

HX33 Pneumatic Open Frame Crimp Tool

DMC DANIELS
MANUFACTURING
CORPORATION



The **HX33** is a bench top pneumatic crimp tool that features full pneumatic operation. Standard clean, dry shop air at 87-115 psi is all that is required to operate the **HX33** tool. There are no electrical or hydraulic requirements.

FULL CYCLE CONTROL

The **HX33** features a mechanical cycle control design which triggers release of the dies after full cycle. This ensures consistent crimp quality.

INTERCHANGEABLE CRIMP DIES

The **HX33** accommodates most M22520/5-XX military and DMC® "Y" series crimp dies. This affords utilization of existing dies and interchangeability with the M22520/5-01 (DMC HX4) hand tool.

HANDS-FREE OPERATION

The foot pedal activation allows the user to have both hands free to hold the items to be crimped.

SAFETY FEATURES

The **HX33** is equipped with a transparent safety guard and an emergency release button to open the crimping jaws in the event of blocked jaws caused by operation, handling errors, or wrongly placed terminals. The **HX33** foot valve assembly is constructed with a protective shroud to prevent accidental actuation.

SPECIFICATIONS

- Foot Pedal Activation
- Full Cycle Control
- CE Marked
- In-Line Die Closure
- Accepts Most "Y" Dies
- Safety Guard
- Dimensions: 11.8" L x 4.9" W x 10.2" H
- Weight With Foot Pedal: 32 lbs
- Crimp Force: 4800 lb @ 115 PSI
- Cycle Time ~ 3 seconds



The HX33 uses "Y" Series Dies

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Dies in various crimp patterns (confined crescent, half crescent, hex, circle, F-crimp indent) are available for AS39029 shielded contacts, AS39012 coaxial connectors, AS7928 terminals and splices, and other commercial and military terminating components.



Adjustable Dies for Terminals & Splices

COLOR	SIZE	P/N
Yellow	10-12	Y670, Y1117
Blue	16-14	Y671, Y1116
Red	22-18	Y672, Y1115
Yellow	26-24	Y678
Red/Blue	22-14	Y1060
Yellow/White	26-20	Y1061
Adjustable insulation crimping dies accept terminations which conform to AS7928, AS25036 (class 1 and 2) and other military or commercial specifications.		

DIE PART NUMBER			DIE DIMENSIONS			
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	5120-01-335-8254	.255	.400	.068	.093
Y207P*	M22520/5-15	5120-01-335-8255	.263	.400	.068	.093
Y193	M22520/5-17	5120-01-335-8256	.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	5120-01-335-8292	.401	.400		
Y147	M22520/5-51	5120-01-335-8293	.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	5120-01-335-8300	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			
Y631	M22520/5-105	5120-01-343-0999	Intermediate and Outer Contacts for M39029/90-529, /91-530, /113-625, /114-628			
Y1115	M22520/5-106	N/A	Pre-Insulated M25036 Terminal Crimp 22-18 AWG			
Y1116	M22520/5-107	N/A	Pre-Insulated M25036 Terminal Crimp 16-14 AWG			
Y1117	M22520/5-108	N/A	Pre-Insulated M25036 Terminal Crimp 12-10 AWG			

*Die part numbers ending in "P" indicate that the die set has an alignment guide pin.