

# OUTIL DE POSE G84

## G84 Lightweight 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),<br>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/S <sup>2</sup>                                                   |
| Air Consumption | .29 SCF/cycle (8.21 l/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.

#### Adapters for G83/G84 tools

| Adapter †† | To Adapt To Tool Mounting System |
|------------|----------------------------------|
| 744-100    | GRE-D, S, G87-D                  |
| 744-200    | G/44                             |
| 744-300    | G704B/747/746A                   |

\* Use adapter no. 744-100 to accept pulling head design used on GRE-D, G87-D and 353 Style tools

\*\* Use of special pulling head required

\*\*\* Use 652-065 "U" type nose piece for "U" type .8 diameter

† Will not pull 3/16" aluminum CherryMAX® "AB" rivets; pulls 3/16" in Monel and stainless steel only

†† Requires removal of bayonet mount

| 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-56B                       | .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                    |

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Appr. : C . P

Distribution OPINDUS



Matériel conforme à la D.E 89/392/CEE, aux Normes EN292-1 et 2, EN294

OPINDUS : 1, Rue Maurice Audibert 69800 SAINT PRIEST Tél : 04.78.21.73.14 - Fax : 04.78.21.73.01

# G84-LS Split Riveter

## DESCRIPTION

G84-LS is a split version of the G84 riveter designed for access in hard to access structures. As such, it features an offset piston design and a mounting system different than the standard bayonet mount found on the G83A / G84 riveters. For more flexibility, the design allows for straight (in-line) and pistol grip configuration of the hand held unit.

A full range of adapters to our most common mounting systems is available, making this tool compatible with virtually all the Cherry pulling heads and attachments.

More details about this tool can be found in the tool manual (TM-G84-LS) that may be accessed on our website at [www.cherryaerospace.com](http://www.cherryaerospace.com) by selecting "Tooling Manuals" from the "Technical" drop down menu.

## SPECIFICATIONS

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Air Pressure    | 90 psi (6,2 bar) min./110 psi (7,6 bar) max.<br>at tool      |
| Stroke          | 0,530 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);<br>head only: 2.0 lbs. (0,91 kg) |
| Noise Level     | 66.5 dB (A)                                                  |
| Vibration       | 4.0 m/s <sup>2</sup>                                         |
| Air Consumption | 0.34 SCF/cycle (9,63 L/cycle)                                |

## PULLING HEAD AVAILABILITY\*

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 G83A/ G84 Bayonet         |
| 744-800  | Adaptor to H84B-568              |

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

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

For more information, visit our website at [www.cherryaerospace.com](http://www.cherryaerospace.com) by selecting "Tooling Manuals" from the "Technical" drop down menu.



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