

FASTENING SYSTEMS FOR AEROSPACE

TOOL CATALOG



CHERRY®
AEROSPACE

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YOUR ADVANTAGE

For over 60 years, our tools have been specified and used by aircraft manufacturers and repair facilities throughout the world. Each fastening system is combined with a full range of tools to provide an overall systems approach that ensures optimum compatibility and consistent installation performance.

Used worldwide, our tools are CE Certified and manuals are currently available in multi-language versions. With our large global sales force, we can provide fastener and tool training at customer locations, training centers, etc. Our technical services department is available at 714-545-5511 to solve problems and answer technical questions from shop floor users, engineers and distributors.

HOW TO USE THIS CATALOG

Sections 1 – 4 of this catalog provide detailed descriptions, specifications and fastening capabilities for a variety of tools from Cherry Aerospace. Most Cherry tools are capable of installing several types of fasteners in at least three different diameters. So, keep in mind that Cherry tools and pulling heads can be combined to install a great variety of fastening systems and diameters.

For quick reference information, please refer to Section 6 starting on page 28. Cross-reference guides allow easy selection of the appropriate tooling for each fastener product. If you already know which tool you need, simply go to the appropriate tool page in sections 1-4.

TO INSTALL:

USE TOOL:

CherryMAX® type blind rivets . . .	G747, G704B, G746A, G800, G27, G83, G84, G744*
SST® blind rivets	G747, G704B, G746A, G800, G27, G83, G84
CherryMAX® ‘AB’ type blind rivets	G747, G704B, G746A, G800, G27, G83, G84
CherryLOCK® rivets	G700, G784, G689, G686B-S, G695B
CherryLOCK® ‘A’ rivets	G746A, G704B, G747, G800, G30
MBC® and MBC® lock creator rivets	G746A, G704B, G747, G800
MS type blind rivets	G704B, G746A, G747, G784, G689, G686B-S, G29
Nut-plate blind rivets	G747, G704B, G29, G746A, G702A, G902, G902-15
Maxibolt™ blind bolts	G83, G84, G84-LS, G87D, G800, G85D-S, G744*
Lockbolts	G83, G84, G84-LS, G87D, G85D-S

* Special order product.

REAL PERFORMANCE

Ergonomics is a leading issue in employee health. The design of installation tools from Cherry® Aerospace go beyond simplistic labels. They offer real alternatives to heavy and/or bulky tools, providing safe and effective performance. Robust construction ensures long life in demanding manufacturing and repair environments.

Extended length, right angle and offset pulling heads plus extensions for pulling heads are available to ease installation with difficult access. Split riveters, which separate the heavy-duty power unit from the tool head, utilize long hoses to allow installations with difficult access areas.

Replaceable inserts help reduce costs when installing locked collar products with profiled inserts. Simple air removal (bleeding) makes routine maintenance an easy task.

Cherry® installation tools provide the performance and benefits you need, retaining the value of your investment for years to come.



offset pulling head



split riveter

Ergonomic Tool Selection Guide

Fasteners installed	Tool	Page No.
Nutplate rivets	G902 G902-15	5
NAS9301-9312 CherryMAX® rivets (1/8", 5/32" and 3/16")	G747	10
CherryMAX® rivets (1/4")	G83	17
NAS1398/1399 "A" and "AB" code rivets	G746A	10
NAS1398/1399 "—" (3/32" and 1/8")	G700	14
NAS1414 through 1562 lockbolts (1/8", 5/32", and 3/16")	G83	17

Split Riveters

Fasteners installed	Tool	Page No.
NAS9301-9312 CherryMAX® rivets NAS1398/1399 "A" and "AB" code rivets	G704B-SR & G704B-40SH	8
NAS1398/1399/1738/1739 ("—" code) rivets	G686B-S	16
CherryMAX® 1/4" diameter rivets	G84-LS	19

Medium-Weight Tools

Fasteners installed	Tool	Page No.
NAS1398/1399/1738/1739 ("—" code) rivets	G784	15
NASM21140/21141/90353/90354 single action blind bolts	G84	18

Heavy-Weight Tools

Fasteners installed	Tool	Page No.
NASM21140/21141/90353/90354 lockbolts including -12 dia. aluminum	G87D	21

G702A Lightweight Nut-Plate Power Tool

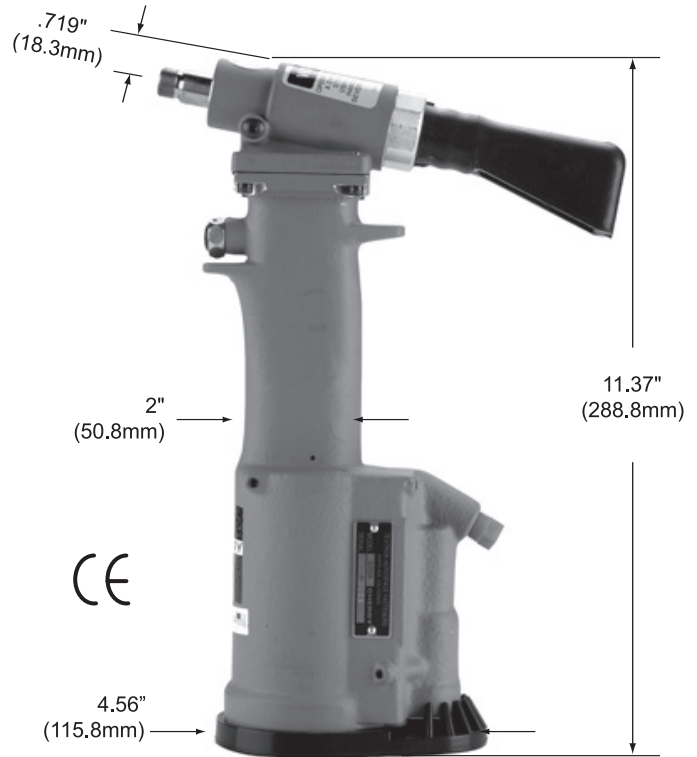
DESCRIPTION

The G702A power tool is a pneumatic-hydraulic tool designed specifically for installation of nut-plate rivets. Its durable, all metal housing makes this extremely robust tool ideal for use in rugged shop environments.

The tool has many **ergonomic features**: very light weight, comfortable fit in the operator's hand and operation from any position with one hand. The H702-3NPR pulling head fits directly on the G702A tool to install -3, -4, 2.5mm and 3mm nut-plate rivets. See the section on pulling heads for installation instructions and nosetip selection.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	.75 inch (19.05 mm)
Pulling Force	1100 lbs (4.9 kN) @ 90 PSI (6.2 bar)
Cycle Time	Approximately one second
Weight	3.5 lbs (1.59 kg)
Noise Level	71 dB (A)
Vibration	Less than 2.5 m/s ²
Air Consumption	.09 SCF/cycle (1.87 L/cycle)

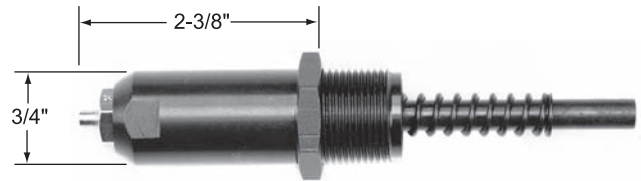


G702A PULLING HEAD

Pulling heads are not furnished with riveter and must be ordered separately.

H702A-3NPR PULLING HEAD

The H702A-3NPR pulling head fits directly on the G702A power riveter. It comes equipped with a 728A9-3 nosetip for installing 3/32" rivets and a 728A9-104 nosetip for installing 1/8" rivets.



Pulling Head	Rivet	Rivet Diameters	Type	Insert*	Maximum Grip
H702-3NPR	Nut-Plate	3/32	Straight	728A9-3	-12
		2.5 mm			
		1/8		728A9-104	
		3.0mm			
H702-3NPR	SPR®	3/32	Straight	728A9-3	All

* Both inserts included with pulling head.

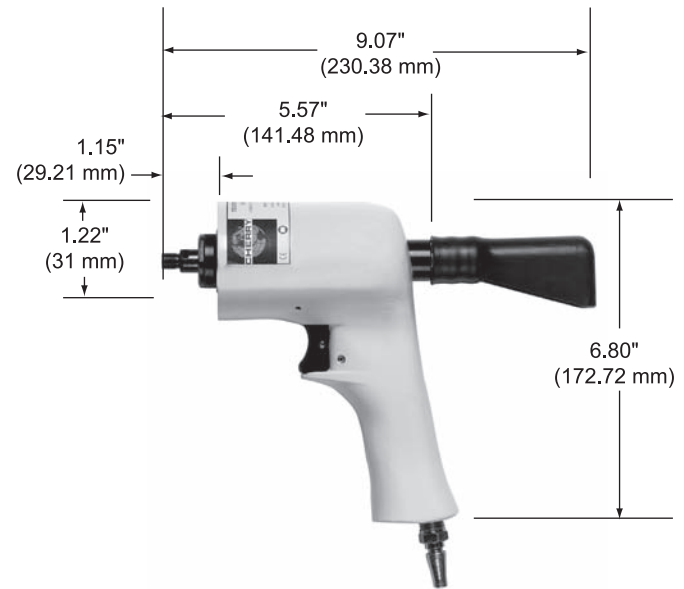
G902/902-15 Lightweight Nut-Plate Power Tool

DESCRIPTION

The G902 feed-through/G902-15 side-eject, all-pneumatic, lightweight tools are designed specifically for installation of nut plate rivets. Its durable, all metal housing makes this tool ideal for use in rugged shop environments. This tool utilizes a straight pulling head which can install 3/32" and 1/8" pull through-type nut-plate rivets and 3/32" CherryLOCK® "A" rivets. Extensions are available for the G902 to allow the pulling heads to reach limited access areas. See the table below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./120 PSI (8.2 bar) max.
Stroke	.75 in. (19.05 mm)
Pulling Force	550 lbs (2.45 kn) @ 90 PSI (6.2 bar); 730 lbs @ 120 PSI
Cycle Time	Approximately one second
Weight	2 lbs (.91 kg)
Noise Level	60 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.05 SCF/Cycle (1.42 L/cycle)



G902 shown above.

Riveter Model	Pulling Head	Rivet	Rivet Diameters	Maximum Grip
G902	H902-3NPR	Nut-Plate SPR®	3/32", 2.5 mm, 3 mm 3/32"	-8 * -8 *
	H955-3	CherryLOCK® "A"	3/32"	-8 *
	H902-4NPR H701B-456	Nut-Plate	1/8"	-8 *
	H9015-3C	Nut-Plate SPR®	3/32", 2.5 mm, 3 mm 3/32"	-9 * -9 *
G902-15	H9055-3	CherryLOCK® "A"	3/32"	-9 *
	H9015-4C	Nut-Plate	1/8"	-9 *

* On the first stroke.

G704B Lightweight CherryMAX® Power Tool

National Stock Number: 5130-01-393-1584

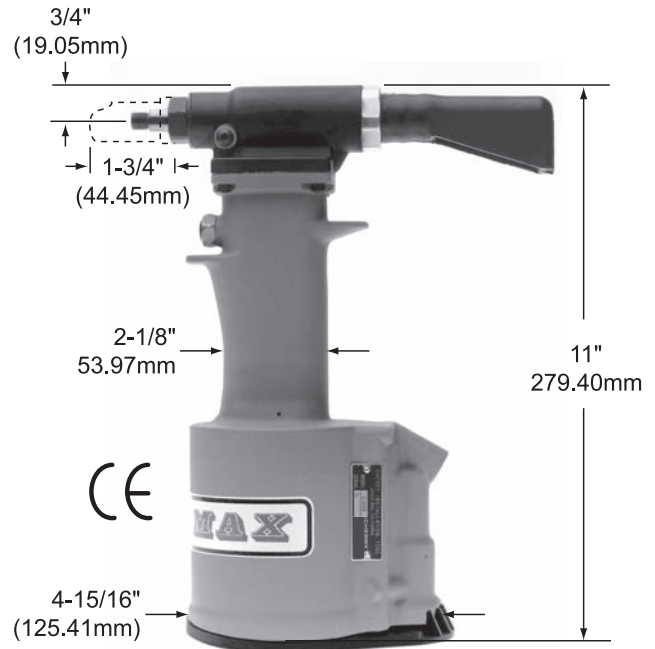
Military Part Number: M85188T2

DESCRIPTION

The CherryMAX® G704B is a pneumatic-hydraulic tool designed specifically for the most efficient installation of CherryMAX® rivets. Its durable, all metal housing makes this extremely robust tool ideal for use in rugged shop environments. This tool utilizes straight, offset and right-angle pulling heads, all of which can install -4, -5, and -6 diameter CherryMAX® bulb type rivets in all head styles, materials and grip lengths. Extensions are available for extending the pulling heads to reach limited access areas. Refer to the tables below for the correct pulling head part number.

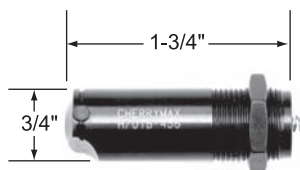
SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min. / 110 PSI (7.6 bar) max.
Stroke	.510 Inch (12.954 mm)
Pulling Force	3100 lbs (13.79 kn) @ 90 PSI (6.2 bar)
Cycle Time	Approximately one second
Weight	4 1/4 lbs (1.93 kg)
Noise Level	71 dB (A)
Vibration	Less than 2.5 m/s ²
Air Consumption	.16 SCF/cycle (4.53 L/cycle)

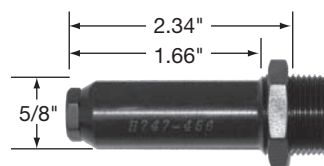


G704B PULLING HEADS

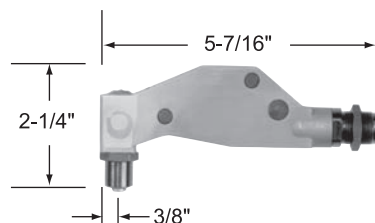
Pulling heads are not furnished with riveter and must be ordered separately.



H701B-456 Straight
NSN5130-01-393-2927
Military Part Number M85188S1



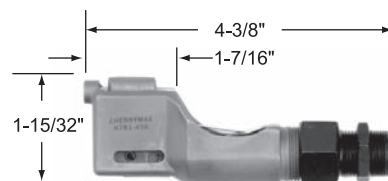
H747-456 STRAIGHT



H753A-456 RIGHT ANGLE
NSN5130-01-393-2926
Military Part Number M85188S2



H782 OFFSET



H781-456 OFFSET
NSN5130-01-393-2925
Military Part Number M85188S3

G704B PULLING HEADS

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H747-456			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			MBC® L/C	1/8, 5/32, 3/16	-4 *
			SST®	1/8, 5/32, 3/16 **	All
H753A-456	Right Angle	—	CherryMAX®	1/8, 5/32, 3/16 **	All
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4
			SST®	1/8, 5/32, 3/16 **	All
H781-456	Offset	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H782			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	All
H9015 series	Straight	704A9	MS	3/32, 1/8, 5/32, 3/16	-4 *
H746A -4MBC, -5 MBC, -6MBC	Straight		Std. MBC®	1/8, 5/32, 3/16	-4 *
H955 -3, -4, -5, -6	Straight	—	CherryLOCK® 'A'	3/32, 1/8, 5/32, 3/16 †	-4 *

* May be double stroked for longer grips. ** Nominal and oversize.

† Will not install 3/16 dia. aluminum fastener. Pulls stainless steel and Monel only.

G704B-SR & G704B-40SH CherryMAX® Split Power Riveters

G704B-SR: National Stock No. 5130-01-237-0488

DESCRIPTION

The CherryMAX® G704B-SR and G704B-40SH split riveters were designed specifically for the installation of CherryMAX® rivets in applications with extremely limited access. The tools transmit power from the power unit through a flexible hose to a small, lightweight head. By utilizing the proper pulling head, design problems and operator fatigue can be greatly reduced.

The SR model has a 3-foot hose and the 40SH model has an 8-foot hose.

Refer to the tables below for the correct pulling head part number.

SPECIFICATIONS

Weight	4.5 lbs. (power unit only)
Stroke	.518"
Pulling Capacity	3136 lbs. on 90 psi
Air Pressure	90-120 psi normal operating air pressure at inlet
Air Consumption	4 CFM of air at 20 cycles per min.
Noise Level	Does not exceed 85dB(A)
Pulling Heads	Straight, right angle, offset

G704B PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.



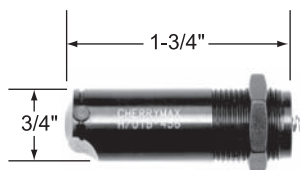
G704B-SR
with 3-foot hose



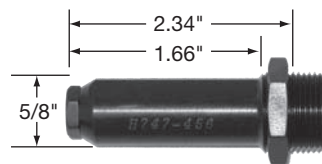
G704B-40SH
with 8-foot hose

G704B-SR & G704B-40SH PULLING HEADS

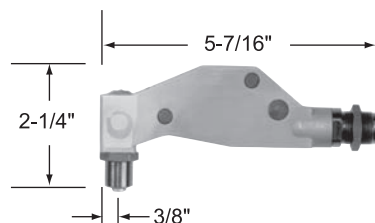
Pulling heads are not furnished with riveter and must be ordered separately.



H701B-456 Straight
NSN5130-01-393-2927
Military Part Number M85188S1



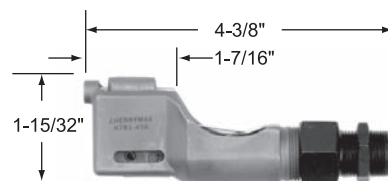
H747-456 STRAIGHT



H753A-456 RIGHT ANGLE
NSN5130-01-393-2926
Military Part Number M85188S2



H782 OFFSET



H781-456 OFFSET
NSN5130-01-393-2925
Military Part Number M85188S3

G704B-SR & G704B-40SH PULLING HEADS

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H747-456			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4*
			MBC® L/C	1/8, 5/32, 3/16	-4*
			SST®	1/8, 5/32, 3/16 **	All
H753A-456	Right Angle	—	CherryMAX®	1/8, 5/32, 3/16 **	All
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4
			SST®	1/8, 5/32, 3/16 **	All
H781-456	Offset	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H782			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4*
			SST®	1/8, 5/32, 3/16 **	All
H9015-3C, -4C, -5C, -6C	Straight	704A9	MS	3/32, 1/8, 5/32, 3/16	-4*
H746A-4MBC, -5 MBC, -6MBC	Straight	—	Std. MBC®	1/8, 5/32, 3/16	-4*
H955-3, -4, -5, -6	Straight	—	CherryLOCK® "A"	3/32, 1/8, 5/32, 3/16	-4*

* May be double stroked for longer grips. ** Nominal and oversize.

† Will not install 3/16 diameter aluminum. Installs 3/16 diameter stainless steel and monel only.

G746A CherryMAX® Power Riveter

National Stock Number: 5130-01-338-3403

DESCRIPTION

The G746A is a pneumatic-hydraulic tool designed specifically for the installation of CherryMAX® Bulb, CherryMAX® 'AB' wiredraw, and CherryLOCK® 'A' wiredraw rivets. The G746A utilizes the straight, offset and right-angle pulling heads. Refer to the table below to match the correct pulling head part number to the rivet to be installed.

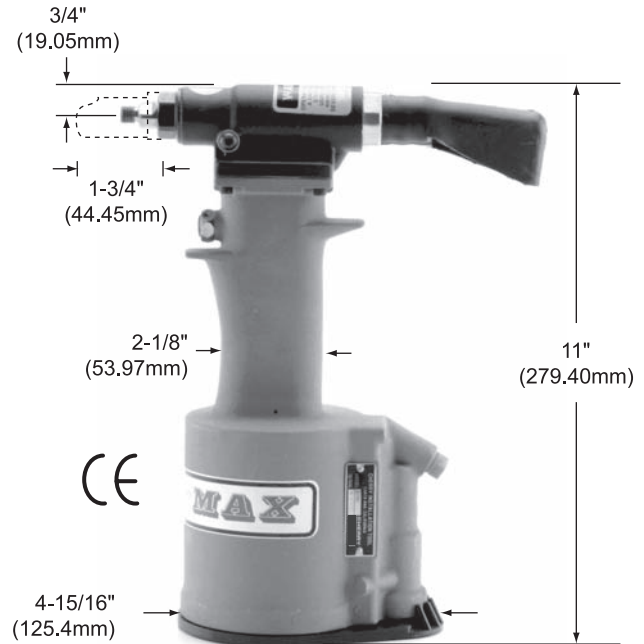
The G746A has a durable metal housing and so is extremely robust in a shop environment.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	.875 inch (22.23 mm)
Pulling Force	1850 lbs (8.23 kn) @ 90 PSI (6.2 bar)
Cycle Time	Approximately one second
Weight	4-1/4 lbs (1.93 kg)
Noise Level	72 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.25 SCF/cycle (7.08 L/cycle)

G746A PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.



G747 Lightweight CherryMAX® Power Tool

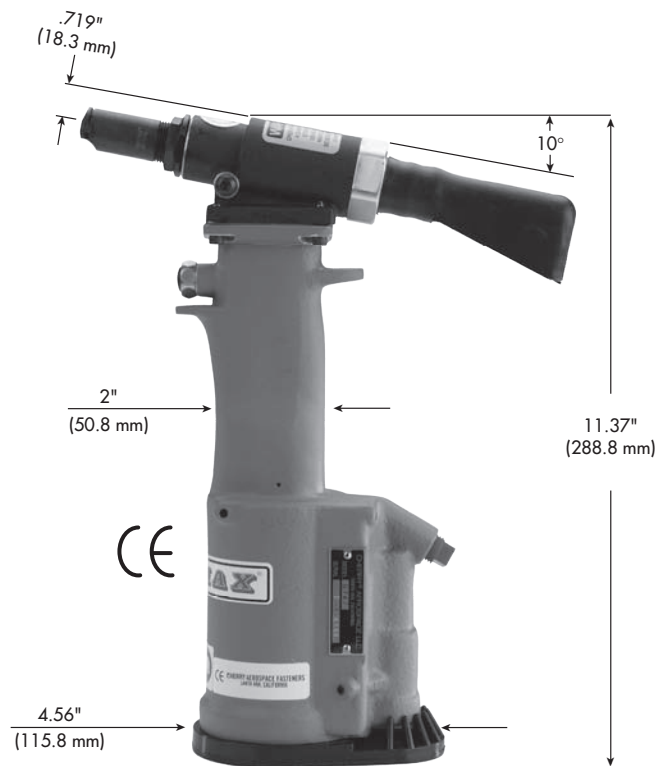
National Stock Number: 5130-01-044-7206

DESCRIPTION

The G747 is a pneumatic-hydraulic tool designed specifically for installation of CherryMAX® rivets and nut-plate rivets. Its durable, all metal housing makes this tool ideal for use in rugged shop environments. It has many ergonomic features: light weight, comfortable fit in the operators hand, and operation in any position with one hand. This tool utilizes straight, offset and right-angle pulling heads, all of which can install -4, -5, and -6 diameter CherryMAX® bulb type rivets in all head styles, materials and grip lengths. Extensions are available for extending the pulling heads to reach limited access areas. Refer to the tables below for the correct pulling head part number.

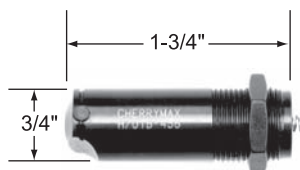
SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	.437 inch (11.1 mm)
Pulling Force	2100 lbs (9.34 kN) @ 90 PSI (6.2 bar)
Cycle Time	Approximately one second
Weight	3.5 lbs (1.59 kg)
Noise Level	71 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.09 SCF/cycle (2.55 L/cycle)

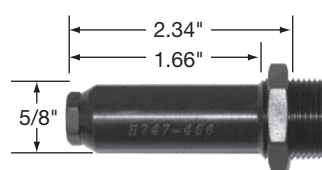


G746A & G747 PULLING HEADS

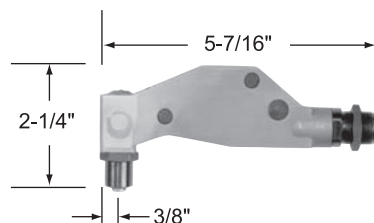
Pulling Heads are not furnished with riveter and must be ordered separately.



H701B-456 Straight
NSN5130-01-393-2927
Military Part Number M85188S1



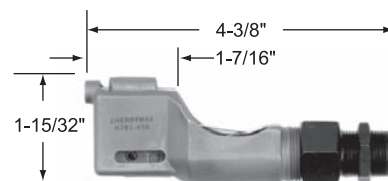
H747-456 STRAIGHT



H753A-456 RIGHT ANGLE
NSN5130-01-393-2926
Military Part Number M85188S2



H782 OFFSET



H781-456 OFFSET
NSN5130-01-393-2925
Military Part Number M85188S3

G746A PULLING HEADS

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H747-456			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-9 *
			MBC® L/C	1/8, 5/32, 3/16	-9 *
			SST®	1/8, 5/32, 3/16 **	All
H753A-456	Right Angle	—	CherryMAX®	1/8, 5/32, 3/16 **	All
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4
			SST®	1/8, 5/32, 3/16 **	All
H781-456	Offset	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H782			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	
H9015-3C, -4C, -5C, -6C	Straight	704A9	MS	3/32, 1/8, 5/32, 3/16	All
H955-3, -4, -5, -6	Straight	—	CherryLOCK® 'A'	3/32, 1/8, 5/32, 3/16	-9*
H746-4MBC, -5MBC, -6MBC	Straight	—	Std. MBC®	1/8, 5/32, 3/16	All

* May be double stroked for longer grips. ** Nominal and oversize.

† Will not install 3/16 dia. aluminum fastener. Pulls stainless steel and Monel only.

G747 PULLING HEADS

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H747-456			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	All
H747-3NPR	Straight	—	Nut-plate	3/32	-4 *
H753A-456	Right Angle	—	CherryMAX®	1/8, 5/32, 3/16 **	All
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4
			SST®	1/8, 5/32, 3/16 **	All
H781-456	Offset	—	CherryMAX®	1/8, 5/32, 3/16 **	All
H782			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	
H9015-3, -4, -5, -6	Straight	704A9	MS / Nutplate	3/32, 1/8, 5/32, 3/16	-4 *
H955-3, -4, -5, -6	Straight	—	CherryLOCK® 'A'	3/32, 1/8, 5/32, 3/16	-4 *
H746-4MBC, 5MBC, -6MBC	Straight	—	Std. MBC®	1/8, 5/32, 3/16	-4 *

* May be double stroked for longer grips. ** Nominal and oversize.

† Will not install 3/16 dia. aluminum fastener. Pulls stainless steel and Monel only.

G689 Hydro-Shift CherryLOCK® Riveter

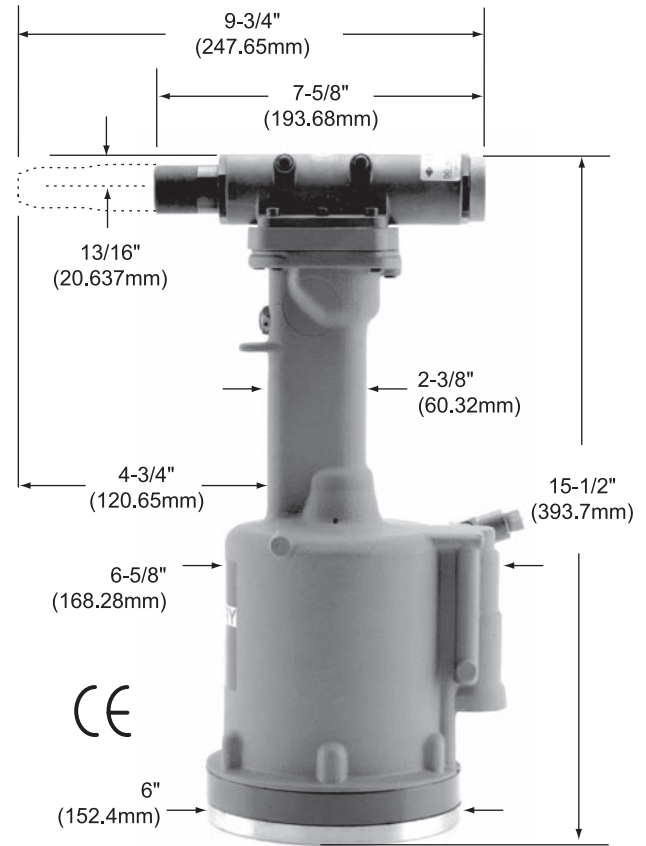
DESCRIPTION

The G689 hydro-shift riveter is a heavy duty, pneumatic-hydraulic tool designed specifically for the installation of all CherryLOCK® rivets; however, it is recommended primarily for 1/4" diameters. It can be used to install all diameters and lengths as indicated on the tool capacity charts. Its durable, all metal housing makes this tool very robust for use in a shop environment.

This extremely powerful tool has been designed with many **ergonomic features**: low recoil, low noise and a comfortable fit in the operator's hand. It can be operated in any position with one hand. The H681 Series pulling heads fit directly on this tool to install both bulbed and standard NAS Type 2000 Series CherryLOCK® rivets. With the proper adapters and pulling heads, this tool can install other types of rivets. Refer to the tables below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	1.475 inch (37.47 mm)
Pulling Force	3,800 lbs. (16.9 kN) @ 90 PSI (6.2 bar)
Weight	12.85 lbs. (5.90 kg)
Noise Level	74.1 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.50 SCF/cycle (14.2 L/cycle)



G689 PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.

Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-3C	-3	—	—	—	—	All	All
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	All	All	All	All	All	All
H681-6C	-6	All	All	All	All	All	All
H681-8C	-8	All	All	All	All	All	All

Bulbed CherryLOCK® Rivets (NAS1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel		Inconel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	All	All	All	All	All	All
H681-6C	-6	All	All	All	All	All	All

Other Pulling Heads for G689 Tool

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Max Grip
H9015	Straight	680B46	MS	3/32, 1/8, 5/32, 3/16	All
H9055	Straight	680B46	CherryLOCK® 'A'	3/32, 1/8, 5/32, 3/16	All
H9040	Straight	680B57	MS	1/8, 5/32, 3/16, 1/4	All
H781-456	Offset	680B205	CherryMAX®	1/8, 5/32, 3/16	All
H753A-456	Rt. Angle	680B205	CherryMAX®	1/8, 5/32, 3/16	All
H680B200A	Straight	—	CherryMAX®	1/8, 5/32, 3/16	All
H680B208	Straight	—	CherryMAX®	1/4	All

† Use H681-()S

* Use H681B166-()

¹ Use H681-()F

G695B Right Angle CherryLOCK® Riveter

National Stock Number: 5130-00-435-5689

DESCRIPTION

The G695B right angle riveter is a pneumatic-hydraulic tool designed specifically for installing CherryLOCK® rivets in limited-access areas. The power unit rests on the floor and is connected to the right angle head unit with 8 feet of flexible hose. It will install most CherryLOCK® rivets up to 1/4" grip length.

Refer to the tables below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 – 110 PSI
Stroke	.625"
Pulling Force	2000 lbs.
Weight	17 lbs.
Noise Level	74.1 dB(A)
Vibration	Less than 2.5 m/s ²
Air Consumption	.50 SCF/cycle (14.2 l/cycle)

G695B PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.

Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		CR2163	CR2162	CR2563	CR2562	CR2643	CR2642
		CR2263	CR2262			CR2653	CR2652
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H690-4C/U	-4	4	4	4	4	4	4
H690-5C/U	-5	4	4	4	4	4	4
H690-6C/U	-6	4	4	4	4	4	4
H690-8C/U	-8	4	4	–	–	–	–

C: countersunk head; U: universal head

Bulbed CherryLOCK® Rivets (NAS1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel	
		CR2239	CR2238	CR2539	CR2538
		CR2249	CR2248		
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H690-4C/U	-4	All	All	All	All
H690-5C/U	-5	All	All	All	All
H690-6C/U	-6	All	All	All	All



G700 Lightweight Hydro-Shift CherryLOCK® Riveter

DESCRIPTION

The G700 hydro-shift riveter is a pneumatic-hydraulic tool designed specifically for the most efficient installation of smaller CherryLOCK® rivets. It weighs only 5-3/4 lbs. and can be operated in any position with one hand.

Refer to the tables below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 – 110 psi
Stroke	.906"
Pulling Force	1220 lbs.
Weight	5.75
Noise Level	<69 dB(A)
Vibration	Less than 2.5m/s ²
Air Consumption	.25 SCF/Cycle (7.08 L/cycle)

G700 PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.

Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		CR2163 Univ. Head	CR2162 Ctsk. Head	CR2563 Univ. Head	CR2562 Ctsk. Head	CR2643 Univ. Head	CR2642 Ctsk. Head
H681-3C	-3	—	—	—	—	3*	3*
H681-4C	-4	4	4	4	4	4	4

Bulbed CherryLOCK® Rivets (NAS1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel	
		CR2239 Univ. Head	CR2238 Ctsk. Head	CR2539 Univ. Head	CR2538 Ctsk. Head
H681-4C	-4	All	All	All	All

*3/32" diameter available as CR2662-3 and CR2663-3 only



G784 Hydro-Shift CherryLOCK® Riveter

HYDRO-SHIFT CHERRYLOCK® RIVETER KIT

National Stock Number: 5130-00-935-4681

DESCRIPTION

The G784 Hydro-Shift Riveter is a pneumatic-hydraulic tool designed specifically for installation of CherryLOCK® rivets. Its durable, all metal housing makes this tool extremely robust for use in shop environment. It will install nearly all diameters of CherryLOCK® rivets up to a half-inch grip, “A” group only.

This powerful tool has been designed with many **ergonomic features**: lower weight, less recoil, low noise and a comfortable fit in the operator’s hand. It can be operated in any position with one hand.

With proper adapters and pulling heads this tool can be used to install other types of rivets. Refer to the tables below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	7/8 inch (22.2 mm)
Pulling Force	2,600 lbs. (11.57 kN) @ 90 PSI (6.2 bar),
Weight	8 lbs. (3.63 kg)
Noise Level	69.7 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.27 SCF/cycle (7.65 L/cycle)

G784 PULLING HEADS

Pulling Heads are not furnished with riveter and must be ordered separately.

Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-3C	-3	—	—	—	—	All	All
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	8	9	8	9	8	9
H681-6C	-6	8	9	8	9	8	9

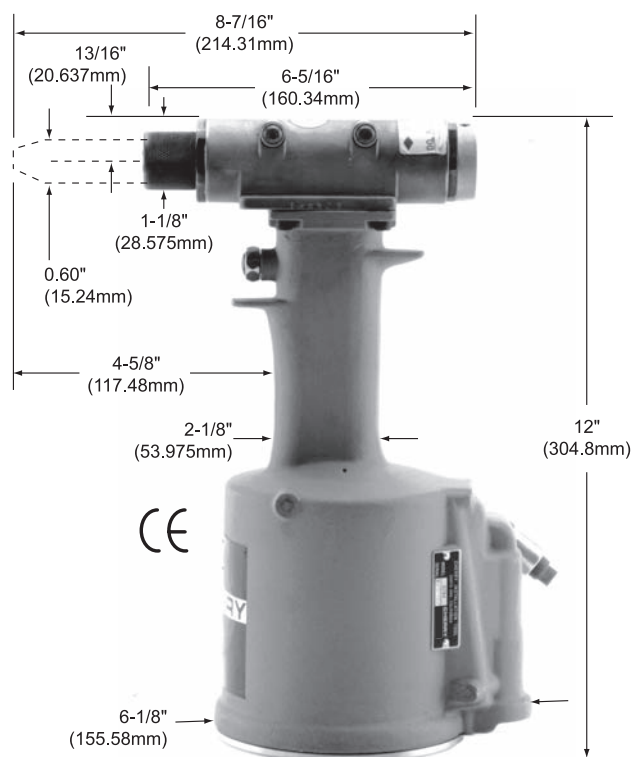
Bulbed CherryLOCK® Rivets (NAS1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel		Inconel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	All	All	All	All	All	All
H681-6C	-6	All	All	All	All	All	All

† Use H681-()S

* Use H681B166-()

† Use H681-()F



Other Pulling Heads for G784 Tool

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Max. Grip
H9055-3	Straight	680B46	CherryLOCK® ‘A’	3/32	All
H9055-4				1/8	8, 9*
H9055-5				5/32	8, 9*
H9055-6				3/16	8, 9*
H9015-3C	Straight	680B46	MS	3/32	All
H9015-4C				1/8	All
H9015-5C				5/32	All
H9015-6C				3/16	All
H9040-4C	Straight	680B57	MS	1/8	All
H9040-5C				5/32	All
H9040-6C				3/16	All
H680B200A	Straight		CherryMAX®	1/8, 5/32, 3/16	All
H781-456	Offset	680B205	CherryMAX®	1/8, 5/32, 3/16	All
H753A-456	Right Angle	680B205	CherryMAX®	1/8, 5/32, 3/16	All

*8 grip for protruding head, 9 grip for countersunk head.

G686B-S Split Hydro-Shift CherryLOCK® Riveter

National Stock Number:
NSN 3448-01-036-3402

DESCRIPTION

The G686B-S split hydro-shift riveter is a heavy duty pneumatic-hydraulic tool designed specifically for easy and fast installation of CherryLOCK® rivets. In use, the power unit rests on the floor and transmits its power through eight feet of hose to an **ergonomic**, lightweight pistol grip tool. This facilitates installation in many limited access areas and also greatly reduces operator fatigue. Its durable, all-metal housing makes this tool very robust in a shop environment.

G686B-S can be used to install all diameters and lengths of fasteners as indicated on the charts. The H681 Series pulling heads fit directly on this tool to install both bulbed and standard NAS type CherryLOCK® rivets. See the tables below for the correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	1-7/16 inch (36.5 mm)
Pulling Force	2,600 lbs. (11.57 kN) @ 90 PSI (6.2 bar)
Weight	Total: 17 lbs. (7.71 kg) Head Only: 5.0 lbs. (2.27 kg)
Noise Level	74.5 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.5 SCF/cycle (14.2 L/cycle)

G686B-S PULLING HEADS

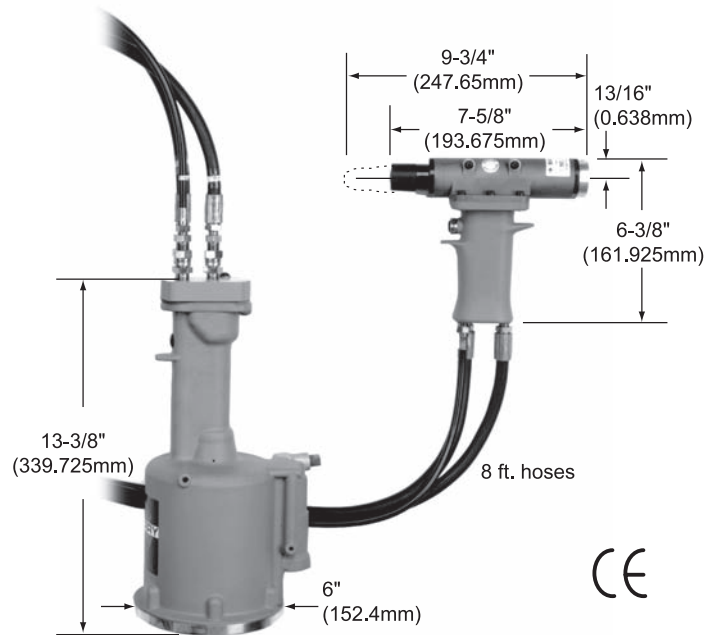
Pulling heads are not furnished with riveter and must be ordered separately.

Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-3C	-3	—	—	—	—	All	All
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	All	All	All	All	All	All
H681-6C	-6	All	All	All	All	All	All
H681-8C	-8	All	All	All	All	All	All

Bulbed CherryLOCK® Rivets (NAS1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel		Inconel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head
H681-4C	-4	All	All	All	All	All	All
H681-5C	-5	All	All	All	All	All	All
H681-6C	-6	All	All	All	All	All	All



Other Pulling Heads for G686B-S Tool

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Max Grip
H9055-3	Straight	680B46	CherryLOCK® 'A'	3/32	All
H9055-4				1/8	8, 9
H9055-5				5/32	8, 9
H9055-6				3/16	8, 9
H9015-3C	Straight	680B46	MS	3/32	All
H9015-4C				1/8	All
H9015-5C				5/32	All
H9015-6C				3/16	All
H9040-4C	Straight	680B57	MS	1/8	All
H9040-5C				5/32	All
H9040-6C				3/16	All
H680B200A	Straight	—	CherryMAX®	1/8, 5/32, 3/16	All
H781-456	Offset	680B205	CherryMAX®	1/8, 5/32, 3/16	All
H782					
H753A-456	Rt. Angle	680B205	CherryMAX®	1/8, 5/32, 3/16	All

*Use H681(-)S †Use H681B166(-) ‡Use H681(-)F

G83 Lightweight Lockbolt Power Tool

National Stock Number: 5130-01-435-3507

DESCRIPTION

The G83 pneumatic-hydraulic lockbolt installation tool is a heavy duty production tool designed for high speed, reliable installation of the most popular sizes of aircraft lockbolts. This extremely powerful tool has been designed with many **ergonomic features** including a light weight – 4.95 pounds (2.25 kg.) – less recoil, low noise, and a comfortable fit in the operator's hand. It can be operated in any position with one hand.

By bending the rubber pin deflector sideways, 1-1/2" additional clearance can be obtained. This tool can also be used to install blind bolts and blind rivets. Refer to the tables below for correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	7/16 inch (11.1 mm)
Pulling Force	3,750 lbs. (16.7 kN) @ 90 PSI (6.2 bar), 800 lbs. (3.56 kN) on return stroke
Cycle Time	Approximately one second
Weight	4.95 lbs. (2.25 kg)
Noise Level	78.4 dB (A)
Vibration	less than 2.5 M/S2
Air Consumption	.16 SCF/cycle (4.53 L/cycle)

G83 PULLING HEADS

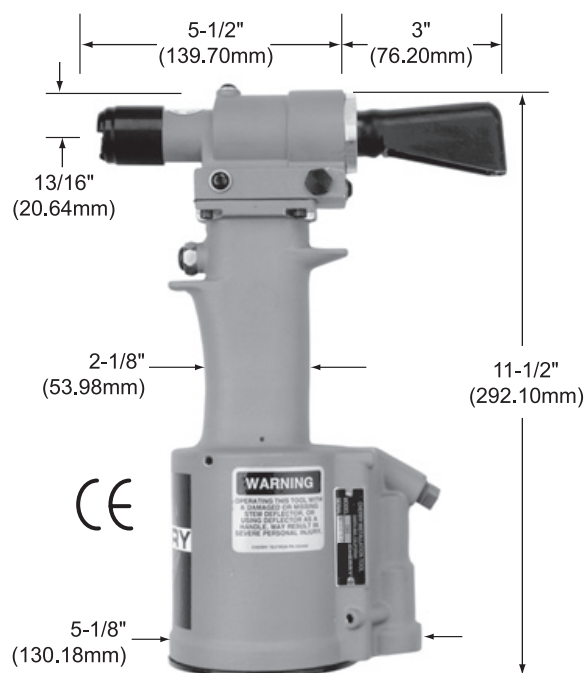
Pulling heads are not furnished with riveter and must be ordered separately.

G83 Pulling Heads for Lockbolts Selection Chart

	Pulling Head Nos.				Lockbolt Dia. ⁵
	Basic Pulling Head ¹	Swivel Nose ²	Swivel Nose, Self-Releasing ³	Swivel Nose Self-Releasing Chisel Shape Nose ⁴	
Straight Pulling Heads	H513-04-20				-04
	H513-04-35				
	H513-05-35	H513S-05-20	H513SR-05-20	H513SRC-05-20	-05
				H513SRC-05-35	
	H513-06-20	H513S-06-20	H513SR-06-20	H513SRC-06-20	-06
	H513-06-60	H513S-06-35	H513SR-06-35	H513SRC-06-35	
Offset Pulling Heads	H563-5B				-05
	H563-6B				-06
	H563SP-5B	Short Pintail			-05
	H563SP-6B	Short Pintail			-06

NOTES:

1. No letter after P/N indicates basic head.
2. "S" after basic P/N indicates swivel nose.
3. "SR" after basic P/N indicates swivel nose, self-releasing.
4. "SRC" after basic P/N indicates swivel nose, self-releasing, chisel shape nose.
5. Straight lockbolt pulling head part numbers indicate pulling head length when attached to the G83. Example: Part No. H513-04-20 indicates the pulling head extends 2.0" beyond gun line.



Maxibolt™ Pulling Heads (S Type)

	Part No.	Maxibolt Dia.
Straight Head	H83B-5MB	-05
Straight Head	H83B-6MB	-06
Maxibolt™ Plus Straight Head	H84B-568	-05, -06

For "U" type blind bolts use 652-066 for -5 and 652-067 insert for -06.

CherryMAX® Adapter and Pulling Heads**

Adapter Part No.	Pulling Head	Pulling Head Part No.	CherryMAX Diameter
744-300	Straight	H701B-456 H747-456	
	Offset	H781-456 H782	-4, -5, -6
	Right Angle	H753A-456	
No adapter required	Straight	H84A-8	-8

**CherryMAX® adapter and pulling heads can install CherryMAX®, CherryMAX® 'AB', and SST® rivets.

Adapters for G83/G84 tools

Adapter	To Adapt To Tool Mounting System
744-100	G85D-S/G87D
744-200	G744
744-300	G704B/747/746A

G84 Mediumweight Lockbolt Tool

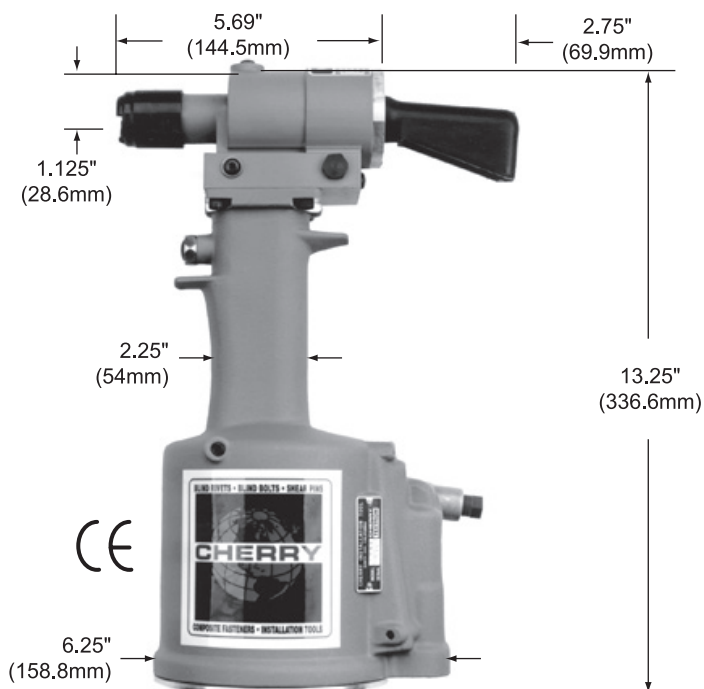
DESCRIPTION

The G84 pneumatic-hydraulic lockbolt installation tool is a rugged production tool designed for high speed, reliable installation of the most popular sizes of aircraft lockbolts. The tool incorporates a bayonet attachment for quick change of pulling heads.

Weighing only 7.70 pounds (3.5 kg), this tool has been designed with many ergonomic features: less recoil, low noise and a comfortable fit in the operator's hand. It can be operated in any position with one hand. The tool can install blind bolts and blind rivets (see installation chart below).

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 psi (7.6 bar) max.
Stroke	9/16 inch (14.3 mm)
Pulling Force	5,750 lbs. (25.6 kN) @ 90 PSI (6.2 bar), 1200 lbs. (5.34 kN) on return stroke
Weight	7.70 lbs. (3.5 kg)
Noise Level	dB (A)
Vibration	less than 2.5 M/S2
Air Consumption	.29 SCF/cycle (8.21L/cycle)



G84 PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.

Note: All pulling heads suitable for the 352 and 230 style tools will fit directly on this tool.



H513SRC-08-48 Straight Pulling Head



H563-6B Offset Pulling Head

Maxibolt™ Blind Bolt Pulling Heads For “S” Style Blind Bolts

H83B-5MB for 5/32" dia. blind bolts
H83B-6MB for 3/16" dia. blind bolts
H84C-8MB for 1/4" dia. blind bolts

For “U” type blind bolts, use 652-066 insert for 5/32" diameter, 652-067 for 3/16" diameter, and 652-106 for 1/4" diameter.

CherryMAX® Pulling Heads

H84A-8 installs 1/4" diameter CherryMAX® rivets.
H701B-456 with 744-300 adapter for 1/8", 5/32", 3/16" dia. CherryMAX®, CherryMAX® ‘AB’, and SST® rivets. Also installs -4, -5, dia. Maxibolt™ “S” type blind bolts.

G84 Pulling Head Selection Chart

Type Series	Pulling Head	Diameter	Grip Lengths Installed
Lockbolts	H513 Straight*	-4, -5, -6, -8	All
Aluminum Lockbolts	H513 Straight*	-4, -5, -6, -8	All
Titanium Lockbolts	Straight	-4, -5, -6, -8	All
Lockbolts	H563 Offset	-4, -5, -6	All
Lockbolts	H562 Offset*	-6, -8	All
Maxibolt™	H83B -5MB -6MB Straight	-5, -6	All
Maxibolt™	H84C -8MB Straight**	-8	All
Maxibolt™ Plus	H84B-568	-5, -6, -8	All
CherryMAX®, CherryMAX® ‘AB’	H701B-456 with 744-300 Adapter	-4, -5, -6†	All
CherryMAX®	H84A-8 Straight	-8	All
CherryLOCK® ‘A’, CherryMAX® ‘AB’	H84-8CLA Straight	-8	All

Adapters for G83/G84 tools

Adapter††	To Adapt To Tool Mounting System
744-100	G85D-S/G87D
744-200	G744
744-300	G704B/G747/G746A

* Use adapter no. 744-100 to accept pulling head design used on G85D, G87D and 353 Style tools

** Use 652-106 “U” type nose piece for “U” type -8 diameter

† Will not pull 3/16" aluminum CherryMAX® ‘AB’ rivets

†† Requires removal of bayonet mount

G84-LS Split Tool

DESCRIPTION

The G84-LS pneumatic-hydraulic installation tool is a heavy duty production tool designed for high speed, reliable installation of the most popular sizes of blind rivets, lockbolts and blind bolts. The G84-LS is a “split” version of the standard G84. The power unit sits on the floor and transmits its power through 10 feet of hose to a lightweight head cylinder. This facilitates fastener installation in many limited access areas and also reduces operator fatigue. Its durable, all metal housing makes this tool very robust for use in a shop environment.

The trigger is incorporated in the head cylinder, providing comfortable, one-handed operation. Furthermore, the head cylinder can be configured for straight (in-line) or pistol grip operation. The recoil absorbing design reduces shock transmitted to the user.

In combination with Cherry brand pulling heads, this tool installs all Lockbolt, blind bolts and blind rivets up to -8 diameter*. It also installs Cherry Rivetless Nut Plates.

SPECIFICATIONS

Air Pressure	90 psi (6.2 bar) min./110 psi (7.6 bar) max. at tool
Stroke	.530 inch (13.5 mm)
Pulling Force	5,700 lbs. (25.32 kN) @ 90 psi (6.2 bar)
Weight	Total: 11.8 lbs. (5.35 kg); head only: 2.0 lbs. (.91 kg)
Noise Level	66.5 dB (A)
Vibration	4.0 m/s ²
Air Consumption	.34 SCF/cycle (9.63 L/cycle)

G84-LS PULLING HEADS*

Pulling heads for the G84-LS or comparable riveters will fit directly with no adaptation required. For other Cherry mount systems, the following adaptors are required:

Adapter*	To Adapt to Tool Mounting System
744-500	Cherry G744 mount
744-600	Cherry G704B/G747/G746A
744-700	Cherry G83/G84 Bayonet

*Pulling Heads and adaptors are not furnished with riveter and must be ordered separately.

Contact Cherry Aerospace Technical Services for more information on Pulling Head selection.



G85D-S Split Lockbolt Power Riveter

Description

The G85D-S pneumatic-hydraulic lockbolt installation tool is a heavy duty production tool designed for high-speed, reliable installation of the most popular sizes of aircraft lockbolts. The G85D-S is a “split” version of the G85D. The power unit sits on the floor and transmits its power through 8 feet of hose to a light weight, **ergonomic** pistol grip handle. This facilitates fastener installation in many limited access areas and also reduces operator fatigue.

Its durable, all metal housing makes this tool very robust for use in a shop environment. By bending the rubber pin deflector sideways, 1-1/2" additional clearance can be obtained. This tool installs all 3/16", 1/4" and 5/16" diameter lockbolts in all materials and 3/8" diameter in aluminum. It can also install selected blind bolts and blind rivets. Pulling heads are not furnished with the tool, and must be ordered separately. See the table below for correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max. at tool
Stroke	.720 in. (18.3 mm)
Pulling Force	7,000 lbs. (31.1 kN) @ 90 PSI (6.2 bar)
Weight	Total: 19.3 lbs. (8.75 kg), Head only: 4.3 lbs. (1.95 kg)
Noise Level	76.7 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.27 SCF/cycle (7.65 L/cycle)

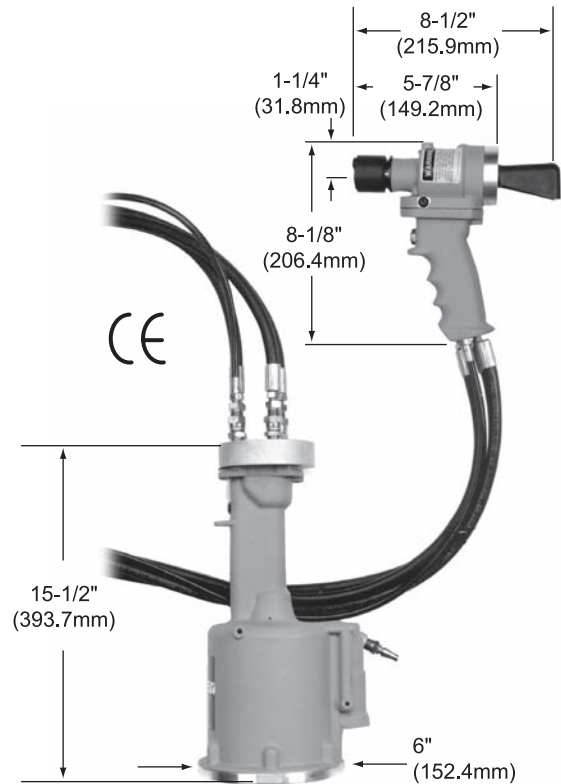
G85D-S PULLING HEADS

Pulling heads are not furnished with riveter and must be ordered separately.

G85D-S Pulling Head Selection Chart

Lockbolt Dia.	Tool Face (inches except Column 3)	Length from Short Pintail	1. Straight Nose		2. Chisel Nose		3. Offset
			Swivel	Swivel Self-Releasing	Swivel Self-Releasing		
1/8"	2"	H513-04-20*	—	—	—		H563-4B*
	3-1/2"	H513-04-35*	—	—	—		H563SP-4B*
5/32"	2"	—	H513S-05-20*	H513SR-05-20*	H513SRC-05-20*		H563-5B*
	3-1/2"	H513-05-35*	H513S-05-35	H513SR-05-35	H513SRC-05-35*		H563SP-5B*
3/16"	2"	H513-06-20*	H513S-06-20*	H513SR-06-20*	H513SRC-06-20*		H563-6B*
	2-3/8"	—	H513S-06-24	H513SR-06-24	—		H562-6B
	3-1/2"	—	H513S-06-35*	H513SR-06-35*	H513SRC-06-35*		H563SP-6B*
	4-13/16"	—	H513S-06-48	H513SR-06-48	—		—
1/4"	6"	H513-06-60*	—	—	—		—
	2-3/8"	—	H513S-08-24	H513SR-08-24	—		H562-8B
	3-1/2"	H513-08-35*	H513S-08-35*	—	—		—
5/16"	4-13/16"	—	H513S-08-48	H513SR-08-48	H513SRC-08-48		—
	2-11/16"	—	H513S-10-27	H513SR-10-27	—		—
3/8"	4-3/16"	—	H513S-10-42	H513SR-10-42	—		—
	2-11/16"	—	H513S-12-27	H513SR-12-27	—		—
	4-3/16"	—	H513S-12-42	H513SR-12-42	—		—

CherryMAX®, CherryLOCK®, MBC®, Maxibolt™, SST® and SPR® are trademarks of Cherry Aerospace, Huck® is a registered trademark of Huck International Inc.



* These parts require the 552 adapter when used on Cherry G85D-S, G87D or Huck®353. Parts with an asterisk fit directly on the Cherry G83, G84 or Huck®352 tools.

NOTES:

In pulling head part numbers,
S = Swivel
R = Self Releasing
C = Chisel Nose
SP = Short Pintail

Straight lockbolt pulling head part numbers indicate pulling head length and diameter. Example: In Part No. H513-05-35 the -05 indicates 5/32 diameter and -35 indicates that the pulling head extends 3-1/2" beyond gun line.

G87D Lockbolt Power Tool

National Stock Number: 5130-00-760-1360

DESCRIPTION

The G87D pneumatic-hydraulic lockbolt installation tool is a heavy duty production tool designed for high-speed, reliable installation of the most popular sizes of aircraft lockbolts. This extremely powerful tool, designed with many **ergonomic features** weighs only 10-3/4 lbs. (4.875 kg.) and fits comfortably in the operator's hand. It can be operated in any position with one hand.

By bending the rubber pin deflector sideways, 1-1/2" additional clearance can be obtained. This tool can also be used to install blind bolts. See the table below for correct pulling head part number.

SPECIFICATIONS

Air Pressure	90 PSI (6.2 bar) min./110 PSI (7.6 bar) max.
Stroke	9/16 inch (14.3 mm)
Pulling Force	9,500 lbs. (42.3 kN) @ 90 PSI (6.2 bar),
Weight	10.75 lbs. (4.875 kg)
Noise Level	74.2 dB (A)
Vibration	less than 2.5 m/s ²
Air Consumption	.60 SCF/cycle (17 L/cycle)

G87D pulling heads

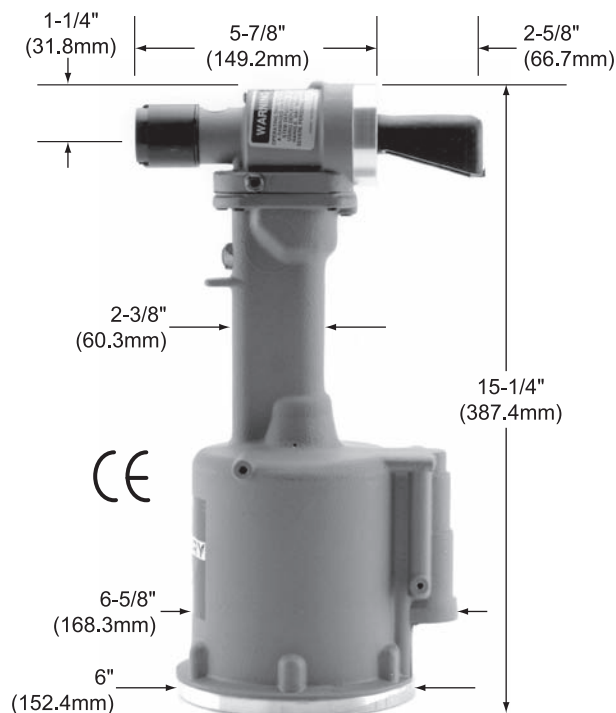
Pulling heads are not furnished with riveter and must be ordered separately.

G87D Lockbolt Pulling Head Selection Chart

Lockbolt Dia.	Length from Tool Face (except column 3)	Short Pintail	1. Straight Nose		2. Chisel Nose		3. Offset
			Swivel	Swivel Self-Releasing	Swivel Self-Releasing	Swivel Self-Releasing	
1/8"	2"	H513-04-20*	—	—	—	—	H563-4B*
	3-1/2"	H513-04-35*	—	—	—	—	H563SP-4B*
5/32"	2"	—	H513S-05-20*	H513SR-05-20*	H513SRC-05-20*	—	H563-5B*
	3-1/2"	H513-05-35*	H513S-05-35	H513SR-05-35	H513SRC-05-35*	—	H563SP-5B
3/16"	2"	H513-06-20*	H513S-06-20*	H513SR-06-20*	H513SRC-06-20*	—	H563-6B*
	2-3/8"	—	H513S-06-24	H513SR-06-24	—	—	H562-6B
	3-1/2"	—	H513S-06-35*	H513SR-06-35*	H513SRC-06-35*	—	H563SP-6B*
	4-13/16"	—	H513S-06-48	H513SR-06-48	—	—	—
	6"	H513-06-60*	—	—	—	—	—
1/4"	2-3/8"	—	H513S-08-24	H513SR-08-24	—	—	H562-8B
	3-1/2"	H513-08-35*	H513S-08-35*	—	H513SRC-08-48	—	—
	4-13/16"	—	H513S-08-48	H513SR-08-48	—	—	—
5/16"	2-11/16"	—	H513S-10-27	H513SR-10-27	—	—	—
	4-3/16"	—	H513S-10-42	H513SR-10-42	—	—	—
3/8"	2-11/16"	—	H513S-12-27	H513SR-12-27	—	—	—
	4-3/16"	—	H513S-12-42	H513SR-12-42	—	—	—

*These parts require the 552 adapter when used on Cherry G87D, G85D or Huck®353. Parts with an asterisk fit directly on the Cherry G83 or Huck®352 tools.

NOTES: Parts with no asterisk fit directly on Cherry G87D, G85D and Huck®353 tools. After the H513 in part numbers, S = Swivel, R = Self Releasing C = Chisel Nose. Straight Lockbolt pulling head part numbers indicate pulling head length and diameter. Example: In Part No. H513-05-35 the -05 indicates 5/32 diameter and -35 indicates that the pulling head extends 3-1/2" beyond gun line. After H563, SP = Short Pintail



CherryMAX® Pulling Heads & Adapter**

	Part No.	CherryMAX® Dia.	Adapter
Straight	H84A-8	-8	552
Offset	H827-8	-8	560-070
Right Angle	H828-8	-8	560-070

Maxibolt™ Pulling Heads and Adapter

	Part No.	Maxibolt™ Dia.	Adapter
Straight Pulling Head	H652-8MB	-8	—
	H83B-5MB	-5	552
	H83B-6MB	-6	552
	H744-5MB	-5	560-070
Offset	H744-6MB	-6	560-070
	H856-6MB	-6	560-070
Right Angle	H828-5MB	-5	560-070
	H828-6MB	-6	560-070

** CherryMAX® adapter and pulling heads can install CherryMAX®, CherryMAX® 'AB', and SST® rivets.

G27 Hand Riveter

National Stock Numbers: 5120-01-145-0281

DESCRIPTION

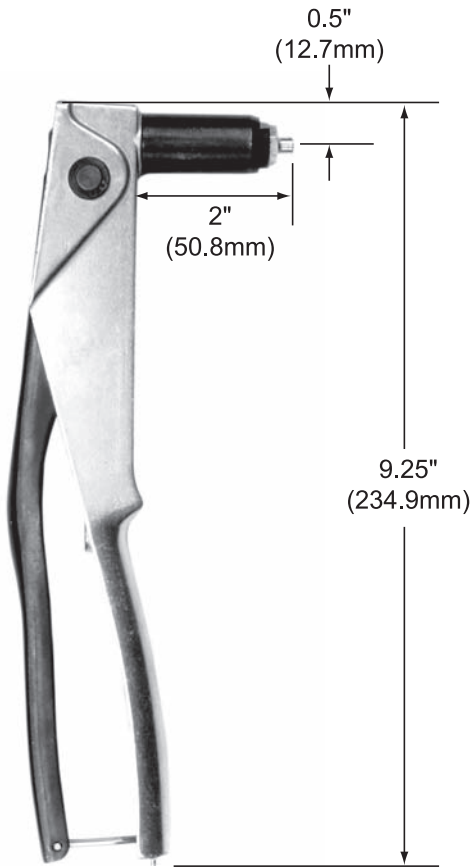
The G27 Hand Riveter is designed specifically for manual installation of 1/8" CherryMAX® rivets.

The G27 Riveter is intended for use where access or power limitation prevents the use of pneumatic power tools.

Overall length of the G27 is 9-1/4" (234.9 mm), the net weight is just 13 ounces (368 grams). The G27 comes equipped with a 728A9-4 nosetip.

G27 riveter can pull the following part numbers:

CherryMAX Rivets	SST® Rivets	MBC L/C Rivets
CR3212-4	CR6222-4	4901-04
CR3213-4	CR6223-4	4904-04
CR3222-4	CR6224-4	4705-04
CR3223-4	CR6252-4	4907-04
CR3523-4	CR6253-4	4911-04
CR3522-4		4917-04
CR3214-4		4967-04
CR3224-4		
CR3524-4		
CR3242-4		
CR3243-4		
CR3252-4		
CR3253-4		
CR3852-4		
CR3853-4		



G29 Hand Riveter

National Stock Number: 5120-01-426-6095

DESCRIPTION

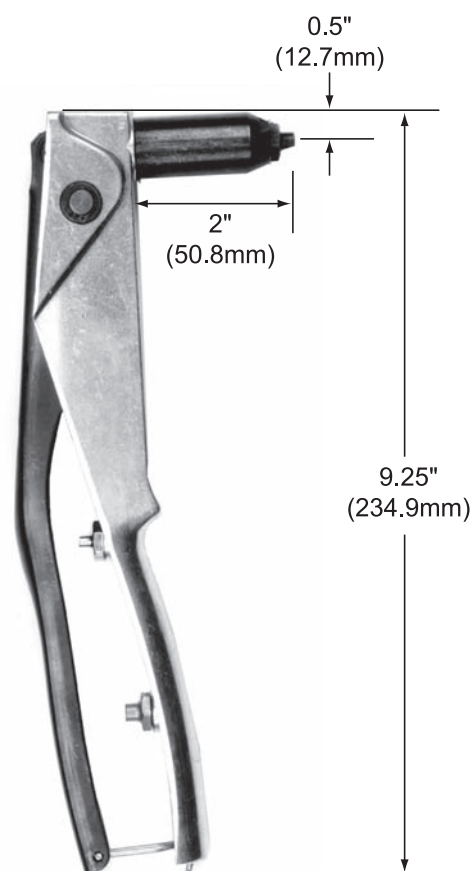
The G29 hand riveter is an efficient, compact, lightweight tool for installing nut-plate and SPR® rivets. It comes equipped with a 728A9-3 nosetip to install 3/32" rivets and has a 728A9-104 nosetip stored in the handle for installing 1/8" rivets.

The G29 Riveter is 9-1/4" (234.9 mm) long, weighs just 13 ounces (368 grams) and is intended for use where access or power limitations prevent the use of power tools.

To operate, first insert rivet stem into nosetip. Insert rivet into work with riveter nosetip held firmly and squarely against the head of the rivet. Maintain a steady pressure against rivet head and squeeze the handles to install the rivet. An additional stroke may be necessary depending on the rivet length and the thickness of the material being joined.

G29 riveter can pull the following fasteners:

Product	Diameter	Insert
SPR® Rivet		
CR1122	-3	728A9-3
Nut Plate Rivet		
CCR244	-3	728A9-3
CCR264	-3	728A9-3
CCR274	-3	728A9-3
CCR244	-4	728A9-104
CCR264	-4	728A9-104
CCR274	-4	728A9-104
Metric Nut Plate Rivet		
CCMR244	-25	728A9-3
CCMR264	-25	728A9-3
CCMR274	-25	728A9-3
CCMR244	-30, -35	728A9-104
CCMR264	-30, -35	728A9-104
CCMR274	-30, -35	728A9-104



G30 Hand Riveter

For installation of CherryLOCK® 'A' locked spindle rivets CR2672, & CR2673 Series

National Stock Number: 5120-01-416-7826

DESCRIPTION

The G30 hand riveter is an efficient, compact, lightweight and economical tool for installation of CherryLOCK® 'A' rivets. Provided with this tool is a special designed nose piece which is essential for the proper insertion of the rivet locking collar.

The G30 is 9-1/4" (234.9 mm) long, weighs just 13 ounces (368 grams) and is intended for use where limited access to power prevent the use of power tools or where smaller quantities of rivets are to be installed.

To operate, insert the serrated stem of the rivet into the nosetip. Insert the rivet into the application, holding the riveter nosetip firmly and squarely against the rivet head and squeeze the handles to install the rivet. On longer grip rivets, additional strokes will be required.

G30 riveter can pull the following rivets:

3/32 'A' Code Rivets
CR2672
CR2673
NAS1399C3A()
NAS1398C3A()



G800 & G800CMR Lightweight Hand Riveter

G800CMR

National Stock Number: 5120-01-583-1154

DESCRIPTION

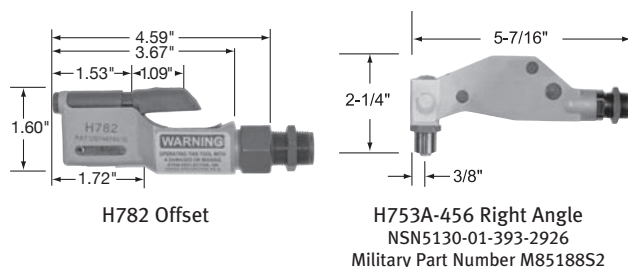
The G800 hydraulic riveting tool provides the versatility of pneumatic-hydraulic riveter with a lightweight, high pull strength ratio not found in other hand riveters. A proprietary, 2-stage hydraulic power cylinder eases pulling of the handle, eliminating the strain normally endured to install a high-strength fastener.

The G800 hand riveter can install a variety of blind fastener styles, diameters, head configurations, and material combinations. The G800 with the standard pulling head can install CherryMAX® and SST® blind rivets in -4, -5, -6, diameters, and -05, -06 diameter Maxibolt™ blind bolts by simply changing the pulling head. The straight pulling head is provided with the tool.

SPECIFICATIONS

Stroke	.750 inches (19.06 mm)
Pulling Force	3800/4200 lb.
Weight	1.9 lbs. (861.8 grams)
Overall Height	6.4 inches (162.5 mm)
Overall Length	7.75 inches (196.8 mm)
Pulling Heads	Straight, offset, right angle, threaded inserts

G800 PULLING HEADS AND ACCESSORIES



G800CMR HAND RIVETER TOOL KIT

NSN 5120-01-583-1154

The G800CMR hydraulic riveter tool kit includes the G800 with a straight pulling head, adapter assembly, a right angle pulling head, an offset pulling head and a sturdy plastic carrying case.



G800 Hand Tool

Pulling Head	Adapter	Rivet	Diameters
Straight (supplied)	—	CherryMAX®	-4, -5, -6
	—	CherryMAX® 'AB'	-4, -5, -6*
	—	SST®	-4, -5, -6
	—	Maxibolt™ ("S" type)	04, 05
H781-456 H782 Offset	—	CherryMAX®	-4, -5, -6
	—	CherryMAX® 'AB'	-4, -5, -6*
	—	SST®	-4, -5, -6
	—	Maxibolt™ ("S" type)	04, 05
H753A-456 Right Angle	—	CherryMAX®	-4, -5, -6
	—	CherryMAX® 'AB'	-4, -5, -6*
	—	SST®	-4, -5, -6
	—	Maxibolt™ ("S" type)	04, 05
HD800-8 Straight	—	CherryMAX®	-8
	—	CherryMAX® 'AB'	-8*

*No 3/16" aluminum. Pulls stainless steel and Monel only.

G800CMR Kit Contents

Item No	Qty.	Part No.	Description
1	1	G800	Hand Riveter (Includes Pulling Head)
2	1	H782	Offset Pulling Head
3	1	H753A-456	Right Angle Pulling Head
5	1	TLIT H782	H782Tool Sheet
6	1	TLIT H753A-456	H753A-456 Tool Sheet

Adapters and Accessories

Part Number	Item	Description and Use
226A	Adapter	Allows the G740A to accept the H9015 and H9055 pulling heads (CherryLOCK® Catalog)
530B197	Adapter	Converts the G85D-S/G87D to accept the H827/H828 1/4" pulling head (No hole through piston; similar to 560-070)
552	Adapter	Allows use of smaller diameter lockbolt nose and blind bolt nose assemblies on the G85D-S/G87D tools Example: Cherry H513S-05-20 or Huck® 352 type nose assemblies on G87D.
560-070	Adapter	Use on G85D-S/G87D to attach H744-5/6MB and H856 offset and H828-6MB right angle pulling heads
680B46	Adapter	Use on G700, G784 and G689 to permit use of H9015 and H9055 series pulling heads (CherryLOCK® Catalog)
680B57	Adapter	Use on G784, G686B-S and G689 to permit use of H9040 series pulling heads Example: H9040-8C (CherryLOCK® Catalog)
680B205	Adapter	Use on G686B-S, G784, and G689 to permit use of H753A-456 and H782 heads (CherryMAX® Catalog)
700A77	Air Bleeder	Use with all Cherry power riveters except G902 and G902-15
704A6	Adapter	Allows use of H9040 heads on G704B, G746A and G747 (CherryMAX® Catalog)
704A9	Adapter	Allows use of screw on type H9015 and H9055 heads on G704B, G746A and G747 (CherryMAX® Catalog)
704A12-2	Extension	Use on G704B, G746A and G747 (2" extension)
704A12-4	Extension	Use on G704B, G746A and G747 (4" extension)
704A12-6	Extension	Use on G704B, G746A and G747 (6" extension)
704A12-12	Extension	Use on G704B, G746A and G747 (12" extension)
740A26	Adapter	Allows the use of H781-456, H782 and H753A-456 on the G740A (CherryLOCK® Catalog)
744A20	Adapter	Use on the G744 to accept the H781-456, H782 and the H753A-456 (CherryMAX® Catalog)

Adapters and Accessories (continued)

Part Number	Item	Description and Use
744B25	Adapter	Use on G744 to accommodate 352 style blind bolt pulling head
744B35-2	Extension	Use on G744 with 1/4" CherryMAX® pulling heads (2" extension)
744B35-4	Extension	Use on G744 with 1/4" CherryMAX® pulling heads (4" extension)
744B35-6	Extension	Use on G744 with 1/4" CherryMAX® pulling heads (6" extension)
744B35-12	Extension	Use on G744 with 1/4" CherryMAX® pulling heads (12" extension)
744-100	Adapter	This adapter is used on the G84 and permits the use of larger lockbolt and blind bolt pulling heads as used on the G87D and 353 tools (G84 Tool Maintenance Manual)
744-200	Adapter	Converts the G83/G84 to the end configuration of the G744 to allow the use of the H744A-8, H827-8, H828-5MB, and the H828-6MB (G84 Tool Maintenance Manual)
744-300	Adapter	Use on G83/G84 tool to accept CherryMAX® pulling heads H701B-456, H753A-456, H781-456 and H782 (G84 Tool Maintenance Manual)
750A-088	Adapter	Use with G750A (obsolete tool) to attach H781-456, H753A-456 (G750A Tool Maintenance Manual)
750A-117	Adapter	For use on G750A (obsolete tool) to accept the H9015 and the H9055 series pulling heads (G750A Maintenance Manual)
753B21	Extension	Use on the H753A-456 pulling head to increase the length of the nose piece 2-3/16 inches (CherryMAX® Catalog)



CherryMAX® Blind Rivets & Tools

Part Number Cross-Reference

Rivet Part Numbers

NAS Part No.	Cherry Part No.	Military Part No.	Boeing Part No.
NAS9301B	CR3213	M7885/	
NAS9301E	CR3223	—	
NAS9302B	CR3212	M7885/3	
NAS9302E	CR3222	—	
NAS9303B	CR3214	—	
NAS9303E	CR3224	—	
NAS9304B	CR3243	M7885/6	BACR15FR()B()R
NAS9304E	CR3253	—	BACR15FR()E()R
NAS9305B	CR3242	M7885/7	BACR15FP()B()R
NAS9305E	CR3252	—	BACR15FR()E()R
NAS9306B	CR3245	—	
NAS9306E	CR3255	—	
NAS9307M	CR3523	M7885/4	
NAS9307MP	CR3523P	—	
NAS9308M	CR3522	M7885/5	
NAS9308MP	CR3522P	—	
NAS9309M	CR3524	—	
NAS9309MP	CR3524P	—	
NAS9310M	CR3553	M7885/8	
NAS9310MP	CR3553P	—	BACR15FR()MP()R
NAS9310C	CR3853	—	BACR15FR()M()R
NAS9311M	CR3552	M7885/9	BACR15FP()M()R
NAS9311MP	CR3552P	—	BACR15FP()MP()R
NAS9311C	CR3852	—	
NAS9312M	CR3555	—	
NAS9312MP	CR3555P		

Cherry Power Tools

Tool	Pulling Head	Rivet Dia. Pulled
G704B G704B-SR G704B-40SH G747	H701B-456 Straight	-4, -5, -6
	H747-456 Straight	-4, -5, -6
	H753A-456 Rt. Angle	-4, -5, -6
	H781-456 Offset	-4, -5, -6
	H782 Offset	-4, -5, -6
G83/84	H84A-8 Straight	-8
	H828-8* Rt. Angle	-8
	H827-8 Offset	-8
	H701B-456**	-4, -5, -6
G784	H680B200A Straight	-4, -5, -6
	H753A-456*** Rt. Angle	-4, -5, -6
	H781-456*** H782*** Offset	-4, -5, -6

* Use adapter 744-200

** Use adapter 744-300

*** Use adapter 680B205

NOTE: G704B/G83/G84 power riveters recommended for installation of Inconel fasteners due to high break stem loads.

For reference only.



CherryMAX® 'AB' Blind Rivets & Tools

Part Number Cross-Reference

Rivet Part Numbers

NAS Part No.	Cherry Part No.
NAS1399D()AB()	CR4172
NAS1399B()AB()	CR4272
NAS1399M()AB()	CR4522
NAS1399MW()AB()	CR4522P
NAS1399C()AB()	CR4622
—	CR4622D
NAS1399CW()AB()	CR4622CW
NAS1398D()AB()	CR4173
NAS1398B()AB()	CR4273
NAS1398MW()AB()	CR4523P
NAS1398C()AB()	CR4623
—	CR4623D
NAS1398CW()AB()	CR4623CW

For reference only.

Cherry Power Tools

Tool	Pulling Head	Rivet Dia. Pulled
G704B** G704B-SR** G704B-40SH** G747**	H701B-456 Straight	-4, -5, -6*
	H747-456 Straight	-4, -5, -6*
	H753A-456*** Rt. Angle	-4, -5, -6*
	H781-456 Offset	-4, -5, -6*
	H955-6 Straight	-6†
	H782 Offset	-4, -5, -6*
G746A	H701B-456 Straight	-4, -5, -6*
	H955-6 Straight	-6†
	H753A-456*** Rt. Angle	-4, -5, -6*
	H781-456 H782 Offset	-4, -5, -6*
G744 (special order)	H744A-8 Straight	-8
	H828-8 Rt. Angle	-8
G83	H84A-8	-8
	H84-8CLA	-8†

* Pulls Monel and stainless in all diameters. Pulls aluminum in -4 and -5 diameters only.

**May require double stroke.

*** -4 grip maximum length.

† All-aluminum fasteners in the diameter identified in the chart.



SST® Rivets & Tools

Part Number Cross-Reference

Rivet Part Numbers

Cherry Part No.

CR6252-()-()

CR6253-()-()

CR6222-()-()

CR6223-()-()

CR6224-()-()

Boeing Part No.

BACR15GJ()E()

BACR15GK()E()

BACR15GL()E()

BACR15GM()E()

For reference only.

Cherry Power Tools

Tool	Pulling Head	Rivet Dia. Pulled
G704B G704B-SR G704B-40SH G747	H701B-456 Straight	-4, -5, -6
	H747-456 Straight	-4, -5, -6
	H753A-456 Rt. Angle	-4, -5, -6
	H781-456 Offset	-4, -5, -6
	H782 Offset	-4, -5, -6
G746A	H701B-456 Straight	-4, -5, -6
	H753A-456 Rt. Angle	-4, -5, -6
	H781-456 H782 Offset	-4, -5, -6



CherryLOCK® 'A' Blind Rivets & Tools

Part Number Cross-Reference

Rivet Part Numbers		Cherry Power Tools		
NAS Part No.	Cherry Part No.	Tool	Pulling Head	Rivet Dia. Pulled
NAS1399D()A()	CR2172	G704B* G747*	H955-4 Straight	-4
NAS1399B()A()	CR2272		H955-5 Straight	-5
NAS1399M()A()	CR2572		H955-6 Straight	-6
NAS1399MW()A()	CR2572P		H886-4 Right Angle	-4
NAS1399MS()A()	CR2572S		H886-5 Right Angle	-5
NAS1399C()A()	CR2672		H886-6 Right Angle	-6
NAS1399CW()A()	CR2672CW	G746A	H955-3 Straight	-3
NAS1399CS()A()	CR2672S		H955-4 Straight	-4
NAS1398D()A()	CR2173		H955-5 Straight	-5
NAS1398B()A()	CR2273		H955-6 Straight	-6
NAS1398M()A()	CR2573		H886-4 Right Angle	-4
NAS1398MW()A()	CR2573P		H886-5 Right Angle	-5
NAS1398MS()A()	CR2573S	G83	H886-6 Right Angle	-6
NAS1398C()A()	CR2673		H84-8CLA Straight	-5 or shorter grip
NAS1398CW()A()	CR2673CW	G686B-S G689	H9044-8 Straight (use 680B57† adapter)	-8 long grip
NAS1398CS()A()	CR2673S	Hand Riveters G30	included	-3

For reference only.

Note: H886 is limited to -04 grip length products (maximum).

* Requires double stroke for grips -5 and longer

† Use with adapter 680B57 for long grip -8



bulbed

CherryLOCK® Blind Rivets & Tools

Part Number Cross-Reference



wiredraw

Fastener Part Numbers

Wiredraw		Bulbed	
NAS Part No.	Cherry Part No.	NAS Part No.	Cherry Part No.
NAS1399D	CR2162	NAS1738E	CR2239
NAS1399B	CR2262	NAS1738B	CR2249
NAS1399M	CR2562M	NAS1738M	CR2539
NAS1399MW	CR2562	NAS1738MW	CR2539P
NAS1399MS	CR2562S	NAS1738C	CR2839
—	—	NAS1738CW	CR2839CW
—	CR2642	NAS1739E	CR2238
—	CR2652	NAS1739B	CR2248
NAS1399C	CR2662	NAS1739M	CR2538
NAS1399CW	CR2662CW	NAS1739MW	CR2538P
NAS1399CS	CR2662S	NAS1739C	CR2838
NAS1398D	CR2163	NAS1739CW	CR2838CW
NAS1398B	CR2263	—	CR2235 [†]
NAS1398M	CR2563M	—	CR2245 [†]
NAS1398MW	CR2563	—	CR2545 [†]
NAS1398MS	CR2563S	—	CR2845 [†]
—	CR2643	—	CR2540 ^{††}
—	CR2653	—	CR2840 ^{††}
NAS1398C	CR2663	—	
NAS1398CW	CR2663CW	—	
NAS1398CS	CR2663S	—	

For reference only.

Cherry Power Tools

Tool	Pulling Head	Rivet Dia. Pulled	
		Wiredraw	Bulbed
G700	H681-3C	-3	
A Group*	H681-4C	-4	-4
	H681-3C	-3	
G784	H681-4C	-4	-4
A Group*	H681-5C	-5	-5
	H681-6C	-6	-6
	H681-8C	-8	
G686B-S	H681-3C	-3	
A, B, C Group*	H681-4C	-4	-4
	H681-5C	-5	-5
	H681-6C	-6	-6
	H681-3C	-3	
G689	H681-4C	-4	-4
A, B, C Group*	H681-5C	-5	-5
	H681-6C	-6	-6
	H681-8C	-8	
	H690-4C/U	-4	-4
	H690-5C/U	-5	-5
G695B**	H690-6C/U	-6	-6
	H690-8C/U	-8	

C: countersunk head

U: universal head

* Rivet group refers to shift-point setting of riveter which sometimes requires a longer stroke tool

** Limited to -.04 grip length in wiredraw products. Consult tool sheets for information regarding diameter and material capabilities.

[†] H681B166-X

X=diameter of rivet

^{††} H681-XF

X=diameter of rivet



Maxibolt™ Blind Bolts & Tools

Part Number Cross-Reference

Rivet Part Numbers

MS Part No.	Cherry Part No.	Boeing Part No.
MS90353S	CR7310S	—
MS90354S	CR7311S	—
MS21140S	CR7620S	—
MS21141S	CR7621S	—
—	CR7340S	—
—	CR7341S	—
—	CR7650S	—
—	CR7651S	—
—	CR7770S	BACB30YY
—	CR7771S	BACB30YU
—	CR7773S	NONE
—	CR7774S	BACB30YT

For reference only.

U Type Inserts

Head	Insert
H828-5MB	828-035
H828-6MB	828-036
H744-5MB	530-203-5
H744-6MB	530-203-6
H652-8MB	652-002
H83B-5MB	652-066
H83B-6MB	652-067
H84C-8MB	652-106

Cherry Power Tools

Tool	Pulling Head	Rivet Dia. Pulled
G704B G747	H701B-456 H747-456 Straight	-4, -5
	H753A-456 Rt. Angle	-4, -5
	H781-456 H782 Offset	-4, -5
	H846A-456 Straight	-4
G744 (special order)	H744-5MB Straight	-5
	H744-6MB Straight	-6
	H828-5MB Rt. Angle	-5
	H828-6MB Rt. Angle	-6
	H856-6MB Offset	-6
	H701B-456* H747-456 Straight	-4
	H83B-5MB Straight	-5
	H83B-6MB Straight	-6
G83	H828-5MB† Rt. Angle	-5
	H828-6MB† Rt. Angle	-6
	H83B-5MB Straight	-5
	H83B-6MB Straight	-6
G84	H84A-8MB Straight	-8
	H828-8MB† Right Angle	-8
	H84C-8MB Straight	-8
	H652-8MB Straight	-8
G87D	H652-8MB Straight	-8
G85D-S	H652-8MB Straight	-8

† Requires 744-200 Adapter

* Requires 7 44-300 adapter



Pull Type Lockbolts & Tools

Part Number Cross-Reference

Lockbolt Part Numbers

NAS Part No.	Cherry Part No.
NAS1446-1452	SALP-T
NAS7034-7042	S3LP-DT
NAS7014-7022	S3LP-EU
NAS1436-1442	SAL100-T
NAS7024-7032	S3L100-DT
NAS7004-7012	S3L100-EU
NAS1465-1472	R3001-T
NAS1525-1532	2LP-E
NAS6965-6972	2LP-EU
NAS1475-1482	R3014-T
NAS1456-1462	R3002-T
NAS1535-1542	2L426-E
NAS1516-1522	2L509-E
NAS6955-6962	2L426-EU
NAS6946-6952	2L509-EU

Cherry Power Tools

Tool	Pulling Head	Lockbolt Dia. Pulled
G83	H513-04-20*	1/8"
	H513-05-35*	5/32"
	H513-06-20*	3/16"
G84	H513-04-20*	1/8"
	H513S-05-20*	5/32"
	H513-06-20*	3/16"
	H513-08-35*	1/4"
G87D	H513S-05-35	5/32"
	H513S-06-24	3/16"
	H513S-08-24	1/4"
	H513S-10-42	5/16"
	H513S-12-42	3/8"
G85D-S	H513S-05-35	5/32"
	H513S-06-24	3/16"
	H513S-08-24	1/4"
	H513S-10-42	5/16"

* Refer to H513 pulling head chart for alternate part numbers



MBC®Standard and MBC®Lock Creator Rivets & Tools

Part Number Cross-Reference

Fastener Reference Numbers		
NAS Part Number	Cherry Part Number	Tool / Pulling Head
NAS1719Hx-xx	4867-xxxx	G746A / H746-xMBC
NAS1719HxLxx	4967-xxxx 4906-xxxx	G746A / H701B-456 or G800
NAS1719Cx-xx	4865-xxxx 4861-xxxx	G746A / H746A-xMBC
NAS1719CxLxx	4965-xxxx 4961-xxxx	G746A / H701B-456 or G800
NAS1720Hx-xx	4801-xxxx 4804-xxxx 4811-xxxx	G746A / H746A-xMBC
NAS1720HxLxx	4901-xxxx 4904-xxxx 4911-xxxx 4951-xxxx	G746A / H701B-456 or G800
NAS1720Cx-xx	4831-xxxx 4851-xxxx	G746A / H746-xMBC
NAS1720CxLxx	4931-xxxx 4951-xxxx	G746A / H701B-456 or G800
NAS1721Hx-xx	4807-xxxx 4817-xxxx	G746A / H746-xMBC
NAS1721HxLxx	4905-xxxx 4907-xxxx 4917-xxxx	G746A / H701B-456 or G800
NAS1721Cx-xx	4837-xxxx 4857-xxxx	G746A / H746-xMBC
NAS1721CxLxx	4937-xxxx 4957-xxxx	G746A / H701B-456 or G800

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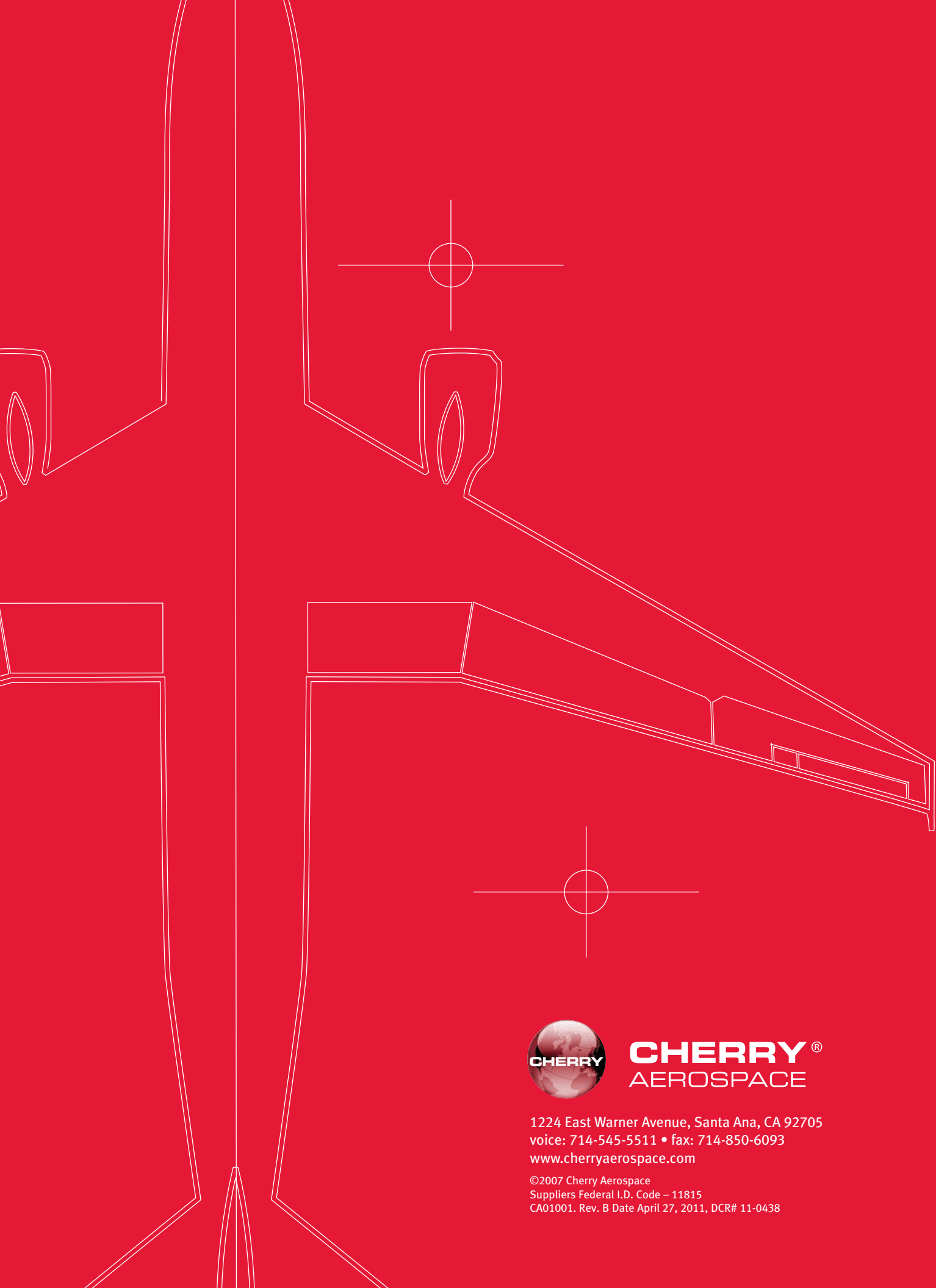
ATTENTION

Blind fasteners are not always a suitable substitute for solid shank fasteners. Maintenance personnel are reminded that AC 43.13-1A chapter 2, section 3, stipulates: "Do not substitute hollow rivets for solid rivets in load carrying members without specific approval of the application by a representative of the Federal Aviation Administration. Blind rivets may be used in blind locations in accordance with the conditions listed in Chapter 5, provided the edge distances and spacings are not less than the minimum listed in paragraph 99d."



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