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G746A — long stroke riveter for wiredraw rivets, 0.875 in stroke

Cherry's light duty, long stroke riveter, made for wiredraw fasteners such as CherryMAX 'AB' and CherryLOCK 'A'.

Specification

Item	Value
Type	Pneumatic-hydraulic riveter, CherryMAX mounting system
Maker	Cherry Aerospace
Air pressure	90 psi (6.2 bar) min., 110 psi (7.6 bar) max.
Stroke	0.875 in (22.23 mm)
Pulling force	1,850 lb (8.23 kN) at 90 psi
Cycle time	Approximately one second

Item	Value
Weight	4.25 lb (1.93 kg)
Noise level	72 dB(A)
Vibration	Less than 2.5 m/s²
Air consumption	0.25 SCF/cycle (7.08 L/cycle) in CA-1001; 3.9 CFM at 20 cycles/min in TM-G746A
National Stock Number	5130-01-338-3403

Part numbers

Part no.	Size	Item
G746A	Riveter	Riveter only
G746ACMR	Tool kit	G746A CherryMAX tool kit
G746A-CMRW	Tool kit	G746A CherryLOCK 'A' code tool kit

Cherry's part numbers for this tool, as the catalog lists them.

Pulling heads

Pulling head	Type	Adapter	Rivet type	Diameters
H701B-456, H747-456	Straight	—	CherryMAX, CherryMAX 'AB', MBC L/C, SST	-4, -5, -6
H753A-456	Right angle	—	CherryMAX, CherryMAX 'AB', SST	-4, -5, -6
H781A-456, H782	Offset	—	CherryMAX, CherryMAX 'AB', SST	-4, -5, -6
H747-3A, -4A, -5A, -6A	Straight	—	CherryLOCK 'A'	-3, -4, -5, -6
H9015-3C, -4C, -5C, -6C	Straight	704A9	MS and nutplate rivets	-3, -4, -5, -6
H746-4MBC, -5MBC, -6MBC	Straight	—	Standard MBC	-4, -5, -6
H704-()NP	Straight	—	Rivetless nutplate	—
H704-()NPC	Straight	—	Rivetless nutplates for composite structures	—

Pulling heads are not furnished with the riveter. H747-456, H753A-456 and H782 can be re-configured to install -6 aluminum fasteners: see their tool sheets.

Riveter grip capability

Fastener type	Grip
CherryMAX	All grips
CherryMAX 'AB'	-09
CherryLOCK 'A'	-09
Standard MBC and MBC L/C	All grips
SST	All grips
MS and nutplate rivets	All grips
MAXIBOLT, both types (U and S)	All grips
Rivetless nutplate	—

Largest grip in one stroke. Grip capability may be extended by double stroking. MBC grip as identified by NAS1719, NAS1720 and NAS1721. The G746A is only recommended for -4 and -5 diameter MAXIBOLT fasteners, due to power limitations.

G746ACMR tool kit

Part number	Item	Qty
G746A	Compact, single action riveter	1
H701B-456	Straight pulling head (-4, -5 and -6 dia.)	1
H781A-456	Offset pulling head (-4, -5 and -6 dia.)	1
H753A-456	Right angle pulling head (-4, -5 and -6 dia.)	1
269C3	CherryMAX / CherryLOCK grip selector gage	1
700A77	Hydraulic air bleeder	1
670A20	Stem catcher bag	1
P-1393	Plastic casing	1

Process manuals, reference card and tool documentation are included.

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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G746A-CMRW tool kit

Part number	Item	Qty
G746A	Long stroke, single action riveter	1
H955-3	-3 A code CherryLOCK pulling head	1
H955-4	-4 A code CherryLOCK pulling head	1
H955-5	-5 A code CherryLOCK pulling head	1
H955-6	-6 A code CherryLOCK pulling head	1
269C3	CherryMAX / CherryLOCK grip selector gage	1
700A77	Hydraulic air bleeder	1
670A20	Stem catcher bag	1
P-1393	Plastic casing	1

Process manuals, reference card and tool documentation are included.

Notes

- Pulling heads are not furnished with the riveter and must be ordered separately.
- Designed for, but not limited to, optimum installation of wiredraw fasteners (CherryMAX 'AB', CherryLOCK).

SOURCES · Cherry Aerospace, Fastening Systems for Aerospace Tool Catalog CA-1001, p. 5, 6, 20, 21 · Cherry Aerospace, Tool Manual TM-G746A, Rev. B, 3/21/17

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/tools/g746a/

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