



Fastening Systems for Aerospace

Tool Catalog

TEXTRON Fastening Systems
Applied creativity. Breakthrough solutions.™

G702A Lightweight Nut-Plate Power Tool

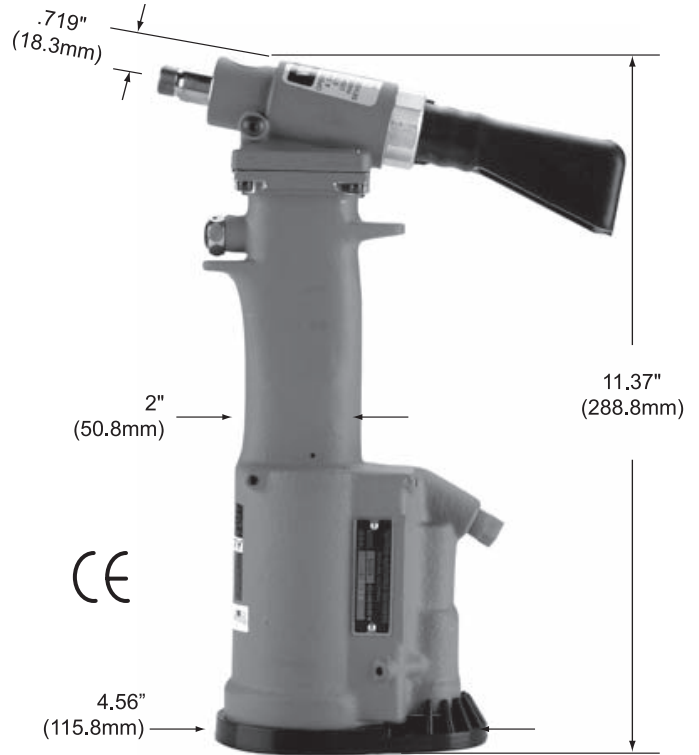
Description

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 nosepiece 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)

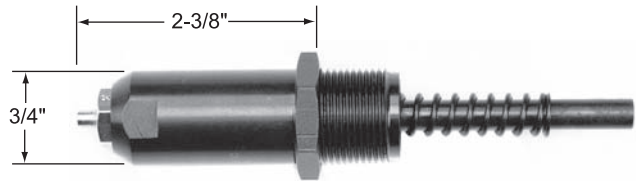


G702A Pulling Head

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 nosepiece for installing 3/32" rivets and a 728A9-104 nosepiece for installing 1/8" rivets.



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

* On the first stroke.

** Both inserts included with pulling head.

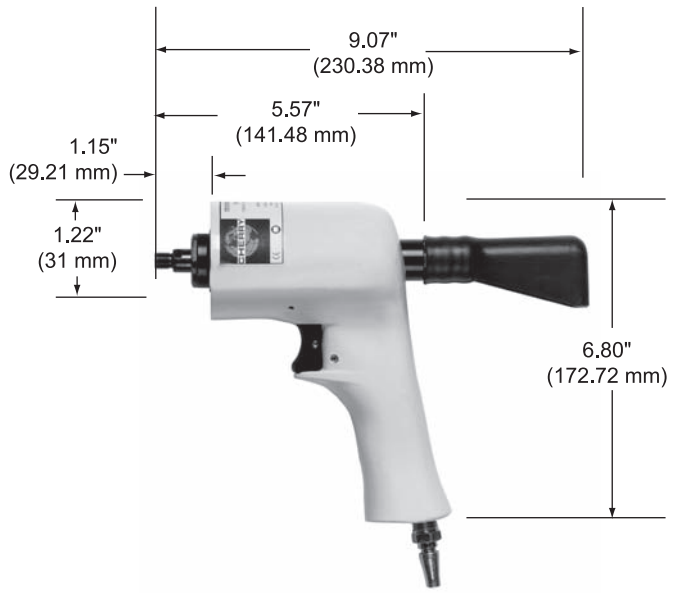
G902/902-15 Lightweight Nut-Plate Power Tool

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./110 PSI (7.6 bar) max.
Stroke	3/4 in. (19 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	3/32", 2.5 mm, 3 mm	-8 *
		SPR®	3/32"	-8 *
		CherryLOCK® "A" †	3/32"	-8 *
	H902-4NPR H701B-456	Nut-Plate	1/8"	-8 *
G902-15	H9015-3C	Nut-Plate	3/32", 2.5 mm, 3 mm	-9 *
		SPR®	3/32"	-9 *
		CherryLOCK® "A"	3/32"	-9 *
	H9015-4C	Nut-Plate	1/8"	-9 *

* On the first stroke.

† To install 3/32 CherryLOCK® "A", replace nosepiece with 902-038 nosepiece.

TEXTRON Fastening Systems

G704B Lightweight CherryMAX® Power Tool

National Stock Number: 5130-01-393-1584

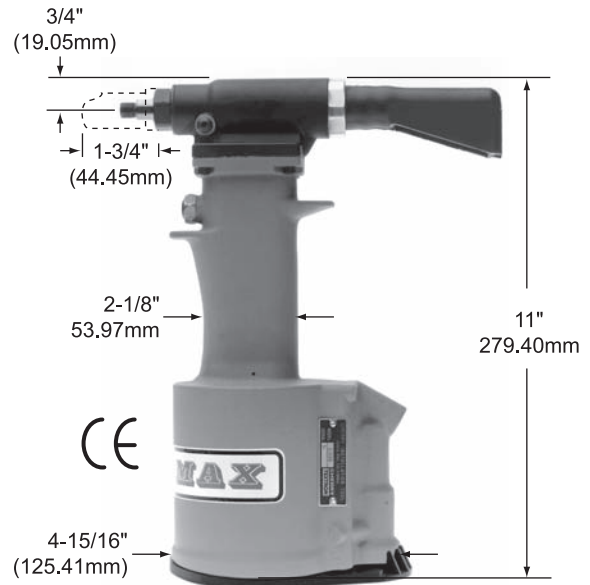
Military Part Number: M85188T2

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.

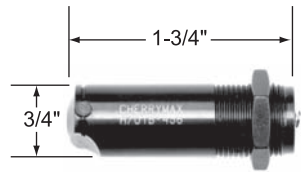
Specifications

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

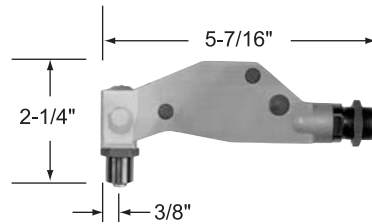
Pulling heads are not furnished with riveter and must be ordered separately.



H701B-456 Straight

NSN5130-01-393-2927

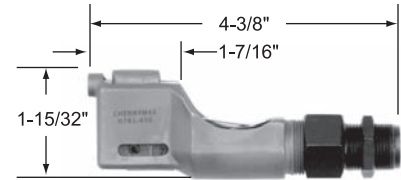
Military Part Number M85188S1



H753A-456 Right Angle

NSN5130-01-393-2926

Military Part Number M85188S2



H781-456 Offset

NSN 5130-01-393-2925

Military Part Number M85188S3

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip *
H701B-456	Straight	-	CherryMAX®	1/8, 5/32, 3/16 **	All
			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
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	All
H9015	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	All
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.

† No 3/16 aluminum. Stainless steel and Monel only. †† Serrated stems only.

TEXTRON Fastening Systems

G746A CherryMAX® Power Riveter

National Stock Number: 5130-01-338-3403

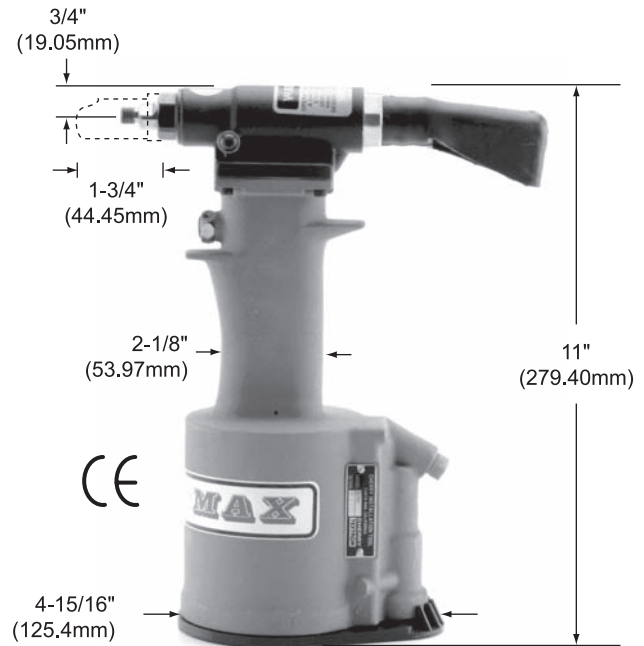
Description

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.

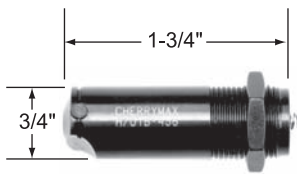
Specifications

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)

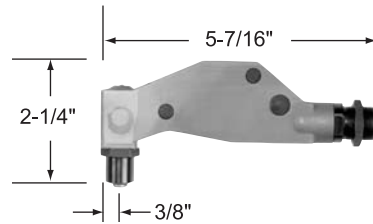


G746A pulling heads

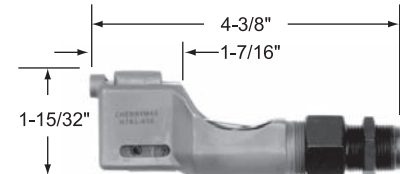
Pulling heads are not furnished with riveter and must be ordered separately.



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



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



H781-456 OFFSET
NSN 5130-01-393-2925
Military Part Number M85188S3

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	-	CherryMAX®	1/8, 5/32, 3/16 ** †††	All
			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
			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. ***Serrated stems only.

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

†† When installing CherryLOCK® 'A' rivets, the proper diameter pulling head must be used. †††Will not install 3/16" diameter Inconel 600 rivets

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G747 Lightweight CherryMAX® Power Tool

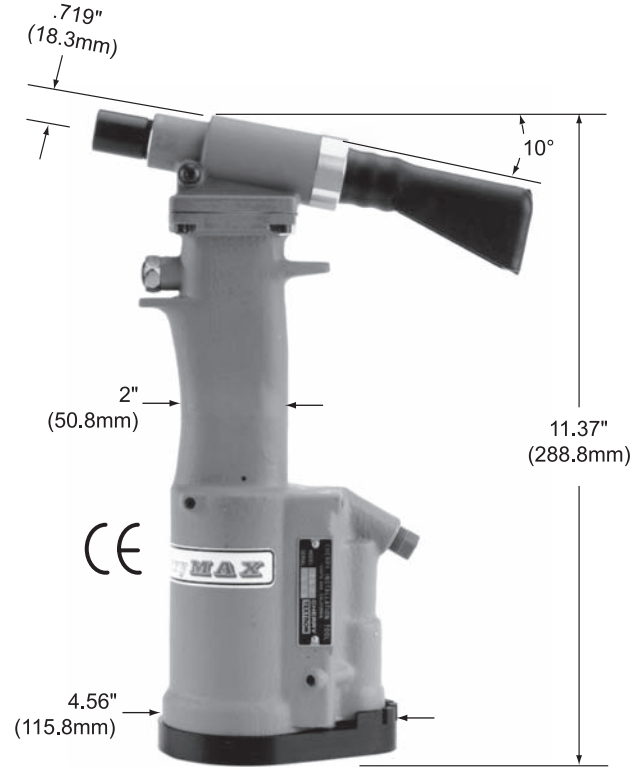
National Stock Number: 5130-01-044-7206

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.

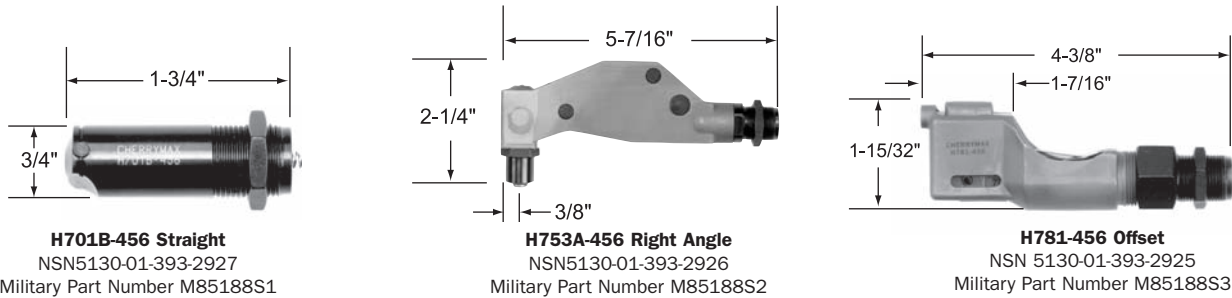
Specifications

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)



G747 Pulling Heads

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



Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Maximum Grip
H701B-456	Straight	-	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
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
			CherryMAX® 'AB'	1/8, 5/32, 3/16 †	-4 *
			SST®	1/8, 5/32, 3/16 **	All
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	All

* May be double stroked for longer grips. ** Nominal and oversize.
 *** When installing CherryLOCK® 'A' rivets, the proper diameter pulling head must be used.
 †Will not install 3/16 dia. aluminum fastener. Pulls stainless steel and Monel only. †††Serrated stems only.

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G784 Hydro-Shift CherryLOCK® Riveter

Hydro-Shift CherryLOCK® Riveter Kit
National Stock Number: 5130-00-935-4681

Description

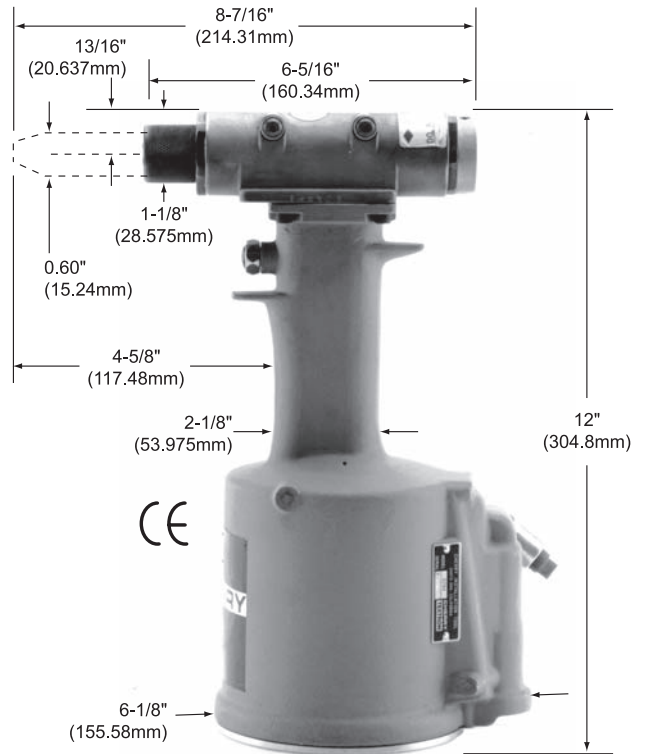
The G784 Hydro-Shift Riveter is a pneumatic-hydraulic tool designed specifically for installation of CherryLOCK® rivets. Its durable, all metal housing makes this tool extremely robust for use in shop environment. It will install nearly all diameters of CherryLOCK® rivets up to a half-inch grip, "A"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

For Standard CherryLOCK® Rivets (NAS1398 & 1399)

Pulling Head	Rivet Dia.	Aluminum		Monel		Stainless Steel	
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	CR2642	
						CR2162	CR2643
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
H681-8C	-8	8	9	8	9	-	-

For Bulbed CherryLOCK® Rivets (NAS 1738 & 1739)

Pulling Head	Rivet Dia.	Aluminum		Monel		Inconel			
		Univ. Head	Ctsk. Head	Univ. Head	Ctsk. Head	CR2839			
						CR2235	CR2239	CR2245	CR2248
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 G784 Tool

Pulling Head	Type	Adapter	Rivet	Rivet Diameters	Max. Grip
H9055-3				3/32	All
H9055-4	Straight	680B46	CherryLOCK® 'A'	1/8	8, 9*
H9055-5				5/32	8, 9*
H9055-6				3/16	8, 9*
H9015-3C				3/32	All
H9015-4C	Straight	680B46	MS	1/8	All
H9015-5C				5/32	All
H9015-6C				3/16	
H9040-4C				1/8	All
H9040-5C	Straight	680B57	MS	5/32	All
H9040-6C				3/16	All
H9040-8C				1/4	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.

*May require 95 psi (6.6 bar) air pressure at tool.

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G29 Hand Riveter

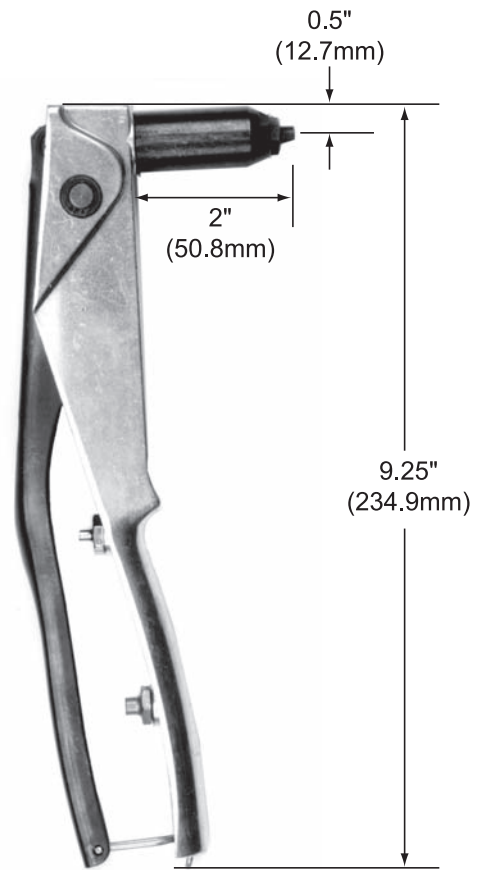
National Stock Number: 5120-01-426-6095

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 nosepiece to install 3/32" rivets and has a 728A9-104 nosepiece 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 nosepiece. Insert rivet into work with riveter nosepiece 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

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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 nosepiece. Insert the rivet into the application, holding the riveter nosepiece 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()



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G750A Lightweight Hand Riveter

National Stock Number: 5120-01-432-9361

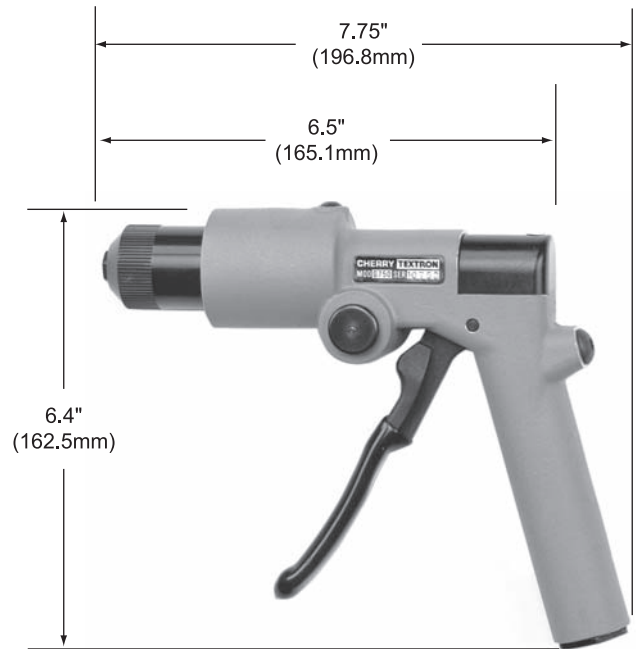
Description

The G750A 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.

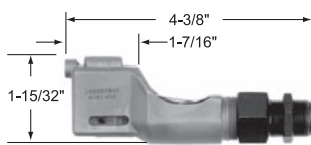
The G750A hand riveter can install a variety of blind fastener styles, diameters, head configurations, and material combinations. The G750A with the standard pulling head can install CherryMAX® and SST® blind rivets in -4, -5, -6, diameters, and -05, -06 diameter Maxibolt™ blind bolts or threaded inserts by simply changing the pulling head. The straight pulling head is provided with the tool.

Specifications

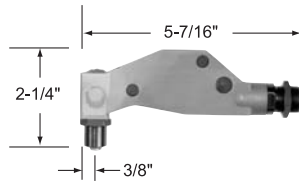
Stroke	.750 inches (19.06 mm)
Pulling Force	3800/4200 lb.
Weight	1.9 lbs. (861.8 grams)
Overall Height	6.4 inches (162.5 mm)
Overall Length	7.75 inches (196.8 mm)
Pulling Heads	Straight, offset, right angle, threaded inserts



G750A Pulling Heads and Accessories



H781-456 Offset
NSN 5130-01-393-2925
Military Part Number M85188S3



H753A-456 Right Angle
NSN5130-01-393-2926
Military Part Number M85188S2



G750ACMR HAND RIVETER TOOL KIT
NSN5120-01-432-6190
The G750ACMR hydraulic riveter tool kit includes the G750A with a straight pulling head, adapter assembly, a right angle pulling head, an offset pulling head and a sturdy plastic carrying case.

G750A 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 offset	750A-088	CherryMAX®	-4, -5, -6
		CherryMAX® 'AB'	-4, -5, -6*
		SST®	-4, -5, -6
		Maxibolt™ ("S" type)	04, 05
H753A-456 Right Angle	750A-088	CherryMAX®	-4, -5, -6
		CherryMAX® 'AB'	-4, -5, -6*
		SST®	-4, -5, -6
		Maxibolt™ ("S" type)	04, 05
H750A-8 Straight	-	CherryMAX®	-8
		CherryMAX® 'AB'	-8*

*No 3/16" or 1/4" aluminum. Pulls stainless steel and Monel only.

G750ACMR Kit Contents

Item No	Qty.	Part No.	Description
1	1	G750A	Hand Riveter (Includes Pulling Head)
2	1	H781-456	Offset Pulling Head
3	1	H753A-456	Right Angle Pulling Head
4	1	750A-088	Adapter Assembly
5	1	TLIT H781-456	H781-456 Tool Sheet
6	1	TLIT H753A-456	H753-456 Tool Sheet

Textron Fastening Systems' policy is one of continuous development. Specifications shown in this document may be subject to changes introduced after publication. For the latest information please consult Textron Fastening Systems at (714) 850-6022.

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