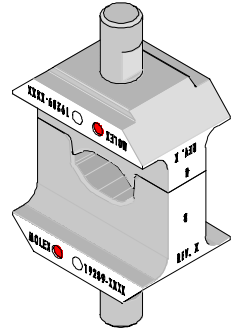




## Crimp Tooling Specification Sheet HHL Tooling Kit No. 19289-0004 Engineering No. HHL-E-720



### SCOPE

**Tooling:** HHL Tooling Kits are used with Hydraulic Head Crimper with Air/Hydraulic Pump (19286-0117) or Hydraulic Head Crimper with Electric Hydraulic Pump (19286-1300). Refer to the appropriate tool instruction manual for installation and operation information.

**Products:** InsulKrimp® and NylaKrimp® Ring Tongue Terminals and Splices 6 AWG.

Refer to the Product part number charts on this sheet for terminals with the barrel and tongue styles listed above.

### Testing

#### Mechanical

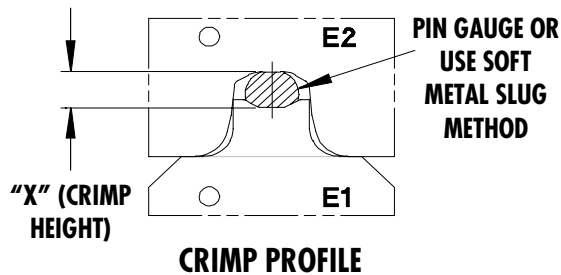
The tensile test or pull test is a means of evaluating the mechanical properties of the crimped connections. The following charts show the UL Specifications for various wire sizes. The tensile strength is shown in pounds and indicates the minimum acceptable force to break or separate terminal from the conductor.

Color Code	Wire Size (AWG)	*UL - 486 A	*UL - 486 C	**MIL-T-7928
Blue	6	100	50	300

\*UL - 486 A - Terminals (Copper Conductors only)

\*UL - 486 C – Butt Splices, Parallel Splices, and Closed end Connectors

\*\*MIL-T-7928 - Military Approved Terminals only as listed



Use gauge pins or soft metal slug (solder) method to measure the "X" dimension. Verify tooling crimp height calibration by referring to the Go/No Go dimensions shown in the chart below.

Molex does not sell gauge pins contact your local industrial supplier.

Wire Range		"X" Dimension Conductor Crimp						Crimp Inspection Marking
		Mean		Go		No Go		
AWG	mm <sup>2</sup>	In	mm	In	mm	In	mm	
6	10.5-16.8	.251	6.38	.245	6.22	.257	6.53	—

The following is a Partial List of the Product Part Numbers and their specifications that this tooling is designed to crimp. We will be adding to this list and an up to date copy is available on [www.molex.com](http://www.molex.com).

Wire Size: 6 AWG-10.5-16.8mm <sup>2</sup> CMA 20,800-33,100					
Terminal No.	Terminal Eng No. (REF)	Wire Strip Length		Insul. Dia. Max.	
		In	mm	In	mm
19063-0048	E-757-08	.468	11.91	.345	8.76
19063-0050	E-757-10	.468	11.91	.345	8.76
19063-0052	E-757-14	.468	11.91	.345	8.76
19063-0057	E-757-56R90	.468	11.91	.345	8.76
19063-0059	E-757-76	.468	11.91	.345	8.76
19063-0061	E-758-10	.468	11.91	.345	8.76
19063-0062	E-758-12	.468	11.91	.345	8.76
19063-0063	E-758-14	.468	11.91	.345	8.76
19063-0064	E-758-38	.468	11.91	.345	8.76
19063-0065	E-758-56	.468	11.91	.345	8.76
19063-0066	E-758-58	.468	11.91	.345	8.76
19063-0067	E-758-76	.468	11.91	.345	8.76
19063-0068	E-759-34	.468	11.91	.345	8.76
19063-0069	E-760-08	.468	11.91	.345	8.76
19063-0071	E-760-10	.468	11.91	.345	8.76
19063-0073	E-760-14	.468	11.91	.345	8.76
19063-0074	E-760-14R90	.468	11.91	.345	8.76
19063-0076	E-760-56	.468	11.91	.345	8.76
19063-0164	E-759-76	.468	11.91	.345	8.76
19067-0043	E-957-08	.468	11.91	.428	10.87
19067-0045	E-957-10	.468	11.91	.428	10.87
19067-0047	E-957-14	.468	11.91	.428	10.87
19067-0049	E-957-14UB	.468	11.91	.428	10.87
19067-0052	E-957-38	.468	11.91	.428	10.87
19067-0055	E-957-56	.468	11.91	.428	10.87
19067-0059	E-957-76	.468	11.91	.428	10.87
19067-0061	E-958-12	.468	11.91	.428	10.87
19067-0062	E-958-14	.468	11.91	.428	10.87
19067-0063	E-958-38	.468	11.91	.428	10.87
19067-0064	E-958-58	.468	11.91	.428	10.87
19067-0065	E-958-76	.468	11.91	.428	10.87
19067-0066	E-959-34	.468	11.91	.428	10.87
19067-0067	E-960-08	.468	11.91	.428	10.87
19067-0069	E-960-10	.468	11.91	.428	10.87
19067-0071	E-960-14	.468	11.91	.428	10.87
19067-0073	E-960-56	.468	11.91	.428	10.87
19070-0157	E-257-14X	.468	11.91	.440	11.18
19070-0276	E-257-56X	.468	11.91	.440	11.18
19071-0185	E-657-08X	.468	11.91	.440	11.18
19071-0188	E-657-10X	.468	11.91	.440	11.18
19071-0190	E-657-14X	.468	11.91	.440	11.18
19071-0193	E-657-38X	.468	11.91	.440	11.18

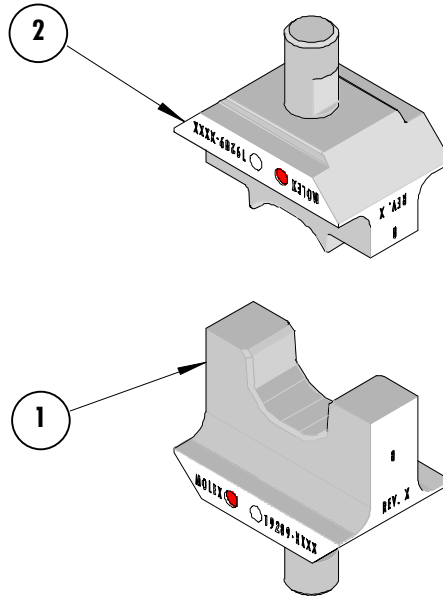
Wire Size: 6 AWG-10.5-16.8mm <sup>2</sup> CMA 20,800-33,100					
Terminal No.	Terminal Eng No. (REF)	Wire Strip Length		Insul. Dia. Max.	
		In	mm	In	mm
19071-0196	E-657-56X	.468	11.91	.440	11.18
19071-0200	E-658-10X	.468	11.91	.440	11.18
19071-0201	E-658-12X	.468	11.91	.440	11.18
19071-0203	E-658-14X	.468	11.91	.440	11.18
19071-0204	E-658-38X	.468	11.91	.440	11.18
19071-0206	E-658-56X	.468	11.91	.440	11.18
19071-0207	E-658-58X	.468	11.91	.440	11.18
19071-0208	E-658-76X	.468	11.91	.440	11.18
19071-0210	E-659-12X	.468	11.91	.440	11.18
19071-0211	E-659-14X	.468	11.91	.440	11.18
19071-0212	E-659-34X	.468	11.91	.440	11.18
19071-0213	E-659-38X	.468	11.91	.440	11.18
19071-0214	E-659-56X	.468	11.91	.440	11.18
19071-0215	E-659-58X	.468	11.91	.440	11.18
19071-0216	E-659-76X	.468	11.91	.440	11.18
19071-0217	E-660-08R45	.468	11.91	.440	11.18
19071-0218	E-660-08X	.468	11.91	.440	11.18
19071-0220	E-660-10R45	.468	11.91	.440	11.18
19071-0221	E-660-10X	.468	11.91	.440	11.18
19071-0222	E-660-10XR90	.468	11.91	.440	11.18
19071-0224	E-660-14R45	.468	11.91	.440	11.18
19071-0225	E-660-14X	.468	11.91	.440	11.18
19071-0226	E-660-14XR90	.468	11.91	.440	11.18
19071-0228	E-660-56R45	.468	11.91	.440	11.18
19071-0229	E-660-56X	.468	11.91	.440	11.18
19071-0377	E-657-56XR90	.468	11.91	.440	11.18
19154-0045	E-662X	.437	11.11	.230	5.84
19154-0047	ED-662X	.437	11.11	.435	11.05
19202-0055	E-762	.437	11.11	.342	8.69
19206-0013	E-661X	.437	11.11	.230	5.84
19207-0007	E-761	.468	11.91	.345	8.76

<b>MILITARY</b>					
Wire Size: 6 AWG 10-5-16.8mm <sup>2</sup> CMA 20,800-33,100					
Terminal No.	Terminal Eng No. (REF)	Wire Strip Length		Insul. Dia. Max.	
		In	mm	In	mm
19063-0054	E-757-38	.468	11.91	.345	8.76
19063-0056	E-757-56	.468	11.91	.345	8.76
19063-0071	E-760-10	.468	11.91	.345	8.76
19063-0073	E-760-14	.468	11.91	.345	8.76

**CAUTION: Molex crimp specifications are valid only when used with Molex terminals and tooling.**

## Parts List

Item	Order No.	Engineering No.	Description	Qty
	<b>19289-0004</b>	<b>HHL-E-720</b>	<b>HHL Tooling Kit</b>	<b>REF</b>
1	19289-0006	HHL-E-720-E2	Conductor Punch	1
2	19289-0005	HHL-E-720-E1	Conductor Anvil	1



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