HDE120C

12 Ton Battery Powered Crimp Tool

DANIELS MANUFACTURING CORPORATION®

The HDE120C is a battery powered hydraulic crimp tool designed to use interchangeable MS23002-XX dies (for insulated lugs), MS90485-XX dies (for uninsulated lugs) and MS25442-XX dies (for aluminum lugs). It has an electric hydraulic system with automatic pressure relief to prevent over compression and automatic die retraction after the crimp cycle.

This tool is equivalent to DMC's TBHD1M (MS25441-1) remote hydraulic head and DMC's HD120 manual hydraulic hand tool, with added benefits of portable power and high-tech features. Users can track tool performance, users, and projects. Crimp data is viewable in real time on the LED display or can be downloaded via an app.



FEATURES

- Bluetooth® connectivity
- Tracks number and quality of crimps
- Ergonomic design allows one-handed operation
- Die automatically opens when crimp is complete
- Die can be released mid-cycle to make adjustments
- Head rotates 360°



CRIMP CAPABILITIES

- 8 to 4/0 AWG
- Max. Crimp Force: 12 Tons (106 kN)
- Avg. Crimp Time: 2 seconds
- Avg. Crimps per Charge: 150

SPECIFICATIONS

- L x W x H: 17 x 3 x 14.8 (in)
  432 x 77 x 375 (mm)
- Weight (with battery): 17.7 lb (8 kg)
- Sound Level: 75 db (A) at 1 meter
- Vibration: < 8.2 ft/s^2 (2.5 m/s^2)
- Hydraulic Oil: Shell Tellus® T-15

INCLUDED

- Carrying case
- Two 18 VDC, 3.0 Ah, Lithium Ion batteries
- One battery charger

BATTERY (Part # HDE-LI-B)

- 18 VDC, 3.0 Ah, Lithium Ion
- Charging Time: 45 minutes

BATTERY CHARGER

- 120 VAC Part # HDE-LI-120C
- 230 VAC Part # HDE-LI-230C

VAC POWER ADAPTERS

- 120 VAC Part # HDE-120AC-A
- 230 VAC Part # HDE-230AC-A

MANUAL AND PNEUMATIC VERSIONS ARE ALSO AVAILABLE



HD120



TBHD1M (MS25441-1)

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HDE120C
Die Sets for Multiple Applications

DANIELS MANUFACTURING CORPORATION®

	LUG SIZE	DMC PART #	MIL PART #	DMC GAGE PART #	MIL GAGE PART #
INSULATED LUGS*	4/0	HD002-04	MS23002-04	G729	MS23003-04
	3/0	HD002-03	MS23002-03	G282	MS23003-03
	2/0	HD002-02	MS23002-02	G728	MS23003-02
	1/0	HD002-01	MS23002-01	G727	MS23003-01
	1	HD002-1	MS23002-1	G726	MS23003-1
	2	HD002-2	MS23002-2	G281	MS23003-2
	4	HD002-4	MS23002-4	G725	MS23003-4
	6	HD002-6	MS23002-6	G724	MS23003-6
	8	HD002-8	MS23002-8	G723	MS23003-8
UNINSULATED LUGS*	4/0	HD485-04	MS90485-04	G838	MS90486-04
	3/0	HD485-03	MS90485-03	G837	MS90486-03
	2/0	HD485-02	MS90485-02	G836	MS90486-02
	1/0	HD485-01	MS90485-01	G835	MS90486-01
	1	HD485-1	MS90485-1	G834	MS90486-1
	2	HD485-2	MS90485-2	G833	MS90486-2
	4	HD485-4	MS90485-4	G722	MS90486-4
	6	HD485-6	MS90485-6	G721	MS90486-6
	8	HD485-8	MS90485-8	G720	MS90486-8
ALUMINUM LUGS*	4/0	HD442-04A	MS25442-04A	G1137	MS25472-9
	3/0	HD442-03A	MS25442-03A	G1136	MS25472-8
	2/0	HD442-02A	MS25442-02A	G1135	MS25472-7
	1/0	HD442-01A	MS25442-01A	G1134	MS25472-6
	1	HD442-1A	MS25442-1A	G1133	MS25472-5
	2	HD442-2A	MS25442-2A	G1132	MS25472-4
	4	HD442-4A	MS25442-4A	G1131	MS25472-3
	6	HD442-6A	MS25442-6A	G1130	MS25472-2
	8	HD442-8A	MS25442-8A	G1129	MS25472-1

	DMC PART #	SIZE	"A" CAVITY	"A" LENGTH	EQUIVALENT TO OR CRIMP APPLICATION	CRIMP TYPE
HD12 DIES	HD12-100	4 AWG	.189 GAGE	.400	TE 48173 or 1490413-3 & 1490414-2	"W" CRIMP
	HD12-101	2 AWG	.217 GAGE	.469	TE 48174 or 1490413-4 & 1490414-2	"W" CRIMP
	HD12-102	1/0 AWG	.247 GAGE	.500	TE 48183 or 1490413-5 & 1490414-3	"W" CRIMP
	HD12-103	3/0 AWG	.263 GAGE	.625	TE 45442	"W" CRIMP
	HD12-104	35 mm^2	.409	.750	HYPERTRONICS HBB-950-8-35-A	HEX CRIMP
	HD12-105	35 mm^2	.426	.750	HYPERTRONICS HBB-950-8-35-B	HEX CRIMP
	HD12-106	50 mm^2	.477	.750	HYPERTRONICS HBB-950-8-50-A & HBB-950-10-50-A	HEX CRIMP
	HD12-107	50 mm^2	.512	.750	HYPERTRONICS HBB-950-8-50-B & HBB-950-10-50-B	HEX CRIMP
	HD12-108	70 mm^2	.563	.750	HYPERTRONICS HBB-950-8-70-A & HBB-10-70-A	HEX CRIMP
	HD12-109	70 mm^2	.579	.750	HYPERTRONICS HBB-950-8-70-B & HBB-950-10-70-B	HEX CRIMP
	HD12-111	95 mm^2	.614	.750	HYPERTRONICS HBB-950-10-95-A	HEX CRIMP
	HD12-112	95 mm^2	.648	.750	HYPERTRONICS HBB-950-10-95-B	HEX CRIMP
	HD12-113	120 mm^2	.665	.750	HYPERTRONICS HBB-950-10-120-A	HEX CRIMP
	HD12-114	120 mm^2	.716	.750	HYPERTRONICS HBB-950-10-120-B	HEX CRIMP
	HD12-115	8 AWG	.103	0.281	TE 1490413-1 & 1490414-1	"W" CRIMP
	HD12-116	6 AWG	.158	0.341	TE 1490413-2 & 1490414-2	"W" CRIMP
	HD12-117	2/0 AWG	.278	0.625	TE 1490413-6 & 1490414-3	"W" CRIMP
	HD12-118	4/0 AWG	.350	0.625	TE 1490413-8 & 1490414-3	"W" CRIMP
	HD12-119	8 AWG	.144	0.39	BURNDY DV8L1 & Y29PL	SINGLE INDENT

*Qualified to AS5259/7 (Crimp Dies). Additional dies available, contact DMC.

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