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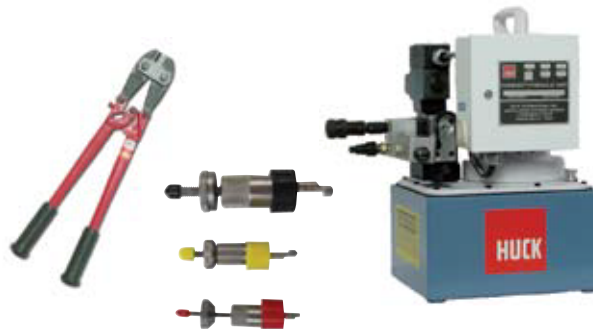
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Air Tool Services
Zenith House Aqueduct Street Preston
Lancashire PR1 7TB

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DOTCO® ANGLE DRILLS

- Vibration & noise reducing ergonomic design.
- Thermal insulation of handle.
- Textured grip for maximum comfort.

Heavy-Duty Models Also Feature:

- Extra powerful motor & sturdy angle head.
- Great tool for tough jobs not suitable for lighter models.



15LF283-62

15LN288-52

Standard 1/4" Capacity, 1/4"-28 Thread - 0.4hp (0.30kW)				
Part Number* Front Exhaust	Part Number* Rear Exhaust	RPM (no load)	Overall Length	Weight
15LF251-62	15LF281-62	5,300	10.0" (254 mm)	1.5 lbs (0.7 kgs)
15LF252-62	15LF282-62	4,000	10.0" (254 mm)	1.5 lbs (0.7 kgs)
15LF253-62	15LF283-62	3,300	10.0" (254 mm)	1.5 lbs (0.7 kgs)
15LF254-62	15LF284-62	2,400	10.4" (264 mm)	1.7 lbs (0.8 kgs)
	15LF285-62	1,000	11.1" (282 mm)	1.8 lbs (0.8 kgs)
	15LF286-62	750	11.1" (282 mm)	1.8 lbs (0.8 kgs)
	15LF287-62	600	11.1" (282 mm)	1.8 lbs (0.8 kgs)

Heavy-Duty 1/4" Capacity, 1/4"-28 Thread - 0.9 hp (0.67 kW)				
Part Number** Front Exhaust	Part Number** Rear Exhaust	RPM (no load)	Overall Length	Weight
15LN258-52	15LN288-52	3,900	11.5" (292 mm)	2.5 lbs (1.1 kgs)
	15LN281-52	3,500	11.5" (292 mm)	2.5 lbs (1.1 kgs)
15LN252-52	15LN282-52	2,170	11.5" (292 mm)	2.5 lbs (1.1 kgs)
	15LN283-52	1,300	11.5" (292 mm)	2.5 lbs (1.1 kgs)
	15LN284-52	1,070	12.8" (325 mm)	2.9 lbs (1.3 kgs)
15LN255-52	15LN285-52	870	12.8" (325 mm)	2.9 lbs (1.3 kgs)
	15LN286-52	540	12.8" (325 mm)	2.9 lbs (1.3 kgs)

'500' Heavy-Duty Angle Head	
Suffix	Spindle Thread
-51	10-32
-52 (standard)	1/4"-28
-53	9/32"-40
-54	5/16"-24
-55	3/8"-24
-59	3-Jaw Chuck
-59NC	3/8"-24

'600' Mini Angle Head	
Suffix	Spindle Thread
-62 (standard)	1/4"-28
-63	9/32"-40
-64	5/16"-24

45° Mini Angle Head	
Suffix	Spindle Thread
-42	1/4"-28
-43	9/32"-40
-44	5/16"-24

360° Mini Angle Head	
Suffix	Spindle Thread
-92	1/4"-28
-93	9/32"-40
-94	5/16"-24

'700' Compact Angle Head	
Suffix	Spindle Thread
-72	1/4"-28
-73	9/32"-40
-74	5/16"-24

Note: All Suffix numbers are not available on all models.

*Note: Standard equipment is the 600 series Mini Angle Head with 1/4"-28 internal thread (-62). To order other head types/sizes please select from the charts above the correct suffix required.

**Note: Standard equipment is the 500 Series Heavy-Duty Angle Head with 1/4"-28 internal thread (-52). To order other head types please select from the charts above the correct suffix required.

Example: For a 360° Mini Angle Head with 10-32 internal thread at 5,300 RPM, the part number would be 15LF251-91 instead of 15LF251-62 (standard)

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CHICAGO PNEUMATIC® COMPACT ANGLE DRILLS

- High precision, durable drills for long life.
- Compact lever start & 9/32"-40 thread also available.

90° Angle Head - 3/16" Capacity, 1/4"-28 Thread - 0.38 hp (0.28 kW)			
Part Number	RPM (no load)	Overall Length	Weight
D32-L-2800S	2,800	9-7/8" (251 mm)	1.6 lbs (0.7 kgs)

30° Angle Head - 3/16" Capacity, 1/4"-28 Thread - 0.38 hp (0.28 kW)			
Part Number	RPM (no load)	Overall Length	Weight
D33-L-3000S	3,000	10-1/8" (258 mm)	1.4 lbs (0.6 kgs)

360° Angle Head - 3/16" Capacity, 1/4"-28 Thread - 0.38hp (0.28 kW)			
Part Number	RPM (no load)	Overall Length	Weight
D370-L-3000S	3,000	10-1/4" (262 mm)	1.6 lbs (0.7 kgs)



D370-L-3000S

SIoux® COMPACT ANGLE DRILLS

- High precision, durable drills for long life.
- Compact lever start & 9/32"-40 thread also available.

90° Angle Head - 3/16" Capacity, 1/4"-28 Thread - 0.33 hp (0.25 kW)			
Part Number	RPM (no load)	Overall Length	Weight
1AM1551	2,800	9-7/8" (251 mm)	1.5 lbs (0.7 kgs)

45° Angle Head - 3/16" Capacity, 1/4"-28 Thread - 0.38 hp (0.28 kW)			
Part Number	RPM (no load)	Overall Length	Weight
1AM1541	2,800	10-1/8" (258 mm)	1.5 lbs (0.7 kgs)

180° Angle Head - 1/4" Capacity, 1/4" - 0.75 hp (0.56 kW)			
Part Number	RPM (no load)	Overall Length	Weight
2L1380	3,350	13-3/4" (349 mm)	2.3 lbs (1.1 kgs)



1AM1451



2L1380

U.S. INDUSTRIAL® COMPACT ANGLE DRILLS

1/4" Capacity - 0.5 hp (0.37 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
US7092DARE	2,800	12.6" (310 mm)	2.6 lbs (1.2 kgs)
US7092DARE	4,500	12.6" (310 mm)	2.6 lbs (1.2kgs)



US7092DARE

ECONOMY ANGLE DRILLS

- Affordable close quarter drilling tools

90° Angle Head - 1/4" Capacity, 1/4"-28 Thread - 0.3 hp (0.22 kW)			
Part Number	RPM (no load)	Overall Length	Weight
AIT-9750	2,800	10-1/2" (267 mm)	1.6 lbs (0.7 kgs)

45° Angle Head - 1/4" Capacity, 1/4"-28 Thread - 0.3 hp (0.22 kW)			
Part Number	RPM (no load)	Overall Length	Weight
AIT-9751	2,800	11" (279 mm)	1.6 lbs (0.7 kgs)



AIT9750



AIT9751

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SIoux® ERGONOMIC MINI AIR DRILLS

- New ergonomic housing with comfort grip.
- Teasing throttle for precise control.
- Includes 1/4" keyed chuck.

1/4" Capacity - 0.2 hp (0.15 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
1410	2,600	6-1/4" (159 mm)	1.3 lbs (0.6 kgs)
DR1412	3,600	6-1/4" (159 mm)	1.3 lbs (0.6 kgs)
DR1414	4,300	6-1/4" (159 mm)	1.3 lbs (0.6 kgs)

1/4" Capacity - 0.2 hp (0.15 kW) - Reversible			
Part Number	RPM (no load)	Overall Length	Weight
1410R	2,000	6-1/4" (159 mm)	1.3 lbs (0.6 kgs)
1412R	2,600	6-1/4" (159 mm)	1.3 lbs (0.6 kgs)



1410

DOTCO® ERGONOMIC MINI AIR DRILLS

- Dramatically redesigned ergonomics promote operator comfort.
- Perfect for tight quarters and cramped spaces.
- Includes 1/4" keyed chuck.

1/4" Capacity - 0.2 hp (0.15 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
14CFS90-38	29,000	5-3/4" (146 mm)	1.5 lbs (0.7 kgs)
14CFS91-38	5,200	5-3/4" (146 mm)	1.5 lbs (0.7 kgs)
14CFS92-38	3,800	5-3/4" (146 mm)	1.5 lbs (0.7 kgs)
14CFS93-38	3,200	5-3/4" (146 mm)	1.5 lbs (0.7 kgs)
14CFS94-38	2,400	5-3/4" (146 mm)	1.6 lbs (0.7 kgs)
14CFS95-38	1,000	6-7/8" (175 mm)	1.8 lbs (0.8 kgs)
14CFS96-38	700	6-7/8" (175 mm)	1.8 lbs (0.8 kgs)
14CFS97-38	600	6-7/8" (175 mm)	1.7 lbs (0.8 kgs)



14CFS90-38

CHICAGO PNEUMATIC® MINI AIR DRILLS

- An incredibly compact and lightweight general purpose tool.
- Teasing throttle.
- Includes Jacobs 1/4" keyed chuck.
- Economically priced.

1/4" Capacity - 0.25 hp (0.19 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
CP7300	2,800	5" (127 mm)	1.35 lbs (0.6 kgs)
CP7300R	2,700	5" (127 mm)	1.35 lbs (0.6 kgs)



CP7300

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SIoux® HIGH POWER AIR DRILLS

- Ergonomic design
- Teasing trigger and down handle exhaust.
- Includes keyed chuck.



SDR10P60N2

1/4" Capacity - 1.0 hp (0.75 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
SDR10P60N2	6,000	6-1/2" (165 mm)	2.3 lbs (1.05 kgs)

3/8" Capacity - 1.0 hp (0.75 kW) - Reversible			
Part Number	RPM (no load)	Overall Length	Weight
SDR10P26N3	2,600	7" (180 mm)	2.45 lbs (1.10 kgs)
SDR10P12N3	1,200	8" (205 mm)	2.9 lbs (1.3 kgs)
SDR10P7N3	700	8" (205 mm)	2.9 lbs (1.3 kgs)

1/4" Capacity - 1.0 hp (0.75 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
SDR10P60N2	6,000	6-1/2" (165 mm)	2.3 lbs (1.05 kgs)

CHICAGO PNEUMATIC® HIGH POWER AIR DRILLS

- Ergonomic & lightweight design.
- Teasing trigger and down-handle exhaust.
- Includes keyed chuck.



DR350

5/16" Capacity - 0.5 hp (0.35 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
DR350-P4500-C8	4,500	5.34" (136 mm)	1.4 lbs (0.62 kgs)

5/16" Capacity - 0.38 hp (0.28 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
DR350-P3000-C8	3,000	5.34" (136 mm)	1.4 lbs (0.62 kgs)

CHICAGO PNEUMATIC® HIGH POWER DRILLS

- Ergonomic design
- Teasing trigger and down handle exhaust.
- Includes keyed chuck.



DR750

5/16" Capacity - 1.0 hp (0.75 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
DR750-P4100-C8	4,100	8-3/8" (213 mm)	2.43 lbs (1.1 kgs)

1/2" Capacity - 1.0 hp (0.75 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
DR750-P750-C13	750	8-7/8" (225 mm)	3.52 lbs (1.6 kgs)

CHICAGO PNEUMATIC® ECONOMY ANGLE DRILLS

- Teasing throttle & triple idler planetary gears.
- Double ball bearing supported spindle.
- Includes Keyed chuck. • Compact lever start & 9/32"-40 thread also available.



CP785

3/8" Capacity - 0.5 hp (0.37 kW) - Non-Reversible

Part Number	RPM (no load)	Overall Length	Weight
CP785	2,400	7" (178 mm)	2.25 lbs (1.0 kgs)

1/2" Capacity - 0.5 hp (0.37 kW) Non-Reversible

Part Number	RPM (no load)	Overall Length	Weight
CP785H	500	7-3/4" (197 mm)	3 lbs (1.4 kgs)

PLAIN BEARING CHUCKS

Part Number	Capacity	Mount Thread	Key Number	Fluted/Smooth
*J0532	5/32"	0 JT-1/4-28	K0	Smooth
1B	1/4"	3/8-24	K1	Smooth
7BA	1/4"	3/8-24	K7	Fluted
41BA	3/8"	3/8-24	K30	Fluted
33BA-3/8	1/2"	3/8-24	K32	Fluted
33BA-1/2	1/2"	1/2-20	K32	Fluted

*J0532 comes with 1/4-28 adapter.



J0532

CHUCK KEYS

Part Number	Model - Type	Pilot Size
K0	K0 - 'T' Handle	1/8"
K1	K1 - 'T' Handle	1/8"
K7	K7 - Thumb Handle	7/32"
K30	K30 - Thumb Handle	15/64"
K32	K32 - Thumb Handle	1/4"



K0

ROHM KEYLESS CHUCKS

Part Number	Capacity Range	Mount Thread
TP248	0 - 1/4"	3/8" - 24
TP248A	0 - 1/4"	3/8" - 24
TP248B	0-3/8"	3/8" - 24

TP248A
TP248B

TP248

CONE-JAW CHUCK WITH WRENCH

- Light-duty tool fits most angle drills with female thread.
- Use standard drills.

Part Number	Capacity Range	Mount Thread
TP57	1/4"	1/4"-28



TP57

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DOTCO® ERGONOMIC AIR DRILLS

- Dramatically redesigned ergonomics promote operator comfort.
- Perfect for tight quarters and cramped spaces.
- Gears are heat-treated alloy steel, with fixed cages to control centers.
- Includes 1/4" keyed chuck.



14CSL

1/4" Capacity - 0.6 hp (0.45 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
14CSL90-38	20,000	6.3" (160 mm)	2.1 lbs (1.0 kgs)
14CSL98-38	6,000	6.3" (160 mm)	2.1 lbs (1.0 kgs)
14CSL91-38	5,200	6.3" (160 mm)	2.1 lbs (1.0 kgs)
14CSL92-38	3,200	6.3" (160 mm)	2.1 lbs (1.0 kgs)
14CSL95-38	1,300	8.1" (205 mm)	2.9 lbs (1.3 kgs)
14CSL97-51	500	8.1" (205 mm)	2.9 lbs (1.3 kgs)

DOTCO® HIGH ERGONOMIC AIR DRILLS

- Dramatically redesigned ergonomics promote operator comfort.
- Perfect for tight quarters and cramped spaces.
- Gears are heat-treated alloy steel, with fixed cages to control centers.
- Includes 1/4" keyed chuck.



14CNL

1/4" Capacity - 0.9 hp (0.45 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
14CNL90-38	20,000	6.8" (173 mm)	2.2 lbs (1.0 kgs)
14CNL98-38	6,000	6.8" (173 mm)	2.2 lbs (1.0 kgs)
14CNL91-38	5,200	7.2" (183 mm)	2.4 lbs (1.0 kgs)
14CNL92-38	3,200	7.2" (183 mm)	2.4 lbs (1.0 kgs)
14CNL95-38	1,300	8.6" (218 mm)	2.8 lbs (1.3 kgs)
14CNL97-51	500	9.1" (231 mm)	3.5 lbs (1.3 kgs)

CLECO® VARIABLE SPEED AIR DRILLS

- Calibrated dial on rear of tool simplifies drill speed selection.
- Choice of three governed speed models to match material.
- Can be used with feed assist for accurate, perpendicular holes.
- Includes keyed chuck.



135DPV-7B-43

Part Number	Description
861006	*Required Support Handle for 1/2" Capacity Models

3/8" Capacity - 0.7 hp (0.52 kW) - Non-Reversible				
Part Number	RPM (no load)	RPM (governed)	Overall Length	Weight
135DVP-7B-43	600	150-550	9.4" (244 mm)	3.625 lbs (1.6 kgs)
135DVP-14B-51	1,250	400-1,200	9.1" (235 mm)	3.375 lbs (1.5 kgs)
135DVP-28B-51	2,600	700-2,400	8" (216 mm)	3.125 lbs (1.4 kgs)

1/2" Capacity - 0.7 hp (0.52 kW) - Non-Reversible				
Part Number	RPM (no load)	RPM (governed)	Overall Length	Weight
135DVP-7B-50*	600	150-550	9.4" (244 mm)	3.625 lbs (1.6 kgs)
135DVP-14B-50*	1,250	400-1,200	9.1" (235 mm)	3.375 lbs (1.5 kgs)

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JOBBER, 6" & 12" DRILL SETS

High Speed Steel - Cobalt

- TP49 Type - Self-centering for aluminum, 118° split point
- TP49B Type - Self-centering for hard steels & titanium, 135° split point
- TP49C Type - Self-centering for high tensile strength material, 135° split point
- TP55 Type - 6" 135° SP HSS
- TP55A Type - 12" 135° SP HSS
- TP55C Type - 12" 135° SP Cobalt
- TP55AC Type - 12" 135° SP Cobalt

Number Sizes

Size	Dec. Equiv.	Flute Length	Part # OAL	TP49B	TP49C	TP55	TP55A	TP55C	TP55AC
				HSS 135° SP	Cobalt 135° SP	HSS 135° SP 6" OAL	Cobalt 135° SP 6" OAL	HSS 135° SP 12" OAL	Cobalt 135° SP 12" OAL
1	.2280	2-5/8	3-7/8	•	•	•	•	•	•
2	.2210	2-5/8	3-7/8	•	•	•	•	•	•
3	.2130	2-1/2	3-3/4	•	•	•	•	•	•
4	.2090	2-1/2	3-3/4	•	•	•	•	•	•
5	.2055	2-1/2	3-3/4	•	•	•	•	•	•
6	.2040	2-1/2	3-3/4	•	•	•	•	•	•
7	.2010	2-7/16	3-5/8	•	•	•	•	•	•
8	.1990	2-7/16	3-5/8	•	•	•	•	•	•
9	.1960	2-7/16	3-5/8	•	•	•	•	•	•
10	.1935	2-7/16	3-5/8	•	•	•	•	•	•
11	.1910	2-5/16	3-1/2	•	•	•	•	•	•
12	.1890	2-5/16	3-1/2	•	•	•	•	•	•
13	.1850	2-5/16	3-1/2	•	•	•	•	•	•
14	.1820	2-3/16	3-3/8	•	•	•	•	•	•
15	.1800	2-3/16	3-3/8	•	•	•	•	•	•
16	.1770	2-3/16	3-3/8	•	•	•	•	•	•
17	.1730	2-3/16	3-3/8	•	•	•	•	•	•
18	.1695	2-1/8	3-1/4	•	•	•	•	•	•
19	.1660	2-1/8	3-1/4	•	•	•	•	•	•
20	.1610	2-1/8	3-1/4	•	•	•	•	•	•
21	.1590	2-1/8	3-1/4	•	•	•	•	•	•
22	.1570	2	3-1/8	•	•	•	•	•	•
23	.1540	2	3-1/8	•	•	•	•	•	•
24	.1520	2	3-1/8	•	•	•	•	•	•
25	.1495	1-7/8	3	•	•	•	•	•	•
26	.1470	1-7/8	3	•	•	•	•	•	•
27	.1440	1-7/8	3	•	•	•	•	•	•
28	.1405	1-3/4	2-7/8	•	•	•	•	•	•
29	.1360	1-3/4	2-7/8	•	•	•	•	•	•
30	.1285	1-5/8	2-3/4	•	•	•	•	•	•

*When ordering, specify part number and add desired size to the end of the part number.

Example: To order a 135° SP cobalt drill in 1/64" size, specify TP49C-1/64.

(Jobber drill sets 31-60 continued on following page)

JOBBER, 6" & 12" DRILL SETS

Number Sizes (CONTINUED)

Part #			TP49B	TP49C	TP55	TP55A	TP55C	TP55AC	
Size	Dec. Equiv.	Flute Length	OAL	HSS 135° SP	Cobalt 135° SP	HSS 135° SP 6" OAL	Cobalt 135° SP 6" OAL	HSS 135° SP 12" OAL	Cobalt 135° SP 12" OAL
31	.1200	1-5/8	2-3/4	•	•	•	•	•	•
32	.1160	1-5/8	2-3/4	•	•	•	•	•	•
33	.1130	1-1/2	2-5/8	•	•	•	•	•	•
34	.1110	1-1/2	2-5/8	•	•	•	•	•	•
35	.1100	1-1/2	2-5/8	•	•	•	•	•	•
36	.1065	1-7/16	2-1/2	•	•	•	•	•	•
37	.1040	1-7/16	2-1/2	•	•	•	•	•	•
38	.1015	1-7/16	2-1/2	•	•	•	•	•	•
39	.0995	1-3/8	2-3/8	•	•	•	•	•	•
40	.0980	1-3/8	2-3/8	•	•	•	•	•	•
41	.0960	1-3/8	2-3/8	•	•	•	•	•	•
42	.0935	1-1/4	2-1/4	•	•	•	•	•	•
43	.0890	1-1/4	2-1/4	•	•	•	•	•	•
44	.0860	1-1/8	2-1/8	•	•	•	•	•	•
45	.0820	1-1/8	2-1/8	•	•	•	•	•	•
46	.0810	1-1/8	2-1/8	•	•	•	•	•	•
47	.0785	1	2	•	•	•	•	•	•
48	.0760	1	2	•	•	•	•	•	•
49	.0730	1	2	•	•	•	•	•	•
50	.0700	1	2	•	•	•	•	•	•
51	.0670	1	2	•	•	•	•	•	•
52	.0635	7/8	1-7/8	•	•	•	•	•	•
53	.0595	7/8	1-7/8	•	•	•	•	N/A	N/A
54	.0550	7/8	1-7/8	•	•	•	•	N/A	N/A
55	.0520	7/8	1-7/8	•	•	•	•	N/A	N/A
56	.0465	3/4	1-3/4	•	•	•	•	N/A	N/A
57	.0430	3/4	1-3/4	•	•	•	•	N/A	N/A
58	.0420	11/16	1-5/8	•	•	•	•	N/A	N/A
59	.0410	11/16	1-5/8	•	•	•	•	N/A	N/A
60	.0400	11/16	1-5/8	•	•	•	•	N/A	N/A

*When ordering, specify part number and add desired size to the end of the part number.
Example: To order a 135° SP cobalt drill in 1/64" size, specify TP49C-1/64.

(Fractional size Jobber drill sets continued on following page)

JOBBER, 6" & 12" DRILL SETS

Fractional Sizes

		Part #		TP49B	TP49C
Size	Dec. Equiv.	Flute Length	OAL	HSS 135° SP	Cobalt 135° SP
1/64	.0156	3/16	3/4	N/A	•
1/32	.0312	1/2	1-3/8	N/A	•
3/64	.0469	3/4	1-3/4	N/A	•
1/16	.0625	7/8	1-7/8	•	•
5/64	.0781	1	2	•	•
3/32	.0938	1-1/4	2-1/4	•	•
7/64	.1094	1-1/2	2-5/8	•	•
1/8	.1250	1-5/8	2-3/4	•	•
9/64	.1406	1-3/4	2-7/8	•	•
5/32	.1562	2	3-1/8	•	•
11/64	.1719	2-1/8	3-1/4	•	•
3/16	.1875	2-5/16	3-1/2	•	•
13/64	.2031	2-7/16	3-5/8	•	•
7/32	.2188	2-1/2	3-3/4	•	•
15/64	.2344	2-5/8	3-7/8	•	•
1/4	.2500	2-3/4	4	•	•

		Part #		TP49B	TP49C
Size	Dec. Equiv.	Flute Length	OAL	HSS 135° SP	Cobalt 135° SP
17/64	.2656	2-7/8	4-1/8	•	•
9/32	.2812	2-15/16	4-1/4	•	•
19/64	.2969	3-1/16	4-3/8	•	•
5/16	.3125	3-3/16	4-1/2	•	•
21/64	.3281	3-5/16	4-5/8	•	•
11/32	.3438	3-7/16	4-3/4	•	•
23/64	.3594	3-1/2	4-7/8	•	•
3/8	.3750	3-5/8	5	•	•
25/64	.3906	3-3/4	5-1/8	N/A	•
13/32	.4062	3-7/8	5-1/4	•	•
27/64	.4219	3-15/16	5-3/8	N/A	•
7/16	.4375	4-1/16	5-1/2	•	•
29/64	.4531	4-3/16	5-5/8	•	•
15/32	.4688	4-5/16	5-3/4	•	•
31/64	.4843	4-1/2	6	•	•
1/2	.5000	4-1/2	6	•	•

Jobber Length Drill Bit Sets

TP249

60 pc.

Number sizes 1 through 60 -118°, HSS

TP249A

15 pc.

Fractional sizes 1/16" through 1/2" by 32nds - 135° Split Point, HSS

TP249B

21 pc.

Fractional sizes 1/16" through 3/8" by 64ths - 135° Split Point, HSS

TP249C

60 pc.

Number sizes 1 through 60 - 135° Split Point, Cobalt)

TP249D

21 pc.

Fractional sizes 1/16" through 3/8" by 64ths - 135° Split Point, Cobalt

All sets come complete with steel storage box.*TP249**

SIoux® LEVER GRIP AIR DRILLS

- Comfort grip.
- Lever start, rear exhaust.
- Includes keyed chuck.

1/4" Capacity - 0.33 hp (0.25 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
1420	2,600	8" (203 mm)	1.2 lbs (0.5 kgs)
DR1422	3,600	8" (203 mm)	1.2 lbs (0.5 kgs)



DOTCO® LEVER GRIP AIR DRILLS

1/4" Capacity - 0.4 hp (0.30 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
15LF081-38	5,300	8" (203 mm)	1.4 lbs (0.6 kgs)
15LF082-38	4,000	8" (203 mm)	1.4 lbs (0.6 kgs)
15LF083-38	3,000	8" (203 mm)	1.4 lbs (0.6 kgs)



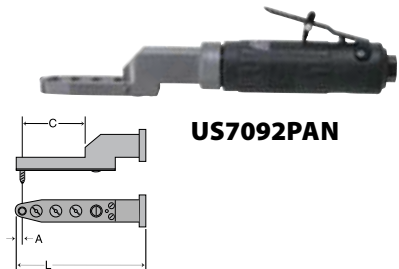
U.S. INDUSTRIAL® LEVER GRIP AIR DRILLS

1/4" Capacity - 0.75hp (0.45 kW) - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
US70925DRE-2800	2,800	8" (203 mm)	2 lbs (0.91 kgs)
US70925DRE-4500	4,500	8" (203 mm)	2 lbs (0.91 kgs)



U.S. INDUSTRIAL® FLAT ANGLE DRILLS

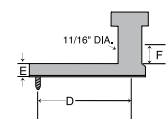
1/4" -28 Spindle Thread			
Part Number	RPM (no load)	Overall Length	Weight
US7092PAN-2800	2,800	11" (274 mm)	2.65 lbs (1.2 kgs)
US7092PAN-4500	4,500	11" (274 mm)	2.65 lbs (1.2 kgs)



1/4" -28 Spindle Thread			
Part Number	RPM (no load)	Overall Length	Weight
US7092FO-2800	2,800	8.75" (222 mm)	2.2 lbs (0.99 kgs)
US7092FO-4500	4,500	8.75" (222 mm)	2.2 lbs (0.99 kgs)



Specifications	
A = 7/16"	E = 5/8 lbs.
C = 2-1/8"	F = 2-3/8 lbs.
D = 2 -7/16"	L = 4-1/8 lbs.



SNAKE DRILL ATTACHMENTS

Part #	Type	Capacity	Spindle Thread	Height	Side to Center	Diameter	Length
N522	Straight Head	5/16"	1/4"-28	11/16"	5/8"	11/16"	22"
N602	Straight Jacobs Chuck	5/32"	N/A	N/A	N/A	N/A	30"
N602-1	Stright Jacobs Chuck	1/4"	N/A	N/A	N/A	N/A	30"
N63	90° Angle Head	1/4"	1/4"-28	1-3/8"	.384"	N/A	30"
N51-1	90° Mini Angle Head	5/16"	10-32	15/16"	.275"	11/16"	22"
N6345	45° Angle Head	1/4"	1/4"-28	1-3/16"	.400"	3/4"	30"
N634	360° Adjustable Angle Head	1/4"	1/4"-28	1-1/4"	.384"	3/4"	30"
TP47	90° Angle Head	5/16"	1/4"-28	.937"	.312"	3/4"	26"



360° SNAKE DRILL ATTACHMENT

- Angle head rotates a full 360° & can be locked in any position.
- TP54 chuck (accepts straight shank drills).
- Includes wrenches & allen key.

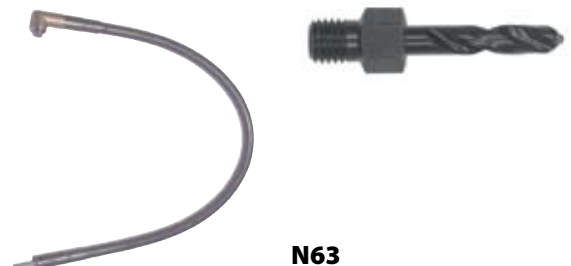
Part #	Capacity	Spindle Thread	Height	Side to Center	Diameter	Length
TP367	1/4"	1/4"-28	3"	.385"	.608"	30"



SNAKE DRILL ATTACHMENT KIT

- Everything you need
- Kit includes:
 - Angle Drill Attachment (N63)
 - Threaded Shank Drills (1 each #40, #30, #21)

Part Number	Description
N63K	Complete Kit



ANGLE DRILL ATTACHMENTS

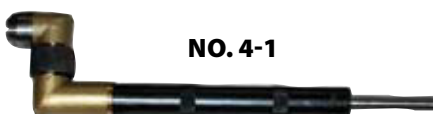
- Quickly connect to any drill chuck.
- A convenient & inexpensive close quarter drilling tool.



NO. 3

Part Number	Type	Capacity	Spindle Thread	Height	Side to Center	Diameter	Length
No. 3	90°	5/16"	1/4"-28	1.5"	.750"	3/4"	7-1/8"
No. 0	90° Midget	1/4"	10-32	.750"	.212"	1/2"	6"
No. 345	45°	1/4"	1/4"-28	1.375"	.400"	3/4"	7-1/2"
No. 1-1	90°	3/16"	1/4"-28	1"	.290"	1/2"	6"
TP4	90°	5/16"	1/4"-28	.9375"	.312"	3/4"	7"

360° ANGLE DRILL ATTACHMENT



NO. 4-1

Part Number	Capacity	Spindle Thread	Height	Side to Center	Shaft Offset	Diameter	Length
No. 4-1	1/4"	1/4"-28	1-1/4"	.384"	1-7/16"	3/4"	7-5/8"

ANGLE DRILL ATTACHMENT WITH CHUCK



NO. 2

Part Number	Capacity	Height	Side to Center	Diameter	Length
No. 2	5/32"	2-7/16" (62mm)	.425" (11 mm)	3/4" (19 mm)	7-1/8" (181 mm)

90° ANGLE DRILL ATTACHMENT KIT

- Everything you need in one sturdy plastic box (included).
- Kit includes:
 - Angle Drill Attachment (No. 3)
 - Threaded Shank Drills (1 each #40, #30, #21)

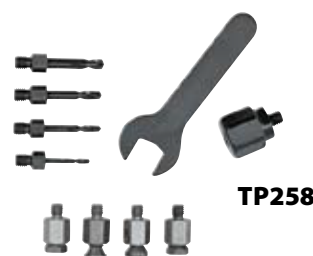


NO. 3

Part Number	Description
TP4K	Complete Kit

ANGLE DRILL COLLET & CHUCK KIT

- Each shank is 1/4" x 28 which will thread most drill spindles that angle attachments and angle drills are supplied with.
- Kit includes:
 - (4) #200 collets & adapters - drill sizes #40, #30, #21 & #10
 - (4) threaded drill bits (1-1/4" length) - drill sizes #40, #30, #21 & #10
 - (1) cone jaw chuck (TP57)



TP258

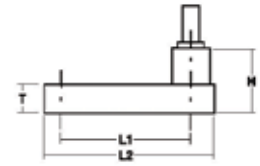
Part Number	Description
TP258	10 Piece Kit

FLAT OFFSET ANGLE DRILL ATTACHMENTS

- Available with either #10-32 or 1/4-28 spindle thread, please specify.

1/8" Capacity - 'T' Thickness: 1/4"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
T-21	3/4"	1-1/2"	5-5/8"

1/4" Capacity - 'T' Thickness: 7/16"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
T-23	1-5/32"	2-3/16"	6-1/2"
T-25	2-5/16"	3-3/16"	2"
T-235	2-5/16"	3-3/16"	6-5/8"
T-635	2-5/16"	3-3/16"	30"



T-25



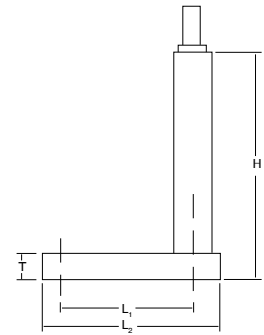
T635

THIN OFFSET ANGLE DRILL ATTACHMENTS

- Hardened & ground bearing support shafts.
- 1/4"-28 thread standard.

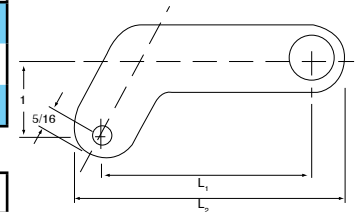
Straight - 'T' Thickness: 3/8"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
BE720	2-7/16" (62 mm)	3-3/16" (81 mm)	1-1/8" (29 mm)
BE725	2-7/16 (62 mm)	3-3/16" (81 mm)	4-9/16" (116 mm)
BE730	3-3/4" (95 mm)	4-1/2" (114 mm)	1-1/8" (29 mm)
BE735	3-3/4" (95 mm)	4-1/2" (114 mm)	4-9/16" (116 mm)

Straight - 'T' Thickness: 1/4"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
BE820	2-7/16" (62 mm)	-	11/16" (18 mm)
BE825	2-7/16 (62 mm)	-	5-3/16" (132 mm)
BE830	3-3/4" (95 mm)	-	11/16" (18 mm)
BE835	3-3/4" (95 mm)	-	5-3/16" (132 mm)

BE720
BE820

30° Offset - 'T' Thickness: 3/8"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
BE745	3-1/8" R (79 mm)	4" (102 mm)	4-9/16" (116 mm)
BE755	3-1/8" L (79 mm)	4" (102 mm)	4-9/16" (116 mm)

30° Offset - 'T' Thickness: 1/4"			
Part Number	'L1' Shaft Offset	'L2' Overall Length	'H' Overall Height
BE845	Right	-	4-1/8" (105 mm)
BE855	Left	-	4-1/8" (105 mm)

BE745
BE845

SIoux® HEAVY-DUTY ERGO ANGLE DRILLS

- Lever start, rear exhaust
- Operates quietly & effectively in areas inaccessible to other tools.

1/4" Capacity - 0.5 hp (0.37 kW) Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
2S1310	2,200	7-3/4" (197 mm)	2.6 lbs (1.2 kgs)



2S1310

1/4" Capacity Chuck, 3/8"-24 Thread - 0.75 hp (0.56 kW)			
Part Number	RPM (no load)	Overall Length	Weight
2A1310	2,200	7-3/4" (197 mm)	2.6 lbs (1.2 kgs)

1/2" Capacity Chuck, 1/2"-20 Thread - 1.0 hp (0.75 kW)			
Part Number	RPM (no load)	Overall Length	Weight
3A1240	600	15-1/8" (384 mm)	6.5 lbs (2.9 kgs)



3A1240

FORCE SIoux DRILLS

Economy Models

3/8" Capacity - Non-Reversible			
Part Number	RPM (no load)	Overall Length	Weight
FDR5440	2,300	7.9" (201 mm)	2.1 lbs (.95 kgs)



FDR5440

3/8" Capacity - Reversible			
Part Number	RPM (no load)	Overall Length	Weight
SX5445R	1,800	8" (203 mm)	2.5 lbs (1.13 kgs)



SX5445R

1/2" Capacity - Reversible			
Part Number	RPM (no load)	Overall Length	Weight
SX5450R	550	9.25" (235 mm)	4.3 lbs (1.95 kgs)



SX5450R

*Note: Supplied support handle

3/8" Capacity - Reversible			
Part Number	RPM (no load)	Overall Length	Weight
FDR5430	1200	8" (203 mm)	2.5 lbs (1.13 kgs)



FDR5430

Air Tool Services
Zenith House Aqueduct Street Preston
Lancashire PR1 7TB

Air Tool Services
01772 557700
www.airtoolservices.co.uk

THREADED SHANK ADAPTER DRILLS

• Drills made to NAS965 specifications.

• When ordering specify part number and add desired size to the end of the part number.

Example: To order a 5/8" long HSS drill in #40 size, specify TP54A-40.

TP54 = 1/4-28 rnd TP53 = 10/32 rnd



TP54

Part #		TP53	TP54A	TP54	TP54L	TP54CA	TP54C	TP54CL
Size	Dec. Equiv.	HSS L=1-1/4"	HSS L=5/8"	HSS L=1-1/4"	HSS L=2-1/2"	Cobalt L=5/8"	Cobalt L=1-1/4"	Cobalt L=2-1/2"
40	.0980	•	•	•	•	•	•	•
30	.1285	•	•	•	•	•	•	•
27	.1440	•	•	•	•	•	•	•
21	.1590	•	•	•	•	•	•	•
20	.1610		•	•	•	•	•	•
19	.1660		•	•	•	•	•	•
16	.1770		•	•	•	•	•	•
13	.1850		•	•	•	•	•	•
3/16	.1875	•	•	•	•	•	•	•
12	.1890		•	•	•	•	•	•
11	.1910		•	•	•	•	•	•
10	.1935	•	•	•	•	•	•	•
8	.1990		•	•	•	•	•	•
5	.2055		•	•	•	•	•	•
3	.2130		•	•	•	•	•	•
7/32	.2188		•	•	•	•	•	•
D	.2460		•	•	•	•	•	•
1/4	.2500		•	•	•	•	•	•
F	.2570		•	•	•	•	•	•
5/16	.3125		•	•	•	•	•	•

THREADED SHANK ADAPTER DRILL SETS

• Includes the most popular sizes, 1/4"-28 threaded shank.



TP54

Part Number	Quantity	Type	Sizes
TP54K-8	8	HSS Short	#10, #21, #30, #40
TP54CAK-8	8	Cobalt Stubby	#10, #21, #30, #40
TP54K-12	12	HSS Short	#10, #21, #30, #40
TP54K-24	24	HSS Short	#10, #21, #30, #40
TP54CK-24	12	Cobalt Short	#10, #21, #30, #40
TP54L-12	12	HSS Long	#10, #21, #30, #40
TP54LK-8	8	HSS Long	#10, #21, #30, #40
TP54CLK-12	12	Cobalt Long	#10, #21, #30, #40
TP54CLK-8	8	Cobalt Long	#10, #21, #30, #40

IRWIN UNIBIT® SELF-STARTING STEP DRILLS

- Many other styles available, please inquire.



TPA5611

Part Number	Fractional H.S.S.	Number of Holes	Hole Sizes	Increments	Shank Size	Max. Material Thickness
TPA5611		13	1/8" to 1/2"	1/32"	1/4"	1/8"
TPA5612		6	3/16" to 1/2"	1/16"	1/4"	3/8"
TPA5610		9	1/4" to 3/4"	1/16"	3/8"	1/8"
TPA5613		12	3/16" to 7/8"	1/16"	3/8"	1/8"
TPA5614		10	1/4" to 1-3/8"	1/8"	1/2"	1/8"

IRWIN UNIBIT® STEP DRILL SETS

- Money saving sets provide a range of hole sizes.
- Preferred by homebuilders.

3 Piece Set

Hole Sizes: 1/8" to 3/4" (1/8" material) & 3/16" to 1/2" (3/8" material)

Part Number	Description
TPA561KIT	3 Piece Set

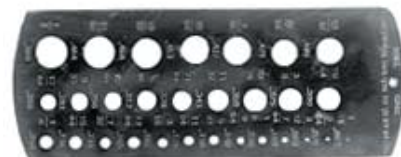


TPA561KIT

DRILL GAUGES

- Made of heavy gauge steel, machined & ground to close tolerances.
- Hole sizes & decimal equivalents permanently etched into face.

Part Number	Drill Types & Sizes
TP565A	Fractional Size Drills (1/16" to 1/2" x 64ths)
TP565B	Number Size Drills (1 to 60)
TP565C	Letter Size Drills (A to Z)
TP565M	Metric Size Drills (to 13mm x .05mm)



TP565A

DRILL STOPS

Designed as a visual aid that helps eliminate drill bit breakage and provides a sure stop to regulate hole depth.

- Locks in drill with two set screws.
- Unique rounded face eliminates surface marring.



TP145DSK

Part Number	Drill Sizes
CDS50	#50
CDS40	#40
CDS30	#30
CDS28	#28
CDS27	#27
CDS21	#21
CDS20	#20
CDS12	#12
CDS11	#11
CDS10	#10
CDS-1/4	1/4"
CDS-5/16	5/16"

* Note: Other sizes available.

Drill Stop 4 piece Set	
Part Number	Included Sizes
TP145DSK	1 ea: #10, #21, #30, #40

Drill Stop 8 piece Set	
Part Number	Included Sizes
TP145DSK1	1 ea: #10, #12, #20, #21, #28, #30, #40, #50

Drill Stop 10 piece Set	
Part Number	Included Sizes
TP145DSK2	1 ea: 1/4", 5/16", #10, #12, #20, #21, #28, #30, #40, #50

EXTENDRILL



770A4



770A9

- For deep or long reach jobs.
- 1/4" shank extension rods.
- Uses 770A collets.

Part Number	Length
770A4	4"
770A9	9"

Part Number	Collet Size
770A-#40	#40
770A-#30	#30
770A-#21	#21
770A-#10	#10

* Note: Other sizes available.

THREE STEP HAND TAP



TP231

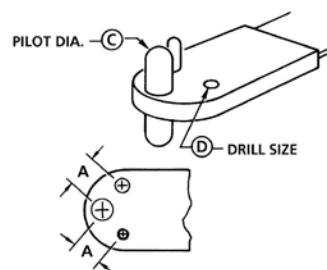
- Ideal for retapping stripped heads.
- Taps 3 thread sizes: 6-32, 8-32 and 10-32.

Part Number	Description
TP231	3 Stop Tap
TP231R	Replacement Tap

NUT PLATE DRILL JIGS

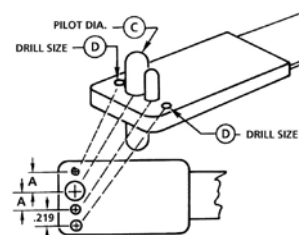
- Designed for accurate drilling of rivet holes for plate nuts.
- Flexible handle provides hand clearance when jig is in use.

Miniature Corner Wing					
Part Number	Bolt Size Ref.	'A' Dim.	Pilot Diameter	Drill Size	
AIT518-SA	#4	.203"	.112"	#40	
AIT518-SB	#6	.218"	.139"	#40	
AIT518-SC	#8	.234"	.164"	#40	
AIT518-SD	#10	.250"	.191"	#40	
AIT518-SE	1/4"	.281"	.248"	#40	
AIT518-SF	5/16"	.312"	.312"	#30	



AIT518-SA

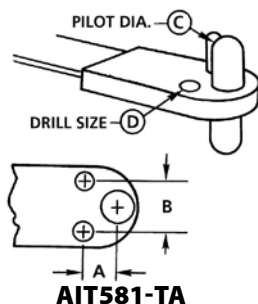
Miniature One Lug					
Part Number	Bolt Size Ref.	'A' Dim.	Pilot Diameter	Drill Size	
AIT518-PA	#4	.203"	.112"	#40	
AIT518-PB	#6	.218"	.139"	#40	
AIT518-PC	#8	.234"	.164"	#40	
AIT518-PD	#10	.250"	.191"	#40	
AIT518-PE	1/4"	.281"	.248"	#40	



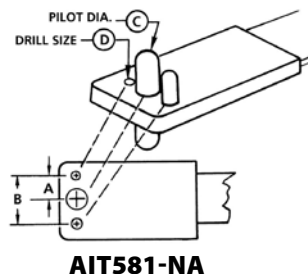
AIT518-PA

Miniature Anchornut						
Part Number	Bolt Size Ref.	'A' Dim.	'B' Dim.	Pilot Diameter	Drill Size	
AIT518-TA	#10	.250"	.219"	.191"	#40	
AIT518-TB	1/4"	.281"	.219"	.248"	#40	
AIT518-TC	5/16"	.312"	.250"	.312"	30	

Miniature Two Lug						
Part Number	Bolt Size Ref.	'A' Dim.	'B' Dim.	Pilot Diameter	Drill Size	
AIT518-NA	#4	.203"	.406"	.112"	#40	
AIT518-NB	#6	.218"	.436"	.139"	#40	
AIT518-NC	#8	.234"	.468"	.164"	#40	
AIT518-ND	#10	.250"	.500"	.191"	#40	
AIT518-NE	1/4"	.281"	.562"	.248"	#40	
AIT518-NF	5/16"	.3125"	.625"	.312"	#30	



AIT518-TA



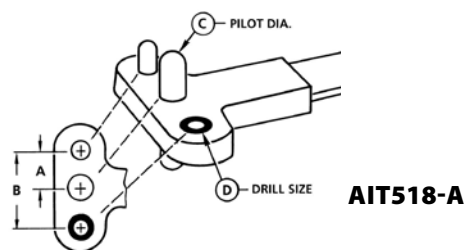
AIT518-NA

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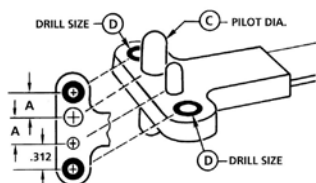
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NUT PLATE DRILL JIGS

- Designed for accurate drilling of rivet holes for plate nuts.
- Flexible handle provides hand clearance when jig is in use.

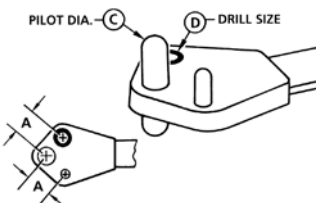


Two Lug					
Part Number	Bolt Size Ref.	'A' Dim.	'B' Dim.	Pilot Diameter	Drill Size
AIT518-A	#6	.344"	.688"	.139"	#40
AIT518-B	#8	.344"	.688"	.164"	#40
AIT518-C	#10	.344"	.688"	.191"	#40
AIT518-D	1/4"	.500"	1.000"	.248"	#40
AIT518-E	5/16"	.500"	1.000"	.312"	#30
AIT518-F	3/8"	.500"	1.000"	.372"	#30
AIT518-M	-	.375"	.750"	.4375"	#40
AIT518-N	-	.500"	1.000"	.6875"	#30
AIT518-P	-	.6875"	1.375"	.811"	#30



AIT518-G

One Lug Type				
Part Number	Bolt Size Ref.	'A' Dim.	Pilot Diameter	Drill Size
AIT518-G	#6	.344"	.139"	#40
AIT518-H	#8	.344"	.164"	#40
AIT518-J	#10	.344"	.191"	#40
AIT518-K	1/4"	.344"	.248"	#40
AIT518-L	#10 Sp.	.344"	.213	#40



AIT518-R

Corner Type				
Part Number	Bolt Size Ref.	'A' Dim.	Pilot Diameter	Drill Size
AIT518-R	#6	.344"	.139"	#40
AIT518-S	#8	.344"	.164"	#40
AIT518-T	#10	.344"	.191"	#40
AIT518-U	1/4"	.500"	.248"	#40
AIT518-V	5/16"	.500"	.312	#30
AIT518-W	3/8"	.500"	.372"	#30

HI-SHEAR ULTRALITE®

- Ergonomic, lightweight design.
- Only one hand required to locate, drill & countersink both holes in 4 seconds.
- Easily convert rivet spacings with interchangeable foot attachments.
- Available in single wing, double wing & mickey mouse models.
- Accommodates all nutplate spindle spacings from 0.219" to 1.125".
- Fully adjustable feed rate.
- Many options available, please inquire.



Stroke Length	Spindle Speed	Horsepower	Feed Rate Change	Collet Stroke Length	Weight
1/2"	600 or 7,000 RPM	0.54 HP	0.001" to 0.012" Per Revolution	1/4"	4.75 lbs (2.2 kgs)

NUTPLATE DRILL/COUNTERSINK

- Drills are H.S.S. standard
- 100° countersink, 8-32 thread.
- Cobalt also available, please add: M42
- Example:** HPD40-M42-100-35-8



HPD40-100

'L Dim. = 0.295"		
Part Number	Body & C'sink Dia.	Drill Diameter
HPD40-100-25-8	.187"	.0980"
HPDS40-100-25-8	.250"	.0980"
HPD30-100-25-8	.250"	.1285"

'L Dim. = 0.420"		
Part Number	Body & C'sink Dia.	Drill Diameter
HPD40-100-35-8	.187"	.0980"
HPDS40-100-35-8	.250"	.0980"
HPD30-100-35-8	.250"	.1285"

'L Dim. = 0.560"		
Part Number	Body & C'sink Dia.	Drill Diameter
HPD40-100-50-8	.187"	.0980"
HPDS40-100-50-8	.250"	.0980"
HPD30-100-50-8	.250"	.1285"

BOELUBE® LUBRICANT

- High-strength polar lubricating film reduces friction & heat generation.
- Greatly improves tool life, surface finish & hole quality.
- Superior lubricity when machining aluminum, titanium and inconel.
- Non-corrosive, non-flammable, chemically stable, with no hazardous substances.

Part Number	Type	Size
70200-00	Solid	14.5 oz. Cartridge
70200-13	Solid	1.6 oz. Push Tube
70307-12	Paste	12 oz. Jar
70104-04	Liquid	1 gal. Container
70104-05	Liquid	5 gal. Pail



70307-12



70200-13



70104-05

COLLETS

- Collets for Atlas Copco 6.6mm capacity head
LBV24 S010, LBVS020, & LBVS045



Part #	Hole Size	Atlas Copco	Part #	Hole Size	Atlas Copco	Part #	Hole Size	Atlas Copco	Part #	Hole Size	Atlas Copco
AC-0312	1/32	*****	AC-0709	1.8	4110141102	AC-1040	37	*****	AC-1660	19	*****
AC-0315	0.8	*****	AC-0730	49	*****	AC-1063	2.7	*****	AC-1693	4.3	*****
AC-0354	0.9	*****	AC-0748	1.9	*****	AC-1065	36	*****	AC-1719	11/64	*****
AC-0394	1.0	*****	AC-0760	48	*****	AC-1094	7/64	*****	AC-1732	4.4	411014115
AC-0400	60	*****	AC-0781	5/64	*****	AC-1102	2.8	4110141107	AC-1772	4.5	*****
AC-0410	59	*****	AC-0785	47	*****	AC-1142	2.9	*****	AC-1800	15	*****
AC-0420	58	*****	AC-0787	2	4110141103	AC-1181	3.0	4110141108	AC-1811	4.6	411014116
AC-0430	57	*****	AC-0810	46	*****	AC-1220	3.1	*****	AC-1820	14	*****
AC-0433	1.1	*****	AC-0820	45	*****	AC-1250	1/8	*****	AC-1850	4.7	*****
AC-0465	56	*****	AC-0827	2.1	*****	AC-1260	3.2	4110141109	AC-1875	3/16	*****
AC-0472	1.2	*****	AC-0860	44	*****	AC-1299	3.3	*****	AC-1890	4.8	411014117
AC-0512	1.3	*****	AC-0866	2.2	4110141104	AC-1339	3.4	4110141110	AC-1910	11	*****
AC-0520	55	*****	AC-0890	43	*****	AC-1378	3.5	*****	AC-1929	4.9	*****
AC-0550	54	*****	AC-0906	2.3	*****	AC-1406	9/64	*****	AC-1935	10	*****
AC-0551	1.4	*****	AC-0935	42	*****	AC-1417	3.6	4110141111	AC-1960	9	*****
AC-0591	1.5	*****	AC-0938	3/32	4110043820	AC-1457	3.7	*****	AC-1969	5.0	411014118
AC-0595	53	*****	AC-0945	2.4	4110141105	AC-1470	26	*****	AC-2047	5.2	411014119
AC-0625	1/16	*****	AC-0960	41	*****	AC-1520	24	*****	AC-2126	5.4	411014120
AC-0630	1.6	4110141101	AC-0980	40	*****	AC-1535	3.9	*****	AC-2205	5.6	411014121
AC-0635	52	*****	AC-0984	2.5	*****	AC-1562	5/32	*****	AC-2283	5.8	411014122
AC-0669	1.7	*****	AC-0995	39	*****	AC-1575	4.0	4110141113	AC-2362	6.0	411014123
AC-0670	51	*****	AC-1015	38	*****	AC-1590	21	*****	AC-2441	6.2	411014124
AC-0700	50	*****	AC-1024	2.6	4110141106	AC-1614	4.1	*****	AC2520	6.4	411014125
						AC-1654	4.2	4110141114	AC-2598	6.6	4110141126

*Note: When ordering collets please specify

COLLET CHUCKS

400 Series - Integral unit holds one specific size only.

Part #	Number Size	Part #	Fractional Size	Part #	Letter Size
400-10	#10	400-3/32	3/32"	400-F	F
400-11	#11	400-1/8	1/8"	• 1/4"-28 thread	
400-20	#20	400-5/32	5/32"		
400-21	#21	400-3/16	3/16"		
400-27	#27	400-F	1/4"		
400-30	#30				
400-40	#40				



200 Series - Integral prongs grip the flute of the drill - 1/4" x 28 thread

Part #	Decimal Size	Part #	Decimal Size
200-40	.0980	200-21	.1590
200-30	.1285	200-12	.1890
200-28	.1405	200-11	.1910



200-40

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COLLETS

• For use on 9/32"-40 internal thread angle drills. • Suitable for Desoutter, Atlas Copco & Chicago Pneumatic drills.
 • For Aro Tools: Substitute AD for ARO before part number. Example: ARO-0312 for 1/32" collet.



Part #	Hole Size	Atlas Copco	Chicago Pneumatic	Desouter	Dotco/Buckeye
AD-0312	1/32	*****	*****	2152	*****
AD-0315	0.8	*****	C-144387	*****	*****
AD-0354	0.9	*****	C-144388	*****	*****
AD-0394	1.0	4110043801	C-144389	2172	*****
AD-0400	60	*****	*****	*****	1005994
AD-0410	59	*****	*****	*****	1006523
AD-0420	58	*****	*****	*****	1005624
AD-0430	57	*****	*****	*****	1005625
AD-0433	1.1	*****	C-144390	2182	*****
AD-0465	56	*****	*****	*****	1005626
AD-0469	3/64	*****	*****	2192	*****
AD-0472	1.2	*****	C-144391	*****	*****
AD-0512	1.3	*****	C-144392	2202	*****
AD-0520	55	*****	*****	*****	1006527
AD-0550	54	*****	*****	*****	1006528
AD-0551	1.4	*****	C-144393	2212	*****
AD-0591	1.5	4110043802	*****	2222	*****
AD-0595	53	*****	C-144394	*****	1006408
AD-0625	1/16	4110043819	*****	2232	1005180
AD-0630	1.6	*****	C-144395	*****	*****
AD-0635	52	*****	*****	*****	1006446
AD-0669	1.7	*****	C-144396	2242	*****
AD-0670	51	*****	*****	*****	1006412
AD-0700	50	*****	*****	*****	1005685
AD-0709	1.8	41100438828	C-144397	2252	*****
AD-0730	49	*****	*****	*****	1006049
AD-0748	1.9	*****	C-144398	2262	*****
AD-0760	48	*****	*****	*****	1006316
AD-0781	5/64	*****	*****	2272	1005181
AD-0785	47	*****	C-144399	*****	1006393
AD-0787	2	4110043803	*****	*****	*****
AD-0810	46	*****	*****	*****	1005875
AD-0820	45	*****	*****	*****	1006028
AD-0827	2.1	4110043829	C-144400	2282	*****
AD-0860	44	*****	*****	*****	1006297
AD-0866	2.2	4110043804	C-144401	2292	*****
AD-0890	43	*****	*****	*****	1006394
AD-0906	2.3	4110043830	C-144402	2302	*****
AD0935	42	*****	*****	*****	1006058
AD0938	3/32	4110043820	*****	2312	1005928
AD0945	2.4	4110043805	C-144403	*****	*****
AD0960	41	*****	*****	*****	1005928
AD0980	40	*****	*****	*****	1005684
AD-0984	2.5	4110043806	C-144404	2322	*****

Part #	Hole Size	Atlas Copco	Chicago Pneumatic	De-souter	Dotco/Buckeye
AD-0995	39	*****	*****	*****	1006395
AD-1015	38	*****	*****	*****	1006396
AD-1024	2.6	4110043807	C-144405	2332	*****
AD-1040	37	*****	*****	*****	1006397
AD-1063	2.7	4110043831	C-144406	2342	*****
AD-1065	36	*****	*****	*****	1006397
AD-1094	7/64	*****	*****	2352	1005183
AD-1102	2.8	4110043832	C-144407	*****	1006027
AD-1142	2.9	4110043808	C-144408	2362	*****
AD-1181	3.0	4110043809	C-144409	2372	*****
AD-1220	3.1	4110043810	C-144410	2382	*****
AD-1250	1/8	4110043821	*****	2392	1005184
AD-1260	3.2	4110043811	C-144411	*****	*****
AD-1299	3.3	4110043812	C-144412	2402	*****
AD-1339	3.4	4110043833	C-144413	2412	*****
AD-1378	3.5	4110043813	C-144414	2422	*****
AD-1406	9/64	*****	*****	2432	1005967
AD-1417	3.6	4110043824	C-144415	*****	*****
AD-1457	3.7	4110043834	C-144416	2442	*****
AD-1470	26	*****	*****	*****	1006373
AD-1496	3.8	4110043814	C-144417	2452	1006318
AD-1520	24	*****	*****	*****	1006372
AD-1535	3.9	4110043835	C-14418	2462	1006315
AD-1562	5/32	4110043822	*****	2472	1005186
AD-1575	4.0	4110043815	C-144419	*****	1005926
AD-1590	21	*****	*****	*****	1005682
AD-1614	4.1	4110043825	C-144420	2482	1005876
AD-1654	4.2	4110043826	C-144421	2492	*****
AD-1660	19.0	*****	*****	*****	1006035
AD-1693	4.3	4110043836	C-144422	2502	1005964
AD-1719	11/64	*****	*****	2512	1005187
AD-1732	4.4	4110043837	C-144423	*****	1005977
AD-1772	4.5	4110043816	C-144424	2522	1006346
AD-1800	15	*****	*****	*****	1006399
AD-1811	4.6	4110043838	C-144425	2532	*****
AD-1820	14	*****	*****	*****	1006400
AD-1850	4.7	4110043839	C-144426	2542	1005927
AD-1875	3/16	4110043823	*****	2552	1005188
AD-1890	4.8	4110043818	C-144427	*****	1005871
AD-1910	11	*****	*****	*****	1006001
AD-1929	4.9	4110043840	C-144428	*****	*****
AD-1935	10	*****	*****	*****	1005681
AD-1960	9	*****	*****	*****	*****
AD-1969	5.0	4110043827	C-14429	*****	*****

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STRAP DUPLICATORS

Strap duplicators are ideal tools for quickly locating the proper alignment of rivet holes for panel replacement. Three styles are available in either 6-1/4" or 13-1/4" lengths. The Bushing Style duplicator is used by sliding the end with the pin between the sheets and locating the hole to be duplicated from inside. The inverted type staggers both sheets (top and bottom) and locates the hole to be duplicated from the bottom. The Punch type locates the hole in the same manner as the Bushing type; however, instead of drilling through the bushings, you lightly tap this one with a hammer to center punch the new panel and drill it later.



TPMM350

Bushing Type (with jig, for drilling duplicate holes from overlapping sheet)		
Part # 6-1/4" O. A. L.	Part # 13-1/4" O. A. L.	Drill Size & Pilot Diameter
TPMM250-1	TPMM350-1	#40
TPMM250-2	TPMM350-2	#30
TPMM250-3	TPMM350-3	#21
TPMM250-4	TPMM350-4	#19
TPMM250-5	TPMM350-5	#10
TPMM250-8	TPMM350-8	1/4"
TPMM250-7	TPMM350-7	F



TPMM355

Bushing Inverted Pilot Type (same as bushing type with inverted pilot)		
Part # 6-1/4" O. A. L.	Part # 13-1/4" O. A. L.	Drill Size & Pilot Diameter
TPMM255-1	TPMM355-1	#40
TPMM255-2	TPMM355-2	#30
TPMM255-3	TPMM355-3	#21
TPMM255-4	TPMM355-4	#19
TPMM255-5	TPMM355-5	#10
TPMM255-8	TPMM355-8	1/4"
TPMM255-7	TPMM355-7	F



TPMM360

Punch Type (marks sheet from hidden pilot hole)		
Part # 6-1/4" O. A. L.	Part # 13-1/4" O. A. L.	Drill Size & Pilot Diameter
TPMM260-1	TPMM360-1	#40
TPMM260-2	TPMM360-2	#30
TPMM260-3	TPMM360-3	#21
TPMM260-4	TPMM360-4	#19
TPMM260-5	TPMM360-5	#10
TPMM260-8	TPMM360-8	1/4"
TPMM260-7	TPMM360-7	F

STRAP DUPLICATOR SETS



TPMM350K

Part Number	Description
TPMM250K	4 pc. set includes 1 ea. TPMM250-1,2,3,5
TPMM255K	4 pc. set includes 1 ea. TPMM255-1,2,3,5
TPMM260K	4 pc. set includes 1 ea. TPMM260-1,2,3,5

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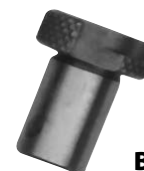
DRILL HOUSINGS AND BUSHINGS

- Keeps drills & taps perpendicular to work surface.
- Hardened bushings are interchangeable.
- No-mar transparent plastic allows a clear view of the work.



TP483 HOUSING

Part Number	Type
TP483 Housing Only	Flange Lock



TP483 BUSHING

Replacement Bushings	
Part Number	Drill Size
TP483A	#40
TP483B	3/32"
TP483C	#30
TP483D	1/8"
TP483E	#21

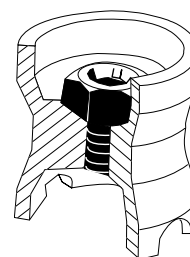
Replacement Bushings	
Part Number	Drill Size
TP483F	5/32"
TP483G	#10
TP483H	3/16"
TP483I	7/32"
TP483J	1/4"

THREAD TYPE DRILL HOUSING & BUSHING

Part Number	Type
TP783 Housing Only	Thread

Replacement Bushings	
Part Number	Drill Size
TP783A	#40
TP783B	3/32"
TP783C	#30
TP783D	1/8"
TP783E	#21

Replacement Bushings	
Part Number	Drill Size
TP783F	5/32"
TP783G	#10
TP783H	3/16"
TP783I	7/32"
TP783J	1/4"



TP783A

DRILL HOUSINGS AND BUSHING KIT

Complete Kit		
Part Number	Includes	For Drill Sizes
AT590DBK	Three housings & nine bushings with case.	#40, #30, #21, #10, 5/32", 3/16", 7/32", 1/4" & F



AT590DBK

MASTER AIRCRAFT TOOL KIT

Ideal starter sheetmetal kit! This 121-piece complete Aircraft Mechanics Kit is excellent for aircraft restoration, repair and manufacturing. ideal for the A & P mechanic, student and homebuilder, this kit comes with everything from sheet metal tools to riveting tools in a two-drawer tool chest.

Complete Kit	
TP176M - 3X	3X
TP176M - 4X	4X



121 Piece Kit Includes:

Model #	Qty	Item
	1	3X or 4X handle rivet gun
TP75	40	Cleco fasteners (10 ea. 3/32", 1/8", 5/32" & 3/16")
CWN-FW	20	Wing nut fasteners (5 ea. 3/32", 1/8", 5/32" & 3/16")
TP145DSK	4	Drill stop kit (1 ea. #21, #30, #40, & #10)
TP62	3	Integral pilots (1 ea. #21, #30 & #40)
TP54	1	Threaded drill bits (1 ea. #21, #30 & #40)
TP88	2	Spring retainer set
TP89i	5	Straight rivet set mix
TP90i	5	Offset rivet set mix
TP91i	1	Flush set with guard
TP638	1	Bucking bar
TP1112	1	Bucking bar
TP670	1	Bucking bar
TP647	1	Bucking bar
TP97	1	Air tool regulator
TP51	1	Aviation snip - left
TP52	1	Aviation snip - right
TP53	1	Aviation snip - straight

Model #	Qty	Item
TP61	1	Stop countersink
TP45	1	3/8" Pistol grip air drill
TP46	1	90° Angle attachment
TP346	1	Heavy duty rivet cutter
TP116	1	Hand rivet squeezer
TP116A	6	Squeezer set mix
TP74	1	Cleco pliers
TPMM250-1	1	Strap duplicator #40
TPMM250-2	1	Strap duplicator #30
TPMM250-3	1	Strap duplicator #21
TPMM250-5	1	Strap duplicator #10
TP57	1	Cone jaw chuck
TP162	1	Fluting pliers
TP76K	1	Hand punch kit
TP44	1	Hand seamer
TP81	1	Hand nibbler
TP714	1	Aircraft repair manual
TP260	1	2-drawer tool chest
TP123SG	5	Side grip fasteners
TP70	1	Chip chaser
TP675	1	Air vacuum

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RV KIT "BUILDER KIT"



Kit is designed for the RV3, RV4 and RV6 Builders.

Complete Kit	
TP176RV - 2X	2X
TP176RV - 3X	3X
TP176RV-4X	4X

536 Piece Kit Includes:

Model #	Qty	Item
2X		
3X		
4X	1	2X, 3X or 4X rivet gun
TP89i	1	Straight rivet set (5 pcs., SM10 Series)
		10° Offset rivet sets (5 pcs., SM20 Series)
TP90i	1	
TP91i	1	Flush rivet set with rubber guard
		Beehive and quick-change retainer springs
TP88	1	
TP97	1	Air tool regulator
TP96	1	Rivet Cutter
TP61	1	Micro stop countersink
TP116	1	Hand rivet squeezer
TP4263	1	Dimple and die set
TP4264	1	Dimple and die set

Model #	Qty	Item
TP116A	1	Squeezer and set mix
TP45	1	3/8" Air drill
TP162	1	Fluting pliers
		Countersink cutter pilots (1 ea. TP62-21, TP62-30, TP62-40)
TP62	3	
		Cleco fasteners (325 pcs. TP75-3/32" & 175 pcs. TP75-1/8")
TP75	500	
TP74	1	Cleco pliers
TP44	1	Hand seamer
TP266	1	Deburring tool
TP216	1	Tool box with tote tray
TP638	1	Bucking bar
TP647	1	Bucking bar
TP670	1	Bucking bar
TP1112	1	Bucking bar

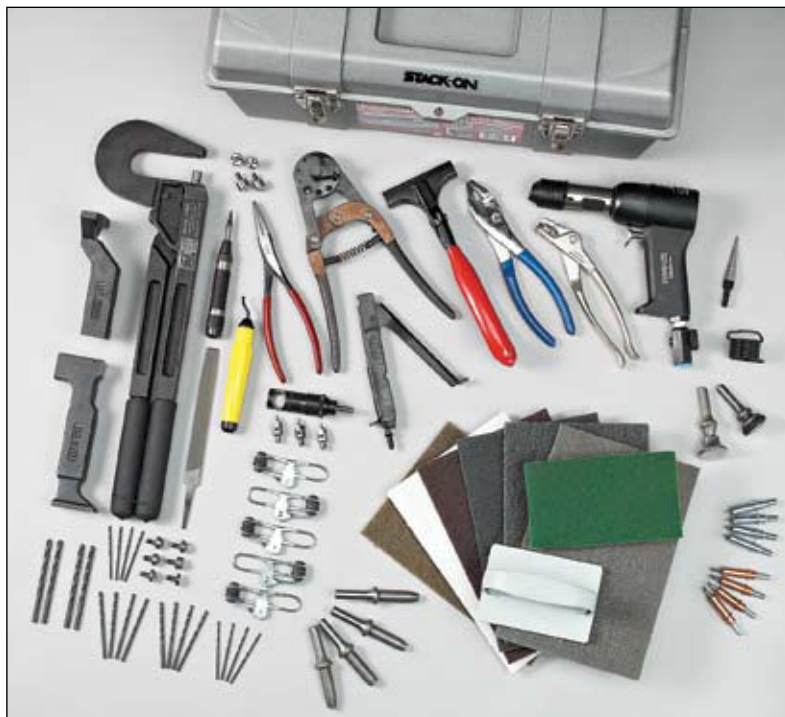
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MUSTANG KIT

Kit is designed especially for the assembly of the Mustang Kit Aircraft.

Complete Kit	
Part Number	Rivet Gun Included
TP176MUS-3X	3X
TP176MUS-4X	4X



317 Piece Kit Includes:

Model #	Qty	Item
3X or 4X	1	Offset handle rivet gun
TP91	1	Flush rivet set
SM10-4703	1	Rivet set
SM10-4704	1	Rivet set
SM10-4705	1	Rivet set
A1007-234X	1	Quick change retainer spring
TP346	1	Heavy duty rivet cutter
TP61K	1	Stop Countersink Kit (1 ea. TP61, TP62-21, 30, 40 & storage tube)
TP722	1	Fluting pliers
TP75-1/8	130	Cleco fasteners
TP75L-1/8	25	Cleco fasteners
TP75-3/32	80	Cleco fasteners
TP74	1	Cleco pliers
TP44	1	Hand seamer
TP227G	1	Duckbill pliers
TP266	1	Deburring tool
TP888-3	1	Hand rivet squeezer
TP116A	1	Squeezer sets (2 flush & 4 universal AN470 head)
TP751	1	Bucking bar
TP670	1	Bucking bar
SM181	1	Swivel flush rivet set

Part Number	Qty	Item
TP641HC	5	Handi-clamp
TP75L-3/32	25	Cleco fastener
TP81	1	Hand nibbler
TP49-30	4	Drill bits
TP49-3/32	4	Drill bits
TP49-40	4	Drill bits
TP49-1/8	4	Drill bits
TP49-12	2	Drill bits
TP49-3/16	2	Drill bits
TPA5611	1	Unibit drill
TP294HD	1	Auto Center Punch
TP735K	1	Hand pack trial kit
TPFS6	1	Flat file
TP4263	1	Dimple and die set
TP4264	1	Dimple and die set
TP216	1	Tool Box

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RIVET GUN KITS

- Contains our most popular rivet gun
- Our best selling kit 23 piece kit

Complete Kit		
Part Number	Rivet Gun Included	Shank
AIT-RGK-3X	3X	.401"
AIT-RGK-4X	4X	.401"



AIT-RGK

23 Piece Kit Includes:

Part Number	Description
SM10-4703	3/32" Rivet set, 3-1/2" O. A. L.
SM10-4704	1/8" Rivet set, 3-1/2" O. A. L.
SM10-4705	5/32" Rivet set, 3-1/2" O. A. L.
SM10-4706	3/16" Rivet set, 3-1/2" O. A. L.
SM11-4703	3/32" Rivet set, 5-1/2" O. A. L.
SM11-4704	1/8" Rivet set, 5-1/2" O. A. L.
SM11-4705	5/32" Rivet set, 5-1/2" O. A. L.
SM11-4706	3/16" Rivet set, 5-1/2" O. A. L.
SM140	Offset flush mushroom set
SM170	Flush mushroom rivet set w/ guard
SM20-4703	3/32" Offset rivet set, 3-1/2" O. A. L.
SM20-4704	1/8" Offset rivet set, 3-1/2" O. A. L.

Part Number	Description
SM20-4705	5/32" Rivet set, 3-1/2" O. A. L.
SM92	Flush mushroom rivet set
TP1111	Bucking bar
TP1112	Bucking bar
TP669	Bucking bar
TP670	Bucking bar
TP2012	Power regulator
A1006-234X	Beehive retainer spring
A1007-234X	Handi retainer spring
	Rivet gun (see charts above)
AIT62-14	Molded plastic carrying case

STUDENT RIVET KIT

This kit meets most school requirements for basic sheet metal tools.



Complete Kit	
Part Number	Rivet Gun Included
TP176ST-3X	3X
TP176ST-4X	4X

68 Piece Kit Includes:

Model #	Qty	Item
3X or 4X	1	Offset handle rivet gun
TP2012	1	Deluxe air tool regulator
A1006-234X	1	Beehive spring retainer
A1007-234X	1	Quick change spring retainer
TP89	1	5 pc. straight
TP670	1	Bucking bar
TP346	1	Heavy duty rivet cutter
TP74	1	Cleco pliers
TP75	40	Cleco fasteners (10ea.: 3/32", 1/8", 5/32", 3/16")
FDR-5440	1	3/8" Air drill
TP49	6	Drill bits
TP145DSK	1	4 pc. drill stop kit
TP61K	1	Micro stop countersink & 3 cutters
TP279	1	Military-style tool puch

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DELUXE SHEET METAL TOOL KIT

This deluxe tool set is designer to meet the professional aircraft mechanics many needs, and includes just about every hand tool required for working with sheet metal.

Complete Kit	
Part Number	Rivet Gun Included
TP176DLX-3X	3X
TP176DLX-4X	4X



503 Piece Kit Includes:

Model #	Qty	Item
TP83/TP84	1	3X or 4X offset handle rivet gun
TP109M-3/32	5	Wing nut fastener
TP109M-1/8	5	Wing nut fastener
TP109M-5/32	5	Wing nut fastener
TP109M-3/16	5	Wing nut fastener
TP145DSK	1	Drill stop kit
TP89i	1	Rivet set mix (includes: 1 flush set of 5 .401 shank SM10 series, straight 3/32" - 3/16" w/ pouch)
TP90i	1	Rivet set mix (includes: set of 5 .401 shank SM20 series straight 3/32" - 1/4" with pouch)
TP91	1	Flush rivet set
TP175	1	Bucking bar kit
TP51K	1	Aviation snip combo (left, right, straight)
TP266	1	Deburring Tool
TP61K	1	Stop counter sink kit (1 ea.: TP61, TP62-21, 30, 40 & storage lube)
TP46	1	Angle drill attachment
TP346	1	Heavy duty rivet cutter
TP4263K	1	Dimple & die kit (includes 3/32", 1/8", 5/32" & 3/16 with plastic box)
TP116	1	Hand rivet squeezer
TP722	2	Fluting plier
TP74	1	Cleco plier
TP76K	1	Portable hand punch kit
TP312	1	Hole cutter
US7387RS	1	Rivet shaver
TP143-9/16	1	Rivet shaver cutter
TP294S	1	Noxon spring center punch
TP853	1	Rivet length gauge
TP55-10	1	Extension bit
TP55-21	1	Extension bit
TP55-30	1	Extension bit
TP55-40	1	Extension bit
TP230	1	Cylindrical rotary burr
TP854	1	Shop head rivet gauge set
TP714	1	Std. aviation maint. handbook

Model #	Qty	Item
TP44	1	Hand seamer
TP81	1	Hand nibbler
TP123SG	5	Side grip fastener
TP70AT	1	Chip chaser
TP675	1	Mini vac
TP75K-80	1	Cleco fastener (20 pc. ea. size: 3/32", 1/8", 5/32", 3/16" & 1/4")
A1007-234X	1	Quick change retainer spring
TP875	1	Mini air drill
TP258	1	Angle drill collet & chuck kit
TPMM250K	1	Strap duplicator kit (includes #40, 30, 21 & 10 with pouch)
TP125SG	5	Side grip fastener
US902	1	Cleco fastener installation tool
US114C	1	Rivet Squeezer
US7092DARE-2800	1	Angle Drill
TP276	1	Rivet removal tool
TP844	1	Swivel riveting tool
TP726K	1	Rivet nut tool kit (includes: 6-32, 8-32, 10-32, notcher & handy case)
TP641HC	6	Handi-clamp
TP68K	1	Safety wire twister kit (includes: TP68SR wire twister, TP277, handy twister, 1 ea. of .020, .032, & .041 safety wire & handy carrying case)
TP249	1	Jobber drill set (60 pc number size 1 thru 60, 118°, high speed steel)
A1142	1	Air tool oil
TP604B	1	Flexible steel rule
TPA5588	1	Hook scriber
TP55A-10	1	Extension bit
TP55A-21	1	Extension bit
TP55A-30	1	Extension bit
TP55A-40	1	Extension bit
130	1	Die grinder
TP229B	1	Round tree rotary burr
TP260D	1	Tool box and cabinet
TP854	1	Shop head rivet gauge set

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GLASTAR KIT



This kit is designed especially for the Glastar kit aircraft. The tools included are recommended by the manufacturer, specifically for the assembly of the sheet metal portion of the kit. Many of these tools will also be used in other areas of its construction

Complete Kit	
TP176G - 3X	3X
TP176G - 4X	4X

503 Piece Kit Includes:

Model #	Qty	Item
TP83, TP84	1	3X/4X offset handle rivet gun specify
SM10-4703i	1	3/32" Universal rivet set
SM10-4704i	1	1/8" Universal rivet set
SM10-4705i	1	3/16" Universal rivet set
TP91	1	Flush set with rubber guard
A1007-234X	1	Quick change retainer spring
TP61	1	Stop countersink
TP62	1	100° countersink cutter pilot sizes (12, 21, 30 & 40)
TP62A	1	120° countersink cutter pilots (30)
TP116M	1	Hand rivet squeezer (with TP116A)
TP4235SB	1	1/8" Dimple die set
TP4264SB	1	3/32" Dimple die set
TP45	1	3/8" Capacity air drill
TP75	250	3/32"-3/32" Cleco fastener
TP75	150	1/8"-1/8" Cleco fastener
TP75	25	3/16"-3/16" Cleco fastener
TP74	1	Cleco pliers
TP266	1	Deburring tool with 7 blades
TP838	1	90° Countersink/Deburring set

Model #	Qty	Item
TP216	1	Tool Box
TP638	1 ea.	TP647, TP721, TP760B-1 Bucking bars
TP49	1 ea.	11/64", 1/4", 1/16" Assorted jobber drill bits
TP249	1	60 pcs. #1-#60 jobber drill bit set
TP55-30	1 ea.	TP55-40 -6" Aircraft extension bits
TP55A-40	1 ea.	12" Aircraft extension bits
TP123SG	10 ea.	Side grip clamps
TP538STC	2	Tension Clamps
TP51K	1	Aviation snip kit - left, right, straight
TP46K	1	90° Drill attachment w/ bits #40, #30, #20
TP70	1	Chip chaser
TP844	1	Swivel hand riveter
TPA5588	1	Hook scribe
TP294AP	1	Center punch
BG383-I	1	Tape measure
TP604B	1	12" ruler 32nds, 64ths, 10ths, 100ths, graduations
TP297	1	Spring divider

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KNOCKOUT PUNCHES



HI-SHEAR TYPE
3-3/8 OAL



SMK TYPE
3-1/2 OAL



SMKO TYPE
3-1/2 OAL

Hi-Shear .401" Shank	
Part Number	Rivet Size
SMHS401K-3	3/32"
SMHS401K-4	1/8"
SMHS401K-5	5/32"
SMHS401K-6	3/16"
SMHS401K-8	1/4"
SMHS401K-10	5/16"
SMHS401K-12	3/8"

SMK .401" Shank	
Part Number	Rivet Size
SMK-3	3/32"
SMK-4	1/8"
SMK-5	5/32"
SMK-6	3/16"
SMK-8	1/4"
SMK-10	5/16"
SMK-12	3/8"

SMKO .401" Shank	
Part Number	Rivet Size
SMK010-3	3/32"
SMK010-4	1/8"
SMK010-5	5/32"
SMK010-6	3/16"
SMK010-8	1/4"
SMK010-10	5/16"
SMK010-12	3/8"

HUCK/HI-SHEAR® COLLAR REMOVERS

- Can be furnished with a 10° offset near the chesel edge. *
- Rivet gun or hand type.



SMHC



SMHC401

*Note: To order with a 10° offset, add a 'B' to the end of the part number.

Example: For a 1/8" rivet size (.401 shank) offset collar remover, use part number SMHSC401-4B

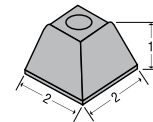
.401" Shank					
Part Number	Rivet Size	'A' Dimension (+.001 -.000)	'B' Dimension	'C' Dimension	Overall Length
SMHSC401-4	1/8"	.125"	3/4"	1/2"	5-1/2"
SMHSC401-5	5/32"	.156"	3/4"	1/2"	5-1/2"
SMHSC401-6	3/16"	.187"	3/4"	5/8"	5-1/2"
SMHSC401-8	1/4"	.250"	3/4"	5/8"	5-1/2"
SMHSC401-10	5/16"	.312"	7/8"	3/4"	5-1/2"
SMHSC401-12	3/8"	.375"	7/8"	3/4"	5-1/2"

Hand Type						
Part Number	Rivet Size	Stock Hex	'A' Dimension (+.001 -.000)	'B' Dimension	'C' Dimension	Overall Length
SMHC-4	1/8"	1/2"	.136"	9/16"	.083"	5-1/2"
SMHC-5	5/32"	1/2"	.167"	9/16"	.104"	5-1/2"
SMHC-6	3/16"	5/8"	.199"	11/16"	.125"	6-1/2"
SMHC-8	1/4"	3/4"	.259"	13/16"	.165"	7"

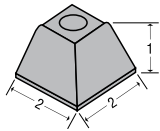
"RECOILLESS" DOLLIES

Bars are cast with Ductile iron to insure a non porous finish which is very important in order to have that highly polished finish. They are heat treated to 38-42 RC and can be repolished many times without charging hardness. Work surfaces are highly polished.

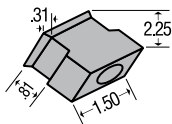
Quantity prices available on request.



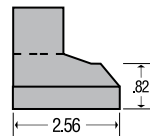
TP1520S 1 lb.



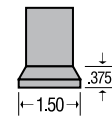
TP1520S 1 lb.



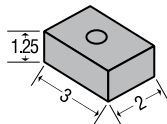
TP1525S .94 lb.



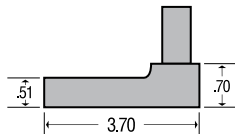
TP15050 1.19 lb.



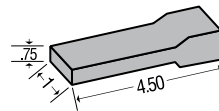
TP1515C .56 lb.



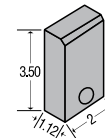
TP1535S 2.31 lbs.



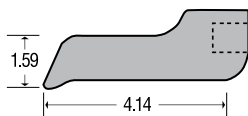
TP1510A 1.34 lbs.



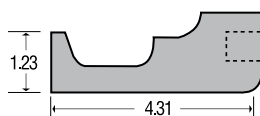
TP1530S 1 lb.



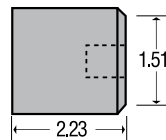
TP1540S 2.38 lbs.



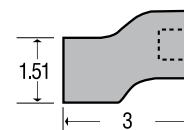
TP2000B 3.9 lbs.



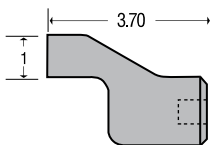
TP2005B 3.2 lbs.



TP2010B 2.95 lbs.



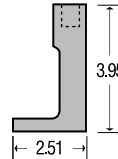
TP2015B 2.66 lbs.



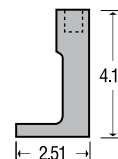
TP2020B 3.28 lbs.



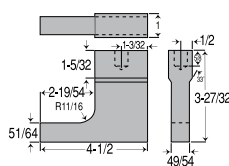
TP2025B 2.8 lbs.



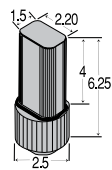
TP2030B 3.1 lbs.



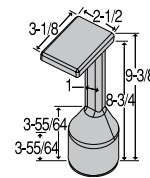
TP2035B 3.45 lbs.



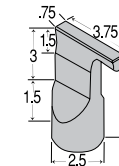
TP2040B 2.75 lbs.



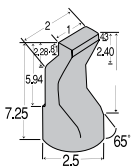
TP0000H 6.75 lbs.



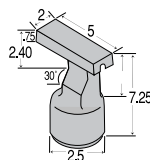
TP3560H 7.1 lbs.



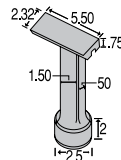
TP777 6.3 lbs.



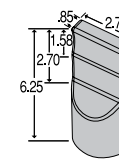
TP3553H 4.5 lbs.



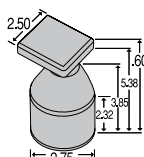
TP3554H 7.9 lbs.



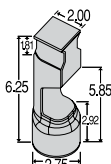
TP3565H 8 lbs.



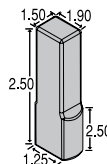
TP3559H 5.92 lbs.



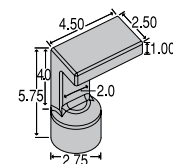
TP3558H 6.03 lbs.



TP3568H 8.46 lbs.



TP0000H2 6 lbs.



TP35500H-L 8.241 lbs.

• Indicates polished side

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CHISEL & CUTTER TOOLS

Assorted Tooling

.401 shank riveting tools

- Retainer tools used with standard aircraft riveting guns
- .401 shank diameter



.401" Shank		
Part Number	Description	Uses
905	Scraper	For removing sealant & deadener without heat.
912	Rivet Buster	For shearing all types of rivets. 3/4" wide
910	Chisel	For breaking spot welds, splitting nuts, shearing etc.
1955	Ripper	For clean, short radius cuts. Very tough.
1957	Panel Cutter	For straight & radius cuts
1959	Sheet Metal Trimmer	For edging sheet metal without stretch or distortion.
1960	Spot Weld Breaker	For cutting spot welds, works well on molding & rivets.

.498" Shank		
Part Number	Description	Uses
H1972	Chisel	For breaking spot welds, splitting nuts, shearing etc.

RIVET SET EXTENSION ADAPTER



SM401E

- Quickly convert any standard length rivet set to an extra long style.

.401" Shank Part Number	.498" Shank Part Number	Accepts	Overall Length
SM401E	SM498E	.401" Shank Sets	8"

SHANK ADAPTERS



SM401B



SM498A

- Includes handi retainer spring.

.401" Shank Part Number	Accepts	Overall Length
SM401B	.498" Shank Sets	3-3/4"

.498" Shank Part Number	Accepts	Overall Length
SM498A	.401" Shank Sets	3-3/4"

SHANK ADAPTER SLEEVE



AIT99705

- Convert any .401" shank rivet set to .498" shank.
- Excellent where tooling space is limited.

Part Number	Accepts
AIT-99705	.401" Shank Sets

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Order Rivet sets the E-Z way!










To Determine Part Number:

1. Select desired rivet set length and note its Model No.
2. Refer to Rivet Style Chart and find desired cupping style.
3. Match cupping style with desired rivet diameter and add that number after the rivet set Model No.

Example: For SM10 with AN470 cupping for an 1/8" diameter rivet.

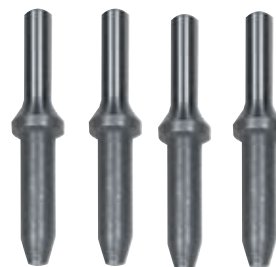
Specify: SM10-4704

RIVET STYLE CHART								
Cupping Style	Rivet Diameter							SM50/70 Only
	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"
Button AN435	4332	4333	4334	4335	4336	4338	43310	43312
Round AN430	4302	4303	4304	4305	4306	4308	43010	43012
Flat AN442	4422	4423	4424	4425	4426	4428	44210	44212
Brazier AN455	4552	4553	4554	4555	4556	4558	45510	45512
Mod. Brazier AN456	4562	4563	4564	4565	4566	4568	45610	45612
Universal AN470	4702	4703	4704	4705	4706	4708	47010	47012
Button AN435	4352	4353	4354	4355	4356	4358	43510	43512
Tubular AN450	4502	4503	4504	4505	4506	4508	45010	45012
Briles Bacr15ft	-	BAC	BAC	BAC	BAC	BAC	BAC	-

RIVET STYLE CHART								
								
AN435 Button	AN430 Round	AN455 Brazier	AN456 Brazier	AN470 Universal	AN442 Flat	BACR 15FT Briles Boeing	AN426 Countersunk	AN450 Semi-Tubular

RIVET SETS

.401" Shank		.498" Shank		Overall Length
Part #	Part #	Part #	Part #	
Straight	Offset	Straight	Offset	
SM15	-	-	-	2-1/2"
SM10	SM20	SM30	SM40	3-1/2"
SM11	SM21	SM31	SM41	5-1/2"
SM12	SM22	SM32	SM42	7-1/2"
SM13	SM23	SM33	SM43	10-1/2"
SM14	SM24	SM34	SM44	13-1/2"



AN470 DOUBLE OFFSET RIVET SETS

.401" Shank		.498" Shank	Overall Length
Part #	Part #	Part #	
SM130	SM132		5-1/2"
SM131	SM133		7-1/2"



AN470 GOOSENECK RIVET SETS

.401" Shank			
Part #	Rivet Size	Rivet Style	Overall Length
SMGN500H	-	Flat	7-1/4"
SMGN-4703	3/32"	AN470	7-1/4"
SMGN-4704	1/8"	AN470	7-1/4"
SMGN-4705	5/32"	AN470	7-1/4"
SMGN-4706	3/16"	AN470	7-1/4"
SMGN-4708	1/4"	AN470	7-1/4"



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"SHORTIE" FLUSH MUSHROOM SETS



.401" Shank Part Number	Face Diameter	Overall Length
SM110	3/4"	1-3/4" to 2"
SM111	1"	1-3/4" to 2"
SM112	1-1/4"	1-3/4" to 2"
SM113	1-1/2"	1-3/4" to 2"

FLUSH MUSHROOM SETS



.401" Shank		
Part Number	Diameter	Overall Length
SM89	3/4"	3"
SM90	1"	2-1/2"
SM91	1"	3"
SM92	1"	5-1/2"
SM93	1"	7-1/2"
SM94	1-1/4"	3"
SM95	1-1/4"	5-1/2"
SM96	1-1/2"	3-1/8"
SM97	1-3/4"	3-1/4"
SM98	1-1/8"	2-1/4"
SM99	1-1/4"	2-1/4"

.498" Shank		
Part Number	Diameter	Overall Length
SM100	1"	2-1/2"
SM101	1"	3"
SM102	1"	5-1/2"
SM103	1"	7-1/2"
SM104	1-1/4"	3"
SM105	1-1/4"	5-1/2"
SM106	1-1/4"	3-1/2"
SM107	1-3/4"	3-1/2"
SM108	1-1/8"	2-1/4"
SM109	1-1/8"	2-1/4"

OFFSET FLUSH MUSHROOM SETS



.401" Shank Part Number	.498" Shank Part Number	Diameter	Overall Length
SM140	SM160	1"	3-1/2"
SM141	SM161	1"	5-1/2"
SM142	SM162	1"	7-1/2"
SM143	SM163	1-1/4"	3-1/2"
SM144	SM164	1-1/4"	5-1/2"
SM145	SM165	1-1/4"	7-1/2"

FLUSH MUSHROOM SETS WITH RUBBER GUARD



.401" Shank Part Number	.498" Shank Part Number	Diameter	Overall Length
SM170	SM173	3/4"	2-1/4" to 2-5/8"
SM171	SM174	1"	2-1/4" to 2-5/8"
SM172	SM175	1-1/4"	2-1/4" to 2-5/8"

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AN450 TUBULAR RIVET SETS

.401" Shank		
Part # - Straight	Part # - Offset	Overall Length
SM10	SM20	3-1/2" (89 mm)
SM11	SM21	5-1/2" (140 mm)



SM10

Example: For a 3-1/2" O. A. L. straight rivet set with an 1/8" rivet size, use part number: SM10-4504

Rivet Size	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"
Part No. Flaring	4502	4503	4504	4505	4506	4508	45010

STRAIGHT & OFFSET FLUSH SETS

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SM10-500H	SM20-500H	SM30-500H	SM40-500H	3-1/2"
SM11-500H	SM21-500H	SM31-500H	SM41-500H	5-1/2"
SM12-500H	SM22-500H	SM32-500H	SM42-500H	7-1/2"



SWIVEL FLUSH SETS

.401" Shank Part Number	.498" Shank Part Number	Diameter	Overall Length
SM180	SM182	3/4"	3"
SM181	SM183	1-3/16"	3"



SM180

SWIVEL FLUSH SETS WITH RUBBER GUARDS

.401" Shank Part Number	Diameter	Overall Length
AT106A	1-1/4"	3-1/2"



SPECIAL NO-MAR FLUSH SETS

.401" Shank Part Number	Replacement Heads	Diameter	Overall Length
SM50-1A	SM-1A	1" Alum.	3-1/2"
SM50-1B	SM-1B	1" Brass	3-1/2"
SM50-1P	SM-1P	1" Plastic	3-1/2"



SM50-1B

Note: Screw on type heads

NO-MAR RIVET SETS

- Holds sheet firmly in down position while riveting.
- For flush rivets & ack riveting.

.401" Shank Part Number	Overall Length
SM2470	5-1/2"



SM2470

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BOEING® BACR15FT MODIFIED UNIVERSAL RIVET SETS



SM10



SM20

Example: For a 3-1/2" O.A.L. straight rivet set with a 1/8" cupping, use part number SM10-4704BAC

.401" Shank		
Part # - Straight	Part # - Offset	Overall Length
SM15	-	2-1/2"
SM10	SM20	3-1/2"
SM11	SM21	5-1/2"
SM12	SM22	7-1/2"

Cupping Size	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	9/32"
Part No. Mod. Univ. AN470	4703BAC	4704BAC	4705BAC	4706BAC	4707BAC	4708BAC	4709BAC

BOEING® BACR15FT MODIFIED UNIVERSAL BELL TYPE RIVET SETS



SM50

Example: For a 3-1/2" O.A.L. straight rivet set with a 3/8" cupping, use part number SM50-47012BAC

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SM50	SM60	SM70	SM80	3-1/2" (89 mm)
SM51	SM61	SM71	SM81	5-1/2" (140 mm)
SM52	SM62	SM72	SM82	7-1/2" (191 mm)

Cupping Size	5/16"	11/32"	3/8"
Part No. Mod. Univ. AN470	47010BAC	47011BAC	47012BAC

ELLIPTICAL FACE FLUSH SET FOR BACR15FV

Specifically designed to drive countersunk rivets and prevent damage to skin surface. The elliptical face concentrates all forces on the center area of the rivet. Specifically designed for use on the following fasteners: BOEING BACR 15FV & BRILES BRFZ & BRFR shear head.



SM1111-1

.401" Shank Part Number	Diameter	Overall Length
SM1111-1	3/4"	2-1/4"
SM1111-2	1-1/4"	2-1/4"

BELL TYPE RIVET SETS

Example: For a 3-1/2" O.A.L. straight rivet set with a 1/4" cupping AN455, use part number SM50-4558



SM50

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SM50	SM60	SM70	SM80	3-1/2" (89 mm)
SM51	SM61	SM71	SM81	5-1/2" (140 mm)
SM52	SM62	SM72	SM82	7-1/2" (191 mm)

Cupping Size	Part Number Round AN430	Part Number Button AN435	Part Number Flat AN442	Part Number Brazier AN455	Part Number Mod. Brazier AN456	Part Number Universal AN470
1/4"	-	-	-	4558	-	-
5/16"	43010	43510	44210	45510	45610	47010
3/8"	43012	43512	44212	45512	45612	47012

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90° ANGLE ATTACHMENT

- Compact & lightweight.
- Gets in where no standard tool can.

Note: Rivet sets sold separately, see charts below.



AT595C

Part Number	Capacity	For Use With:	Weight
AT-595C	3/16"	Cleco E3 & E4; CP 3X & 4X Types	1 lb. (0.5 kgs)
AT-595B	3/16"	Jiffy 200 & 300; IR; AVC 111 & 121	1 lb. (0.5 kgs)

Cupped Universal AN470 Sets

Part Number	Cupping Size	Set Length
AT1757AP-4703	3/32"	3/8"
AT1757AP-4704	1/8"	3/8"
AT1757AP-4705	5/32"	3/8"
AT1757AP-4706	3/16"	3/8"

Mushroom Flush Sets

Part Number	Diameter	Set Length
AT1758AP	5/8"	1/4"
AT1758AR	3/4"	1/4"

RIVET GUN RETAINER SPRINGS



HANDI



BEEHIVE



MECH-AID

Part Number	Type	Size	For Use With:
A1006-234x	Beehive	1-3/32" Dia.	1x, 2x, 3x & 4x; CP4444RURAB, RUSAB & RUTAB; Cleco E2, E3 & E4
A1006-AVC	Beehive	1-5/32" Dia.	IR; AVC 10, 11, 12, 13, 24 & 26; Jiffy; Sioux; Cleco G4, G8, F2 & F4
A1006-579x	Beehive	1-3/16" Dia.	5x, 7x & 9x; CP4477RUSAB, RUVAB & RUTAB
A1007-234x	Handi	1-3/32" Dia.	1x, 2x, 3x & 4x; CP4444RURAB, RUSAB & RUTAB; Cleco E2, E3 & E4
A1007-AVC	Handi	1-5/32" Dia.	IR; AVC 10, 11, 12, 13, 24 & 26; Jiffy; Sioux; Cleco G4, G8, F2 & F4
A1007-579x	Handi	1-3/16" Dia.	5x, 7x & 9x; CP4477RUSAB, RUVAB & RUTAB
AIT896	Mech-Aid	1-3/32" Dia. (.401")	2x, 3x & 4x; CP4444RURAB, RUSAB & RUTAB; Cleco E2, E3 & E4
AIT897	Mech-Aid	1-3/16" Dia. (.498")	5x, 7x & 9x; CP4477RUSAB, RUVAB & RUTAB
A1006-100B	Mech-Aid	1-5/32" Dia.	-100B & 17-200B (compact design models)
TP88	1 ea. A1006-234x, A1007-234x		2x, 3x & 4x; CP4444RURAB, RUSAB & RUTAB; Cleco E2, E3 & E4

RIVET GUN POWER REGULATORS

Part Number	Type
TP97	Steel
TP2012	CP Solid Brass Construction
TP1	360° Swivel Regulator

- Provides regulation of air intake for accurate adjustment of hammer blow



TP97



TP2012



TP1

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CUPPED RIVET SETS FOR JIFFY TYPE (SERIES B) RIVET GUNS



SMJ510



SMJ520

Straight Cupped .401" Shank		
Part Number	Diameter	Overall Length
SMJ510	1/2"	1-3/16"

Offset Cupped .401" Shank		
Part Number	Diameter	Overall Length
SMJ520	1/2"	1-5/8"
SMJ521	1/2"	1-3/4"
SMJ522	1/2"	1-7/8"
SMJ523	1/2"	2"

Example: For a 2" O. A. L. offset cupped rivet set with a 1/8" AN470 cupping, use part number: SM523-4704

Cupping Size	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"
Part Number AN470	4702	4703	4704	4705	4706	4708

FLUSH RIVET SETS FOR JIFFY TYPE (SERIES B) RIVET GUNS

Mushroom Flush .401" Shank		
Part Number	Diameter	Overall Length
SMJ559	3/4"	1-1/4"
SMJ560	1"	1-5/8"



SMJ500



SMJ560



SMJ530

Mushroom Flush w/ Rubber Guard .401" Shank		
Part Number	Diameter	Overall Length
SMJ530	3/4"	1-1/8" to 1-3/8"
SMJ531	1"	1-1/8" to 1-3/8"
SMJ532	1-1/4"	1-1/8" to 1-3/8"

Straight Flush .401" Shank		
Part Number	Diameter	Overall Length
SMJ500	3/8"	1-3/16"
SMJ501	1/2"	1-3/16"
SMJ502	5/8"	1-3/16"

DRIVE SETS FOR HUCK® LOCKBOLTS

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SMH10	SMH20	SMH30	SMH40	3-1/2" (89 mm)
SMH11	SMH21	SMH31	SMH40	5-1/2" (140 mm)



SMH10

Rivet Size	1/8"	5/32"	3/16"
Part Number	-4	-5	-6

Example: For a 3-1/2" O. A. L. offset cupped rivet set with a 1/8" rivet, use part number H 07-10-4.

BELL TYPE DRIVE SETS FOR HUCK® LOCKBOLTS

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SMH50	SMH60	SMH70	SMH80	3-1/2" (89 mm)
SMH51	SMH61	SMH71	SMH80	5-1/2" (140 mm)



SMH50

Example: For a 3-1/2" O. A. L. offset cupped rivet set with a 3/8" rivet, use part number SMH50-12.

Rivet Size	1/4"	5/16"	3/8"
Part Number	-8	-10	-12

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NOTCHED SETS FOR HI-SHEAR® RIVETS

.401" Shank		Overall Length			
Part Number					
SMHS150		4-1/2"			
Rivet Size	1/8"	5/32"	3/16"	1/4"	
Part Number	-4	-5	-6	-8	

Example: For a .401" shank rivet set with a 1/4" rivet, use part number SMHS150-8



SMHS150

DRIVET SETS FOR HI-SHEAR® RIVETS

.401" Shank			Overall Length	
Part # - Straight	Part # - Offset			
SMHS10	SMHS20	3-1/2" (89 mm)		
SMHS11	SMHS21	5-1/2" (140 mm)		
SMHS12	SMHS22	7-1/2" (190 mm)		
SMHS15	-	2-3/4" (70 mm)		
Rivet Size	1/8"	5/32"	3/16"	1/4"
Part Number	-4	-5	-6	-8



SMHS10

Example: For a 3-1/2" O. A. L. straight rivet set with a 1/4" rivet, use part number SMHS10-8

BELL TYPE DRIVE SETS FOR HI-SHEAR® RIVETS

.401" Shank		.498" Shank		Overall Length
Part # Straight	Part # Offset	Part # Straight	Part # Offset	
SMHS50	SMHS60	SMHS70	SMHS80	3-1/2"
SMHS51	SMHS61	SMHS71	SMHS81	5-1/2"
Rivet Size	5/16"		3/8"	
Part Number	-10		-12	



SMHS50

Example: For a .401" shank rivet set with a 3/8" rivet, use part number SMHS50-10

HUCK AND HI-SHEAR® GOOSENECK INSERT ADAPTERS

.401" Shank Part Number	.498" Shank Part Number	Insert Size	Overall Length
SMA450	SMA455	.406"	4-1/2"
SMA451	SMA456	.531"	4-1/2"

• Inserts not included order below.



SMA450

INSERTS FOR GOOSENECK ADAPTERS

Hi-Shear Type Part Number	Huck Type Part Number	Insert Size	For Rivet Sizes			
SMHS460	SMH465	.406"	1/8", 5/32", 3/16"			
SMHS461	SMH466	.531"	1/4", 5/16", 3/16"			
Rivet Size	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"
Part Number	-4	-5	-6	-8	-10	-12

Example: For a .406" Hi-Shear insert for a 3/8" rivet, use part number SMHS460-12



SMHS460

.401 RIVET GUN SET MIX**UNIVERSAL STRAIGHT
5 PIECE SET MIX
PART NO. TP89**

(U.S Made)

- 3-1/2" sets
- Contains one of each:
SM10-4703-3/32"
SM10-4704-1/8"
SM10-4705-5/32"
SM10-4706-3/16"
SM90- Flush Set 1" dia.
- Includes pouch

**UNIVERSAL STRAIGHT
6 PIECE SET MIX
PART NO. TP89-6**

(U.S Made)

- 3-1/2" sets
- Contains one of each:
SM10-4703-3/32"
SM10-4704-1/8"
SM10-4705-5/32"
SM10-4706-3/16"
SM90- Flush Set 1" dia.
- Includes pouch

**UNIVERSAL STRAIGHT LONG
5 PIECE SET MIX
PART NO. TP89L**

(U.S Made)

- 5-1/2" long sets
- Contains one of each:
SM11-4703-3/32"
SM11-4704-1/8"
SM11-4705-5/32"
SM11-4706-3/16"
SM92- Flush Set 1" dia.
- Includes pouch

**UNIVERSAL OFFSET LONG
4 PIECE SET MIX
PART NO. TP90-L**

(U.S Made)

- 5-1/2" sets
- Contains one of each:
SM21-4703-3/32"
SM21-4704-1/8"
SM21-4705-5/32"
SM21-4706-3/16"
- Includes pouch

**UNIVERSAL OFFSET
5 PIECE SET MIX
PART NO. TP90**

(U.S Made)

- 3-1/2" sets
- Contains one of each:
SM20-4703-3/32"
SM20-4704-1/8"
SM20-4705-5/32"
SM20-4706-3/16"
SM20-4708-1/4"
- Includes pouch

**UNIVERSAL GOOSENECK
4 PIECE SET MIX
PART NO. SMGNK-4**

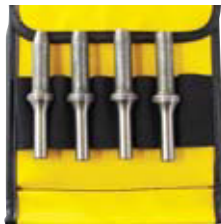
(U.S Made)

- 7-1/2" sets
- Contains one of each:
SMGN-4703-3/32"
SMGN-4704-1/8"
SMGN-4705-5/32"
SMGN-4706-3/16"
- Includes pouch

**BACR15FT STRAIGHT
4 PIECE SET MIX
PART NO. TP89-BAC**

(U.S Made)

- 3-1/2" sets
- Contains one of each:
SM10-4703-BAC
SM10-4704-BAC
SM10-4705-BAC
SM10-4706-BAC
- Includes pouch

**BACR15FT OFFSET
4 PIECE SET MIX
PART NO. TP90-BAC**

(U.S Made)

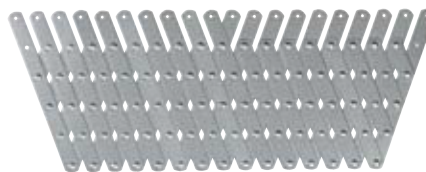
- 3-1/2" sets
- Contains one of each:
SM20-4703-BAC
SM20-4704-BAC
SM20-4705-BAC
SM20-4706-BAC
- Includes pouch



RIVET FAN SPACING TOOL

- Used for layout & marking of equally spaced rivet holes.
- Accordion gate style.
- Unequalled for accuracy, save lots of time.

Part Number	Number of Fingers	Spacing Range	Overall Length
TP621	20	1/2" - 2"	38"



RIVET REMOVING TOOL

Rivet removal tool is designed to keep the drill bit centered on the AN470 or brazier rivet head. The cupped drill guide also keeps the bit from slipping off and ruining the sheet metal around it. This tool is completely adjustable for drilling depth. It comes complete with four guides and drill bits for #3, #4, #5 and #6 rivets.

Note: Not for use with steel-stemmed blind rivets.

Part Number	Description
TP276	Removal Tool & 4 bits for AN470 with guides.
TP276B	Removal Tool For AN455/456 Brazier rivets.
TP54L-10	#10 replacement bit
TP54L-21	#21 replacement bit
TP54L-30	#30 replacement bit
TP54L-40	#40 replacement bit



RIVET CUTTER

- Precision ground alloy steel shear plates.
- Adjustable steps in 1/16" increments.
- Vinyl grips or handles.

Part Number	Capacity
TP96	3/32", 1/8", 5/32" & 3/16" (1/4" aluminum only)



HEAVY-DUTY RIVET CUTTER

- Adjustable for 1/4" to 3/4" length rivets in 1/16" increments
- Vinyl grips on handles.

Part Number	Capacity
TP346	1/16" - 1/4"



RIVET

- Will cut wire and screws
- Steps vary in 1/16" increments
- Bench or vise mounted.

Part Number	Capacity
TP626	Rivets 1/16", 1/8", 3/32", 5/32" & 3/16"



U.S. INDUSTRIAL TOOL RECOILLESS BUCKING BARS

Our Recoilless bucking bars greatly reduce the vibration associated with driving rivets. Designed with the same intent as our recoilless rivet gun, these bucking bars can also be used with all conventional rivet guns.

- For up to 3/16" diameter fasteners and 4 lb. dollies.
- Quick-change design enables you to change the dollies in just seconds.
- Several weights to accommodate a wide range of fastener installations.
- Viscoelastic Dampening System for maximum operator protection.
- "Sure-Grip" powder coat finish for positive handling.
- Ergonomic hand grip ball (31042, shown below) is available at additional cost on TP1111 Series tools.
- Manufactured in the U.S.A. by U.S. Industrial Tool.



TPAAAR

U. S. INDUSTRIAL

LARGE CAPACITY "RECOILLESS" BUCKING BARS

The TP1111R/TP1111RA fills the need for additional dampening for large diameter and harder grade fasteners.

A wide selection of Dollie heads are available.

- For up to 3/16" or larger diameter fasteners and 4 lb. dollies.
- Quick-change design enables you to change the dollies in just seconds.
- Several weights to accommodate a wide range of fastener installations.
- Viscoelastic Dampening System for maximum operator protection.
- "Sure-Grip" powder coat finish for positive handling.
- Comes with TP0000H2 dollie and 31021 shank.
- All dollies include unique safety retainers to retain dollie to bucking bar body
- Manufactured in the U.S.A. by U.S. Industrial Tool.



**ERGONOMIC HAND GRIP BALL
PART NO. 31042**

- Standard on TP1111RB, optional on all other types

Optional Dolly Shanks:

Part Number	Length
31021	2-1/2" standard
31021-1	3-1/4"
31021-2	4-3/4"
31021-3	6-1/2"

Part Number	Design	Length	Diameter	Dampened	Weight
TP111R	All Steel	3.78"	1-7/8"	Viscoelastic	2 lbs
TP111RA	Steel Alum.	3.78"	1-7/8"	Viscoelastic	1 lb
TP111RAA	Alum.	3.78"	1-7/8"	Viscoelastic	.91 lbs
TP1111R	All Steel	5.75"	1-7/8"	Viscoelastic	3.20 lbs
TP1111RA	Steel Alum.	5.75"	1-7/8"	Viscoelastic	3.13 lbs
TP1111RB	All Steel	5.75"	1-7/8"	Viscoelastic	3.20 lbs

RECOILLESS TOOL KITS



12-PIECE RECOILLESS RIVETING TOOL KIT

PART NO: US2RRBK

(includes US2R Recoilless Rivet Hammer)

PART NO: US3RRBK

(includes US3R Recoilless Rivet Hammer)

Kit contains:

Part Number	Qty.	Description
US2R or US3R	1	Recoilless Rivet Hammer
TP111R	1	Recoilless Bucking Bar
TP1500H	1	Bucking Dollie
TP1525S	1	Bucking Dollie
TP15050	1	Bucking Dollie
TP2020B	1	Bucking Dollie
TP1510A	1	Bucking Dollie
TP1530S	1	Bucking Dollie
TP1540S	1	Bucking Dollie
TP1	1	Swivel Regulator
TP218	1	Case with foam insert
A1142	1	4 oz. oil

9-PIECE RECOILLESS RIVETING TOOL KIT

PART NO: US4RRBK

(includes US4R Recoilless Rivet Hammer)

PART NO: US5RRBK

(includes US5R Recoilless Rivet Hammer)

Kit contains:

Part Number	Qty.	Description
US4R or US5R	1	Recoilless Rivet Hammer
TP111R	1	Recoilless Bucking Bar
TP0000H	1	Bucking Dollie
TP3553H	1	Bucking Dollie
TP3558H	1	Bucking Dollie
TP3559H	1	Bucking Dollie
TP1	1	Swivel Regulator
TP218-1	1	Large case w/ foam insert
A1142	1	4 oz. oil

HI-SHEAR ERGONOMIC RECOILLESS RIVET GUNS

- New advanced ergonomic designs significantly reduce Carpal Tunnel Syndrome & enhance operator comfort.
- All models include retainer spring (not shown)



17301

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
17201	3,000	3/16" - 5/32"	7-9/16"	2.8 lbs
17301	2,000	1/4" - 3/16"	8-3/16"	3.0 lbs
17401	1,725	5/16" - 1/4"	8-1/2"	3.1 lbs
17601	1,350	3/8" - 5/16"	10-1/2"	3.7 lbs
17701	1,125	7/16" - 3/8"	12"	3.9 lbs

CHICAGO PNEUMATIC® ERGONOMIC RECOILLESS RIVET GUNS

- New advanced ergonomic designs significantly reduce Carpal Tunnel Syndrome & enhance operator comfort.
- All models include retainer spring.
- Also includes built-in regulator.

Note: Rivet set not included.



CP4450

Pistol Grip .401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
CP4450-2	2,580	1/8" - 3/32"	8-3/8"	2.7 lbs
CP4450-3	2,160	3/16" - 5/32"	8-7/8"	2.8 lbs
CP4450-4	1,740	1/4" - 3/16"	9-7/8"	3.2 lbs



CP4550S

Inline .401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
CP4450-S-2	2,580	1/8" - 3/32"	8.7"	2.8 lbs
CP4450-S-3	2,160	3/16" - 5/32"	9.2"	3.0 lbs
CP4450-S-4	1,740	1/4" - 3/16"	10.2"	3.2 lbs

U.S. INDUSTRIAL "RECOILLESS" RIVET GUNS

- Unique Viscoelastic dampening system reduces damaging low-frequency vibration
- Ergonomic design, comfortable, balanced tool.
- Compact design.
- "Sure Grip" powder coated finish.
- Teasing trigger
- TP1 swivel regulator supplied as standard equipment.
- Used by most major aircraft manufacturers.



US3R

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
US2R	2,250	5/32" - 1/8"	6-7/8"	2.8 lbs
US3R	1,900	3/16" - 5/32"	7-7/8"	3.0 lbs
US4R	1,650	7/32" - 3/16"	8-7/8"	3.3 lbs
US5R	1,400	1/4" - 3/16"	9-7/8"	3.5 lbs

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CLECO® F SERIES RIVET GUNS

- Spool valve for precise speed control.
- Built in power regulator.
- Quick change retainer spring.
- Teasing trigger.

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
F2-PT-RT-B	3,900	1/8"	6-3/4"	2.7 lbs
F4-PT-RT-B	1,700	1/4"	8-3/4"	3.3 lbs



F2-PT-RT-B

INGERSOLL RAND RIVET GUNS

- Built in power regulator.
- Includes retainer spring.
- Teasing trigger.
- Genuine IR original design

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
AVC12A1	2,100	1/4" - 3/16"	6-1/2"	3.3 lbs
AV13A1	1,725	5/16" - 1/4"	8-3/4"	3.6 lbs



AVC12A1

SIoux RIVET GUNS

- Built in power regulator.
- Red power coated finish.
- Teasing trigger.

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
270A	2,000	3/16" - 5/32"	6-3/4"	
270A-2	2,500	1/8" - 5/32"	5-3/4"	
270A-4	1,700	5/16" - 1/4"	7-3/4"	



SIoux 270

U.S. INDUSTRIAL JIFFY STYLE

- Teasing trigger
- Black powder coated finish.
- Retainer spring quick change.
- Take special Jiffy Sets (see page)

Jiffy Type .401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
US100B	2,850	1/8" - 1/8"	3-3/4"	2.25 lbs
US200B	2,700	3/16" - 5/32"	4-1/4"	2.625 lbs
AIT100B	2,850	1/8" - 1/8"	5-11/16"	2.25 lbs

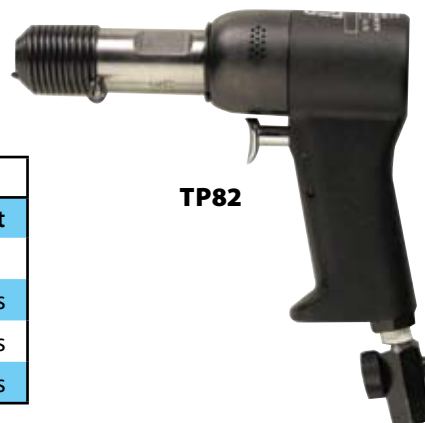


US200B

AERO INDUSTRIAL RIVET GUNS

- Teasing trigger
- Aluminum offset pistol handle.
- Includes power regulator & beehive retainer spring.
- Straight handle models available (1X, 2X, 3X & 4X), please inquire.

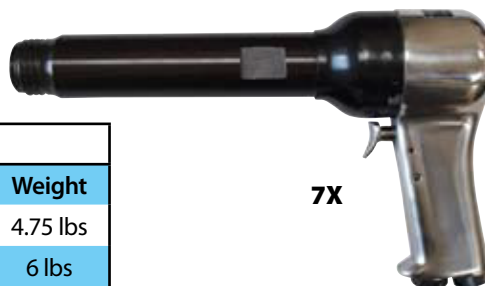
Economy .401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
1X	3,600	1/8" Aluminum	5-11/16"	2.0 lbs
2X	2,580	5/32" - 3/32"	6-11/16"	2.25 lbs
3X	2,160	3/16" - 5/32"	7-5/16"	2.35 lbs
4X	1,740	1/4" - 3/16"	8-5/16"	2.75 lbs



TP82

U. S. Industrial Type				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
TP82	2,580	5/32" - 3/32"	6-11/16"	2.25 lbs
TP83	2,160	3/16" - 5/32"	7-5/16"	2.35 lbs
TP84	1,740	1/4" - 3/16"	8-5/16"	2.75 lbs

Economy .498" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
5X	1,560	9/32" - 3/16"	8-5/16"	4.75 lbs
7X	900	3/8" - 5/16"	11-5/16"	6 lbs
9X	1,140	5/16" - 1/4"	9-5/16"	2.25 lbs



7X

CHICAGO PNEUMATIC® RIVET GUNS

- Aluminum offset pistol handle.
- Genuine CP original design.
- Includes retainer spring.
- Built in power regulator.
- Teasing trigger.
- Red powder coated finish.

Note: Rivet set not included.



CP4444RURAB

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
CP4444RURAB	2,580	1/8" - 3/32"	6-11/24"	2.25 lbs
CP4444RUSAB	2,160	3/16" - 5/32"	7-5/16"	2.25 lbs
CP4444RUTAB	1,740	1/4" - 3/16"	8-5/16"	2.75 lbs



CP4447RUSAB

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
CP4447RURAB	1,560	9/32" - 3/16"	8-5/16"	4.75 lbs
CP4447RUSAB	900	3/8" - 5/16"	11-5/16"	6 lbs
CP4447RUTAB	1,140	5/16" - 1/4"	9-5/16"	5.125 lbs

U.S. INDUSTRIAL TOOL RIVET GUNS

- Aluminum offset pistol handle.
- Includes retainer spring.
- TP2012 power regulator.
- Teasing trigger.
- Black powder coated finish.



US3X

.401" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
US1X	3,600	1/8" - 1/8"	5-11/16"	2.0 lbs
US2X	2,580	1/8" - 3/32"	6-11/16"	2.3 lbs
US3X	2,160	3/16" - 5/32"	7-5/16"	2.4 lbs
US4X	1,740	1/4" - 3/16"	8-5/16"	2.8 lbs



US7X

.498" Shank				
Part Number	Blows Per Minute	Capacity (alum. - steel)	Length	Weight
US5X	1,560	9/32" - 3/16"	9-1/4"	5.0 lbs
US7X	900	3/8" - 5/16"	11-1/2"	6.1 lbs
US9X	1,140	5/16" - 1/4"	10"	5.3 lbs

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BREAK LOOSE TOOLS

- Will remove most frozen screws, nuts or bolts quickly & easily.

Note: TP328 comes with 1/4" hex adapter



TP328

.401" Shank Part Number	Tool Description	Overall Length
TP328	Long Tool (3/8" sq. drive) with wrench	7"
AT540S	Short Tool (3/8" sq. drive) with wrench	4-1/2"

Part Number	Description
54K	Adapter Kit: 1/4 hex, 4 bits (one for #2 & #3 Phillips, and #8 & #10 slotted screws)

SWIVELING DIMPLING TOOLS

- 3-1/2" long.



SM10SP

.401" Shank - Female Straight Swivel Rivet Set	
Part Number	Rivet Diameter
SM10SD-4263	3/32"
SM10SD-4264	1/8"
SM10SD-4265	5/32"
SM10SD-4266	3/16"

.401" Shank - Male Straight Swivel Rivet Set	
Part Number	Rivet Diameter
SM10SP-4263	3/32"
SM10SP-4264	1/8"
SM10SP-4265	5/32"
SM10SP-4266	3/16"

RIVET SET ADAPTER

- Allows use of squeezer sets with your rivet gun.
- Accepts standard squeezer sets, dimple punch & die sets.

.401" Shank Part Number	Set Hole Size	Overall Length
SM10-187	.187"	3-1/2"



.187 BUCKING BLOCK SET

TP93

Bucking blocks are actually holding squeezer sets or dimple dies. They enable the fabricator to perform the operation with a rivet gun.



RIVET LENGTH GAUGE

- Checks proper length of rivets before setting.
- Color coded.
- For both universal head & flush rivets.



Part Number	For Rivets
TP853	-3, -4, -5 & -6

SHOP HEAD RIVET GAUGE SET

- Measures minimum height & diameter of shop heads after setting.
- For both universal head & flush rivets.
- Color coded.



Part Number	For Rivets
TP854	-3, -4, -5 & -6

PRO MECHANIC PRECISION RIVET GAUGE SET

Part Number	For Rivets
TP854P-3	-3 or 3/32"
TP854P-4	-4 or 1/8"
TP854P-5	-5 or 5/32"
TP854P-6	-6 or 3/16"
TP854P-7	-7 or 7/32"
TP854-8	-8 or 1/4"

- Precision machined.
- Provides accurate rivet shank measurement of minimum to maximum. Dovetail finished diameters, as driven.
- Approximately 1" x 1" size.
- Nominal gauge slot for identification of rivet diameter
- Dovetail heights based on 1.5 D (rivet diameter versus length of shank minus actual material stack up)



SNAP SOC RIVET CAPS

- Protects rivets & skin from damage.
- Lasts for approx. 50-75 rivets.
- Fits all standard 1/2" body rivet sets.

Part Number	Rivet Size	Color
JE10003	3/32"	White
JE10004	1/8"	Red
JE10005	5/32"	Green
JE10006	3/16"	Yellow
JE10007	1/4"	Blue



3M RIVETER'S TAPE

- Reduces manpower and time on large riveting jobs.
- Adhesive-free center window ensures easy visibility of rivets.

Part Number	Width	Thickness	Overall Length
TP808A	3/4"	4 mil.	36 yards
TP808B	1"	4 mil.	36 yards

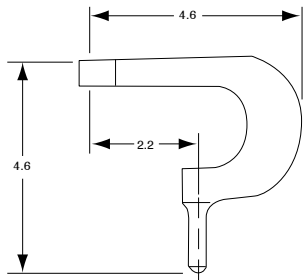


TP808B

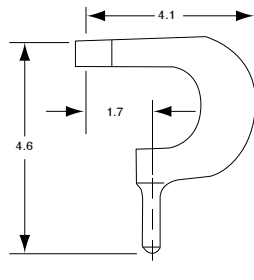
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LIMITED ACCESS OFFSET RIVET SETS FOR HUCK® LOCKBOLTS



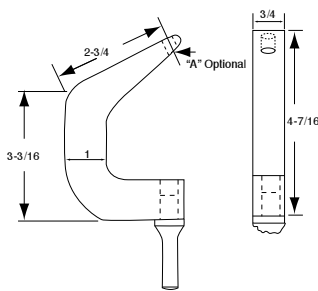
SMH140C-7



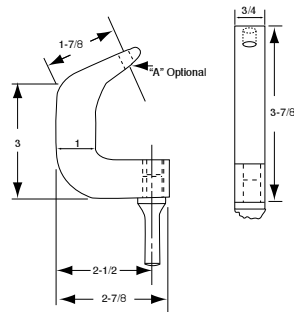
SMH140C-4

.401" Shank Part Number	Rivet Size
SMH140C-4	1/8"
SMH140C-5	5/32"
SMH140C-6	3/16"
SMH140C-7	1/8"
SMH140C-8	5/32"
SMH140C-9	3/16"

LIMITED ACCESS OFFSET RIVET SETS



SMGP

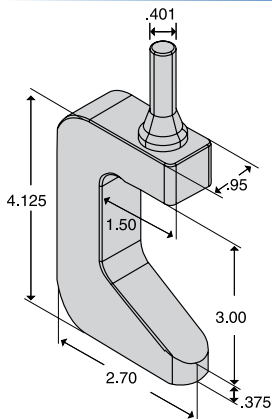


SMG2

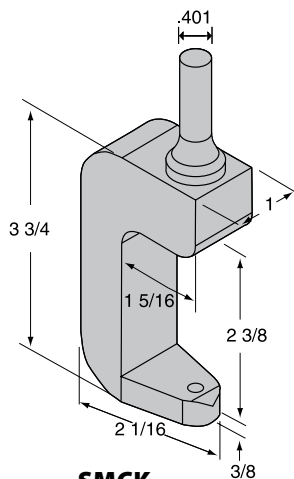
- Set hole model allows use of squeezer sets with your rivet gun.
- Accepts standard squeezer sets, dimple punch & die sets.

.401" Shank Part Number	Type
SMG-P	Flush
SMG-PA	.250" Set Hole
SMG2-P	Flush
SMG2-PA	.250" Set Hole

LIMITED ACCESS OFFSET RIVET SETS



SM0F-C



SMCK

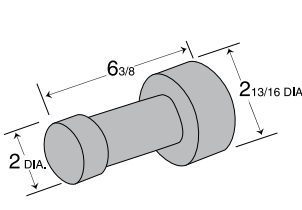
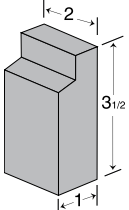
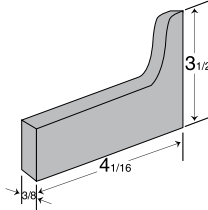
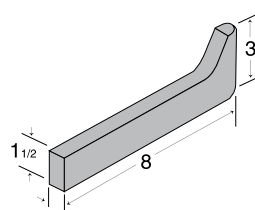
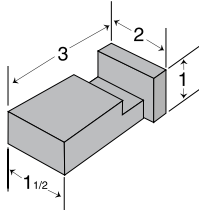
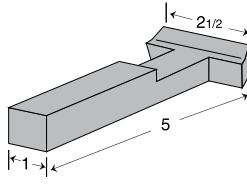
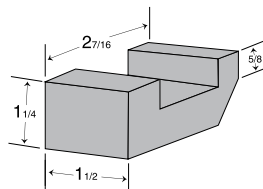
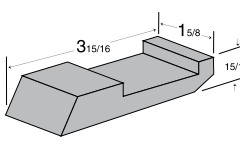
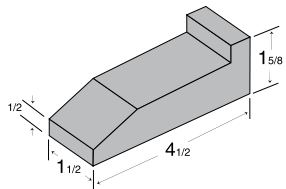
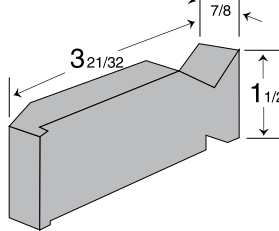
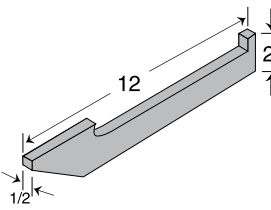
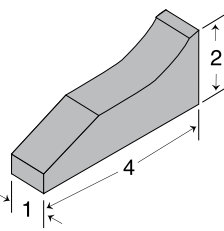
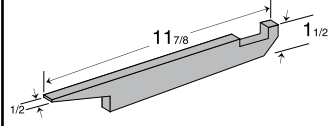
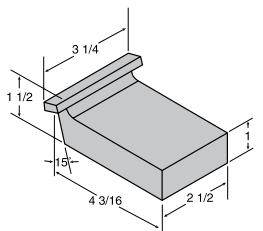
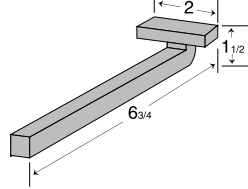
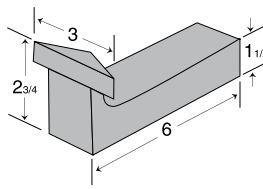
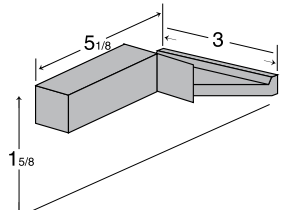
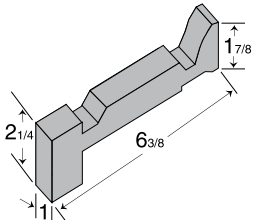
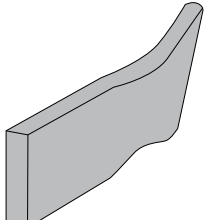
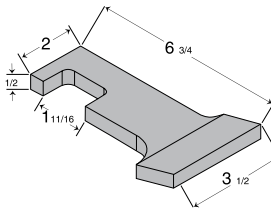
- Set hole model allows use of squeezer sets with your rivet gun.
- Accepts standard squeezer sets, dimple punch & die sets.

.401" Shank Part Number	Type
SMCK-1A	Flush
SMCK-1	.187" set hole
SM0F-C-401A	Flush
SM0F-C-401	.187" set hole

ATI AND U.S.I. BUCKING BARS

- We offer both ATI and U.S.I. bucking bars.

Cast with Ductile Iron to insure a non porous finish which is very important for a highly polished finish. Heat treated to 38-42 RC and can be repolished many times without changing hardness. Work surfaces are highly polished. Quantity prices available on request.

			
AT601 - 5.25 lbs.	AT605 - 1.5 lbs	AT610 - .75 lbs.	AT614 - 2.75 lbs.
			
AT619 - 1.25 lbs.	AT633 - 1.50 lbs. TP633 - 1.25 lbs.	AT634 - 1.0 lbs.	AT638 - 1.25 lbs.
			
AT639 - 2.0 lbs. TP639 - 2.0 lbs.	AT643 - 1.25 lbs.	AT646 - 2.25 lbs. TP646 - 2.25 lbs.	AT647 - 1.5 lbs. TP647 - 1.5 lbs.
			
AT649 2.0 lbs.	AT658 - 3.75 lbs.	AT662 - .75 lbs. TP662 - 1.82 lbs.	AT667 - 4.0 lbs.
			
AT669 - 1.5 lbs. TP669 - 1.38 lbs.	AT670 - 1.75 lbs. TP670 - 1.75 lbs.	AT676 - .75 lbs.	AT671 - 2.25 lbs.

• Indicates polished side.

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ATI AND U.S.I. BUCKING BARS

AT683 3.0 lbs.	AT690 2.5 lbs	AT692 3.0 lbs. TP692 3.0 lbs.	AT701 2.75 lbs.
AT715 2.0 lbs.	AT721 1.75 lbs.	AT723 1.25 lbs.	AT730 1.25 lbs.
AT736 - 2.25 lbs. TP736 - 2.38 lbs.	AT750V-1 - 1.25 lbs.	AT751S-1 - 2.75 lbs.	AT751V-1 - 1.25 lbs.
AT752P-1 - 1.0 lb.	AT760B-2 - 1.25 lbs. TP760B-1 - 1.13 lbs.	AT760B-10 - 2.0 lbs.	AT760C-1 - 1.20 lbs.
AT763 - 1.5 lbs.	TP1090 - 1.38 lbs.	AT750P-3 - 2.75 lbs. TP1111 - 2.6 lbs.	AT681 - 1.5 lbs. TP1112 - 1.38 lbs.
AT702 - 2.0 lbs.			

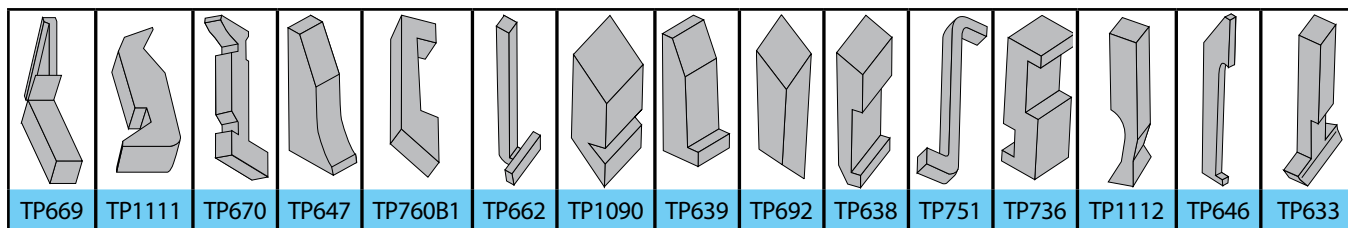
• We offer both ATI and U.S.I. bucking bars.

• Indicates polished side.

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BUCKING BAR SETS



Note: See following pages for dimensional data.

Part Number	Bucking Bars Included	Weight
TP150	TP638, TP647, TP670, TP1112	5.88 lbs.
TP150-6	TP150 + TP669, TP1111	9.86 lbs.
TP150-10	TP150-6 + TP692, TP736, TP751, TP1090	18.60 lbs.
TP150-15	TP150-10 + TP639, TP662, TP646, TP633, TP760B1	27.0 lbs.



TUNGSTEN BUCKING BAR

Bucking bars made of tungsten provide increased weight (density) to allow riveting in confined areas. The weight to size ratio provides good kinetic energy transfer and will expedite the installation process. We offer a standard shape and a consistent weight that should allow up to 3/16 diameter fastener installation.

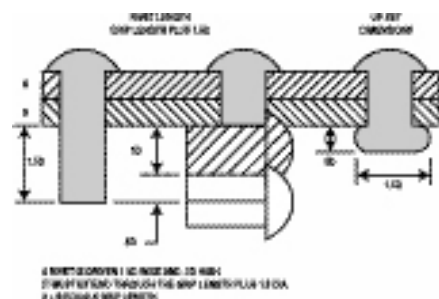
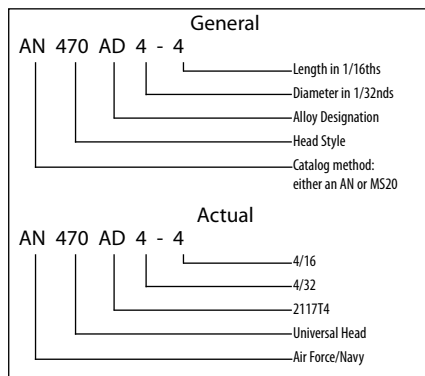
TP1111T 7.03 lbs.	TP51T 3.50 lbs.	TP52T 3.80 lbs.	TP54T 2.20 lbs.	TP55T 1.76 lbs.
TP56T 2.97 lbs.	TP601T 12.25 lbs.	TP605T 3.39 lbs.	TP634T 2.02 lbs.	TP639T 3.77 lbs.
TP646T 6.05 lbs.	TP647T 3.15 lbs.	TP662T 4.38 lbs.	TP670T 5.23 lbs.	TP721T 3.30 lbs.
TP723T 3.08 lbs.	TP736T 4.63 lbs.	TP760B-1T 2.86 lbs.	TP760B-10T 3.55 lbs.	

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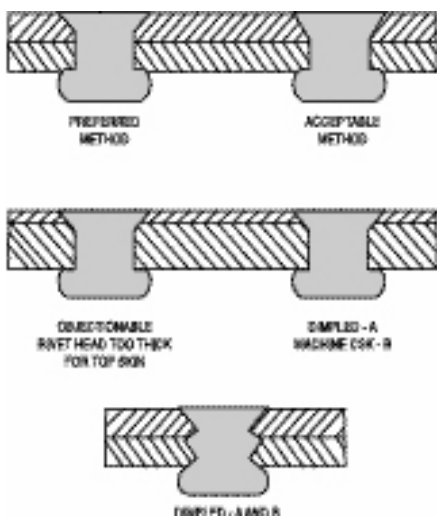
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RIVET TIPS & TECHNICAL INFORMATION

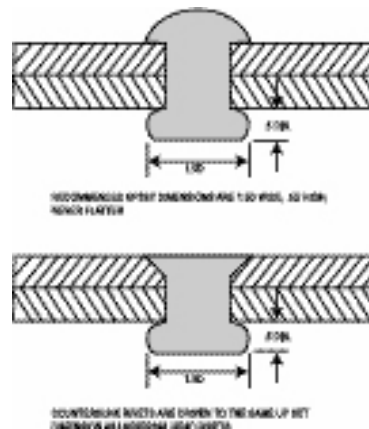
RIVET DESIGNATIONS



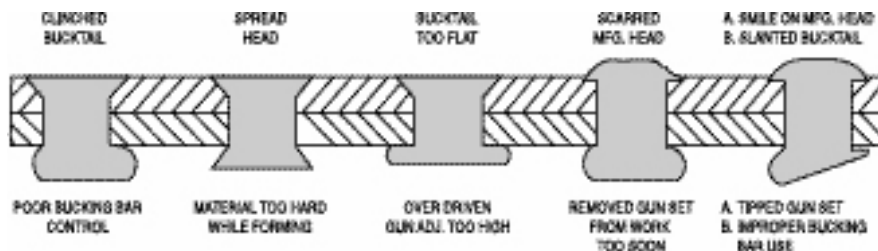
COUNTERSINK/DIMPLING



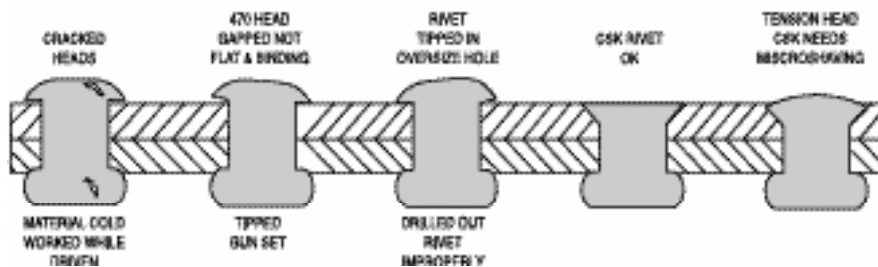
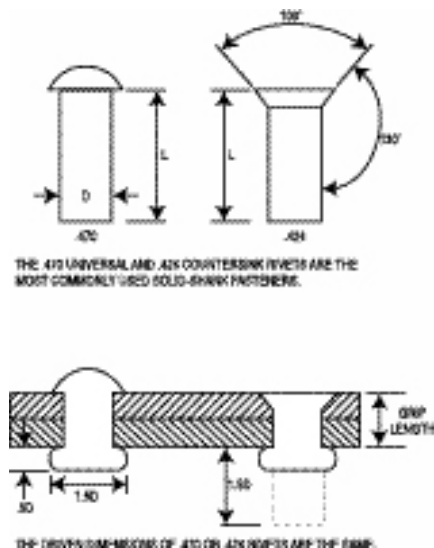
RIVET SETTING DIMENSIONS



COMMON RIVET PROBLEMS & REASONS



RIVET SETTING DIMENSIONS



Rivet Size	Rivet Dia. Decimal	Drill Number	Drill Decimal	Hole over Size	Cleco Color	Bucking Bar Weight	Min. Edge Distance	Min. Rivet Pitch
3/32	.0937	40	.0980	.0043	Silver	2-3 lbs.	3/16	9/32
1/8	.125	30	.1285	.0035	Copper	3-4 lbs.	1/4	3/8
5/32	.15625	21	.1590	.0028	Black	3-4.5 lbs.	5/16	15/32
3/16	.1875	11	.1910	.0035	Gold	4-5 lbs.	3/8	9/16

AERO, CP, HI-SHEAR, U.S. INDUSTRIAL



AIT214C



CP0214 CELEL



8520-538



US114C, CC

Single Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
AIT214C	1-1/2"	1-1/4"	1/8" - 3/32"	11/16"	10-5/16"	4.5 lbs.	3000
CP0214- CELEL	1-1/2"	1-1/4"	1/8" - 3/32"	11/16"	10-5/16"	4.0 lbs.	3000
US114C	1-1/2"	1-1/4"	1/8" - 3/32"	11/16"	10-5/16"	3.0 lbs.	3000
US114CC	1-1/2"	1-1/4"	5/32" - 1/8"	11/16"	10-5/16"	3.0 lbs.	4200
8520-538	1-1/2"	1-1/4"	5/32" - 1/8"	11/16"	10-5/16"	4.5 lbs.	4500

• For squeezer-less yoke, add "ly" after part number.



AIT214TC



CP0214 FALEL



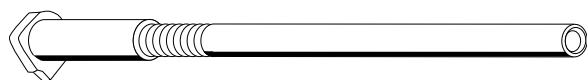
8522-538



US114TC, TCC

Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
AIT214TC	1-1/2"	1-1/4"	3/16" - 5/32"	11/16"	14"	5.5 lbs.	6000
CP0214- FALEL	1-1/2"	1-1/4"	3/16" - 5/32"	11/16"	14"	5.5 lbs.	6000
US114TC	1-1/2"	1-1/4"	3/16" - 5/32"	11/16"	14"	5.5 lbs.	6000
US114TCC	1-1/2"	1-1/4"	1/4" - 3/16"	11/16"	14"	5.5 lbs.	7700
8522-538	1-1/2"	1-1/4"	1/4" - 3/16"	11/16"	14"	5.5 lbs.	7700

ADJUSTABLE SET HOLDER



Part Number	Description
5052ADJ	Converts US114 & CP214 to adjustable set holder

360° SWIVEL YOKE RIVETER



US114C-YB

Single Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US114C-YB	3	1-1/4"	1/8" - 3/32"	11/16"	12"	5.0 lbs.	3000
US114TC-YB	3	1-1/4"	3/16" - 5/32"	11/16"	16"	6.0 lbs.	6000

• 360° swivel yoke locks in any position.

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TATCO STAINLESS STEEL HAND RIVET SQUEEZERS

- USA made.
- A portable, rugged solution for light to medium duty rivet squeezing.
- Heat-treated on all wear & deflecting components.
- Takes standard .187" shank rivet sets.

Part Number	Reach	Gap	Replacement Yoke
THS10	1"	1-1/4"	THY10
THS15	1-1/2"	1-1/4"	THY15
THS20	2"	1-1/4"	THY20
THS25	2-7/8"	1-1/4"	THY25
THS30	3"	1-1/4"	THY30
THS35	3-1/2"	1-1/4"	THY35
THS40	4"	1-1/4"	THY40
THS50	5"	1-1/4"	THY50
THS60	6"	1-1/4"	THY60



TATCO COMBO KITS

- Includes hand squeezer.
- Includes 1 ea. 3/32, 1/4, 5/32, 3/16 and two flush set (TP116A)
- Heat-treated on all wear & deflecting components.
- Takes standard .187" shank rivet sets.

Part Number	Yokes Included
THS15-2	THY15 & 20
THS20-3	THY20 & 30
THS15 3KIT	THY15, 20 & 30



ATI 360° SWIVEL HAND RIVET SQUEEZERS

- Full 360° yoke can be locked in any position.
- Tool has a 3/8" stroke & 5/8" ram adjustment (no washers needed).
- Takes standard .187" shank rivet sets.

Part Number	Description	Aluminum Capacity
AT502AHD	1-1/2" Yoke w/ adj. ram	5/32"
AT502AHE	3" Yoke w/ adj. ram	5/32"



AT502AH

ATI POWER HAND RIVET SQUEEZER

- Heat-treated tool steel jaws.
- Deep throat with ample leverage.
- Takes standard .187" shank rivet sets.

Part Number	Reach	Aluminum Capacity
AT501A	2-1/2"	3/16"



AT501A

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U.S. INDUSTRIAL HAND RIVET SQUEEZERS

A basic tool for all riveting operations. It has a unique adjustable rivet set holder which can be adjust for varioius rivet lengths.

- All parts are heat treated.
- .187 shank rivet set holes.
- Comes with 4 Universal AN470 rivet sets and 2 flush sets (TP116A)
- 14" length
- Storage pouch included.



TP116

Part Number	Reach	Gap	Aluminum Capacity
TP116	1-1/2"	1-1/2"	3/32" - 5/32"

U.S. INDUSTRIAL HEAVY DUTY HAND RIVET SQUEEZERS

This versatile tools is available individually as a 1", 2", 3" or 5" model or as combination units. By simply removing 3 hardened pins you can change the yoke to match your riveting or dimpling application. Longer, redesigned handle for increased force and ease of operation.

- Capable of forces in excess of 3,600 lbs.
- .187 shank rivet set holes.
- Comes with 4 Universal AN470 rivet sets and 2 flush sets (TP116A), .187 shank
- Adjustable set holder.
- 3/32" to 3/16" rivet capacity.
- Removable "C" yoke.
- 15.2" length
- Made from ductile steel.
- Storage pouch included.



TP888-3

Part Number	Yokes Included	Description	Replacement Yoke
TP888-1	1"	No set hole in yoke	9070-1
TP888-2	2"	1-1/4" gap	9070-2
TP888-3	3"	1-1/4" gap	9070-3
TP888-4	2" & 3"	both yokes	n/a
TP888-5	1", 2", 3"	3 yokes	n/a
TP888-6	5"	2-3/8" gap	9070-5
TP888-7	1", 2", 3", 5"	four yokes	n/a



DA SERIES 360° SWIVEL HAND RIVET SQUEEZERS

- Full 360° yoke can be locked in any position.
- Adjustable ram.
- Tool squeezes with 3,500 lbs. of pressure.
- Uses squeezer sets or 3/8"-24 adapter dolly (see below)
- Tool requires dolly adpater.



DA5

Part Number	Reach	Aluminum Capacity	Overall Length	Weight
DA-2	2-1/2"	5/32"	18-1/2"	6.5 lbs.
DA-5	6"	5/32"	18-1/2"	9 lbs.

DA ADAPTER DOLLIES

- Enables use of any of our .187" shank riveting or dimpling sets.
- Includes lock nut (two per set).

Part Number	'A' Dim	'B' Dim	'C' Dim	'D' Dim	Thead Size
3824-3/16	.187"	1"	1/2"	7/16"	3/8"-24

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HIGH FORCE SQUEEZERS

- Up to 13,500 lbs. of force through stroke.
- Eliminates squeezer set shims.
- 360° swivel yoke looks in any direction.
- Air-hydraulic.

CP0341CUDEL



Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
CP0341CUDEL	2-1/8"	2-3/4"	9/32" - 1/4"	1.0	17-1/2"	12.5 lbs.	13,500

HI-SHEAR HI-FORCE "C" SQUEEZER

- Ergonomic design.
- High strength yoke 3/4" thick.
- Precision bearings and shafts.



16357-7479

Multi Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Stroke at Max Force	Overall Length	Weight	Force
16357-7479	1-1/2"	1-1/4"	5/16" - 1/4"	1/8"	21.0"	10.1 lbs.	11,000

ATLANTIC HI-FORCE "C" SQUEEZER

- High output tool under 9 lbs.
- Precision bearings and shafts.



90C15

Multi Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
90C15	1-1/2"	1-1/4"	1/4" - 3/16"	11/16"	18-3/4"	8.5 lbs.	9,000

- Available swivel backhead - SH.
- Stationary backhead - FH.
- Uses same wedge to convert from "C" to Alligator by changing front end assembly.



444CFH

Multi Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Stroke at Max Force	Overall Length	Weight	Force
444CFH	2-1/8"	1-1/2"	5/16" - 1/4"	3/32"	23-3/16"	15-1/2"	12,000
444CSH	2-1/8"	1-1/2"	5/16" - 1/4"	3/32"	23-3/16"	16-1/2"	12,000

CHICAGO PNEUMATIC HEAVY-DUTY ALLIGATOR RIVETERS

- Tandem cylinder model nearly doubles thrust.
- Safety throttle guard included.
- Swivel air inlet.
- Red powdered coated finish.
- Made in the USA.



CP0351ESGEL



CP0351ASKEL

Single Cylinder						
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight
CP0351ASGEL	2-7/8"	1-5/8"	5/32" - 1/8"	7/8"	19-1/2"	15.75 lbs.
CP0351ASKEL	5"	1-5/8"	1/8" - 3/32"	7/8"	21-5/8"	19.75 lbs.
CP0351ASREL	7"	2"	1/8" - 3/32"	1-1/2"	23-5/8"	24.25 lbs.
CP0351ASVEL	9-1/8"	2-3/16"	1/8" - 3/32"	3/4"	25-3/4"	26.25 lbs.

Tandem Cylinder						
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight
CP0351ESGEL	2-7/8"	1-5/8"	1/4" - 3/16"	7/8"	23-3/4"	18.5 lbs.
CP0351ESKEL	5"	1-5/8"	3/16" - 5/32"	7/8"	25-7/8"	22.5 lbs.
CP0351ESREL	7"	2"	3/16" - 5/32"	1-1/2"	27-7/8"	27.0 lbs.
CP0351ESVEL	9-1/8"	2-3/16"	3/16" - 5/32"	3/4"	30"	29.0 lbs.

U.S. INDUSTRIAL HEAVY-DUTY ALLIGATOR RIVETERS

- Black powdered coated finish.
- Speed of squeeze riveter can be controlled by throttle
- Swivel air inlet aids maneuverability.
- Tandem cylinder doubles compression force available from tool.
- Develops full squeezing force with only 90 p.s.i. air pressure.
- One piece bearing for long life.
- Cast alloy steel lever positioned for user comfort.
- Made in the USA.



US151A

Single Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US151A-2-7/8	2-7/8"	1-5/8"	5/32" - 1/8"	7/8"	19-1/2"	15.0 lbs.	5,200
US151A-4	4"	2-19/32"	3/16" - 5/32"	1-1/32"	20-5/8"	20.5 lbs.	6,500
US151A-5	5"	1-5/8"	1/8" - 3/32"	7/8"	21-5/8"	19.0 lbs.	3,400
US151A-7	7"	2"	1/8" - 3/32"	1-1/2"	23-5/8"	23.0 lbs.	3,000
US151A-9-1/8	9-1/8"	2-3/16"	1/8" - 3/32"	3/4"	25-3/4"	25.0 lbs.	3,000

Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US151TA-2-7/8	2-7/8"	1-5/8"	1/4" - 3/16"	7/8"	23-3/4"	17.5 lbs.	10,400
US151TA-4	4"	2-19/32"	7/32" - 3/16"	1-1/32"	25"	22.8 lbs.	11,000
US151TA-5	5"	1-5/8"	3/16" - 5/32"	7/8"	25-7/8"	21.5 lbs.	6,800
US151TA-7	7"	2"	3/16" - 5/32"	1-1/2"	27-7/8"	26.0 lbs.	6,000
US151TA-9-1/8	9-1/8"	2-3/16"	3/16" - 5/32"	3/4"	30"	28.0 lbs.	6,000

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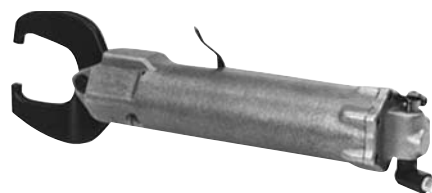
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HIGH FORCE SQUEEZERS

- FH - Fixed Head
- SH - Swivel Head



444ASH



ATLANTIC 90A

FH - Alligator Yoke Tri-Cylinder

Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
444AFH-A32	3-1/4"	2-1/8"	9/32" - 7/32"	7/8"	22-1/2"	14.5 lbs.	9,800
444AFH-A52	5-1/4"	2-1/8"	1/4" - 3/16"	7/8"	24-1/2"	16.0 lbs.	6,800
444AFH-A72	7-1/4"	2-1/8"	3/16" - 5/32"	7/8"	26-1/2"	17.5 lbs.	6,000
444AFH-A92	9-1/8"	2-1/8"	3/16" - 5/32"	7/8"	28-1/2"	21.5 lbs.	6,000

SH - Alligator Yoke Tri-Cylinder

Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
444ASH-A32	3-1/4"	2-1/8"	9/32" - 7/32"	7/8"	22-1/2"	15.5 lbs.	9,800
444ASH-A52	5-1/4"	2-1/8"	1/4" - 3/16"	7/8"	24-1/2"	17.0 lbs.	6,800
444ASH-A72	7-1/4"	2-1/8"	3/16" - 5/32"	7/8"	26-1/2"	18.5 lbs.	6,000
444ASH-A92	9-1/8"	2-1/8"	3/16" - 5/32"	7/8"	28-1/2"	22.5 lbs.	6,000

Alligator Yoke Tri-Cylinder

Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
90A15HD	1-1/2"	1-5/8"	1/4" - 3/16"	7/8"	16"	7 lbs.	9,000
90A22HD	2-1/4"	1-3/4"	3/16" - 5/32"	7/8"	16-3/4"	7.5 lbs.	7,000
90A30HD	3"	2-1/8"	3/16" - 5/32"	7/8"	17-1/2"	8 lbs.	5,200

HI SHEAR ULTRALITE® TRI-CYLINDER RIVETERS

- .187 set holes.
- High strength forged jaw.
- Precision bearings and shafts.
- 1/4 holes available.



17283

Alligator Yoke Tri-Cylinder

Part Number	Jaw Reach	Capacity (alum. - steel)	Max. Force @ 90 psi	Overall Length	Weight
17283-17148	3"	1/4" - 3/16"	10,000 lbs.	20-1/4"	8.4 lbs.
17283-17146	5"	3/16" - 5/32"	6,800 lbs.	22-1/2"	9.5 lbs.
17283-19000	7"	5/32" - 1/8"	4,400 lbs.	24-1/2"	13.0 lbs.

AERO, CHICAGO PNEUMATIC, HI-SHEAR, U.S. INDUSTRIAL

- .187" set hold.
- Sure Grip finish
- Force at 90 PSI



AIT214A-1-1/2



CP0214ANBEL



**US114AA
8521-7360**

Single Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
AIT214A-1-1/2	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	9-3/16"	3.75 lbs.	3,000
AIT214A-2-1/4	2-1/4"	1-3/4"	1/8" - 3/32"	7/8"	10-1/8"	4.25 lbs.	2,200
AIT214A-3	3"	2-1/8"	3/32" - 1/16"	7/8"	10-3/4"	4.50 lbs.	1,800

CHICAGO PNEUMATIC® ALLIGATOR YOKE RIVETERS

Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
CP0214ANBEL	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	9-3/16"	3.75 lbs.	3,000
CP0214ANFEL	2-1/4"	1-3/4"	3/32" - 3/32"	7/8"	10-1/8"	4.25 lbs.	2,200
CP0214ANGEL	3"	2-1/8"	3/32" - 1/16"	7/8"	10-3/4"	4.50 lbs.	1,800

U. S. Industrial Tandem Cylinder Hi-Shear							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US114A-1-1/2	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	9-3/16"	3.75 lbs.	3,000
US114A-2-1/4	2-1/4"	1-3/4"	1/8" - 3/32"	7/8"	10-1/8"	4.25 lbs.	2,200
US114A-3	3"	2-1/8"	3/32" - 1/16"	7/8"	10-3/4"	4.50 lbs.	1,800
US114AA-1-1/2"	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	9-3/16"	3.75 lbs.	4,300
US114AA-2-1/4"	2-1/4"	1-3/4"	3/32" - 1/16"	7/8"	10-1/8"	4.25 lbs.	3,900
US14AA-3	3"	2-1/8"	3/32" - 1/8"	7/8"	10-3/4"	4.50 lbs.	3,400
8521-7360	1-1/2"	1-5/8"	3/16" - 5/32"	7/8"	9-3/16"	3.75 lbs.	4,500
8521-7362	2-1/4"	1-3/4"	5/32" - 1/8"	7/8"	10-1/8"	4.25 lbs.	3,300
8521-7364	3"	2-1/8"	1/8" - 3/32"	7/8"	10-7/8"	4.75 lbs.	2,700

- High joint integrity independent of operator skill level.
- Speed of squeeze riveter can be controlled by throttle.
- Swivel air inlet aids maneuverability.
- Tandem cylinder doubles compression force available from tool.
- Develops full squeezing force with only 90 psi air pressure.
- One piece baring for long life.

- Yellow "Sure Grip" finish for positive handling.
- Cast alloy steel lever positioned for user comfort.
- Made in the USA.



US114TA

Long Beach USI Tandem Cylinder Squeezer							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US114TA-5-1/4"	5-1/2"	7/8"	1/8" - N/A	7/8"	16"	7.9 lbs.	2,600
US114TAA-5-1/4"	5-1/2"	7/8"	5/32" - N/A	7/8"	16"	7.9 lbs.	3,000

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AERO, CHICAGO PNEUMATIC, HI-SHEAR, U.S. INDUSTRIAL

Sure Grip finish



AIT214TA



CP0214EANBL

US114TAA
8522

Aero Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
AIT214TA-1-1/2	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	12"	5.0 lbs.	6,000
AIT214TA-2-1/4	2-1/4"	1-3/4"	1/8" - 3/32"	7/8"	13"	5.5 lbs.	4,300
AIT214TA-3	3"	2-1/8"	3/32" - 1/16"	7/8"	13-3/4"	6.0 lbs.	3,400

CP Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
CP021EANBEL	1-1/2"	1-5/8"	3/16" - 5/32"	7/8"	11-5/16"	4.7 lbs.	6,000
CP0214ENFEL	2-1/4"	1-3/4"	5/32" - 1/8"	7/8"	12-3/4"	5.25 lbs.	4,300
CP0214ENGEL	3"	2-1/8"	1/8" - 3/32"	7/8"	13-1/2"	5.5 lbs.	3,400

U. S. Industrial Tandem Cylinder Hi-Shear							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US114TA-1-1/2	1-1/2"	1-5/8"	1/8" - 3/32"	7/8"	12"	5.0 lbs.	6,000
US114TA-2-1/4	2-1/4"	1-3/4"	1/8" - 3/32"	7/8"	13"	5.5 lbs.	4,300
US114TA-3	3"	2-1/8"	3/32" - 1/16"	7/8"	13-3/4"	6.0 lbs.	3,400
US114TAA-1-1/2"	1-1/2"	1-5/8"	1/4" - 3/16"	7/8"	12"	5.0 lbs.	7,500
US114TAA-2-1/4"	2-1/4"	1-3/4"	3/16" - 5/32"	7/8"	13"	5.5 lbs.	6,300
US14TAA-3	3"	2-1/8"	3/16" - 1/8"	7/8"	13-3/4"	6.0 lbs.	5,600
8522-7360	1-1/2"	1-5/8"	1/4" - 3/16"	7/8"	12"	5.5 lbs.	8,000
8522-7362	2-1/4"	1-3/4"	3/16" - 5/32"	7/8"	13"	6.0 lbs.	6,450
8522-7364	3"	2-1/8"	5/32" - 1/8"	7/8"	13-3/4"	6.25 lbs.	5,100

702 HI-SHEAR ULTRALITE SQUEEZER

- Safety throttle
- 90° elbow air inlet
- .187 set holes



22360-22342

Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
22360-22342	1"	1-7/64"	1/8" - 3/32"	.843	7.320	2.2 lbs.	2200

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CHICAGO PNEUMATIC® C-YOKE RIVETERS

- Safety throttle guard included
- Optional yoke available
- Red powdered coat finish
- .187 set holes



CP0351CUDEL

Single Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
CP0351CUDEL	2-1/8"	1-3/16"	3/16" - 5/32"	25/32"	17-1/2"	12.5 lbs.	6,000

Tandem Cylinder							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
CP0351FUDEL	2-1/8"	1-3/16"	1/4" - 7/32"	25/32"	21-3/4"	15.25	12,000

U.S. INDUSTRIAL C-YOKE RIVETERS

- Plunger speed can be controlled by throttle
- Swivel air inlet aids maneuverability
- Optional yokes available
- Develops full squeezing force with only 90 p.s.i. air pressure
- Cast alloy steel lever positioned for user comfort
- Made in the U.S.A.
- CE certified
- US155 has .250 set holes
- Black powdered coat finish



**US151TC
SINGLE CYLINDER**



US155

Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
US151C	2-1/8"	1-3/16"	3/16" - 5/32"	25/32"	17-1/2"	9.5 lbs.	6,000
US151TC	2-1/8"	1-3/16"	1/4" - 7/32"	25/32"	21-3/4"	12.5 lbs.	12,000
US155	2-1/8"	1-7/8"	1/4 - 7/32"	25/32"	20"	21 lbs.	12,000

U.S. INDUSTRIAL SHORT STROKE FOR US151C

Part Number	Description
2449-2450	Guard assembly for short stroke



HI-SHEAR (APT)

- 2-1/16" bolt frame, style 2
- Safety approved throttle lever
- Anodized aluminum housing
- 90° elbow swivel air inlet
- Tool steel roller bearing and shaft



Hi-Shear Heavy Duty "C" Squeezer							
Part Number	Reach	Gap	Capacity (alum. - steel)	Closed Yoke Height	Overall Length	Weight	Force
9475-991	2-1/8"	1-3/32"	3/16" - 5/32"	13/16"	17-3/4"	12.75 lbs.	6,000

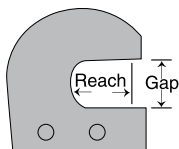
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C YOKES

U.S. INDUSTRIAL "C" YOKES TO FIT

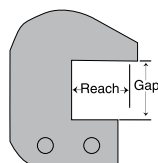
Note: Some yokes might require longer set holders



Part Number	Reach	Gap
YK1-2-1/2-2	2-1/2"	2"
YK1-3-3	3"	3"
YK1-3-3-1/2	3"	3-1/2"
YK1-3-1/2-2	3-1/2"	2"
538	1-1/2"	1-1/4"
958	2"	1-1/4"
959	2-1/2"	1-3/8"
960 HD	3"	1-1/2"
961 HD	3-1/2"	1-1/2"
1310C	5"	2-1/2"
1337C	2-1/16"	2-1/16"
1349C	1-3/4"	1-3/4"
1925C	2-3/8"	2-5/16"
2282C	4-1/2"	1-1/2"
2319C	1-3/16"	1-5/16"
872004	3-7/8"	1-3/16"
872006	5-3/8"	1-1/4"
872009	2-3/4"	1-3/16"
872016	5-23/32"	1-3/16"
872017	1-3/4"	1-1/4"
872019	1-3/16"	1-3/16"
872025	5"	2"

U.S. INDUSTRIAL "C" YOKES TO FIT

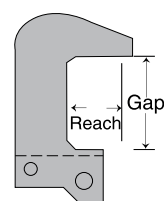
US151 & CP0351 CUNEL COMPRESSION RIVETERS WITH STANDARD #1A YOKE FRAME



Part Number	Reach	Gap
982	4-7/16"	1-3/16"
986T-3091	4-1/16"	1-7/16"
987	1-7/16"	2-5/8"
990	2-1/8"	1-3/16"
990FM	1-1/4"	1-17/32"
990-T3091	2-3/8"	1-3/16"
1004	3-1/2"	1-1/4"
1005	2"	2"
1887C	6"	1-1/4"
2060C	3-1/2"	2"
10005	7/8"	1"
35230	5"	2-1/2"

U.S. INDUSTRIAL "C" YOKES TO FIT

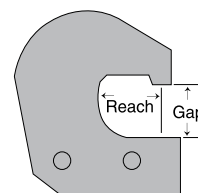
US151 & CP0351 CUNEL COMPRESSION RIVETERS WITH #2A YOKE FRAME



Part Number	Reach	Gap
991	2-1/16"	1"
994	3-3/4"	1-1/4"
995	3-5/16"	3"
35231	5"	2-1/2"
35237	1-1/2"	3-1/2"
4545	4-1/2"	4-1/2"
35235	6-1/2"	3-1/2"
35233	2"	3-3/4"
35232	2-1/2"	5"
10015	2-1/8"	2-1/8"

U.S. INDUSTRIAL "C" YOKES TO FIT

US155 & CP355 CEBEL COMPRESSION RIVETER



Part Number	Reach	Gap
1010	2-1/8"	1-7/8"
1045	4-1/2"	1-15/16"
35234	12"	3-1/2"

C YOKES FOR SEMI-TUBULAR RIVETS

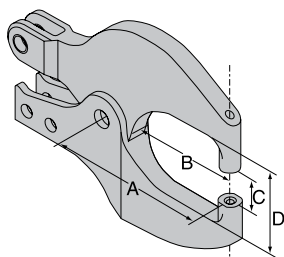
Part Number	Reach	Gap	CP214C & US114C
060,061	1"	1-9/16"	1-5/16"
060,008	1-1/2"	2"	
060,009	1-1/2"	2-1/2"	
060,022	1-1/2"	3"	
060,034	1-1/2"	3-1/2"	
060,038	1-1/2"	3-3/4"	

- Designed for especially for semi-tubular rivets to 5/16"
- Takes standard .187" shank rivet sets

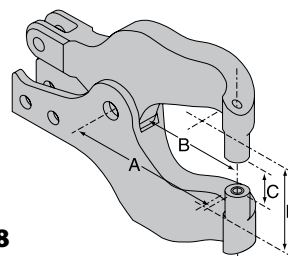


CP214, US114 ALLIGATOR YOKES

- Will fit US114C and other like tools
- Complete with all bearings and pins
- Straight type
- .187 set hole



5108

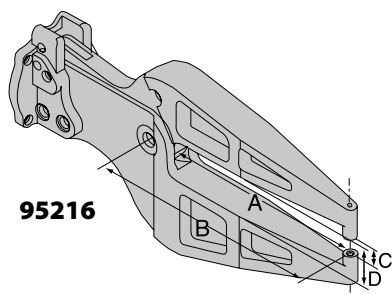


2242

Part Number	A	B	C	D
5107	2-1/8"	1-1/2"	7/8"	1-5/8"
5113	2-1/4"	1-9/16"	11/16"	1-7/64"
5112	3"	2-1/2"	39/64"	1-23/64"
5108	3"	2-1/4"	7/8"	2-1/8"
5110	3"	2-3/8"	7/8"	2-1/8"
5109	3-3/4"	3"	7/8"	2-1/8"
5114	6-1/8"	5-1/2"	7/8"	2-1/8"
5115	6-1/8"	5-1/2"	7/8"	3-1/2"

Offset - Right Hand				
Part Number	A	B	C	D
2242	3-3/4"	3-1/8"	7/8"	2-1/8"
1961	3-3/16"	2-19/32"	7/8"	2-1/8"
5115	6-1/8"	5-1/2"	7/8"	3-1/2"

CP214, US114 ALLIGATOR YOKES



95216

- Will fit CP351, US151 and other like models
- Includes all bearings and pins, guards and adapter for proper installation onto cylinder (May require wedge change at extra charge.) Standard set hold size .187.

Offset - Right Hand					
Part Number	A	B	C	D	Opt. Wedge
95216	2-7/8"	4"	29/32"	1-41/64"	35161
95217	5"	6-3/16"	7/8"	1-15/16"	35161
95222	7"	8-1/8"	13/16"	1-7/8"	35161
95218	9"	10-1/4"	13/16"	1-7/8"	35162
95226	3-55/64"	5-1/32"	1-1/32"	2-19/32"	35161-7
95315	3-1/4"	4-3/8"	1-23/32"	2-1/8"	35161-7
95336	4-7/8"	6"	1"	4-3/4"	35161-7
95224	5"	6-1/8"	1-3/8"	3-41/64"	35161
95219RBS	9-1/8"	10-1/4"	3"	1-7/8"	35162

ATI 360° SWIVEL C YOKES



AT502YA

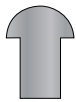
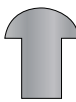

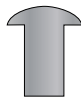
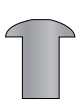

- Will fit CP214C, US114C and other like models
- Locks in any position
- Adjustable tool holder eliminates the need for shimming

Part Number	Will Fit	Reach	Gap
AT502YA	CP0214CENEL, US114C, TC and AIT214C	1-1/2"	1-1/4"
AT502YB		3"	1-1/4"

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RIVET HEAD STYLES

RIVET DIA. (inches)																	
	AN-435 BUTTON			AN-430 ROUND			AN-455 BRAZIER			AN-456 MODIFIED BRAZIER		AN-470 UNIVERSAL				AN-442 FLAT	
A	B	C	R	B	C	R	B	C	R	B	C	B	C	R	E	B	C
1/16"	.109	.047	.055	.125	.047	.065	.156	.031	.113	.117	.023	.125	.027	.054	.031	.125	.025
3/32"	.166	.070	.084	.187	.070	.098	.234	.047	.170	.156	.031	.187	.041	.082	.047	.187	.037
1/8"	.219	.094	.111	.250	.094	.130	.312	.063	.226	.235	.046	.250	.054	.108	.063	.250	.050
5/32"	.273	.117	.138	.312	.117	.162	.390	.078	.283	.312	.063	.312	.067	.135	.078	.312	.062
3/16"	.328	.141	.166	.375	.141	.195	.468	.094	.340	.390	.078	.375	.082	.164	.094	.375	.075
1/4"	.437	.188	.221	.500	.188	.260	.225	.125	.433	.468	.094	.500	.107	.217	.125	.500	.100
5/16"	.546	.234	.276	.648	.234	.325	.781	.156	.565	.625	.125	.648	.136	.272	.156	.648	.125
3/8"	.656	.281	.332	.750	.281	.391	.940	.187	.680	.781	.156	.750	.164	.328	.187	.750	.150

INSTRUCTIONS FOR SELECTING SQUEEZER SETS

To develop maximum power, the riveter must drive the rivet near the end of the riveter's stroke. For maximum power the combined length of the two rivet sets must be of the correct length. Determine the correct length as follows:

WHEN TWO FLUSH SETS ARE USE - The sum of the two rivet sets "L" dimension should equal the closed height dimension of the yoke minus the overall length of the rivet after it is driven.

WHEN ONE CUPPED SET & ONE FLUSH SET ARE USED - The sum of the two rivet sets "L" dimension should equal the closed height dimension of the yoke minus the total thickness of the material being riveted and the height of the finished rivet head driven by the flush set. If necessary, select rivet sets a little short and shim to proper length with hardened shims listed in the table. The closed height dimension of the yoke referred to above is the opening available when jaws of plunger are in extreme closed or forward position with both rivet sets in place.

CUPPED SQUEEZER SETS

- High alloy steel, made in U.S.A
- Faces polished to high luster
- Precision ground shanks
- Heat-treated for long wear and tool life.



SM200

Body Length	.187" Shank		.250" Shank		.312" Shank		.375" Shank	
	Part No. 3/8" Dia.	Part No. 1/2" Dia.	Part No. 5/8" Dia.	Part No. 5/8" Dia.	Part No. 5/8" Dia.	Part No. 5/8" Dia.		
1/8"	-	SM205-1/8	-	-	-	-		
1/4"	SM200-3/8	SM200	SM220	SM240	SM260			
3/8"	SM201-3/8	SM201	SM221	SM241	SM261			
1/2"	SM201-3/8	SM202	SM222	SM242	SM262			
5/8"	SM201-3/8	SM203	SM223	SM243	SM263			
3/4"	SM201-3/8	SM204	SM224	SM244	SM264			

Note: Select the size set required (chart above), then add the desired cupping (chart below).

Cupping Size	Part No. Round AN430	Part No. Button AN435	Part No. Flat AN442	Part No. Brazier AN455	Part No. Brazier AN456	Part No. Uni-versal AN470
1/16"	4302	4352	4422	4552	4562	4702
3/32"	4303	4353	4423	4553	4563	4703
1/8"	4304	4354	4424	4554	4564	4704
5/32"	4305	4355	4425	4555	4465	4705
3/16"	4306	4356	4426	4556	4566	4706

Cupping Size	Part No. Round AN430	Part No. Button AN435	Part No. Flat AN442	Part No. Brazier AN455	Part No. Brazier AN456	Part No. Uni-versal AN470
7/32"	4307	4357	4427	4557	4567	4707
1/4"	4308	4358	4428	4558	4568	4708
5/16"	43010	43510	44210	45510	45610	47010
3/8"	43012	43512	44212	45512	45612	47012

Example: For a .187" shank, 1/2" diameter, 1/4" L' dim. squeezer set with a 1/8" AN470 universal cupping, use part number SM200-4704.

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CUPPED SQUEEZER SETS FOR BOEING® BACR15FT TYPE



Note: Select the size set required (chart on right), then add the desired cupping (chart below).

Example: For a .187" shank, 1/2" diameter, 1/4" 'L' dim. squeezer set with a 1/8" BACR15FT cupping, use part number SM200-4704BAC.

Body Length	.187" Shank	.250" Shank
	Part Number	Part Number
1/4"	SM200	SM220
3/8"	SM201	SM221
1/2"	SM202	SM222

Cupping Size	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	9/32"
Part Number	4703BAC	4704BAC	4705BAC	4706BAC	4707BAC	4708BAC	4709BAC

SETS FOR AN450 TUBULAR RIVETS

- High alloy steel, made in U.S.A.
- Precision ground shanks
- Heat-treated for long tool life



FLARING



OVAL

Body Length	.187" Shank	.250" Shank	.312" Shank	.375" Shank
	Part Number	Part Number	Part Number	Part Number
1/4"	SM200	SM220	SM240	SM260
3/8"	SM201	SM221	SM241	SM261
1/2"	SM202	SM222	SM242	SM262
5/8"	SM203	SM223	SM243	SM263
3/4"	SM204	SM224	SM244	SM264

Note: Select the size set required (chart above), then add the desired rivet size and type (chart below).

Example: For a .187" shank, 1/4" 'L' dim. set with a 1/8" rivet size (flaring), use part number SM200-450H; for oval, use SM200-4 Oval.

Rivet Size	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"
Part No. Flaring	4502	4503	4504	4505	4506	4508	45010
Part No. Oval	-2 Oval	-3 Oval	-4 Oval	-5 Oval	-6 Oval	-8 Oval	-10 Oval

FLUSH SQUEEZER SETS

- High alloy steel, made in U.S.A.
- Precision ground shanks
- Heat-treated for long tool life



SM210

Body Length	.187" Shank		.250" Shank	.312" Shank	.375" Shank
	Part No. 3/8" Dia.	Part No. 1/2" Dia.	Part No. 5/8" Dia.	Part No. 5/8" Dia.	Part No. 5/8" Dia.
1/8"	SM210-3/8	SM210	SM230	SM250	SM270
3/16"	SM210A-3/8	SM210A	-	-	-
1/4"	SM211-3/8	SM211	SM231	SM251	SM271
3/8"	SM212-3/8	SM212	SM232	SM252	SM272
1/2"	SM213-3/8	SM213	SM233	SM253	SM273
5/8"	SM214-5/8	SM214	SM234	SM254	SM274
3/4"	SM215-3/8	SM215	SM235	SM255	SM275
7/8"	SM216-3/8	SM216	SM236	SM256	SM276
1"	SM217-3/8"	SM217	SM237	SM257	SM277

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SOFT BLANK SETS

Body Length	.187" Shank
	Part No.
1/4"	SM211S
3/8"	SM212S
1/2"	SM213S
5/8"	SM214S

Body Length	.187" Shank
	Part No.
3/4"	SM215S
7/8"	SM216S
1"	SM217S

- Not heat-treated, easily machinable
- Retainer spring provided



SM211S

SLEEVED & SPRING LOADED FLUSH SQUEEZER SETS

.187" Shank	Part No.	Shank	Inside Diameter	Outside Diameter
	SM2143	3/16"	3/8"	9/16"
	SM2144	3/16"	19/64"	1/2"



SM2143

SLEEVED & SPRING LOADED FLUSH SQUEEZER SETS



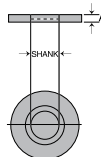
SMHS200-4

For Hi-Shear Rivets		
Rivet Size	.187" Shank Part Number	.250" Shank Part Number
1/8"	SMHS200-4	SMHS220-4
5/32"	SMHS200-5	SMHS220-5
3/16"	SMHS200-6	SMHS220-6
1/4"	SMHS200-8	SMHS220-8
5/16"	-	SMHS220-10
3/8"	-	SMHS220-12

For Huck Lockbolts		
Rivet Size	.187" Shank Part Number	.250" Shank Part Number
1/8"	SMH205-4	SMH225-4
5/32"	SMH205-5	SMH225-5
3/16"	SMH205-6	SMH225-6
1/4"	SMH205-8	SMH225-8
5/16"	-	SMH225-10
3/8"	-	SMH225-12

SPACER SHIMS

- Hard steel
- Invaluable for building up standard length body sets
- Enables operator to upset rivet to the 'nth' degree



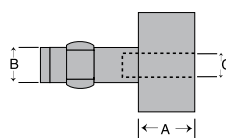
.187" Shank	
Part Number	Thickness
SMS0	1/64"
SMS1	1/32"
SMS2	1/16"

.250" Shank	
Part Number	Thickness
SMS3	1/32"
SMS4	1/16"
SMS5	1/8"

.312" Shank	
Part Number	Thickness
SMS6	1/32"
SMS7	1/16"
SMS8	1/8"

SHANK ADAPTERS

Part Number	Dimension Height	Male (shank)	Female (shank)
SMSA1	1/2"	.250"	.187"
SMSA2	3/8"	.312"	.187"



U.S. INDUSTRIAL BAIL (HANGER)

- Rotates 360°
- For US151 tools
- While the tool is suspended by the balancer, the operator is allowed to effortlessly position the tool for most applications
- Ball bearing design
- Tools not included

Part Number	Description
US151-3600	360° Rotation
US151-3615	360° TwoDirections



US151-3600

RIVET SQUEEZER SETS KITS



TP116A

Part Number	Description
TP116A	6 pc. Assortment Kit includes 2 ea. flush set; 1 ea. 4703-4:5 & -6
TP116A-11	11 pc. Assortment Kit includes 1 ea. SM200-4703; 4; 5 and -6; flush set 1/8" high thru -3/4"; plastic case
TP116M	36 pc. Assortment Kit includes assorted cupped & flush set; 3/8" & 1/2" dia. spacer shims; plastic case
24FSK	24 pc. flush kit includes assorted hard & soft flush sets (3/8" & 1/2" dia.); spacer shims; plastic case



TP116M

Note: Other kits available upon request.

ATI RIVET SQUEEZER KITS

- Each kit plate is engraved for identification and tool control

Part Number	Description
ATI08A-28PC	28 pc. Assortment Kit includes assorted cupped & flush sets, 1/2" dia. and plastic case
ATI08A-33PC	33 pc. Assortment Kit includes ATI08A-28PC plus 5 3/8" dia. flush sets



ATI08A-33PC

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FOOT CONTROL ATTACHMENT

- Air actuated valves & remote foot pedal. Provides a safety guarded design variable speed remote foot pedal and 8 feet of hose, all necessary hardware and installation instructions. For US and APT models only. (Not shown)
- Replaces lever actuated throttle
- For use on all US151 & CP351 series squeezers
- Aids in mounting of portable squeezers for bench or special applications
- All required hardware included
- Foot pedal can be moved for convenient use
- 6' cable included
- Tool not included



FCT-151

Part Number	For Use With
FCT-151	CP0351, US151
FCT-151AK	USI and APT only

- Replaces lever actuated throttle
- Air line connects directly to foot control throttle
- Includes easy-to-install backhead
- Tool not included
- 6' hose



FCT-114

Part Number	For Use With
FCT-151AK	USI and APT only

US151 AND CP351 POWER BOOSTER ASSEMBLY

- Increase power 6,000 to 12,000 lbs. force

Part Number	For Use With
US305	CP0351, US151 and APT



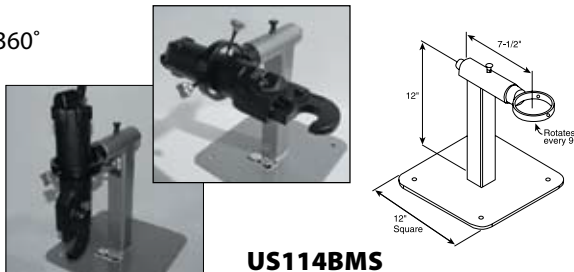
RIVET SQUEEZER FLOOR AND BRAKE STAND

- Fits alligator yoke CP0351A, APT and US151A
- Converts riveters to hands-free foot operation
- Simple, rugged design

Part Number	Includes	Height
151BS	Bench stand only (not shown)	10"
SRPS-151	Stand & foot guard	45"
US114BMS	Stand & FCT114	12"

Note: Please specify make and model number of riveter to be mounted.

- Rotates 360°



US114BMS



SRPS-151

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DIMPLE PUNCH & DIES (AN426)

- Use in pneumatic or hand squeezers

Example: For a .187" shank, 1/4" 'L' dim. punch with a 1/8" rivet size, use part number SMP211-4264.



Body Length	.187" Shank		.250" Shank		.312" Shank	
	Part No. Punch	Part No. Die	Part No. Punch	Part No. Die	Part No. Punch	Part No. Die
1/4"	SMP211	SMD211	SMP231	SMD231	SMP251	SMD251
3/8"	SMP212	SMD212	SMP232	SMD232	SMP252	SMD252
1/2"	SMP213	SMD213	SMP233	SMD233	SMP253	SMD253

Rivet Size	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"
Part Number	4262	4263	4264	4265	4266	4268

DIMPLE PUNCH & DIES FOR 100° SCREWS (AN509)

.187" Shank	
Part Number	Screw Size
5094	#6
5095	#8
5096	#10

.187" Shank	
Part Number	Screw Size
5098	1/4"
50910	5/16"

Example: For a 3/8" body 'L' punch with #6 screw, use part number SMP212-5094.

'SPRING BACK' DIMPLE DIE SETS

- Forms a perfect 100° dimple
- .187" shank



Rivet Size	3/32"	1/8"	5/32"	#6	#8	#10
Part Number	TPA4263SB	TPA4264SB	TPA4265SB	TPA5094SB	TPA5095SB	TPA5096SB

POP STYLE DIMPLE & DIE SET AN426

- Forms a perfect 100° dimple
- Includes extra mandrels for repeat work



Rivet Size	3/32"	1/8"
Part Number	TP635	TP636

DIMPLE PUNCH & DIE KITS

- .187" shank

Part Number	Description
TP4263K	6 pc. Dimple & Die Kit includes 3/32", 1/8" 5/32", (1/4" L) and plastic case
SMPD-24K	33 pc. kit includes 3/32"-3/16", 1/4", 3/8" & 1/2" body 'L' and plastic case
AT206A-24PC	24 pc. kit includes 3/32"-3/16", 1/4", 3/8" & 1/2" body 'L' and plastic case



TP4263K

AT206A-24PC Kit offers 12 pair of male and female dimple-die combinations, for rivet sizes 3/32", 1/8", 5/32" and 3/16". Each rivet set is furnished with body lengths of 1/4", 3/8" and 1/2". The 3/16" (.187) diameter shank adapts to standard hand and stationary rivet squeezers. The sturdy kit box is engraved to ensure FOD and tool control, size identification, and protection of the polished surfaces of the tools.

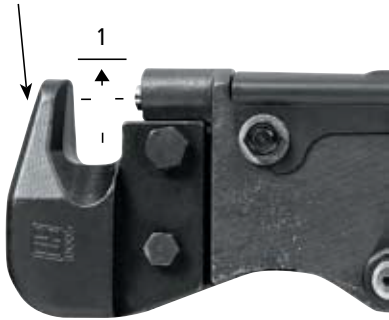
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U.S. INDUSTRIAL TRAILER SQUEEZERS

US151-1A-2F

C-Yoke solid design with hardened upper anvil, eliminating removable sets, provides faster spotting of rivet shank by operator.

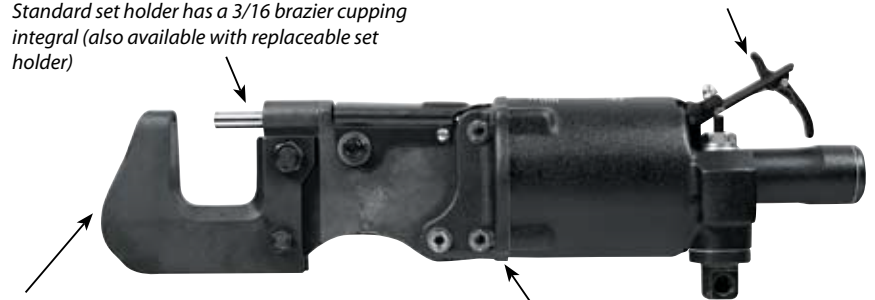


US151-1A-3M

Standard set holder has a 3/16 brazier cupping integral (also available with replaceable set holder)

Specially designed c-yokes with or without removable set holder holes capable of fitting most rails for trailer and box manufacturers

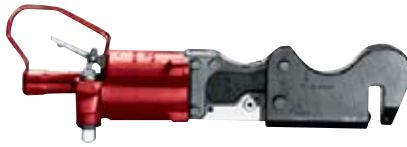
New ergonomic lever assembly 95508AS (not shown in photo; see diagram below)



Ruggedly built cylinder assembly capable of the most demanding applications

Part No.	Reach	Gap	Capacity (alum-steel)	Closed Yoke Height	Overall Length	Weight	Force
US151-1A-2F	1"	1	3/16" - 5/32"	.4375	17-1/2"	10.0 lbs.	6000
US151-1A-3M			3/16" - 5/32"	-	18-1/2"	11.0 lbs.	6000

U.S. INDUSTRIAL TRAILER SQUEEZERS



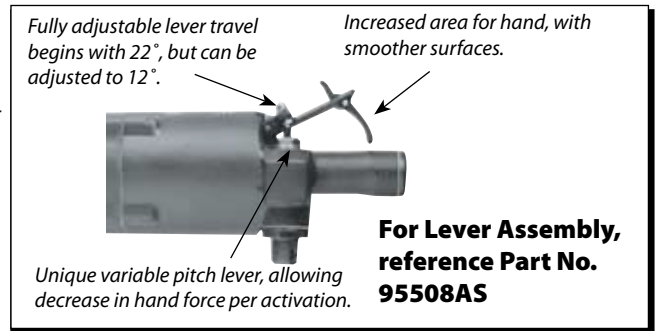
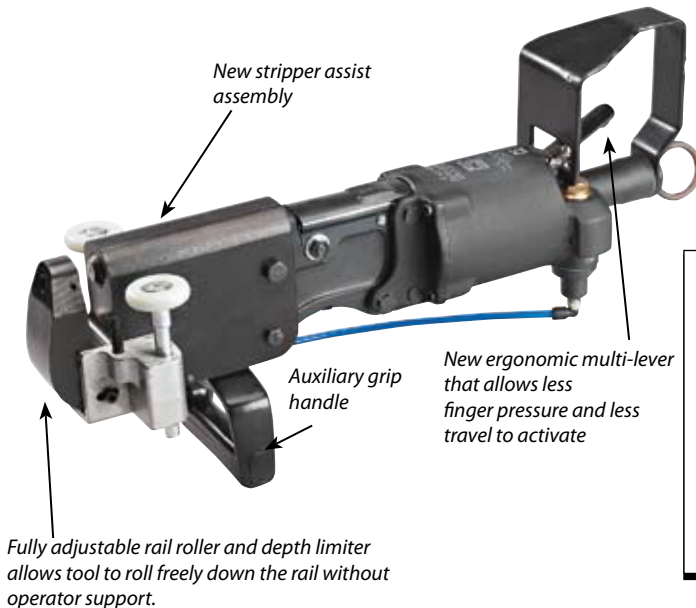
CP0351PU



US151PU

CHICAGO PNEUMATIC® & U.S. INDUSTRIAL PUNCHES

Part No.	Reach	Gap	Capacity (alum)	Max Hole Dia.	Length	Weight	Force
CP0351PU	1-7/8"	1/2	3/16"	5/16"	21-1/2"	20.5 lbs.	5400
US151PU	1-7/8"	1/2	3/16"	5/16"	21-1/2"	20.5 lbs.	5400
US151SPU	1-7/8"	1/2	.480	5/16"	21-1/2"	22.4 lbs.	5400



BENCH TOP HAND RIVETING & DIMPLING FIXTURE

- Heavy duty solid steel yoke design
- Includes .187 die holder and die extension to accept any standard dimple and die set or squeezer type rivet sets
- 19" throat reach x 4" gap
- 16 lbs.

Part No.	Gap	Reach
TP6150	4"	19"

TP6150



- Includes bench mounting brackets
- Includes air activated foot control with safety guard
- Features adjustable lower set holder
- Tandem cylinder
- Made in the USA by U.S. Industrial Tool
- .187" shank hole

US114TC-98



C-YOKE							
Part No.	Cap. Alum.	Cap. Steel	Reach	Gap	Force (lbs.)	Max. Travel	Weight (lbs.)
US114TCC-98	3/16"	1/4"	9"	3-1/2"	7700	9/16"	62
US114TCC-98G	3/16"	1/4"	10"	3-1/2"	7700	9/16"	70
3000CS-6	1/8"	3/32"	6"	3-1/2"	3000	9/16"	28
60C120B	3/16"	5/32"	12"	4"	6000	9/16"	175
60C180B	3/16"	5/32"	18"	4"	6000	9/16"	400
6000CS-6	3/16"	5/32"	18"	3-1/2"	6000	9/16"	29
Description							
C15000	Floor stand for above except 60C180B						
AATC15010	Floor stand for 601C80B						



AATC15000



3000CS-6

Note: Models 3000CS and 6000CS have return stroke adjustment.

ALLIGATOR JAW BENCH RIVETERS

Model 3000AS and Model 6000AS

This unique tool may be ideal for your special dedicated assembly requirements. It features a single cylinder, alligator type with our standard stroke adjustment. It is designed for foot control FC-2, and simple bench mounting. Assemblers hands are freed for easy workpiece manipulation. A large selection of standard squeezer tooling is readily available for small solid and semi-tubular rivets, eyelets, and many types of captive hardware.

ALLIGATOR YOKE .187" SHANK HOLE						
Part No.	Reach	Gap	Capacity (alum - steel)	Closed Yoke Height	Length	Force
3000AS-1-1/2	1-1/2"	1-5/8"	3/16" - 5/32"	7/8"	14"	4200
3000AS-2-1/4	2-1/4"	1-3/4"	1/8" - 3/32"	7/8"	14-3/4"	3000
3000AS-3	3"	2-1/8"	3/32" - 1/8"	7/8"	15-3/4"	2500
6000AS-1-1/2	1-1/2"	1-5/8"	7/32" - 3/16"	7/8"	16-3/4"	6500
6000AS-2-1/4	2-1/4"	1-3/4"	3/16" - 5/32"	7/8"	18-1/2"	5000
6000AS-3	3"	2-1/8"	5/32" - 9/64"	7/8"	18-1/2"	4000
6000AS-3-1/2	3-1/2"	2-1/8"	5/32" - 1/8"	7/8"	19"	3500



3000AS

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GENERAL PNEUMATIC

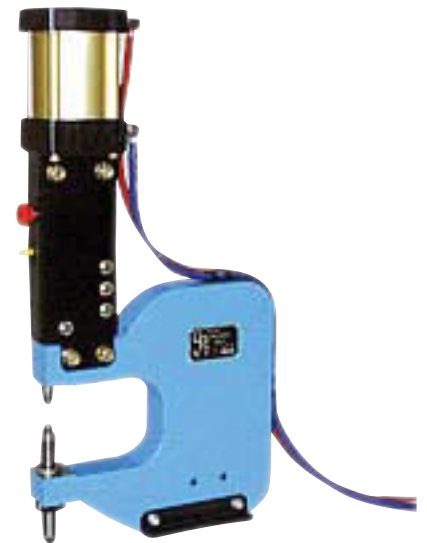
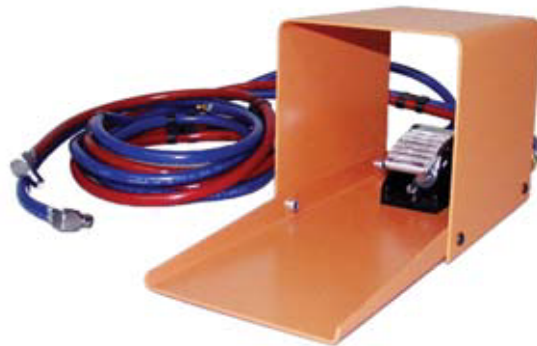
Model 8000CS

Model 8000CS is normally used where high power is required but not a large yoke. This tool is used for staking, swaging, punching, riveting or pressing in captive hardware. Although this is a hi-power tool, it can also be used for the lightest and most delicate work. As with all General Pneumatic Tools, a maximum power rating is specified. With proper adjustment any fraction of the maximum rating is at the operators command. This unit can be tooled for your specific needs. Shipped complete with our FC-4 foot control and guard, adjustable mandrel, plus all hoses and connectors.

Model 15 KCS

This is our largest, heaviest and most powerful machine. Despite the size and weight it offer the widest power range of any General Pneumatic Tool. The squeezing force, ranging from less than an ounce to seven and one-half tons is infinitely adjustable and under direct control of the operator. When properly tooled and adjusted it will render consistently accurate finished work. It is capable of meeting the most rigid specifications. This machine can be used for swaging, staking, hold punching, riveting and pressing in captive hardware. The 15 KCS can be fitted to any of our standard yokes. If your needs are special we will build a special tool to meet your requirements. Shipped complete with our FC-4 foot control and guard, adjustable mandrel, all hoses, fittings and connectors ready to go.

GENERAL PNEUMATIC						
Part No.	Reach	Gap	Capacity (alum - steel)	Closed Yoke Height	Length	Weight (lbs.)
8000CS	6"	5-1/8"	5/16" - 1/4"	2-3/8"	14-1/2"	135
8000CS6-8	6"	8-1/2"	5/16" - 1/4"	5-3/8"	14-1/2"	135
15KCS-6	6"	3"	3/8" - 5/16"	2-3/8"	14-1/2"	150
15KCS6-8	6"	8"	3/8" - 5/16"	5-3/8"	14-1/2"	155
FC-4	Replacement Guard and Valve					

**8000CS****FC4**

CSA - REMOVEABLE TOOLBAR SYSTEM

The CSA is the ideal tool for inserting PEM® style captive hardware, such as threaded inserts, studs, standoffs, floating nut plates, semi-tubular rivets.

The CSA system includes the standard accessories group including the flanger, standard and special tooling bars, tooling bar spacer, wrenches, squeezer sets, spacer shims, adjustable mandrel and other miscellaneous hardware items. Everything is useful in many ways to accommodate the nearly infinite number of special demands of the workpiece.

The CSA accepts standard squeezer tooling for rivets of all descriptions including semi-tubular and eyelets. The unique design of the CSA offers precise pressure settings and stroke control which guarantees first quality finished work. The CSA provides a smooth squeezing action necessary to generate proper cold metal flow. All hardware manufacturers emphasize the necessity for cold metal flow to assure proper retention of captive hardware and in most cases caution against attempting hardware installation with a hammer blow.

The CSA is shipped complete with foot control, hoses, connectors, standard accessories group, and is ready to operate.

Part No.	Reach	Gap	Capacity (alum - steel)	Closed Yoke Height	Length	Weight (lbs.)
8000CSA	9-1/2"	5"	5/16" - 1/4"	2-3/8"	29-3/8"	180
8000CSA	12-1/2"	5"	5/16" - 1/4"	2-3/8"	33-3/4"	220
8000CSA	24-1/2"	5"	5/16" - 1/4"	2-3/8"	78-1/4"	680
15KCSA	9-1/2"	5"	3/8" - 5/16"	2-3/8"	29-3/4"	183
15KCSA	12-1/2"	5"	3/8" - 5/16"		33-3/4"	226
15KCSA	24-1/2"	5"			78-1/4"	686
110,001	Floor stand with FRL for 9-1/2" or 12-1/2"					
A-KIT	PEM® Stand Off Kit					
B-KIT	PEM® Stand Off Kit for longer studs					

Note: 24" reach includes floor stand.



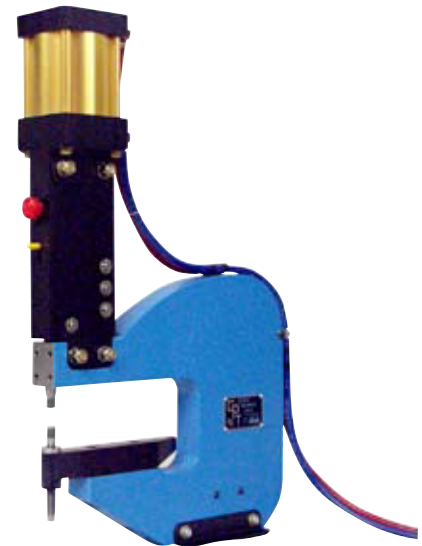
"A" TOOLING KIT



"B" TOOLING GROUP



STANDARD ACCESSORY GROUP



8000CSA-12-1/2



8000CSA-24

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U.S. INDUSTRIAL BRAKE RIVETERS

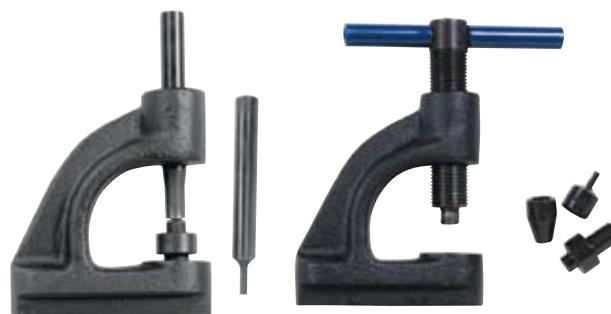
TP95

- Supplied with rivet removal punch, anvil and rivet set for 1/8" rivets

TP950

- Same as TP95 just with "T" handle

Part No.	Description
TP95	Hammer or Press style
TP950	"T" Handle for compression control



TP95

TP950

U.S. INDUSTRIAL FLOOR RIVETING MACHINE

These tools are manufactured in strict accordance with Goodyear/Loral™ standards

- US150BR-8 – 235 lbs.
- US150BR-12 – 275 lbs.
- US150BRS – 10" ID with 17" OD
- CE certified (requires machine to be factory installed with US13046MPB Two Stage, Hi-Low Pressure system)
- Machines shipped freight collect

For optimal machine safety, specify with two stage, pinch point protection, at additional cost.



Part No.	Description
US150BR-8	8" reach, 4" gap, 48" working height
US150BR-12	12" reach, 4" gap, 52" working height
US150BRS	Horseshoe workbed only, can easily be installed on any US150 riveter

Part No.
114-13-1
114-151-1
5T1-25092
5T1-25286
5T1-25287
5T1-25309
5T1-25310
5T1-25311
5T1-25355
5T1-25453
5T1-25455
5T1-25460
5T1-25465-1

Part No.
5T1-25465-2
5T1-25775
5T1-25807
5T1-25855
5T1-26037
5T1-26123
5T1-26150
5T1-26206
5T1-26245
5T1-70948
5T1-71785
5T2-10066
5T2-10067

Part No.
5T2-10068
5T2-10073
5T2-10080
5T2-10157
5T2-10431
5T2-5994
5T1-1/4 Deriveting Punch
5T1 Deriveting Anvil

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U.S. INDUSTRIAL COMPRESSION RIVETERS

A new stationary pneumatic compression riveter providing high volume riveting and dimpling. This one-man pedestal riveter is capable of exceptional accuracy and has the capacity to cold squeeze 3/8" solid stainless steel rivets with 16,000 lbs. of force. Our machine is designed to allow the user to vary the machine speed with foot touch control. The user can bring sets down to work surface at any speed adjustment with no loss of power. Standard equipment includes air actuated foot control, and filter-regulator-lubricator combo. Made in the USA by U.S. Industrial Tool.

OPTION: US14032 - As the operator depresses the foot pedal providing a momentary signal (press and release), the set holder will move forward and upon full stroke complete the rivet upsetting and automatically retract to start position, awaiting an operator follow-up signal. Shipped freight collect.

Also available with a two stage Hi-low pressure system. Providing operator pinch point protection for CE certification.

TWO STAGE HI-LOW PRESSURE System

Part No: US13046MPB

- CE certified (requires system to be factory installed)

Featuring: Variable foot control for improved operator control is provided at no extra charge.



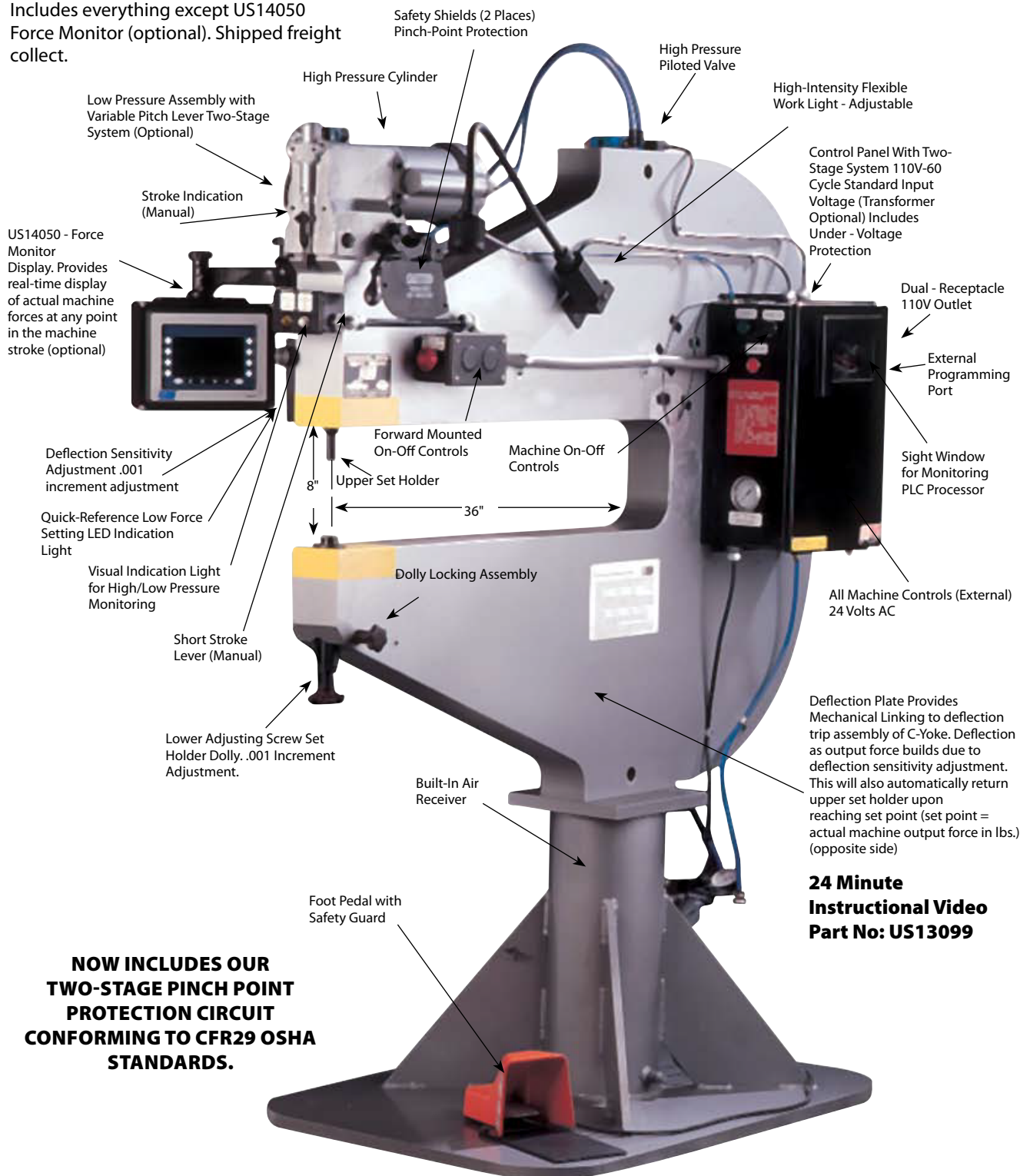
US150

USI 150							
Part No.	Reach	Gap	Solid S/S	Stroke	Height	Shank	Weight
US150-8	8"	4"	3/8"	1-3/8"	48"	.312	190
US150-12	12"	4"	3/8"	1-3/8"	52"	.312	230
US150-24	24"	5"	3/8"	1-3/8"	57"	.312	475
US150-36	36"	8-1/2"	3/8"	1-3/8"	78"	.375	1800

U.S. INDUSTRIAL COLD RIVETER

- CE certified
- 3200 lbs.

Includes everything except US14050 Force Monitor (optional). Shipped freight collect.



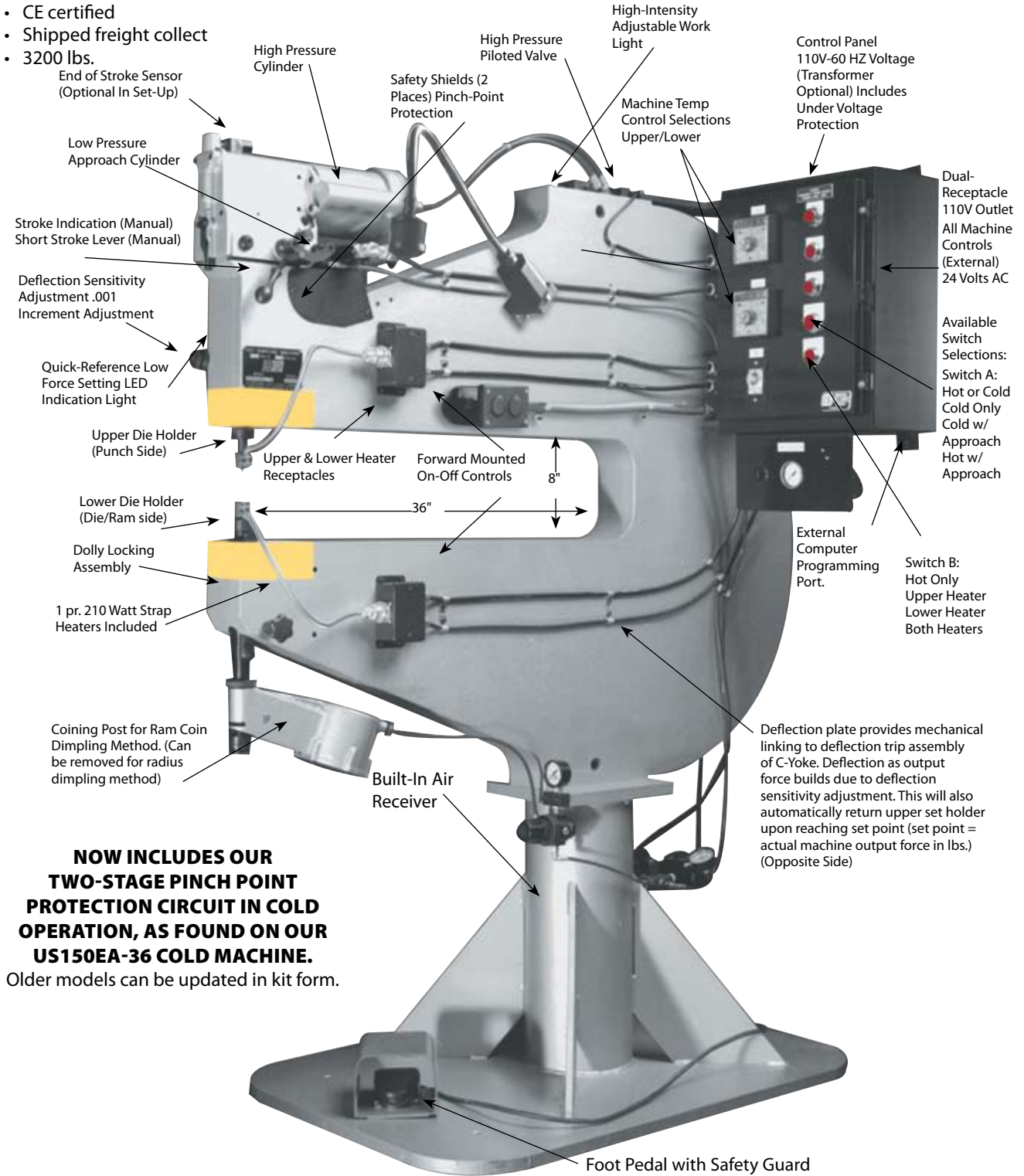
NOW INCLUDES OUR TWO-STAGE PINCH POINT PROTECTION CIRCUIT CONFORMING TO CFR29 OSHA STANDARDS.

Part No.	Cold Rivet Capacity		Max. Force (lbs)	Max. Set Holder	Part of Stroke at	Voltage (Input)
US150EA-36 Cold	Alum	Steel	With 90 lbs. air pressure	Travel (Inches) 1-3/4"	Max. force 1-3/4" Final 3/16"	110V-AC 60HZ
	1/2"	3/8"	24,000 lbs.			

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- CE certified
- Shipped freight collect
- 3200 lbs.



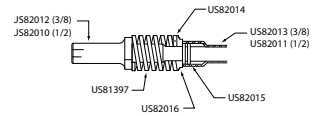
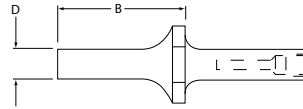
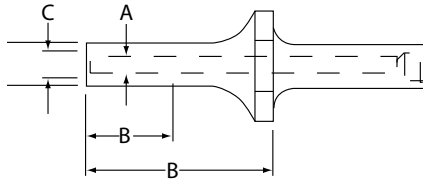
NOW INCLUDES OUR TWO-STAGE PINCH POINT PROTECTION CIRCUIT IN COLD OPERATION, AS FOUND ON OUR US150EA-36 COLD MACHINE.
Older models can be updated in kit form.

Tool No.	Heat Controlers Temp. Range	Dwell Timer Range	Set Holder Plunger Stroke			Voltage (Input)
			Max. force (lbs) at 90 PSI	Max Set Holder Travel (inches)	Part of stroke at max force	
US150EA 36 Hot	0°-800°	0-30 sec.	24,000 lbs.	1-3/4"	Final 3/16"	110V-AC 60 HZ

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DIMPLER AND RIVETER ACCESSORIES



U.S. INDUSTRIAL RIVET SET ADAPTERS

Part No.	Type	A	B	C	D	E
US81392	CR-1	3/16"	7/8"	9/32"	7/16"	1-7/8"
US81393	CR-2	1/4"	7/8"	3/8"	9/16"	1-7/8"
US82189	CR-3	5/16"	1-1/8"	7/16"	21/32"	1-7/8"
US82190	CR-4	3/8"	1-1/4"	1/2"	3/4"	1-7/8"
US85030	CR-1	3/16"	7/8"	9/32"	9/16"	4-1/8"
US85031	CR-2	1/4"	7/8"	3/8"	9/16"	4-1/8"
US85032	CR-3	5/16"	1-1/8"	7/16"	3/4"	4-1/8"
US85033	CR-4	3/8"	1-1/4"	1/2"	3/4"	4-1/8"

U.S. INDUSTRIAL FLUSH SETS

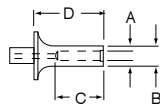
Part No.	A	B
US81391	23/64"	2-1/4"
US81390	31/64"	2-1/4"
US81389	39/64"	2-1/4"
US85110	23/64"	3-1/2"
US85111	31/64"	3-1/2"
US85112	39/64"	3-1/2"

U.S. INDUSTRIAL PRESSURE PAD DOLLIES

Part No.	Description
US78692	Assembly complete 1/2" Pressure Pad Dolly
US78691	Assembly complete 3/8" Pressure Pad Dolly

U.S. INDUSTRIAL COINING POST ADAPTERS

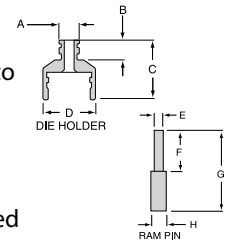
- Allows you to remove coining post die tooling and adapt coin in post for Cold Riveting without having to replace coining post with conventional adjusting screw assembly.



Part No.	DIMENSION SIZE			
	A	B	C	D
SM153-375-2	0.375	3/4	1-3/8	1-3/4
SM153-312-2	0.312	5/8	1-3/8	1-3/4
SM153-375-1	0.312	5/8	1-3/8	1-3/4
SM153-250-2	0.250	5/8	3/4	1-3/4
SM153-250-1	0.250	5/8	3/4	7/16
SM153-187-2	0.187	1/2	3/4	1 3/4
SM153-187-1	0.187	1/2	3/4	7/16

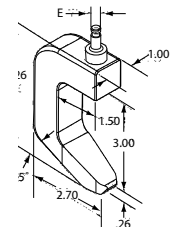
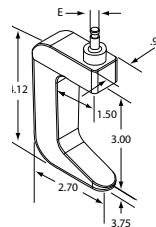
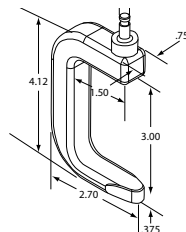
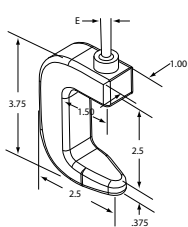
U.S. INDUSTRIAL COINING POST ASSEMBLY DIE TOOLING

- For use on lower side - coining post to accept die and ram assembly for Hot Dimpling
- Available in different heights and diameters (Ref: Dim. A.)
- Die holder and pin must be purchased together



Part No.	DIMENSION SIZE			
	A	B	C	D
US89730 (Std. Shaft)	0.499	0.500	1.500	1.310
US89730-1 (Ext. Shaft)	0.499	1.590	2.590	1.310
US89730-JUMBO (Jumbo)	0.875	0.875	2.000	1.312

Part No.	DIMENSION SIZE			
	E	F	G	H
US89729 (Std. Shaft)	0.248	1.200	0.2400	0.437
US89729-1 (Ext. Shaft)	0.248	2.290	0.3490	0.437
US89729-JUMBO (Jumbo)	0.248	1.700	0.2900	0.437



U.S. INDUSTRIAL OFFSET RIVET SETS

Part No.	A
SMOFA1	3/16"
SMOFA2	1/4"
SMOFA3	15/16"
SMOFA4	3/8"

U.S. INDUSTRIAL OFFSET RIVET SETS

Part No.	A
SMOFB1	3/16"
SMOFB2	1/4"
SMOFB3	15/16"
SMOFB4	3/8"

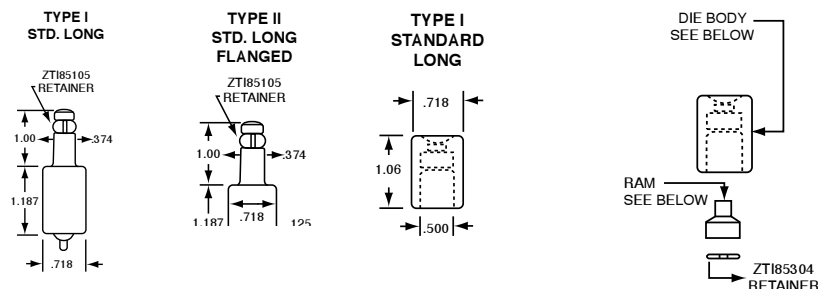
U.S. INDUSTRIAL OFFSET RIVET SETS

Part No.	A
SMOFC1	3/16"
SMOFC2	1/4"
SMOFC3	15/16"
SMOFC4	3/8"

U.S. INDUSTRIAL OFFSET RIVET SETS

Part No.	A
SMOFD1	3/16"
SMOFD2	1/4"
SMOFD3	15/16"
SMOFD4	3/8"

COIN DIMPLE PUNCH ASSEMBLIES FOR HOT & COLD DIMPLING



Fastener	Size	Parts in Die Assembly				
		Type 1	Type 2	Die Assembly	Die Body	Ram
AN426 Rivet (100°)	3/32	ZT1855-3/32		ZT1853-1/32	ZT185301-3/32	ZT185302-3/32
	1/8	ZT1855-1/8		ZT1853-1/8	ZT185301-1/8	ZT185302-1/8
	5/32	ZT185-5/32		ZT1853-5/32	ZT18501-5/32	ZT185302-5/32
	3/16	ZT1855-3/16		ZT1853-3/16	ZT18501-3/16	ZT185302-5/16
See note #1	1/4		ZT1855-1/4	ZT1853-1/4	ZT18501-1/4	ZT185302-1/8
AN & NAS Screw 100°	#6	ZT1865-#6		ZT1863-#6	ZT186301-#6	ZT186302-#6
	#8	ZT1865-#8		ZT1863-#8	ZT186301-#8	ZT186302-#8
	#10	ZT1865-#10		ZT1863-#10	ZT186301-#10	ZT186302-#10
	#1/4-28		ZT1867-#1/4-28	ZT1863-#1/4-28	ZT186301-#1/4-28	ZT186302-#1/4
See note #1	#3/16-24 ⑤		ZT186-#3/15-24	ZT1863-#3/16-24	ZT186301-3/16-24	ZT179402-1
HS47 Hi-Shear Rivet (100°)	3/16	ZT1875-3/16		ZT1873-3/16	ZT187301-3/16	ZT187302-3/16
	1/4	ZT1875-1/4		ZT1873-1/4	ZT187301-1/4	ZT187302-1/4
	See note #1	5/16		ZT1875-5/16	ZT1873-5/16	ZT187302-5/16
AN & NAS Screw (100°) High Stress Drill-Out Type	#8	ZT1867-#8		ZT1868-#8	ZT186301-#8	ZT186802-#8
	#10	ZT1867-#10		ZT1868-#10	ZT186301-#10	ZT186802-#10
	#1/4-28		ZT1867-#1/4-28	ZT1868-#1/4-28	ZT186301-#1/4-28	ZT186802-#1/4-28
	See note #2	#3/16-24		ZT1867-#3/16-24	ZT1860-#3/16-24	ZT186001-#3/16-24
HS47 Hi-Shear Rivet (100°)	1/8	ZT1877-1/8		ZT1878-1/8	ZT187801-1/8	ZT175202-1/8
	3/32	ZT1877-3/32		ZT1878-3/32	ZT187801-3/32	ZT185302-1/8
	3/16	ZT1877-3/16		ZT1878-3/16	ZT187801-1/16	ZT187802-3/16
	1/4	ZT1877-1/4		ZT1878-1/4	ZT187801-1/4	ZT187802-1/4
	See note #2	5/16		ZT1877-5/16	ZT1878-5/16	ZT187801-5/16
Blind Rivet (100°) (Huck, Cherry, DuPont) High Stress Drill-Out Type	1/8	ZT1751-1/8		ZT1752-1/8	ZT175201-1/8	ZT175202-1/8
	3/32	ZT1751-3/32		ZT1752-3/32	ZT175201-3/32	ZT175202-3/32
	See note #2	3/16		ZT1751-3/16	ZT1752-3/16	ZT175201-3/16
B.F. Goodrich Rivnut (100°) Drill-Out Type	#4	ZT1748-#4		ZT1747-#4	ZT186301-#6	ZT174902-#4
	#6		ZT1748-#6	ZT1747-#6	ZT174901-#6	ZT174902-#6
	#8		ZT1748-#8	ZT1747-#8	ZT174901-#8	ZT174902-#8
	#10		ZT1748-#10	ZT1747-#10	ZT174901-#10	ZT174902-#10
See note #2	1/4 ④		ZT1748-1/4"	ZT1747-1/4	ZT174901-1/4	ZT17490-1/4
Airloc Fastener w/o Grommet	3/4" (100°)		ZT1791-3/4	ZT1792-3/4	ZT179201-3/4	ZT179202-3/4
	1" (100°) ④		ZT1791-1	ZT1792-1	ZT179201-1	ZT179202-1
	See notes #1 and #3	1-3/8" (128°)				
Airloc Fastener w/Grommet	1" (120°) ④		ZT1793-1	ZT1794-1	ZT17401-1	ZT179402-1
	See note #1	1-3/8" (128°)				
Camloc Fastener	CLC-457		ZT1723	ZT1724	ZT172401	ZT172402
	See note #1	4S10-1		ZT1717	ZT171701	ZT171702
DZUS Fastener Type F	F4 Spring ④		ZT1710	ZT1709	ZT170901	ZT171602
	F4 w/Grommet ④		ZT1715	ZT1716	ZT171601	ZT171602

1. For pilot drill and dimple type installation.
 2. For pilot drill, dimple and redrill type installation.
 3. Punches to Cowl fastener specification "AND 10076" made to customer installation requirements.

④ Flange diameter is increased from 1.06 to 1.22.
 ⑤ Flange diameter is increased from 1.06 to 1.31. Flange thickness increased to .25.
 6. Coin Dimple Punches ordered by fastener size, an D punch type, and not shown here, are made to special order.

COLD - HOT CONVERSION KITS

U.S. INDUSTRIAL HOT DIMPLER CONVERSION KIT

Part No: *US450SSCK

Update any older Chicago Pneumatic or Zephyr hot dimpler to latest value and P.L.C. Control Circuit Design. Features included can be found on our full page US150EAHOT-36 Display.

Shipped freight collect.

Basic kit includes:

- Complete electrical control panel with foot pedal
- Complete power head assembly set-up for two-stage circuit
- High pressure piloted valve.
- Hoses and hardware as required
- Installation instructions
- CE certified
- NEW!! Two-stage Hi-Low pinch point cold operation now included in hot panel operation circuit.



*Special Note: *The kit in itself covers the dimpling machine's main operating systems. You may require other parts not supplied in the kit, due to the condition of the existing machine.*

U.S. INDUSTRIAL COLD RIVETER CONVERSION KIT

Part No: *US450CKEAB

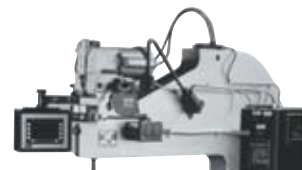
Update any older style Chicago Pneumatic or Zephyr & (EA) Cold type riveter to our latest valve and P.L.C. Control Circuit Design. Included is our Two-Stage HI/Low Pressure System. Features included can be found on our full page US150EACOLD-36 display.

Shipped freight collect.

Basic kit includes:

- Complete electrical control panel with foot pedal
- Complete power head assembly set-up for two-stage circuit
- High pressure piloted valve
- Hoses and hardware as required
- Instructions
- CE certified

*Special Note: *The kit itself covers the riveting machines main operating systems you may require other parts not supplied in the kit due to the condition of the existing machine.*



COLD - HOT CONVERSION KITS

HAND HELD TRANSIENT FORCE RECORDER

{Includes recorder and one compression load cell (specify size)}

Part No: US13095

Available Load Cells:

- USCLC-500 - Compression Load cell - 500 lbs. maximum capacity (for EA type Two-Stage Cold Machines)
- USCLC-15000 - Compression Load Cell - 15,000 lbs. max. capacity (for portable rivet squeezers)
- USCLC-30000 - Compression Load Cell - 30,000 lbs. max. capacity (For all stationary type riveting machines)



Our transient force recorder and compression load cells have been designed for U.S. Industrial Tool for the expressed intent to be used on rivet squeezing tools. The portability of the recorder allows shop floor use in even the worst environments. The data is supplied in "real time" on 3 x 5 LCD display. A necessary tool for calibration of all two-stage cold riveting circuits. Or to provide set-up conformation for your portable squeezers. (For more information ask for our complete product bulletin).

TEMPERATURE METER

Part No: SM805TM

This meter is used to verify that heater temperature is accurate to the heat controller setting.



STRAP HEATERS & END PLATE CONTROL UPGRADE

STRAIGHT TYPE PART NO.	OFFSET TYPE PART NO.	CONNECTOR TYPE
US2881-B15 Heater Assembly - 210 Watt	US2880-B15 Heater Assembly -210 Watt	CANNON
US2881-22 Heater Element Only - 210 Watt	US2881-22 Heater Element Only - 210 Watt	-
US1982-B15 Heater Assembly - 350 Watt	-	CANNON
US1982-B22 Heater Element Only - 350 Watt	US1982-B22 Heater Element Only - 350 Watt	-
US28810- B150 Heater Element Only - 210 Watt	US28800- B150 Heater Element Only - 210 Watt	MIL-C-26482



Part No.	Description
CP450-AirCon	Cylinder plate and foot control

- Better control forward & reverse



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