

HXE4 BATTERY POWERED CRIMP TOOL



DESCRIPTION

The HXE4 Battery Powered Crimp Tool is a hand held, self-contained crimp tool intended to crimp copper and aluminum cable #26 to #10 AWG with DMC "Y" Dies (M22520/5-XX and others).

Hexagonal crimp dies are available in a variety of combinations having single, double, and even triple cavity design. These dies accommodate most coaxial and shielded connectors and contacts conforming to MIL-PRF-39012, AS39029, and numerous proprietary configurations.



Typical "Y" Die Set

Dies in various crimp patterns are also available for insulated and uninsulated terminal lugs, wire splices and end caps relating to AS7928, MS17143, MS25036, MS25181, MS27429, MS25274, MS20659, M81824, MS21003 through MS21015, and commercial part numbers. Several power contacts too large for conventional hand tools are also covered by interchangeable dies for the HXE4.

If your application requirement is not already covered by one of our standard dies, our engineering department will be pleased to discuss a design to suit your needs, consult DMC for details.

The HXE4 meets the requirements of RoHS Directive 2002/95/EC.

* This tool is available with an optional pre-tensioned pushrod to hold the product in the crimping position (spring loaded closed) without operator assistance.

FEATURES

- Ergonomic design allows one-handed operation
- Die automatically opens when crimp is complete
- Die can be retracted in mid-cycle to adjust connector
- Head rotates 350 degrees
- Connection point for tool balancing systems
- Red LED to display the current status of the unit

CRIMP CAPACITIES

- #26 to #10 AWG
- Max. Crimp Force: 1.5 Tons (13.3 kN)
- Avg. Crimp Time: 2 seconds
- Avg. Crimps per Charge: 150

SPECIFICATIONS

- Length: 15" (381 mm)
- Width: 2-3/8" (60 mm)
- Depth: 3-1/8" (80 mm)
- Weight (with battery): 3.18 lb (1.4 kg)
- Sound Level: 75 db(A) at 1 meter
- Vibration: <8.2 ft/s² (2.5 m/s²)
- Hydraulic Oil: Shell Tellus® T-15

TOOL INCLUDES: Carrying Case, Gage, Die Removal Tool, Two 9.6v Batteries, One Battery Charger.



BATTERY (P/N: HD-BATTERY)

- Charging Voltage: 9.6 VDC
- Charging Time: 40 minutes
- 2 batteries included with each new tool

BATTERY CHARGER (P/N: HD-110CHARGER)

- Input Voltage: 100-120 VAC, 50-60 Hz (220-240 VAC, 50-60 Hz available P/N HD-230)
- Output Voltage: 7.2-12 VDC, 3.0 A
- Trickle Charge: 60 mA
- Weight: 1.1 lb (.5 kg)



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MIL-Approved Dies (Qualified to M22520/5)

DMC P/N	MILITARY P/N	NATIONAL STOCK NO. N.S.N.	"A" CRIMP HEIGHT	LENGTH	"B" CRIMP HEIGHT	LENGTH
Y200P	M22520/5-02	5120-01-335-8244	.091	.090	.068	.270
Y196	M22520/5-03	5120-01-335-8245	.128	.325	.105	.325
Y152	M22520/5-04	5120-01-335-8246	.138	.090	.118	.270
Y197	M22520/5-05	5120-01-335-8247	.213	.325	.178	.325
Y203	M22520/5-06	5120-01-335-8248	.128	.094		
Y195	M22520/5-07	5120-01-335-8249	.255	.325		
Y215	M22520/5-08	5120-01-335-8250	.128	.375		
Y204P	M22520/5-09	5120-01-335-8251	.178	.400	.068	.093
Y189	M22520/5-10	5120-01-335-8252	.160	.400		
Y205P	M22520/5-11	5120-01-335-8253	.213	.400	.068	.093
Y206P	M22520/5-13	5120-00-133-0585	.255	.400	.068	.093
Y207P	M22520/5-15	5120-01-335-8255	.263	.400	.068	.093
Y193	M22520/5-17	5120-00-133-0597	.118	.375		
Y142	M22520/5-19	5120-01-335-8257	.255	.400	.213	.400
Y149	M22520/5-21	5120-01-335-8258	.475	.400		
Y145	M22520/5-23	5120-01-335-8259	.384	.400		
Y110P	M22520/5-25	5120-01-335-8260	.429	.400	.100	.120
Y151	M22520/5-27	5120-01-335-8261	.532	.400		
Y109P	M22520/5-29	5120-01-335-8262	.324	.400	.100	.120
Y150	M22520/5-31	5120-01-335-8263	.501	.400		
Y136	M22520/5-33	5120-01-335-8264	.343	.400	.105	.400
Y137	M22520/5-35	5120-01-335-8265	.324	.400	.128	.400
Y138	M22520/5-37	5120-01-335-8266	.314	.400	.151	.400
Y139	M22520/5-39	5120-01-335-8267	.309	.400	.160	.400
Y140	M22520/5-41	5120-01-335-8268	.290	.400	.178	.400
Y141	M22520/5-43	5120-01-335-8269	.268	.400	.197	.400
Y143	M22520/5-45	5120-01-335-8270	.231	.400	.218	.400
Y144	M22520/5-47	5120-01-335-8271	.359	.400		
Y146	M22520/5-49	5120-00-133-0644	.401	.400		
Y147	M22520/5-51	5120-00-116-3040	.431	.400		
Y148	M22520/5-53	5120-01-335-8294	.454	.400		
Y102	M22520/5-55	5120-01-335-8295	.324	.400		
Y209P	M22520/5-57	5120-01-335-8296	.213	.400	.100	.120
Y208P	M22520/5-59	5120-01-335-8297	.255	.400	.100	.120
Y178	M22520/5-61	5120-01-335-8298	.429	.400		
Y314P	M22520/5-63	5120-01-335-8299	.263	.400	.091	.090
Y501	M22520/5-100	5120-00-126-0860	Pre-Insulated Terminal Crimp 26-10 AWG			
Y527	M22520/5-101	5120-01-335-8301	Pre-Insulated Splice Crimp 26-20 AWG			
Y539	M22520/5-102	5120-01-335-8302	Splice Crimp 12-16 AWG			
Y540	M22520/5-103	5120-01-335-8303	Splice Crimp 16-26 AWG			



Non-military dies are available for a range of applications.

Consult DMC for details.

Adjustable Dies for Terminals & Splices

COLOR	SIZE	P/N
Red/Blue/Yellow	26-10	Y501
Yellow	12-10	Y670
Blue	16-14	Y671
Red	22-18	Y672
Yellow	26-24	Y678
Red/Blue	22-14	Y1060

Adjustable Crimping Dies accept terminations which conform to AS7928, AS25036 (class 1 and 2) and other military or commercial specifications.