	32.98			
1/8	201.92	145.33	98.93	79.27	61.94	33.94			
1/4	207.19	149.20	101.62	81.45	63.66	34.90			
3/8	212.45	153.06	104.31	83.62	65.38	35.86			
1/2	217.71	156.93	107.00	85.80	67.10	36.83			
5/8	222.97	160.79	109.68	87.97	68.81	37.79			
3/4	228.24	164.66	112.37	90.15	70.53	38.75			
7/8	233.50	168.52	115.05	92.32	72.25	39.71			
5	238.76	172.39	117.74	94.50	73.97	40.67			
1/8	244.02	176.25	120.42	96.67	75.68	41.63			
1/4	249.29	180.12	123.11	98.85	77.40	42.59			
3/8	254.55	183.98	125.80	101.02	79.12	43.55			
1/2	259.81	187.85	128.49	103.20	80.84	44.52			
5/8	265.07	191.71	131.17	105.37	82.55	45.48			
3/4	270.34	195.58	133.86	107.55	84.27	46.44			
7/8	275.60	199.44	136.54	109.72	85.99	47.40			
6	280.86	203.31	139.23	111.90	87.71	48.36			
1/8	286.12	207.17	141.91	114.07	89.42	49.32			
1/4	291.39	211.04	144.60	116.25	91.14	50.28			
3/8	296.65	214.90	147.29	118.42	92.86	51.24			
1/2	301.91	218.77	149.98	120.60	94.58	52.21			
5/8	307.17	222.63	152.66	122.77	96.29	53.17			
3/4	312.44	226.50	155.35	124.95	98.01	54.13			
7/8	317.70	230.36	158.03	127.12	99.73	55.09			
7	322.96	234.23	160.72	129.30	101.45	56.05			

RIVETKING® STEEL FLAT HEAD RIVET WEIGHT CHART

Pounds Per 1,000 Pieces

Available in: Steel, Brass, Copper, Stainless and Monel

SOLID RIVETS



To Find Pieces Per Pound:

Divide lbs. per thousand into 1,000. i.e. > Round Head Steel 3/16 X 1/2; 1,000 / 6.07 = 165 pcs. per lb. to determine the number of pieces per pound for materials listed multiply steel count by factors indicated.

#2017 ALUM ALLOY	2.81
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BRASS	1.082
COPPER	1.145
INCONEL	1.127
18 0/0 NICKEL SILVER	.90
MONEL	.89
HASTELLOY "C"	.88
STAINLESS STEEL 18-8	1.02
STAINLESS STEEL 400	1.00

LENGTH OF SHANK IN INCHES	7/16"	3/8"	5/16"	9/32"	1/4"	3/16"	5/32"	1/8"	3/32"
	.437	.375	.312	.281	.250	.187	.156	.125	.095
1/16								.85	.40
1/8								1.07	.53
3/16						3.56	2.23	1.29	.65
1/4				11.50	8.46	4.04	2.56	1.50	.77
5/16			16.52	12.58	9.32	4.52	2.90	1.72	.89
3/8		28.54	17.86	13.67	10.18	5.00	3.23	1.94	1.02
7/16	45.31	30.47	19.20	14.76	11.04	5.48	3.57	2.16	1.14
1/2	47.94	32.40	20.54	15.85	11.89	5.97	3.90	2.38	1.26
9/16	50.57	34.33	21.88	16.93	12.75	6.45	4.24	2.59	1.39
5/8	53.20	36.27	23.23	18.02	13.61	6.93	4.57	2.81	1.51
11/16	55.83	38.20	24.57	19.11	14.47	7.41	4.91	3.03	1.63
3/4	58.47	40.13	25.91	20.20	15.33	7.89	5.24	3.25	1.75
13/16	61.09	42.06	27.26	21.28	16.18	8.37	5.58	3.47	1.88
7/8	63.72	44.00	28.60	22.37	17.04	8.85	5.91	3.68	2.00
15/16	66.36	45.93	29.94	23.46	17.90	9.33	6.25	3.90	2.12
1	68.99	47.86	31.29	24.55	18.76	9.81	6.58	4.12	2.24
1/16	71.62	49.79	32.63	25.63	19.62	10.29	6.92	4.34	
1/8	74.25	51.72	33.97	26.72	20.48	10.77	7.25	4.56	
3/16	76.88	53.65	35.32	27.81	21.34	11.25	7.59	4.77	
1/4	79.51	55.59	36.66	28.90	22.20	11.73	7.92	4.99	
5/16	82.14	57.52	38.01	29.98	23.06	12.21	8.26	5.21	
3/8	84.77	59.45	39.35	31.07	23.92	12.69	8.59	5.43	
7/16	87.40	61.39	40.69	32.16	24.78	13.18	8.93	5.65	
1/2	90.04	63.32	42.04	33.25	25.63	13.66	9.26	5.87	
9/16	92.67	65.25	43.38	34.33	26.49	14.14	9.60	6.08	
5/8	95.30	67.18	44.72	35.42	27.35	14.62	9.93	6.30	
11/16	97.93	69.12	46.06	36.51	28.21	15.10	10.27	6.52	
3/4	100.57	71.05	47.41	37.60	29.07	15.58	10.60	6.74	
13/16	103.20	72.98	48.75	38.68	29.93	16.06	10.94	6.96	
7/8	105.83	74.92	50.09	39.77	30.79	16.54	11.27	7.17	
15/16	108.46	76.85	51.43	40.86	31.65	17.02	11.61	7.39	
2	111.09	78.78	52.78	41.95	32.50	17.50	11.94	7.61	
1/8	116.35	82.64	55.46	44.12	34.21	18.46	12.61	8.05	
1/4	121.62	86.51	58.15	46.30	35.93	19.42	13.28	8.48	
3/8	126.88	90.37	60.84	48.47	37.65	20.38	13.95	8.92	
1/2	132.14	94.24	63.53	50.65	39.37	21.35	14.62	9.36	
5/8	137.40	98.10	66.21	52.82	41.08	22.31	15.29	9.79	
3/4	142.67	101.97	68.90	55.00	42.80	23.27	15.96	10.23	
7/8	147.93	105.83	71.58	57.17	44.52	24.23	16.63	10.66	
3	153.19	109.70	74.27	59.35	46.24	25.19	17.30	11.10	
1/8	158.45	113.56	76.95	61.52	47.95	26.15			
1/4	163.72	117.43	79.64	63.70	49.67	27.11			
3/8	168.98	121.29	82.33	65.87	51.39	28.07			
1/2	174.24	125.16	85.02	68.05	53.11	29.04			
5/8	179.50	129.02	87.70	70.22	54.82	30.00			
3/4	184.77	132.89	90.39	72.40	56.54	30.96			
7/8	190.03	136.75	93.07	74.57	58.26	31.92			
4	195.29	140.62	95.76	76.75	59.98	32.88			
1/8	200.55	144.48	98.44	78.92	61.69	33.84			
1/4	205.82	148.35	101.13	81.10	63.41	34.80			
3/8	211.08	152.21	103.82	83.27	65.13	35.76			
1/2	216.34	156.08	106.51	85.45	66.85	36.73			
5/8	221.60	159.94	109.19	87.62	68.56	37.69			
3/4	226.87	163.81	111.88	89.80	70.28	38.65			
7/8	232.13	167.67	114.56	91.97	72.00	39.61			
5	237.39	171.54	117.25	94.15	73.72	40.57			
1/8	242.65	175.40	119.93	96.32	75.43	41.53			
1/4	247.92	179.27	122.62	98.50	77.15	42.49			
3/8	253.18	183.13	125.31	100.67	78.87	43.45			
1/2	258.44	187.00	128.00	102.85	80.59	44.42			
5/8	263.70	190.86	130.68	105.20	82.30	45.38			
3/4	268.97	194.73	133.37	107.20	84.02	46.34			
7/8	274.23	198.59	136.05	109.37	85.74	47.30			
6	279.49	202.46	138.74	111.55	87.46	48.26			
1/8	284.75	206.32	141.42	113.72	89.17	49.22			
1/4	290.02	210.19	144.11	115.90	90.89	50.18			
3/8	295.28	214.05	146.80	118.07	92.61	51.14			
1/2	300.54	217.92	149.49	120.25	94.33	52.11			
5/8	305.80	221.78	152.17	122.42	96.04	53.07			
3/4	311.07	225.65	154.86	124.60	97.76	54.03			
7/8	316.33	229.51	157.54	126.77	99.48	54.99			
7	321.59	233.38	160.23	128.95	101.20	55.95			



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STAINLESS STEEL 400	1.00

SOLID RIVETS

LENGTH OF SHANK IN INCHES	7/16"	3/8"	5/16"	9/32"	1/4"	3/16"	5/32"	1/8"	3/32"
	.437	.375	.312	.281	.250	.187	.156	.125	.095
1/16								.80	.40
1/8								1.02	.53
3/16								1.24	.65
1/4				10.88	8.03	3.38	2.12	1.45	.77
5/16			15.68	11.96	8.89	4.34	2.45	1.67	.89
3/8		27.08	17.02	13.05	9.75	4.82	3.12	1.89	1.02
7/16	43.00	29.01	18.36	14.14	10.61	5.30	3.46	2.11	1.14
1/2	45.63	30.94	19.70	15.23	11.46	5.79	3.79	2.33	1.26
9/16	48.26	32.87	21.04	16.31	12.32	6.27	4.13	2.54	1.39
5/8	50.89	34.81	22.39	17.40	13.18	6.75	4.46	2.76	1.51
11/16	53.52	36.74	23.73	18.49	14.04	7.23	4.80	2.98	1.63
3/4	56.16	38.67	25.07	19.58	14.90	7.71	5.13	3.20	1.75
13/16	58.78	40.60	26.42	20.66	15.75	8.19	5.47	3.42	1.88
7/8	61.41	42.54	27.76	21.75	16.61	8.67	5.80	3.63	2.00
15/16	64.05	44.47	29.10	22.84	17.47	9.15	6.14	3.85	2.12
1	66.68	46.40	30.45	23.93	18.33	9.63	6.47	4.07	2.24
1/16	69.31	48.33	31.79	25.01	19.19	10.11	6.81	4.29	
1/8	71.94	50.26	33.13	26.10	20.05	10.59	7.14	4.51	
3/16	74.57	52.19	34.48	27.19	20.91	11.07	7.48	4.72	
1/4	77.20	54.13	35.82	28.28	21.77	11.55	7.81	4.94	
5/16	79.83	56.06	37.17	29.36	22.63	12.03	8.15	5.16	
3/8	82.46	57.99	38.51	30.45	23.49	12.51	8.48	5.38	
7/16	85.09	59.93	39.85	31.54	24.35	13.00	8.82	5.60	
1/2	87.73	61.86	41.20	32.63	25.20	13.48	9.15	5.82	
9/16	90.36	63.79	42.54	33.71	26.06	13.96	9.49	6.03	
5/8	92.99	65.72	43.88	34.80	26.92	14.44	9.82	6.25	
11/16	95.62	67.66	45.22	35.89	27.78	14.92	10.16	6.47	
3/4	98.26	69.59	46.57	36.98	28.64	15.40	10.49	6.69	
13/16	100.89	71.52	47.91	38.06	29.50	15.88	10.83	6.91	
7/8	103.52	73.46	49.25	39.15	30.36	16.36	11.16	7.12	
15/16	106.15	75.39	50.59	40.24	31.22	16.84	11.50	7.34	
2	108.78	77.32	51.94	41.33	32.07	17.32	11.83	7.56	
1/8	114.04	81.18	54.62	43.50	33.78	18.28	12.50	8.00	
1/4	119.31	85.05	57.31	45.68	35.50	19.24	13.17	8.43	
3/8	124.57	88.91	60.00	47.85	37.22	20.20	13.84	8.87	
1/2	129.83	92.78	62.69	50.03	38.94	21.17	14.51	9.31	
5/8	135.09	96.64	65.37	52.20	40.65	22.13	15.18	9.74	
3/4	140.36	100.51	68.06	54.38	42.37	23.09	15.85	10.18	
7/8	145.62	104.37	70.74	56.55	44.09	24.05	16.52	10.61	
3	150.88	108.24	73.43	58.73	45.81	25.01	17.19	11.05	
1/8	156.14	112.10	76.11	60.90	47.52	25.97			
1/4	161.41	115.97	78.80	63.08	49.24	26.93			
3/8	166.67	119.83	81.49	65.25	50.96	27.89			
1/2	171.93	123.70	84.18	67.43	52.68	28.86			
5/8	177.19	127.56	86.86	69.60	54.39	29.82			
3/4	182.46	131.43	89.55	71.78	56.11	30.78			
7/8	187.72	135.29	92.23	73.95	57.83	31.74			
4	192.98	139.16	94.92	76.13	59.55	32.70			
1/8	198.24	143.02	97.60	78.30	61.26	33.66			
1/4	203.51	146.89	100.29	80.48	62.98	34.62			
3/8	208.77	150.75	102.98	82.65	64.70	35.58			
1/2	214.03	154.62	105.67	84.83	66.42	36.55			
5/8	219.29	158.48	108.35	87.00	68.13	37.51			
3/4	224.56	162.35	111.04	89.18	69.85	38.47			
7/8	229.82	166.21	113.72	91.35	71.57	39.43			
5	235.08	170.08	116.41	93.53	73.29	40.39			
1/8	240.34	173.94	119.09	95.70	75.00	41.35			
1/4	245.61	177.81	121.78	97.88	76.72	42.31			
3/8	250.87	181.67	124.47	100.05	78.44	43.27			
1/2	256.13	185.54	127.16	102.23	80.16	44.24			
5/8	261.39	189.40	129.84	104.40	81.87	45.20			
3/4	266.66	193.27	132.53	106.58	83.59	46.16			
7/8	271.92	197.13	135.21	108.75	85.31	47.12			
6	277.18	201.00	137.90	110.93	87.03	48.08			
1/8	282.44	204.86	140.58	113.10	88.74	49.04			
1/4	287.71	208.73	143.27	115.28	90.46	50.00			
3/8	292.97	212.59	145.96	117.45	92.18	50.96			
1/2	298.23	216.46	148.65	119.63	93.90	51.93			
5/8	303.49	220.32	151.33	121.80	95.61	52.89			
3/4	308.76	224.19	154.02	123.98	97.33	53.85			
7/8	314.02	228.05	156.70	126.15	99.05	54.81			
7	319.28	231.92	159.39	128.33	100.77	55.77			



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RIVETKING® STEEL 90° COUNTERSUNK HEAD WEIGHT CHART

Pounds Per 1,000 Pieces

Available in: Steel, Brass, Copper, Stainless and Monel

SOLID RIVETS



To Find Pieces Per Pound:

Divide lbs. per thousand into 1,000. i.e. > Round Head
Steel 3/16 X 1/2; 1,000 / 6.07 = 165 pcs. per lb. to
determine the number of pieces per pound for materials
listed multiply steel count by factors indicated.

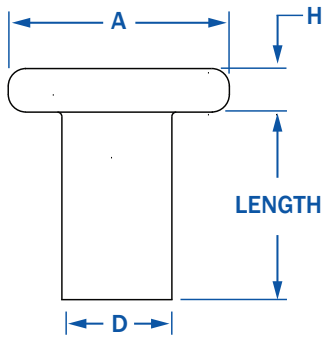
#2017 ALUM ALLOY	2.81
#6061 ALUM ALLOY	2.90
BRASS	1.082
COPPER	1.145
INCONEL	1.127
18 O/O NICKEL SILVER	.90
MONEL	.89
HASTELLOY "C"	.88
STAINLESS STEEL 18-8	1.02
STAINLESS STEEL 400	1.00

LENGTH OF SHANK IN INCHES	7/16"	3/8"	5/16"	9/32"	1/4"	3/16"	5/32"	1/8"
	.437	.375	.312	.281	.250	.187	.156	.125
1/16								.42
1/8								.64
3/16						2.14	1.41	.83
1/4				6.69	5.08	2.62	1.74	1.07
5/16			9.91	7.77	5.94	3.10	2.08	1.29
3/8		17.13	11.25	8.86	6.80	3.58	2.41	1.51
7/16	27.19	19.06	12.59	9.95	7.66	4.06	2.75	1.73
1/2	29.82	20.99	13.93	11.04	8.51	4.55	3.08	1.95
9/16	32.45	22.92	15.27	12.12	9.37	5.03	3.42	2.16
5/8	35.08	24.86	16.62	13.21	10.23	5.51	3.75	2.38
11/16	37.71	26.79	17.96	14.30	11.09	5.99	4.09	2.60
3/4	40.35	28.72	19.30	15.39	11.95	6.47	4.42	2.82
13/16	42.97	30.65	20.65	16.47	12.80	6.95	4.76	3.04
7/8	45.60	32.59	21.99	17.56	13.66	7.43	5.09	3.25
15/16	48.24	34.52	23.33	18.65	14.52	7.91	5.43	3.47
1	50.87	36.45	24.68	19.74	15.38	8.39	5.76	3.69
1/16	53.50	38.38	26.02	20.82	16.24	8.87	6.10	3.91
1/8	56.13	40.31	27.36	21.91	17.10	9.35	6.43	4.13
3/16	58.76	42.24	28.71	23.00	17.96	9.83	6.77	4.34
1/4	61.39	44.18	30.05	24.09	18.82	10.31	7.10	4.56
5/16	64.02	46.11	31.40	25.17	19.68	10.79	7.44	4.78
3/8	66.65	48.04	32.74	26.26	20.54	11.27	7.77	5.00
7/16	69.28	49.98	34.08	27.35	21.40	11.76	8.11	5.22
1/2	71.92	51.91	35.43	28.44	22.25	12.24	8.44	5.44
9/16	74.55	53.84	36.77	29.52	23.11	12.72	8.78	5.65
5/8	77.18	55.77	38.11	30.61	23.97	13.20	9.11	5.87
11/16	79.81	57.71	39.45	31.70	24.83	13.68	9.45	6.09
3/4	82.45	59.64	40.80	32.79	25.69	14.16	9.78	6.31
13/16	85.08	61.57	42.14	33.87	26.55	14.64	10.12	6.53
7/8	87.71	63.51	43.48	34.96	27.41	15.12	10.45	6.74
15/16	90.34	65.44	44.82	36.05	28.27	15.60	10.79	6.96
2	92.97	67.37	46.17	37.14	29.12	16.08	11.12	7.18
1/8	98.23	71.23	48.85	39.31	30.83	17.04	11.79	7.62
1/4	103.50	75.10	51.54	41.49	32.55	18.00	12.46	8.05
3/8	108.76	78.96	54.23	43.66	34.27	18.96	13.13	8.49
1/2	114.02	82.83	56.92	45.84	35.99	19.93	13.80	8.93
5/8	119.28	86.69	59.60	48.01	37.70	20.89	14.47	9.36
3/4	124.55	90.56	62.29	50.19	39.42	21.85	15.14	9.80
7/8	129.81	94.42	64.97	52.36	41.14	22.81	15.81	10.23
3	135.07	98.29	67.66	54.54	42.86	23.77	16.48	10.67
1/8	140.33	102.15	70.34	56.71	44.57	24.73		
1/4	145.60	106.02	73.03	58.89	46.29	25.69		
3/8	150.86	109.88	75.72	61.06	48.01	26.65		
1/2	156.12	113.75	78.41	63.24	49.73	27.62		
5/8	161.38	117.61	81.09	65.41	51.44	28.58		
3/4	166.65	121.48	83.78	67.59	53.16	29.54		
7/8	171.91	125.34	86.46	69.76	54.88	30.50		
4	177.17	129.21	89.15	71.94	56.60	31.46		
1/8	182.43	133.07	91.83	74.11	58.31	32.42		
1/4	187.70	136.94	94.52	76.29	60.03	33.38		
3/8	192.96	140.80	97.21	78.46	61.75	34.34		
1/2	198.22	144.67	99.90	80.64	63.47	35.31		
5/8	203.48	148.53	102.58	82.81	65.18	36.27		
3/4	208.75	152.40	105.27	84.99	66.90	37.23		
7/8	214.01	156.26	107.95	87.16	68.62	38.19		
5	219.27	160.13	110.64	89.34	70.34	39.15		
1/8	224.53	163.99	113.32	91.51	72.05	40.11		
1/4	229.80	167.86	116.01	93.69	73.77	41.07		
3/8	235.06	171.72	118.70	95.86	75.49	42.03		
1/2	240.32	175.59	121.39	98.04	77.21	43.00		
5/8	245.58	179.45	124.07	100.21	78.92	43.96		
3/4	250.85	183.32	126.76	102.39	80.64	44.92		
7/8	256.11	187.18	129.44	104.56	82.36	45.88		
6	261.37	191.05	132.13	106.74	84.08	46.84		
1/8	266.63	194.91	134.81	108.91	85.79	47.80		
1/4	271.90	198.78	137.50	111.09	87.51	48.76		
3/8	277.16	202.64	140.19	113.26	89.23	49.72		
1/2	282.42	206.51	142.88	115.44	90.95	50.69		
5/8	287.68	210.37	145.56	117.61	92.66	51.65		
3/4	292.95	214.24	148.25	119.79	94.38	52.61		
7/8	298.21	218.10	150.93	121.96	96.10	53.57		
7	303.47	221.97	153.62	124.14	97.82	54.53		



RIVETKING® OTHER SOLID RIVETS

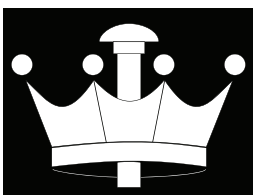
TINNERS' RIVETS



SIZE OR NUMBER	D		A		H		L	
	SHANK DIAMETER		HEAD DIAMETER		HEAD HEIGHT		LENGTH	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
6 oz.	0.081	0.075	0.213	0.193	0.028	0.016	0.135	0.115
8 oz.	0.091	0.085	0.225	0.205	0.036	0.024	0.166	0.146
10 oz.	0.097	0.091	0.250	0.230	0.037	0.025	0.182	0.162
12 oz.	0.107	0.101	0.265	0.245	0.037	0.025	0.198	0.178
14 oz.	0.111	0.105	0.275	0.255	0.038	0.026	0.198	0.178
1 lb.	0.113	0.107	0.285	0.265	0.040	0.028	0.213	0.193
1-1/4 lb.	0.122	0.116	0.295	0.275	0.045	0.033	0.229	0.209
1-1/2 lb.	0.132	0.126	0.316	0.294	0.046	0.034	0.244	0.224
1-3/4 lb.	0.136	0.130	0.331	0.309	0.049	0.035	0.260	0.240
2 lb.	0.146	0.140	0.341	0.319	0.050	0.036	0.276	0.256
2-1/2 lb.	0.150	0.144	0.311	0.289	0.069	0.055	0.291	0.271
3 lb.	0.163	0.154	0.329	0.303	0.073	0.059	0.323	0.303
3-1/2 lb.	0.168	0.159	0.348	0.322	0.074	0.060	0.338	0.318
4 lb.	0.179	0.170	0.368	0.342	0.076	0.062	0.354	0.334
5 lb.	0.190	0.181	0.388	0.362	0.084	0.070	0.385	0.365
6 lb.	0.206	0.197	0.419	0.393	0.090	0.076	0.401	0.381
7 lb.	0.223	0.214	0.431	0.405	0.094	0.080	0.416	0.396
8 lb.	0.227	0.218	0.475	0.445	0.101	0.085	0.448	0.428
9 lb.	0.241	0.232	0.490	0.460	0.103	0.087	0.463	0.443
10 lb.	0.241	0.232	0.505	0.475	0.104	0.088	0.479	0.459
12 lb.	0.263	0.251	0.532	0.498	0.108	0.090	0.510	0.490
14 lb.	0.288	0.276	0.577	0.543	0.113	0.095	0.525	0.505
16 lb.	0.304	0.292	0.597	0.563	0.128	0.110	0.541	0.521
18 lb.	0.347	0.335	0.706	0.668	0.156	0.136	0.603	0.583

SOLID RIVETS

R I V E T



K I N G®

RIVETKING® COPPER BELT RIVETS AND BURRS

CONFORMS TO MANUFACTURER'S STANDARDS - NOT IFI STANDARDS

SOLID RIVETS

COPPER BELT RIVETS AND BURRS

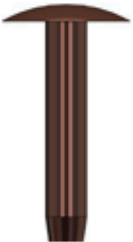


SIZE OR NUMBER	HEAD DIAMETER	HEAD THICKNESS	SHANK DIAMETER	TIP OF SHANK DIA
4	15/16"	.110	.270	.240
5	7/8"	.105	.250	.207
6	11/16"	.090	.228	.190
7	9/16"	.070	.191	.160
8	1/2"	.063	.181	.150
9	15/32"	.058	.161	.130
10	7/16"	.055	.151	.122
11	13/32"	.050	.141	.112
12	3/8"	.045	.137	.108
13	11/32"	.040	.118	.090
14	5/16"	.030	.102	.077
15	1/4"	.025	.090	.070

All diameters given in inches

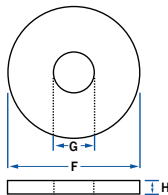
LENGTH OVERALL	SIZE	1/4"	2/5"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"
APPROXIMATE NUMBER PER LB.	4							34		29		24
	5			55	50	47	43	39	37	35	33	30
	6			93	83	73	64	57	54	49	47	42
	7			143	127	112	99	89	80	74	68	62
	8	255	206	180	150	133	120	105	94	86	81	75
	9	313	260	208	183	160	143	129	115	108	98	93
	10	386	302	256	216	192	165	147	136	121	116	104
	11	455	350	290	250	215	190	170	164	140	132	125
	12	525	412	330	287	244	212	191	174	160	156	136
	13	650	510	420	360	300	275	250				
	14	871	702	579	490	435	377	336				
	15	1263	934	755	628	540	480	420				

COPPER TRUNK RIVETS – OVAL HEAD



SIZE OR NUMBER	LENGTH UNDER HEAD, INCHES			APPROXIMATE NUMBER OF PIECES PER POUND										
	HEAD DIA.	HEAD UNDER DIA.	TIP OF SHANK DIA.	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"	2"
9	.406	.161	.144	247	215	178	162	141	130	116	98	84	74	66
12	.434	.137	.122	411	342	284	248	219	205	176	147	126	110	98

COPPER BURRS ONLY



F= Outside Diameter
G= Inside Diameter
H= Thickness

SIZE OR NUMBER	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	APPROXIMATE NUMBER PER LB.
3	.922	.290	.081	64
4	.875	.256	.071	76
5	.813	.223	.064	102
6	.656	.206	.057	184
7	.500	.176	.051	380
8	.469	.166	.045	465
9	.438	.146	.040	580
10	.406	.138	.036	750
11	.391	.128	.031	950
12	.360	.124	.028	1240
13	.344	.106	.025	1350
14	.313	.093	.022	2050
15	.281	.086	.020	2950
16	.250	.067	.018	3825

