



ARCONIC

Huck® Range Force™ Battery Tool by Makita®





The Huck® Range Force™ Battery Tool

A Portable Powerhouse For Multiple Applications and Industries

Arconic Fastening Systems and Makita® bring you industry-leading performance with the latest advancement in battery-powered and adjustable force installation tooling. The new Huck® Range Force™ battery tool* has an electronically adjustable pull force and long stroke to enable installation of structural and non-structural rivets and up to 1/4" two-piece HuckBolt® fasteners.** Along with an 18V 5Ah battery, the Huck Range Force by Makita is a force to be reckoned with in portability, reliability and versatility.



Solar



Transportation



Construction

Features and Benefits

- Electronically Adjustable Pull Force Control
- Designed for Huck Installation Nose Assemblies
- Cross-Compatibility with Other Makita 18v Batteries
- High Pull Force and Long Stroke Enable Installation of Both Structural and Non-Structural Rivets, and up to 1/4" Two-Piece HuckBolt Fasteners**

Capacity: 3/16" (4.8 mm) – 1/4" (6.4 mm)

Stroke Length: 1.18" (30 mm)

Pulling Force: BV4500-118 up to 4500 lbf (20kN)
BV2200-118 up to 2200 lbf (10kN)

Weight: 4.8 lbs with 1.5 Ah Battery - 5.5 lbs with 5 Ah Battery

Battery Pack: 18V / Li-ion / 5 Ah

Recharge Time: Approximately 45 minutes



Tool Packages & Accessories	
PART NO.	DESCRIPTION
BV2200-118K0	2200 LBF BATTERY TOOL AND CARRYING CASE
BV2200-118K2	2200 LBF BATTERY TOOL, TWO BATTERIES, ONE CHARGER, CARRYING CASE
BV4500-118K0	4500 LBF BATTERY TOOL AND CARRYING CASE
BV4500-118K2	4500 LBF BATTERY TOOL, TWO BATTERIES, ONE CHARGER AND CARRYING CASE
MB-1850	BV EXTRA BATTERY - 18V, 5AH
MCH-18-120	BV BATTERY CHARGER
BV4500RETROKIT	131646 - RUBBER PINTAIL BOTTLE
	131645 - BOTTLE ADAPTER



Adjustable pull force

Range Force Kit includes tool, 2 batteries, charger, carrying case.

* The Huck Range Force is a Lockbolt / Blind Rivet Installation Tool.

** Excludes 1/4" BOM.

Data and Dimensions

Fasteners

TYPE	NAME	MATERIALS	MAX SIZE
STRUCTURAL BLIND	AUTO-BULB™	CARBON STEEL	1/4"
		STAINLESS STEEL	1/4"
	MAGNA-BULB®	CARBON STEEL	1/4"
	MAGNA-LOK®	ALUMINUM	1/4"
		CARBON STEEL	1/4"
		STAINLESS STEEL	1/4"
	HUCKLOK®	CARBON STEEL	1/4"
BOM®	CARBON STEEL	3/16"	
HUCKBOLT	BOBTAIL®	ALUMINUM	1/4"
		ALUMINUM	1/4"
		CARBON STEEL, GR 2	1/4"
		CARBON STEEL, GR 5	1/4"
		CARBON STEEL, GR 8†	1/4"
		STAINLESS STEEL	1/4"
	C6L®	ALUMINUM	1/4"
		CARBON STEEL	1/4"
		STAINLESS STEEL	1/4"
	C120L®	CARBON STEEL†	1/4"
	MAGNA-GRIP®	ALUMINUM	1/4"
		CARBON STEEL†	1/4"
	HUCKTAINER®	STEEL†	3/8"

Nose Assemblies

PART NO.	FASTENER	SIZE
99-3303	MAGNA-LOK®, AUTO-BULB™, MAGNA-BULB®, HUCKLOK®	3/16"
99-3305	MAGNA-LOK®, AUTO-BULB™, MAGNA-BULB®, HUCKLOK®	1/4"
99-3487-6MT	MAGNA-TITE®	3/16"
99-3487-8MT	MAGNA-TITE®	1/4"
99-994	BOM®	3/16"
99-7932 99-7932CC	BOBTAIL®	1/4"
99-2555	C6L®, C120L®	3/16"
99-3417	C6L®, C120L®	1/4"
99-3201	MAGNA-GRIP®	3/16"
99-3204	MAGNA-GRIP®	1/4"
99-3464††	HUCKTAINER®	3/8"

† This high strength fastener requires elevated installation loads and, therefore, increased service frequency. If application validation requires additional endurance at the expense of ergonomics and portability, a pneumatic or hydraulic tool may be preferred.

†† Uses Adapter 131748

BV4500 Recommended Pull Force Settings***

SET POINT	PULL FORCE (LBF)	FASTENER
088	650	1/4" BOBTAIL, AL (F)
200‡	1012	1/4" BOBTAIL, AL (C)
200‡	1815	1/4" BOBTAIL, STAINLESS
220	1865	1/4" BOBTAIL, GR 2 STEEL
300	2025	1/4" BOBTAIL, GR 5 STEEL
999	4500	3/16" BOM®
999	4500	3/16" AND 1/4" AUTO BULB™, C6L®, C120L®, FLOORTIGHT®, HUCKLOK®, MAGNA-BULB®, MAGNA-GRIP®, MAGNA-LOK®, MAGNA-TITE®
999	4500	3/8" HUCKTAINER®

BV2200 Recommended Pull Force Settings***

SET POINT	PULL FORCE (LBF)	FASTENER
140	658	1/4" BOBTAIL, AL (F)
160	1190	1/4" BOBTAIL, AL (C)
190	1895	1/4" BOBTAIL, GR 2 STEEL, STAINLESS
999	2200	3/16" MAGNA-GRIP® AL, C6L AL (C)
999	2200	3/16" AUTO BULB™, FLOORTIGHT®, HUCKLOK®, MAGNA-BULB®, MAGNA-LOK®, MAGNA-TITE®
999	2200	1/4" (ALUMINUM ONLY) MAGNA-LOK®, MAGNA-TITE®

***Adjustments may be necessary based on work conditions. ‡ Collar hardness impacts pull force relationship



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Arconic Fastening Systems

Arconic Inc. (NYSE: ARNC) creates breakthrough products that shape industries. Working in close partnership with our customers, we solve complex engineering challenges to transform the way we fly, drive, build and power. Through the ingenuity of our people and cutting-edge advanced manufacturing, we deliver these products at a quality and efficiency that ensures customer success and shareholder value.



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