

RIVETS



**NEBRASKA-IOWA
INDUSTRIAL
FASTENERS CORP.**

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NOTES

Rivets Section III

BUCKING RIVETS

Brazier Head	16
Countersunk	15
Modified Brazier Head	17
Round Head	16
Universal Head	15

DRIVE RIVETS

Brazier Head	17
Universal Head	17

NUTSERTS

Conversion Kits	
Standard Thread	22
Metric Thread	22
Metric Thin Sheet Metal	23
Standard	23
Thin Sheet Metal	23

RIVET NUT

Blind	19
Knurl	24
Plus Nut	19

RIVETS

Avex	
Dome Head	7
Large Flange Head	7
Back Up Washer	6
Blind	
Button Head	6
Large Head	6
Cherry "G"	8
Cherry "E"	9
Cherry "T"	9
Closed End	12
Huck	
Magna-Bulb Blind	13
Magna-Grip Collars	14
Magna-Grip Pins	14
Magna-Lok	13

RIVETS Continued ...

Huckbolt Collars	14
Huckbolt Fasteners	14
Kwik-Lok	27
Mono Bolt	10
Nylon Tappets	12
Olympic Bulb-Tite	11
Uni-Tap	12

SALES AIDS

Decimal Equivalents	3
Industry Number Table	4
Rivet Terms & Measuring Tips	2

TOOLS

Blind Rivet Tool	20
Brazier Head Rivet Sets	18
Bucking Rivet Sets	17
Chisels	18
Heavy Duty Lever Style	
Blind Rivet Tool	20, 21
Hi-Torquer Tool	22
Hi-Torquer Thread Kit	22
Jaw Sets	
Regular	20
Huck Gun	20
Kwik-Lok Pliers	27
Nutsert Tool Kit	22
Nutsert Tool	22
Retainers	18
Rivet Installation Tools	21, 25, 26
Rivet Tool Nosepieces	20

Basic Rivet Terms & Measuring Tips

Rivet Terms

Head Styles

Button Head (Protruding Head)
Large Flange Head
Countersunk

Grip Range

Is Expressed in Terms of Thinnest Material to Thickest Material a rivet will fasten.

If only one demension is shown, it refers to the **Thickest Material** the rivet will fasten.

Diameter

Refers to Outside Diameter of Rivet

Rivet Material

AA = Aluminum/ Aluminum - Aluminum Rivet - Aluminum Mandrel (Stem)

AS = Aluminum/ Steel - Aluminum Rivet - Steel Mandrel (Stem)

SS = Steel/ Steel - Steel Rivet - Steel Mandrel (Stem)

Measuring Rivets

If you have a sample you can:

- Measure the Sample
- Match the Sample with Industry Number Chart in Catalog (Actual Size Pictures)
- Find the Style of the Sample in the Catalog
- Convert the Industry Number to the NEIA Part Number

Using Industry Standard Numbers

Rivets can be identified by using the Industry Number. This will be either a 2 digit or 3 digit number and each digit has a meaning. The first digit always stands alone. It is the only digit that refers to a diameter.

The First Digit if the Industry Number is the Rivet Diameter

Think of the first number as the number of 32nds of an inch. Then convert that to its lowest common denominator.

e.g. **4** = $4/32" = 1/8"$

DIAMETER CHART

32 = $3/32"$ = $3/32"$

42 = $4/32"$ = $1/8"$

52 = $5/32"$ = $5/32"$

62 = $6/32"$ = $3/16"$

82 = $8/32"$ = $1/4"$

The Second And Third Digit(s) of the Industry Number are the GRIP RANGE (Thickness of Material)

Think of the 2nd and 3rd digits of the Industry Number as 16th of an inch. Then convert that fraction to the lowest common denominator.

e.g. **2** = $2/16" = 1/8"$

GRIP RANGE CHART

62 = $2/16"$ = Up to **1/8"** Material Thickness

64 = $4/16"$ = Up to **1/4"** Material Thickness

66 = $6/16"$ = Up to **3/8"** Material Thickness

68 = $8/16"$ = Up to **1/2"** Material Thickness

610 = $10/16"$ = Up to **5/8"** Material Thickness

612 = $12/16"$ = Up to **3/4"** Material Thickness

616 = $16/16"$ = Up to **1"** Material Thickness

When you have the Industry Number of 2 or 3 digits, remember that the 1st digit refers to the diameter expressed in terms of 32nd of an inch and the last 2 or 3 digits refers to the grip range expressed in 1/16ths of an inch.

DECIMAL EQUIVALENTS

DECIMAL EQUIVALANTS OF DRILL SIZES					
Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal
80	.0135	1/8	.1250	O	.3160
79	.0145	30	.1285	P	.3230
1/64	.0156	29	.1360	21/64	.3281
78	.0160	28	.1405	Q	.3320
77	.0180	9/64	.1406	R	.3390
76	.0200	27	.1440	11/32	.3438
75	.0210	26	.1470	S	.3480
74	.0225	25	.1495	T	.3580
73	.0240	24	.1520	23/64	.3594
72	.0250	23	.1540	U	.3680
71	.0260	5/32	.1562	3/8	.3750
70	.0280	22	.1570	V	.7700
69	.0292	21	.1590	W	.3860
68	.0310	20	.1610	25/64	.3906
1/32	.0312	19	.1660	X	.3970
67	.0320	18	.1695	Y	.4040
66	.0330	11/64	.1719	13/32	.4062
65	.0350	17	.1730	Z	.4130
64	.0360	16	.1770	27/64	.4219
63	.0370	15	.1800	7/16	.4375
62	.0380	14	.1820	29/64	.4531
61	.0390	13	.1850	15/32	.4688
60	.0400	3/16	.1875	31/64	.4844
59	.0410	12	.1890	1/2	.5000
58	.0420	11	.1910	33/64	.5156
57	.0430	10	.1935	17/32	.5312
56	.0465	9	.1960	35/64	.5469
3/64	.0469	8	.1990	9/16	.5625
55	.0520	7	.2010	37/64	.5781
54	.0550	13/64	.2031	19/32	.5938
53	.0595	6	.2040	39/64	.6094
1/16	.0625	5	.2055	5/8	.6250
52	.0635	4	.2090	41/64	.6406
51	.0670	3	.2130	21/32	.6562
50	.0700	7/32	.2188	43/64	.6719
49	.0730	2	.2210	11/16	.6875
48	.0760	1	.2280	45/64	.7031
5/64	.0781	A	.2340	23/32	.7188
47	.0785	15/64	.2344	47/64	.7344
46	.0810	B	.2360	3/4	.7500
45	.0820	C	.2420	49/64	.7656
44	.0860	D	.2460	25/32	.7812
43	.0890	1/4	.2500	51/64	.7969
42	.0935	E	.2500	13/16	.8125
3/32	.0938	F	.2570	53/64	.8281
41	.0960	G	.2610	27/32	.8438
40	.0980	17/64	.2656	55/64	.8594
39	.0995	H	.2660	7/8	.8750
38	.1015	I	.2720	57/64	.8906
37	.1040	J	.2770	29/32	.9062
36	.1065	K	.2810	59/64	.9219
7/64	.1094	9/32	.2812	15/16	.9375
35	.1100	L	.2900	61/64	.9631
34	.1110	M	.2950	31/32	.9688
33	.1130	19/64	.2969	63/64	.9844
32	.1160	N	.3020	1	1.0000
31	.1200	5/16	.3125		

TAP DRILLS - AMERICAN STANDARD					
USS Thread	Drill		SAE Thread	Drill	
	Size	Decimal		Size	Decimal
1-64	53	.060	0-80	3/64	.047
2-56	50	.070	1-72	53	.060
3-48	47	.079	2-64	50	.070
4-40	43	.089	3-56	45	.082
5-40	38	.102	4-48	42	.094
6-32	36	.107	5-44	37	.104
8-32	29	.136	6-40	33	.113
10-24	25	.150	8-36	29	.136
12-24	16	.177	10-32	21	.159
1/4-20	7	.201	12-28	14	.182
5/16-18	F	.257	1/4-28	3	.213
3/8-16	5/16	.313	5/16-24	1	.272
7/16-14	U	.368	3/8-24	Q	.322
1/2-13	27/64	.422	7/16-20	25/64	.391
9/16-12	31/64	.484	1/2-20	29/64	.453
5/8-11	17/32	.531	9/16-18	33/64	.516
3/4-10	21/32	.656	5/8-18	37/64	.578
7/8-9	49/64	.766	3/4-16	11/16	.688
1-8	7/8	.875	7/8-14	13/16	.813
1-1/8-7	63/64	.984	1-14	15/16	.938
1-1/4-7	1-7/64	1.109	1-1/8-12	1-3/64	1.047
1-3/8-6	1-7/32	1.219	1-1/4-12	1-11/64	1.172
1-1/2-6	1-11/32	1.344	1-3/8-12	1-19/64	1.297
1-3/4-5	1-9/16	1.563	1-1/2-12	1-27/64	1.422
2-4-1/2	1-25/32	1.781			
2-1/4-4-1/2	2-1/32	2.031			
2-1/2-4	2-1/4	2.250			
2-3/4-4	2-1/2	2.500			
3-4	2-3/4	2.750			
3-1/4-4	3	3.000			
3-1/2-4	3-1/4	3.250			
3-3/4-4	3-1/2	3.500			
4-4	3-3/4	3.750			

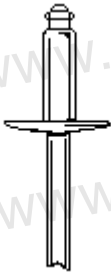
Tap Drill Size is Approximately 75% Thread

TAP DRILLS - PIPE			
Taper		Straight	
Thread	Drill	Thread	Drill
1/16	D	1/16	1/4
1/8	R	1/8	11/32
1/4	7/16	1/4	7/16
3/8	37/64	3/8	37/64
1/2	45/64	1/2	23/32
3/4	59/64	3/4	59/64
1	1-5/32	1	1-5/32
1-1/4	1-1/2	1-1/4	1-1/2
1-1/2	1-47/64	1-1/2	1-3/4
2	2-7/32	2	2-7/32
2-1/2	2-5/8	2-1/2	2-21/32
3	3-1/4		
3-1/2	3-3/4		
4	4-1/4		

RIVETS
BLIND RIVET
INDUSTRY NUMBER TABLE



**Button Head
(Protruding Head)**



**Large
Flange
Head**

Industry No.	Diameter	Grip Range		Rivet Length
32	3/32"	.063-.125	1/8"	.250
34	3/32"	.126-.250	1/4"	.375
36	3/32"	.251-.375	3/8"	
41	1/8"	Up to .062	1/16"	.212
42	1/8"	.063-.125	1/8"	.275
43	1/8"	.126-.187	3/16"	.337
44	1/8"	.188-.250	1/4"	.400
45	1/8"	.251-.312	5/16"	.462
46	1/8"	.313-.375	3/8"	.525
47	1/8"	.376-.437	7/16"	
48	1/8"	.438-.500	1/2"	.650
49	1/8"	.501-.562	9/16"	
410	1/8"	.563-.625	5/8"	
52	5/32"	.063-.125	1/8"	.300
54	5/32"	.126-.250	1/4"	.425
56	5/32"	.251-.375	3/8"	.550
58	5/32"	.376-.500	1/2"	.675
510	5/32"	.501-.625	5/8"	
62	3/16"	.063-.125	1/8"	.325
64	3/16"	.126-.250	1/4"	.450
66	3/16"	.251-.375	3/8"	.575
68	3/16"	.376-.500	1/2"	.700
610	3/16"	.501-.625	5/8"	.825
612	3/16"	.626-.750	3/4"	.950
614	3/16"	.751-.875	7/8"	
616	3/16"	.876-1.000	1"	1.200
82	1/4"	.063-.125	1/8"	
84	1/4"	.126-.250	1/4"	.500
86	1/4"	.251-.375	3/8"	.625
88	1/4"	.376-.500	1/2"	.750
810	1/4"	.501-.625	5/8"	.875
812	1/4"	.626-.750	3/4"	1.000
814	1/4"	.751-.875	7/8"	
816	1/4"	.876-1.000	1"	1.250

See Page 5 for actual size illustrations.

NOTES

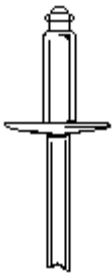
BLIND RIVET

Button Head (Protruding Head)



Ind. No.	Diameter	Grip Range	Length	All Aluminum	Aluminum Steel	Steel Steel	All Stainless
42	1/8"	.063 - .125	.275	80107	80207	80307	80361
44	1/8"	.188 - .250	.400	80109	80209	80309	80363
46	1/8"	.313 - .375	.525	80111	80211	80311	80365
48	1/8"	.438 - .500	.650	80113	80213	80313	
52	5/32"	.063 - .125		80137			
54	5/32"	.126 - .250		80138			
56	5/32"	.251 - .375		80139			
58	5/32"	.376 - .500		80140			
62	3/16"	.063 - .125	.325	80121	80221	80321	80373
64	3/16"	.126 - .250	.450	80122	80222	80322	80375
66	3/16"	.251 - .375	.575	80123	80223	80323	80376
68	3/16"	.376 - .500	.700	80124	80224	80324	
610	3/16"	.501 - .625	.825	80125	80225	80325	
612	3/16"	.626 - .750	.950	80126	80226	80326	80379
616	3/16"	.876 - 1.000	1.200			80327	
84	1/4"	.126 - .250	.500	80130	80230	80330	
86	1/4"	.251 - .375	.625	80131	80231	80331	
88	1/4"	.376 - .500	.750	80132	80232	80332	
810	1/4"	.501 - .625	.875	80133	80233	80333	
812	1/4"	.626 - .750	1.000	80134	80234	80334	
816	1/4"	.876 - 1.000	1.250	80136	80236	80336	

Large Flange Head



Ind. No.	Diameter	Grip Range	Length	All Aluminum	Aluminum Steel	Steel Steel
42	1/8"	.063 - .125	.275	80149		
44	1/8"	.188 - .250	.400	80150		
64	3/16"	.126 - .250	.450	80154	80254	80340
66	3/16"	.251 - .375	.575	80155	80255	80344
68	3/16"	.376 - .500	.700	80156	80256	80348
610	3/16"	.501 - .625	.825	80157	80257	
612	3/16"	.626 - .750	.950	80158	80258	
810	1/4"	.626 - .750	1			80355

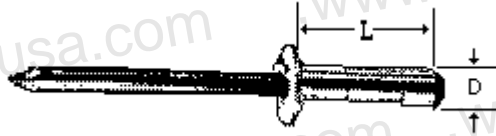
Back Up Washers



Aluminum

Part No.	Size
80350	1/8"
80352	3/16"

AVEX RIVET



MATERIAL: Rivet - Aluminum
Mandrel - Steel

- Multi-Grip
- Complete Hole Fill
- Positive Seal
- Two Sided Clamp-Up
- Vibration Proof
- Uniform Appearance

NOTE: Avex Rivets use a standard nosepiece.

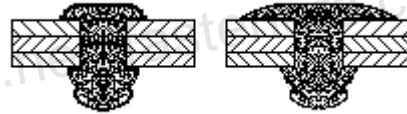
MULTI-GRIP

Each Avex Rivet effective in a wide range of material thicknesses... reducing inventory.

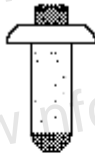


COMPLETE HOLE FILL

Produces dust and weather resistant joints

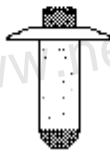


Dome Head



Part No.	Dia. "D"	Grip Range	Rivet Length "L"
80897	1/8"	.031 - .187	.320
80898	1/8"	.125 - .312	.445
80900	3/16"	.062 - .250	.414
80901	3/16"	.187 - .437	.602

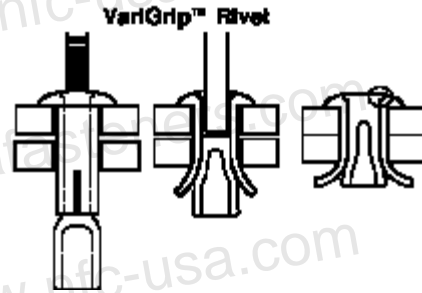
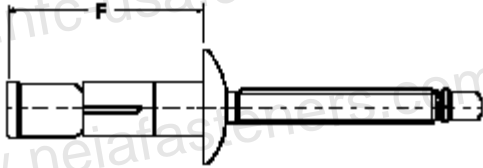
Large Flange Head



Part No.	Dia. "D"	Grip Range	Rivet Length "L"
80922	1/8"	.031 - .187	.320
80923	1/8"	.125 - .313	.445
80925	3/16"	.062 - .250	.414
80926	3/16"	.250 - .500	.664
80929	3/16"	.500 - .781	.976

SPECIAL RIVETS

Cherry "G"TM Rivet



The Cherry Vari-Grip Rivet combines the key features and benefits of the Cherry "T" Rivet and the Monobolt:

MATERIAL: Rivet Sleeve - Aluminum
 FINISH: Wax - (DO NOT REMOVE)

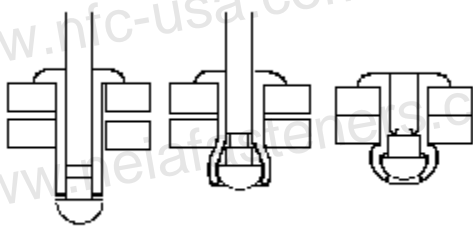
NOTE: VariGrip "G" Rivets require a Monobolt nosepiece for proper installation:

Rivet Diameter	Nosepiece No.	I.D. Mark
3/16"	81015	6V
1/4"	81016	8V

Part No.	Diameter	Grip Range	Length "F"
80865	3/16"	.062-.250	.727

SPECIAL RIVETS

Cherry "E"TM Rivet



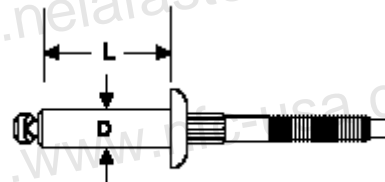
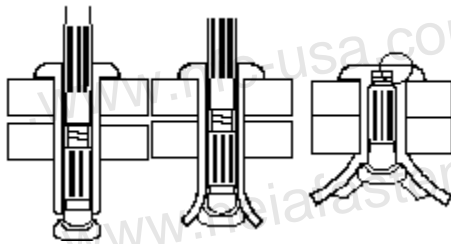
MATERIAL: Rivet - Aluminum
Mandrel - Steel

NOTE: Non-structural - Break mandrel rivets
Cherry "E" Rivets use a standard nosepiece

Ind. No.	Diameter	Grip Range	Length	Protruding Head
68	3/16"	.250 - .500 1/2"	.761	80424

Discontinued Item

Cherry "T"TM Rivet



This rivet spreads out into 3 wings, forming a "T."

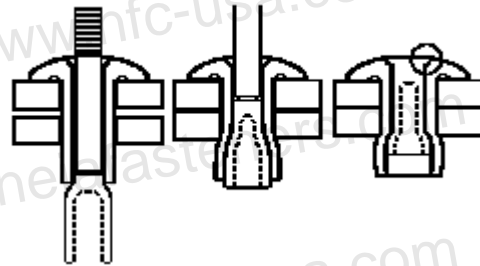
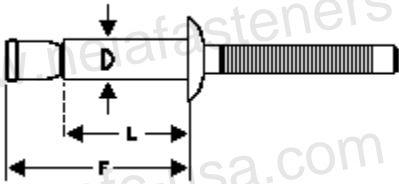
MATERIAL: Rivet - Aluminum
Mandrel - Steel

NOTE: The Chery "T" Rivet requires a special nosepiece for proper installation:

Rivet Diameter	Nosepiece No.	I.D. Mark
3/16"	81017	6T
1/4"	81018	8T

Part No.	Diameter "D"	Grip Range	Rivet Length "L"
80522	3/16"	.234 - .265	.529
80523	3/16"	.421 - .453	.707
80530	1/4"	.093 - .156	(Short) .500
80540	1/4"	.468 - .531	(Long) .875

MONOBOLT® RIVETS



NOTE: MONOBOLT Rivets require a special nosepiece for proper installation:

Rivet Diameter	Nosepiece No.	I.D. Mark
3/16"	81015	6V
1/4"	81016	8V

BENEFITS:

- **VISIBLE LOCK**
External locking mechanism for positive stem retention.
- **HIGH CLAMP-UP**
Removes gap between sheets easily.
- **COMPLETE HOLE FILL AND SEALING CAPABILITY**
Expands radially during setting to fill even elliptical holes.
- **HIGH SHEAR AND TENSILE**
Resists loosening when exposed to variable loads.

Ind. No.	Dia.	Grip Range		Rivet Length "L"	Overall Length "F"	Aluminum Aluminum	Steel Steel	Stainless Steel
64	3/16"	.062	-.270	1/4"	.416	80622	80652	
67	3/16"	.214	-.420	7/16"	.537	80623	80653	
86	1/4"	.080	-.375	3/8"	.556	80631	80661	80665
810	1/4"	.350	-.625	5/8"	.810	80633	80663	

OLYMPIC BULB-TITE RIVETS

Head Styles



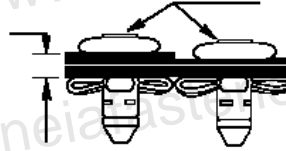
Standard Dome Head
Protruding Crown



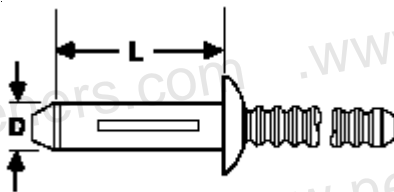
Standard Dome Head
Recessed Crown

Available in grips that reduce rivet inventory. Most standard "Bulb-Tite" rivets accommodate a material thickness variation of over one-fourth of an inch.

FLUSH STEM
Stem breaks flush with head throughout grip range.



CLAMP-UP AND BEARING AREAS
Balanced design provides high clamp-up in both thick and thin materials. The thinner the sheet, the larger the back-side upset. The large back-side upset prevents pulling out of soft or brittle materials



Part No.	"D" Dia.	Head Style	Grip Range	"L" Body Length	Mandrel Material	Rivet Material
80850	3/16"	Shaveable Brazier Head	.050-.500	1/2"	Aluminum	Aluminum
80851	1/4"	Shaveable Brazier Head	.050-.500	1/2"	Aluminum	Aluminum
80841	3/16"	Dome-Protruding Crown	.062-.250	1/4"	Aluminum	Aluminum
80843	3/16"	Dome-Protruding Crown	.312-.500	1/2"	Aluminum	Aluminum
80849	1/4"	Dome-Protruding Crown	.375-.625	5/8"	Aluminum	Aluminum
80852	1/4"	Low Profile Dome Head	.040-.250	1/4"	Steel	Steel
80854	1/4"	Low Profile Dome Head	.250-.500	1/2"	Steel	Steel
80861	1/4"	Low Profile Dome Head	.125-.375	3/8"	Aluminum	Aluminum

SPECIAL RIVETS

Closed End

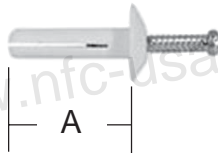


Aluminum	Aluminum	Dia.	Body Length	Grip Range	Industry No.
80949	1/8"	.591	.313 - .375	46	
80946	3/16"	.531	.126 - .250	64	
80947	3/16"	.656	.251 - .375	66	

Aluminum	Steel	Dia.	Body Length	Grip Range	Industry No.
80950	3/16"	.345	.020 - .125	62	
80960	3/16"	.470	.126 - .250	64	
80961	3/16"	.656	.251 - .375	66	
80955	3/16"	.720	.376 - .500	68	
80963	1/4"	.570	.126 - .250	84	
80964	1/4"	.695	.251 - .375	86	

Nylon Tappets

Set with hammer



Part No.	Diameter	"A" Length
80802	3/16"	3/4"
80803	3/16"	1"
80806	1/4"	3/4"
80807	1/4"	1"
80808	1/4"	1-1/2"
80809	1/4"	2"
80810	1/4"	3"

Uni-Tap

Injection molded one-piece nylon body.



Part No.	Size	Grip Range	Head Diameter	Head Style
80821	9/32 x 1	3/16-1/2	5/8	Mush

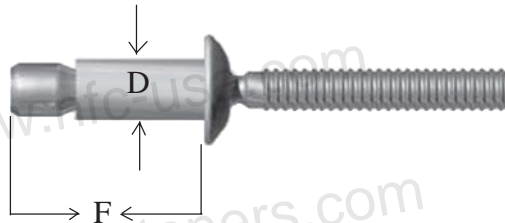
HUCK RIVETS

The Huck Magna-Lok Fasteners

The one-piece, blind structural fastener that does both

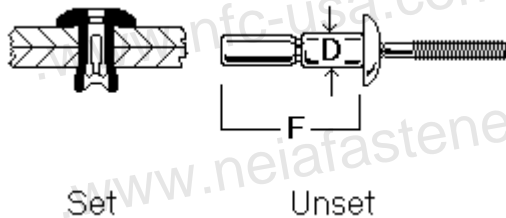
- Improves Product Quality
- Lowers Costs

Wherever quality and economy count. Just one Magna-Lok fastener can be used over a range of material thickness that vary almost 3/8". This multi-grip feature can reduce install error and lower the number of inventoried part numbers.



Stainless Steel Part No.	Steel Part No.	Aluminum Part No.	Grip Range	"D" Diameter	"F" Length
	81025	81027	.062-.270	3/16"	.675
	81026	81028	.214-.437	3/16"	.825
81038	81030	81033	.080-.375	1/4"	.970
81039	81031	81034	.350-.625	1/4"	1.220

HUCK MAGNA-LOK (ULTRA GRIP) FASTENER



Positive mechanical locking system.
Visually verifiable 100% mandrel retention.
Superior holding power.
Locking feature prevents loosening of mandrel from vibration.

Steel Part No.	Grip Range	"D" Diameter	"F" Length
80891	.080-.625	1/4"	1.405

The Huck Magna-Bulb® Blind Fasteners

High strength with a broader bearing surface. The Magna-Bulb fastener creates a broader bearing surface that helps spread the load over more area for a stronger, longer lasting connection.

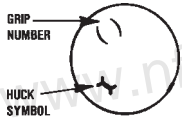


Steel Part No.	Grip Range	Diameter	"D" Length
81112	.189 - .268	1/4"	.912
81116	.346 - .425	1/4"	1.060

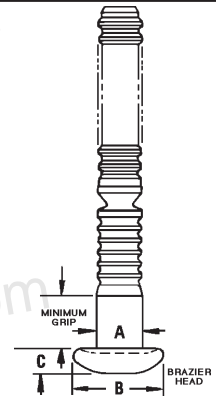
HUCKBOLTS® & MAGNA-GRIP® PINS

- Zinc plated
- Low carbon steel

Huckbolt® Fasteners



Part No.	Grip No.	Min. Grip	Max. Grip	"A" Fastener Diameter	"B" Head Dia.	"C" Head Dia.
81080	#6	5/16"	7/16"	3/8"	.787	.248
81081	#8	7/16"	9/16"	3/8"	.787	.248
81082	#10	9/16"	11/16"	3/8"	.787	.248
81083	#12	11/16"	13/16"	3/8"	.787	.248

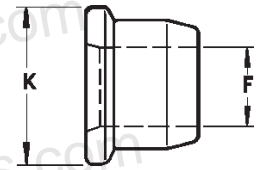


Grip number and Huck symbol shown on head.

Huckbolt® Collars

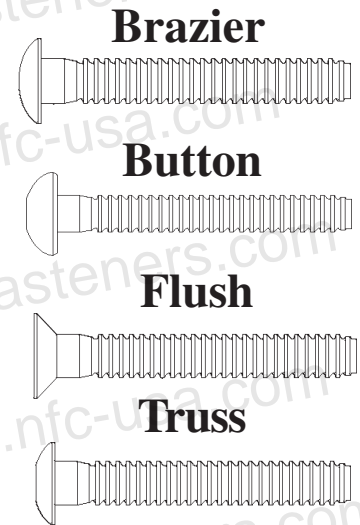
- Zinc plated
- Low carbon steel
- Fits 81080 thru 81083 above

Part No.	"F" Diameter	"K" Flange Diameter
81058	0.378	0.781
81059	0.378	No Flange



Magna-Grip® Pins

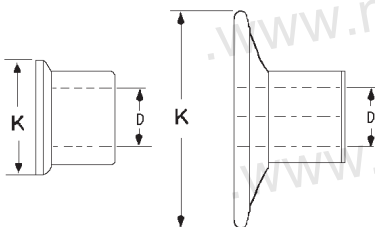
Part No.	Dia.	Length	Head	Head Type	Grip Range	Material
81060	3/16"	1.788	.450-.488	Brazier	.062-.625	Steel
81061	3/16"	1.788	.356-.394	Button	.062-.625	Steel
81062	3/16"	1.788	.323-.359	Flush	.062-.625	Steel
81063	3/16"	1.788	.450-.488	Brazier	.062-.625	Chrome
81065	3/16"	2.37	.450-.488	Brazier	.312-1.25	Steel
81066	3/16"	1.788	.450-.488	Truss	.062-.625	Alum.
81069	1/4"	1.965	.531-.594	Truss	.062-.625	Steel
81068	1/4"	2.560	.531-.594	Truss	.312-1.25	Steel
81070	1/4"	1.965	.475-.525	Button	.062-.625	Steel
81071	1/4"	1.965	.475-.525	Button	.062-.625	Alum.
81072	1/4"	1.965	.433-.478	Flush	.062-.625	Steel
81073	1/4"	1.965	.937	Broad Truss	.156-.625	Steel
81075	1/4"	2.56	.475-.525	Button	.312-1.25	Steel
81085	5/16"	2.34	.594-.656	Button	.125-.75	Steel
81088	3/8"	2.875	.713-.787	Button	.25-.875	Steel



** Also known as a board pin.

Magna-Grip® Collars & Flange Collars

Used with Magna-Grip® Pins



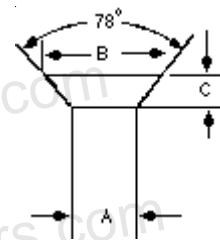
Part No.	Dia. "D"	Flange Diameter "K"	Type	Material
81050	3/16"	.368	Collar	Steel
81051	3/16"	.640	Flange Collar	Steel
81052	3/16"	.640	Flange Collar	Alum
81053	3/16"	.500	Med. Flange Collar	Steel
81055	1/4"	.490	Collar	Steel
81056	1/4"	.855	Flange Collar	Steel
81057	1/4"	.510	Collar	Aluminum
81076	5/16"	.612	Collar	Steel
81078	3/8"	.740	Collar	Steel

ALUMINUM BUCKING RIVETS

Countersunk Head

Dimensions		
A	B	C
5/32"	.282	.062
3/16"	.338	.094

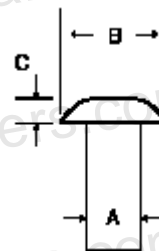
"Hard" bucking rivets have dot on head or #5 on stem.



Countersunk Head HARD (2117 T4)			Countersunk Head SOFT (1100F)		
Part No.	Diameter	Length	Part No.	Diameter	Length
			80000	5/32"	3/8"
			80002	3/16"	3/8"
			80004	3/16"	1/2"
80008	3/16"	3/4"	80007	3/16"	3/4"

Universal Head

Dimensions		
A	B	C
3/16"	.375	.085



Universal Head HARD (2117 T4)			Universal Head SOFT (1100F)		
Part No.	Diameter	Length	Part No.	Diameter	Length
80060	3/16"	3/8"	80050	3/16"	3/8"
80061	3/16"	7/16"	80051	3/16"	7/16"
80062	3/16"	1/2"	80052	3/16"	1/2"
80063	3/16"	5/8"			

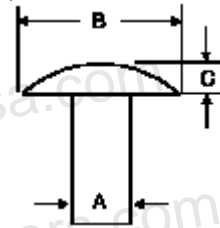
**Custom-Made Assortments Available
for All your Riveting Requirements**

ALUMINUM BUCKING RIVETS

Brazier Head

Dimensions		
A	B	C
3/16"	.467	.094
1/4"	.625	.125

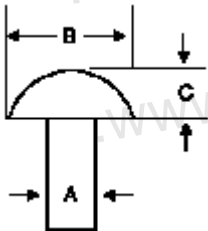
"Hard" bucking rivets have dot on head or #5 on stem.



Brazier Head HARD (2117 T4)		
Part No.	Diameter	Length
80030	3/16"	3/8"
80031	3/16"	7/16"
80032	3/16"	1/2"
80034	3/16"	5/8"
80035	3/16"	3/4"
80037	3/16"	1"
80040	1/4"	3/8"
80041	1/4"	7/16"
80042	1/4"	1/2"
80044	1/4"	5/8"
80045	1/4"	3/4"
80047	1/4"	1"

Brazier Head SOFT (1100F)		
Part No.	Diameter	Length
80010	3/16"	1/4"
80012	3/16"	3/8"
80013	3/16"	7/16"
80014	3/16"	1/2"
80015	3/16"	9/16"
80016	3/16"	5/8"
80017	3/16"	3/4"
80020	1/4"	3/8"
80021	1/4"	7/16"
80022	1/4"	1/2"
80024	1/4"	5/8"
80025	1/4"	3/4"
80026	1/4"	7/8"
80027	1/4"	1"

Round Head



"Soft" bucking rivets have no marking on head.

Dimensions		
"A"	"B"	"C"
1/4"	.468	.094

Round Head SOFT (1100F)		
Part No.	Diameter	Length
80090	1/4"	3/8"
80091	1/4"	1/2"
80093	1/4"	5/8"
80092	1/4"	3/4"

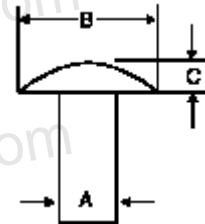
ALUMINUM BUCKING RIVETS

Dimensions

"A"	"B"	"C"
3/16"	.390	.078
1/4"	.468	.094

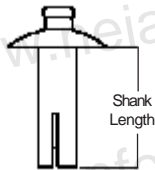
Modified Brazier Head

"Hard" bucking rivets have dot on head or #5 on stem.

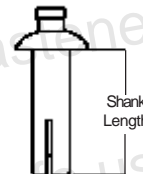


Modified Brazier Head HARD (2117 T4)			Modified Brazier Head SOFT (1100F)		
Part No.	Diameter	Length	Part No.	Diameter	Length
80065	3/16"	5/8"			
80080	1/4"	3/8"	80070	1/4"	3/8"
80081	1/4"	7/16"	80071	1/4"	7/16"
80082	1/4"	1/2"	80072	1/4"	1/2"
80084	1/4"	5/8"	80074	1/4"	5/8"
80085	1/4"	3/4"	80075	1/4"	3/4"
80087	1/4"	1"	80077	1/4"	1"

Drive Rivets



Brazier Head



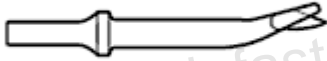
Universal Head

Industry No.	Diameter	Grip Range	Nominal Grip Range	Shank Length	Brazier Head	Universal Head
62	3/16"	.062 - .109	1/16"	1/4"	80741	
64	3/16"	.078 - .171	1/8"	9/32"	80742	
66	3/16"	.140 - .234	3/16"	11/32"	80743	
68	3/16"	.203 - .296	1/4"	13/32"	80744	
610	3/16"	.265 - .359	5/16"	15/32"	80745	
612	3/16"	.328 - .421	3/8"	17/32"	80746	80780
84	1/4"	.078 - .171	1/8"	9/32"	80761	80771
86	1/4"	.140 - .234	3/16"	11/32"	80762	80772
88	1/4"	.203 - .296	1/4"	13/32"	80763	80773
810	1/4"	.265 - .359	5/16"	15/32"	80764	80774
812	1/4"	.328 - .421	3/8"	17/32"	80765	80775

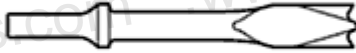
ZIP GUN ACCESSORIES

CHISELS

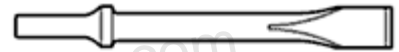
CLAW RIPPER-EDGING TOOL
PART NO. 81907



PANEL CUTTER
PART NO. 81909



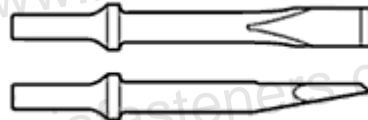
FLAT CHISEL 3/4" BLADE
PART NO. 81910



TAPERED PUNCH
PART NO. 81911



RIVET CUTTER
PART NO. 81912



RETAINERS



Part No. 81895
.401 Std. Beehive Spring



Part No. 81897
.401 Mech Aid



Part No. 81893
Chisel Holder Retainer Chuck

Brazier Head Rivet Sets



Part No.	Size
80095	3/16"
80096	1/4"

BLIND RIVET NUTS

- Install threaded load-bearing fasteners in blind holes in just minutes
- Save disassembly
- Strong
- Reliable

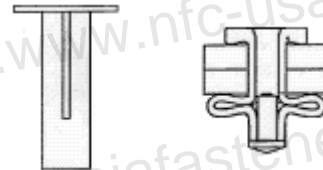


Thread Size	Grip Range	Head Style	Steel Part No.	Aluminum Part No.
10 - 24	.081 - .130	Flat		89306
10 - 32	.010 - .080	Flat		89310
10 - 32	.081 - .130	Flat		89311
10 - 32	.131 - .180	Flat		89312
1/4 - 20	.020 - .080	Flat	89355	89315
1/4 - 20	.081 - .140	Flat	89356	89316
1/4 - 20	.141 - .200	Flat	89357	89317
1/4 - 20	.201 - .260	Flat	89358	
5/16 - 18	.030 - .125	Flat	89360	89320
5/16 - 18	.126 - .200	Flat	89361	89321
5/16 - 18	.201 - .275	Flat	89362	
3/8 - 16	.030 - .115	Flat	89365	89325
3/8 - 16	.116 - .200	Flat	89366	
3/8 - 16	.201 - .285	Flat		

METRIC				
6 x 1.0	3 mm - 4.5 mm	Flat	89370	89332

Plus Nut

- New concept in rivet nut design
- Spreads out into 4 wings on blind side
- Larger footprint
- Greater load distribution
- Ideal for fiberglass or whatever load distribution is critical
- Set with Hi-Torquer® Tool #89870



Part No.	Size	Material
89504	1/4 - 20	Steel
89506	5/16 - 18	Steel

RIVETTOOLS

Blind Rivet Tool

Part No. 81000

- Hand Riveting Tool
- Use to set Rivets up to 3/16" Diameter
- Includes Following Nosepieces:
1/8 - 3/32 - 3/16



Rivet Tool Nosepieces



Jaw Sets

2 Pc. Jaw Set

General Purpose
Fits Marson & many other popular rivet tools.



Part No. 81007

Part No.	Size	Sets Rivet Type	I.D. Marking
81010	1/8"	Blind	4
81012	3/16"	Blind	6Z
81013	1/4"	Blind	8Z
81015	3/16"	Monobolt	6V
81016	1/4"	Monobolt	8V
81017	3/16"	T-Rivet	6T
81018	1/4"	T-Rivet	8T
81019	3/16"	Klamp-Tite	6K (Red)
81020	1/4"	Klamp-Tite	8K (Red)

3 Pc. Jaw Set

Fits Cherry Air Rivet Tool with #743A Nosepiece

Part No. 81009

Big Daddy Jaw Set

Part No. 81006

Big Daddy Nosepieces

Part No.	Description
81005	3/16" Nose Tip
81023	1/4" Nose Tip
81024	1/4" Monobolt Nose Tip

Big-Daddy® Heavy Duty Rivet Tool

Part No. 81002

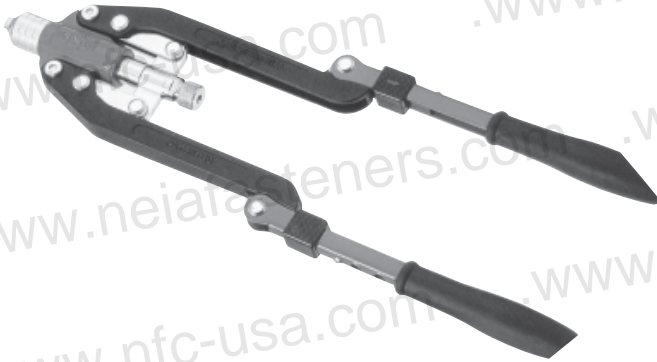


- Big-Daddy is engineered to set 1/8 to 1/4 rivets in all alloys
- 5/32 - 3/16 - 1/4 Nosepieces are included
- Spare nosepieces stored in tool buddy
- Extremely rugged, single-unit body construction

BLIND RIVET & RIVET NUT TOOLS

RivetKing 2 in 1 – Blind Rivet & Rivet Nut Tool

This unique tool has the ability to set both blind rivets and rivet nuts. It even has the ability to set 1/4" structural blind rivets and rivet nuts up to 3/8". The changeover from blind rivets to rivet nuts is simple and takes less than 1 minute. It's patented foldaway design makes it easy to carry and store. It contains a nosepieces for blind rivets and mandrels for rivet nuts in every size and is conveniently stored in a blow molded carry case. Forged Steel arms insure durability while comfort soft touch rubberized grips guarantee comfort. Why buy two tools when you only need one?



Part No.	
89049	Fractional
89054	Metric

Rivet Nut Hand Installation Tool



Tired of buying multiple tools to install the different styles of rivet nuts? Presenting the Sherex designed hand installation tool, which is capable of handling all styles of rivet nuts from 6-32 to 3/8-16 and M3 to M10. Tools may be purchased individually by size or in a wide variety of convenient kits. Each tool has the same body size, thereby requiring only one 11/16" ratchet and one 7/8" wrench to install all sizes and styles of rivet nuts. In addition, this line of hand installation tools uses a standard socket head cap screw as a mandrel, making replacement convenient and economical.

Part Number	Thread
89040	6-32
89041	8-32
89042	10-24
89043	1/4-20
89044	5/16-18
89045	3/8-16

Part Number	Thread
89055	M5
89056	M6
89058	M8
89060	M10

NUTSERT TOOLS



Nutsert Tool

(tool only)

Part No. 89905



Nutsert Tool Kit

Part No. 89900

- Packed in Handy Steel Storage Box
- Includes:
 - Wrench
 - Conversion Kits consisting of: Mandrels & Nosepieces to fit following: 6-32 - 8-32 - 10-24 - 1/4-20 - 5/16-18 plus Mandrel for 10-32

Hi-Torquer[®] Tool

Part No. 89870*

*Tool Only - Thread Kits are in right hand column.



- For Tough Jobs
- Increased Torqueability with T-Handle
- 7 Sizes of conversion Kits Available

Conversion Kits for Nutsert Tool Standard Threads

Mandrels & Nosepieces

Part No.	Thread Size
89950	6-32
89952	8-32
89954	10-24
89955	10-32
89956	1/4-20
89957	1/4-28
89958	5/16-18
89959	5/16-24
89960	3/8-16

Metric Threads

Mandrels & Nosepieces

Part No.	Thread Size
89990	4 mm
89991	5 mm
89992	6mm
89994	8 mm

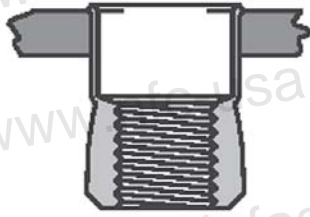
Hi-Torquer[®] Thread Kit

Convert your Hi-Torquer tool to install all these sizes:



Part No.	Thread Size
89872	6-32
89874	8-32
89876	10-24
89877	10-32
89878	1/4-20
89880	5/16-18
89882	3/8-16

NUTSERTS[®]

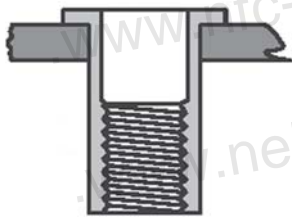


Nutserts[®]

Material - Steel
Finish - Cadmium Plated



Part No.	Thread Size	Hole Size
89000	6-32	.2160 - .2186
89002	8-32	.2470 - .2499
89004	10-24	.2780 - .2810
89005	10-32	.2780 - .2810
89006	1/4-20	.3720 - .3749
89007	1/4-28	.3720 - .3749
89008	5/16-18	.4970 - .4999
89009	5/16-24	.4970 - .4999
89010	3/8-16	.5590 - .5622
89011	3/8-24	.5590 - .5622



Thin Sheet Metal Nutserts[®]

Material - Steel
Finish - Cadmium Plated



Part No.	Thread Size	Grip Range	Hole Size
89100	6-32	.020 - .080	.250 - .254
89102	8-32	.020 - .080	.250 - .254
89104	10-24	.020 - .130	.281 - .285
89105	10-32	.020 - .130	.281 - .285
89106	1/4-20	.030 - .165	.375 - .379
89108	5/16-18	.040 - .200	.500 - .504



Metric Thin Sheet Metal Nutserts[®]

Material - Steel
Finish - Cadmium Plated

Part No.	Thread Size	Grip Range	Hole Size
89200	4 mm	.020 - .080	.250 - .254
89201	5 mm	.020 - .130	.281 - .285
89202	6 mm	.030 - .165	.375 - .379
89204	8 mm	.040 - .200	.500 - .504

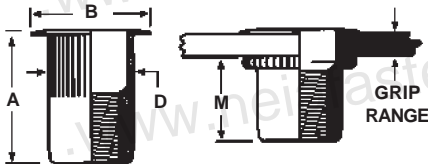
LARGE FLANGE KNURLED RIVET NUTS

Large Flange Knurled Rivet-Nuts



Rivet-Nuts are the best solution for thin materials requiring captive threads. Installed from one side, the single operation eliminates the need for costly & complex methods of creating internal threads. Available in various sizes, Rivet-Nuts can be used in any ridged surface without concern for damaging its surface. When proper upset is achieved, the bulge that forms on the blind side of the parent materials locks the fastener into place.

The large flange on these Rivet-Nuts disguises common application flaws such as out of round or oversized holes. Axial knurls allow for better hole fill & significantly reduces spinning. LFK Rivet-Nuts offers the highest values for torque strength pull out & push through. Knurls are designed to work in soft materials such as nylon, fiberglass, plastic, etc.



Material: Steel - 1008/1010
Finish: Zinc Plated-Yellow Dichromate

Standard							
Part No.	Thread Size	"D" Maximum	"B" Nominal	"A" Maximum	"M" Maximum	Grip Range	Hole Size
89018	6-32	0.265	0.39	0.43	0.305	.020 - .080	17/64
89019	6-32	0.265	0.39	0.43	0.305	.080 - .130	17/64
89020	8-32	0.265	0.39	0.43	0.305	.020 - .080	17/64
89021	8-32	0.265	0.39	0.43	0.305	.080 - .130	17/64
89022	10-24	0.296	0.415	0.485	0.315	.020 - .130	19/64
89023	10-24	0.296	0.415	0.595	0.315	.130 - .225	19/64
89024	10-32	0.296	0.415	0.485	0.315	.020 - .130	19/64
89025	10-32	0.296	0.415	0.595	0.315	.130 - .225	19/64
89026	1/4-20	0.39	0.50	0.59	0.38	.030 - .165	25/64
89027	1/4-20	0.39	0.50	0.69	0.38	.165 - .260	25/64
89028	5/16-18	0.53	0.685	0.70	0.43	.030 - .150	17/32
89029	5/16-18	0.53	0.685	0.815	0.43	.150 - .312	17/32
89030	3/8-16	0.53	0.685	0.70	0.43	.030 - .150	17/32
89031	3/8-16	0.53	0.685	0.815	0.43	.150 - .312	17/32
Metric Measurements in Millimeters							
89842	M5X0.8	7.52	10.54	12.07	7.52	0.50 - 3.30	7.6 (19/64)
89843	M5X0.8	7.52	10.54	14.86	7.52	3.30 - 5.70	7.6 (19/64)
89844	M6X1.0	9.91	12.70	14.73	9.91	0.70 - 4.20	10 (25/64)
89845	M6X1.0	9.91	12.70	17.27	9.91	4.20 - 6.60	10 (25/64)
89846	M8X1.25	13.46	17.40	17.53	13.46	0.70 - 3.80	13.5 (17/32)
89847	M8X1.25	13.46	17.40	20.45	13.46	3.80 - 7.90	13.5 (17/32)
89848	M10X1.5	13.46	17.40	17.53	13.46	0.70 - 3.80	13.5 (17/32)
89849	M10X1.5	13.46	17.40	20.45	13.46	3.80 - 7.90	13.5 (17/32)

RIVET INSTALLATION TOOLS



Gage Built Power Riveters & Lock Bolt Tools

**We recommend Installing Part # 72486 Orbital Swivel Fitting and Part # 72490 Pre-Set In-Line Pressure Regulator at Time of Purchase.

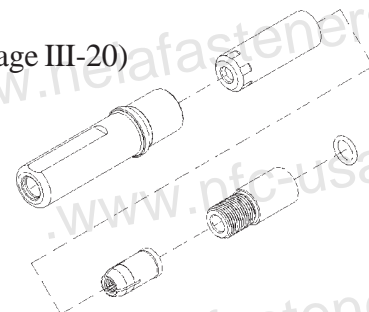
SP8-GBP703A	SP8-GBP743B	SP8-GBP722	SP8-GBP745C	
				APPLICATIONS
X				All materials 3/32" thru 3/16"
X				Aluminum thru 1/4"
		X		Blind Rivets & Blind Bolts thru 1/4" all materials
		X		Multi-Grip Lockbolts thru 1/4" all materials
X	X			Commercial Blind Rivets
	X			All materials thru 1/4"
	X			Heavy duty monobolt tool
			X	Blind Rivet & Blind Bolt thru 5/16"
		X	X	BOM® and MAGNA-GRIP® thru 1/4"
		X	X	C6L thru 3/8"
				SPECS
X	X			Accepts Cherry H703 & H743 nose assemblies
X	X			Includes Nose Assembly (703 & 743)
		X		Accepts 3/4" diameter Gage Bilt & Huck noses
			X	Accepts 1 1/16" diameter Gage Bilt & Huck® noses
X	X			One piece piston to prevent jamming

Huck Gun Jaw Sets	
Dia.	Part No.
3/16"	81021
1/4"	81022

Nose Piece Assemblies

(For Power Riveter Nose Tips, Refer to Page III-20)

Nose Assembly	Recommended Tool:	Description
SP8-MG0672220	SP8-GBP722	3/16 Multi-grip
SP8-MG0872220	SP8-GBP722	1/4 Multi-grip
SP8-MG0874548	SP8-GBP745C	1/4 Multi-grip



RIVETS

RIVET INSTALLATION TOOL ACCESSORIES

72486 Orbital Swivel Fitting



360° rotation capability, allowing users to easily maneuver air tools with minimal resistance. This freedom of movement reduces user fatigue and injury. Rotation points swivel with the hose to help eliminate kinks in the supply line. The Orbital Swivels are made of brass and nickel plated for additional durability and corrosion resistance.

APPLICATIONS

1/4" MPT X 1/4" FPT

Ideal for applications that require maximum range of motion.

72490 Pre-Set In-Line Pressure Regulator

Designed to protect intermittently operated air tools against damage caused by over-pressurization. Regulator is preset at the factory for tamperproof operation. Made of brass



1/4" 90PSI

FEATURES

- Setting will not change due to vibration.
- Compact size is lightweight and is designed to be part of the tool
- Accurate factory setting eliminates need for gauge.
- In port screen helps filter out harmful debris.

Specifications

Note: Not recommended for high volume air tools.
For use with nailers, staplers, and other intermittent air tools.

Dimensions and Weights:

Length.	2.88"	Maximum Supply Pressure:	150 PS
Diameter.	0.88"	Operating Pressure Range:	Preset
Weight.	3 oz	Maximum Operating Temp.:	175° F
		Material:	Brass
		Accuracy:	+/- 2.5 PSI at 125 PSI

Gage Bilt Trailer and Cab Kit Part No. SP8-GBP722TCK



Choose GAGE BILTS' blind rivet and lockbolt installation kit designed especially for Truck and Trailer OEM's. The GBP722TCK can be configured to meet your needs, whether you're fixing Wabash, Great Dane, Peterbilt, Kenworth or any other brand trailer or truck. The kit includes nose assemblies to pull your fasteners, and at the heart of the system is our heavy-duty GBP722 installation tool. All of this is conveniently stored in a metal tool case.

The GBP722TCK kit comes with a nose and 2 tips to install 3/16" and 1/4" structural blind rivets in any material, a catcher bag for pintails, a 3/16" nose for the stainless steel grill bolt, and a 3/16" & 1/4" Magna-Grip® nose for the hood and cab. If you want to make sure you've got all your bases covered order the GBP722TCK. It contains these nosepieces.

- SP8-MGL0875221 Blind Rivet Nose
- 8I015 3/16" Mono Bolt Nose (6V)
- 8I016 1/4" Mono Bolt Nose (8V)
- SP8-MG0671320 3/16" Magna-Grip Nose Assembly
- SP8-MG0871320 1/4" Magna-Grip Nose Assembly

RIVETS

RIVET INSTALLATION TOOLS

KWIK-LOK RIVETS

Part No. 81003

Under 3 lbs but powerful! Traction pulling strength is 2000lbs. A simple tool to operate and is equipped with nosepieces to install 1/8", 5/32" & 3/16" rivets in any metal. Spent mandrels when ejected through the rear of the tool fall into a slotted container for the operators' safety. With a fully adjustable jaw case, it is easy to maintain & very user friendly.



Kwik-Lok Rivets



The K-type sheet holder clamp is the standard Kwik-Lok clamp. It is plier actuated, spring loaded and sheet bodied. It is effective for most space requirements.

Part No.	Rivet Diameter	Drill Size
81092	1/8	#30
81094	3/16	#11

Kwik-Lok Pliers

Part No. 81090

The K-200 Kwik-Lok Pliers are constructed of forged steel, thus resisting wear and abuse. They are nickel plated to resist corrosion as well.

