

# 51 Series

## 6 Ton Form Crimp Tools

The **HD51** and **XHD51** hydraulic crimp tools are intended to crimp terminals onto copper and aluminum cables with DMC's HD51 die sets. These small hand-held tools provide 6 tons of crimp force and crimp up to 2/0 AWG conductors in many applications. Both tools feature an automatic relief valve to prevent over-compression.

### CRIMP CAPABILITIES

- Up to 2/0 AWG for uninsulated terminals
- Up to 2 AWG for insulated terminals
- 12 to 2/0 AWG in many power applications
- .700 (17.78 mm) in coaxial hexagonal crimping

The HD51 hydraulic crimper features rugged construction and comfortable handle grips for the best ergonomic advantage. The number of handle closures required to complete the crimp is reduced by the larger and more efficient hydraulic pump system. The DMC1383 tool kit contains the HD51 hand tool and 12 dies for crimping insulated and uninsulated terminals and splices size 8 through 2/0 AWG.



**HD51 (M5259/5-01)\***

### HD51 FEATURES

- L x W x H: 14 x 2 x 5 (in) 356 x 50.8 x 127 (mm)
- Weight: 4.6 pounds (2.08 kg)
- Release lever for relaxing crimp pressure and opening dies
- 180° rotating head for ease in confined work areas.

The XHD51 remote hydraulic crimp head is the preferred solution for high volume application on production lines and maintenance rework centers. The crimp head can be mounted in a stationary position with a bench mount (Part # XHD51-BM), or used as a hand-held tool. A powered or manual pump provides the hydraulic power to the remote crimping head.



**XHD51 (M5259/4-01)\***

### XHD51 FEATURES

- L x W x H: 9 x 2 x 2.75 (in)  
180.3 x 50.8 x 69.85 (mm)
- Weight 3.85 pounds (1.74 kg)

\*QPL Pending



**HDE51C**  
Battery Equivalent

DMC offers several 10 ksi pumps to power the XHD51 crimp head. Two powered pumps: the **HPU13M** battery powered pump, and the **HPU11M** pneumatic powered pump. Two portable manual options: the **HPU12M** hand pump and the **HPU15M** foot pump. All pumps include a heavy duty, ten-foot long hose and heavy duty couplings equipped with screw-on MS fittings and dust covers to complete the connection between pump and crimper (Part # **12-4040**).



**HPU13M**



**HPU11M**



**HPU12M**



**HPU15M**

### HD51 DIES

DMC P/N	SIZE (AWG)	APPLICATION	CRIMP TYPE	MILITARY GAGE P/N	DMC GAGE P/N	A. CAVITY	A. LENGTH	B. CAVITY	B. LENGTH
HD51-118N	8	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-001	G1150*	.115	.312		
HD51-119N	6	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-002	G1151*	.126	.312		
HD51-120N	4	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-003	G1152*	.131	.312		
HD51-121N	2	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-004	G1153*	.190	.312		
HD51-123N	1/0	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-005	G1154*	.275	.470		
HD51-124N	2/0	Uninsulated AS7928 Copper Terminals and AS7974 Contacts	Double Indent	M5259/6-006	G1155*	.320	.470		
HD51-131	2 & 8	Uninsulated Terminals	Female Nest	N/A	G747 (2 AWG) G744 (8 AWG)	R .275	.312	R .145	.312
HD51-132	4 & 6	Uninsulated Terminals	Female Nest	N/A	G746 (4 AWG) G745 (6 AWG)	R .219	.312	R .188	.312
HD51-133	2 & 8	Insulated Terminals	Confined Crescent	N/A	G801 (2 AWG) G682 (8 AWG)	.312		.170	
HD51-134	4 & 6	Insulated Terminals	Confined Crescent	N/A	G684 (4 AWG) G683 (6 AWG)	.202		.254	
HD51-138	2	Uninsulated Terminals Functional Equiv. MS90485-2	Hex	N/A	G833	.377	.435		
HD51-192*	8	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-08	G720	.210	.310		
HD51-193*	6	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-06	G721	.240	.310		
HD51-194*	4	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-04	G722	.299	.372		
HD51-195*	2	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-02	G833	.377	.435		
HD51-196*	1	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-01	G834	.417	.435		
HD51-197*	1/0	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-01	G835	.456	.435		
HD51-198*	2/0	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Hex	MS90486-02	G836	.500	.470		
HD51-199*	8	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-001	G1150*	.115	.312		
HD51-200*	6	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-002	G1151*	.126	.312		
HD51-201*	4	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-003	G1152*	.131	.312		
HD51-202*	2	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-004	G1153*	.190	.312		
HD51-203*	1/0	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-005	G1154*	.275	.470		
HD51-204*	2/0	Uninsulated Copper AS7928 Terminals, AS39029 Contacts, & AS7974 Contacts	Indent	M5259/6-006	G1155*	.320	.470		
HD51-205*	8	Insulated Copper AS7928 Terminals	Confined Crescent	MS23003-8	G723	.170	.250		
HD51-206*	6	Insulated Copper AS7928 Terminals	Confined Crescent	MS23003-6	G724	.202	.312		
HD51-207*	4	Insulated Copper AS7928 Terminals	Confined Crescent	MS23003-4	G725	.254	.375		
HD51-208*	2	Insulated Copper AS7928 Terminals	Confined Crescent	MS23003-2	G281	.312	.470		

