

# HX33 Pneumatic Crimp Machine



## COMPATIBLE WITH EXISTING CRIMP DIES

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

Utilizing the enclosed foot pedal, the crimping cycle of the **HX33** is activated and allows the operator to have both hands free to insert the item to be crimped. All **HX33** crimp tools are equipped with a positive closing mechanism to ensure consistent crimp quality.

## OPERATOR SAFETY FEATURES

The **HX33** is equipped with a transparent guard for protection which does not restrict vision. The **HX33** foot valve assembly is constructed with a protective shroud to prevent accidental actuation. For operation the operator places their foot under the shroud on the pedal and depresses the pedal.

## SPECIFICATIONS

- Foot Pedal Activation
- Full Cycle Control
- CE Marked
- In-Line Die Closure
- Accepts Most "Y" Dies
- Dimensions: 11.8"L x 4.9"W x 10.2"H
- Weight With Foot Pedal: 32lbs
- Crimp Force: 4000lb @ 90PSI
- Cycle Time ~ 3 seconds



The HX33 uses "Y" Series Dies

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Dies in various crimp patterns are available for AS39029 shielded contacts, AS39012 coaxial connectors, AS7928 terminals and splices, and other commercial and military terminating components.

## FULL PNEUMATIC OPERATION

Standard clean, dry shop air at pressure is all that is required to operate the **HX33** tool. There are no electrical or hydraulic requirements.

The **HX33** has an emergency release button that will open the crimping jaws in the event of blocked jaws caused by operation, handling errors, or wrongly placed terminals.



Emergency Stop Button (red button)

Adjustable Dies for Terminals & Splices		
COLOR	SIZE	P/N
Yellow	10-12	Y670
Blue	16-14	Y671
Red	22-18	Y672
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			
Y692	M22520/5-104	N/A	ARINC Size 8 Triaxial Contact Assemblies			
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.  
\*\*Contact DMC for QPL status.