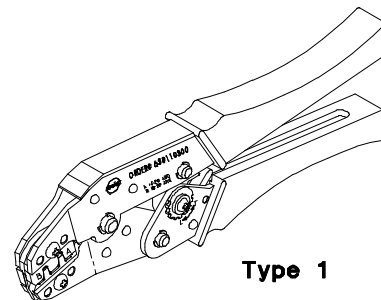




HAND CRIMP TOOL SPECIFICATION SHEET

Order No. 11-01-0185
Engineering No. CR2262C



Type 1

FEATURES

- Small handle spread which make this style tool ideally suited for end users
- Ratchet with safety release that ensures consistent performance
- A precision user-friendly terminal locator wire stop holds terminals in the proper crimping position

SCOPE

Products: 3.96mm (.156") Pitch KK® Crimp Terminal for 22-30 AWG,
1.57mm (.062") Diameter, Standard .062" Pin and Socket Crimp Terminal for 24-30 AWG,
2.50mm (.098") Pitch SPOX™ Wire-to-Wire Male Crimp Terminal for 22-28 AWG,
KK® Anti Fish Hook and KK® Cat Ear Crimp Terminal for 22-30 AWG,
MINI KK® Crimp Receptacles for 22-30AWG,

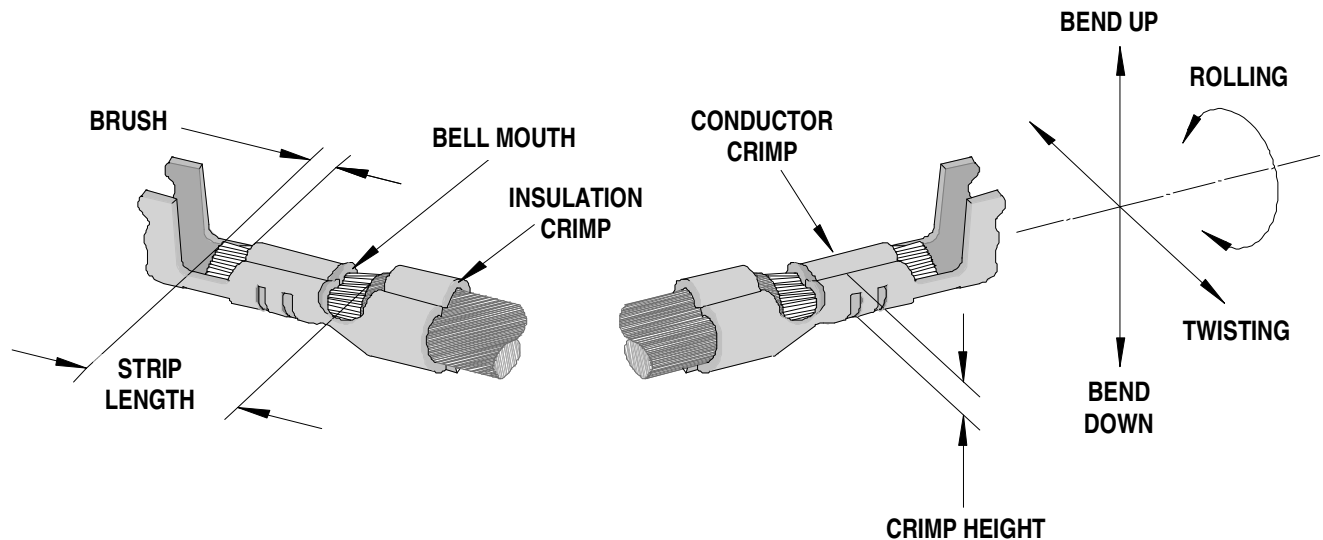
The following is a partial list of the product part numbers and their specifications that this tool is designed to run. We will be adding to this list and an up to date copy is available on www.molex.com

Terminal Series No.	Terminal Order No.				Wire Size		Insulation Diameter		Strip Length	
	Loose Piece		* Reel		AWG	mm ²	mm	In.	mm	In.
1854	02-06-2132	02-06-6144	02-06-2131	02-06-6143	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
	02-06-6135	04-01-0811	02-06-6130	04-01-0809						
	02-06-6136	39-00-0335	02-06-6137	39-00-0280						
	02-06-6139	39-00-0337	02-06-6138	39-00-0336						
1855	02-06-1132	02-06-5148	02-06-1131	02-06-5147	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
	02-06-1143	04-01-0812	02-06-1141	04-01-0810						
	02-06-5135	39-00-0339	02-06-5130	39-00-0338						
	02-06-5139	39-00-0341	02-06-5138	39-00-0340						
2189	02-06-1232		02-06-1231	02-06-5203	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
	02-06-3203		02-06-1233	02-06-5212						
	02-06-5204		02-06-3202							
2190	02-06-2232		02-06-2231	02-06-6207	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
	02-06-4203		02-06-4202							
2717			02-06-1140		24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
2759	08-50-0114	39-00-0107	08-50-0113	08-55-0130	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
	08-50-0160	39-00-0373	08-50-0124	08-56-0109						
	08-50-0275	39-00-0375	08-50-0159	39-00-0032						
	08-51-0102	39-00-0377	08-50-0273	39-00-0064						
	08-55-0102	39-00-0379	08-50-0274	39-00-0372						
	08-55-0131	39-00-0381	08-51-0101	39-00-0374						
	08-56-0110	50-29-1638	08-51-0108	39-00-0376						
	39-00-0033		08-55-0101	39-00-0378						
			08-55-0101	39-00-0380						
			08-55-0126	50-29-1757						
2951	16-02-1003		16-02-1002		24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
40445	08-50-0322	97-00-0445	08-50-0321	97-00-0444	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
		97-00-0921		97-00-0920						

Terminal Series No.	Terminal Order No.				Wire Size		Insulation Diameter		Strip Length	
	Loose Piece		* Reel		AWG	mm ²	mm	In.	mm	In.
41572	08-65-0805		08-65-0804		22-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
4559			02-06-1109	02-06-5211	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
			02-06-1111							
4809	08-50-0032	08-56-0115	08-50-0021	08-56-0120	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
	08-50-0136	40-01-0830	08-50-0022	08-56-0155						
	08-55-0111	97-00-0451	08-50-0030	08-56-0158						
			08-50-0031	40-01-0829						
			08-50-0135	40-01-0831						
			08-55-0110	97-00-0001						
			08-55-0112	97-00-0450						
			08-55-0119							
5159	08-70-0049	08-70-0069	08-70-0048	08-70-0064	24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
5241	08-70-0103		08-70-0102		22-28	.035-0.08	1.15-1.90	.045-.075	2.60-3.20	.102-.126
6459	08-52-0122	08-65-0814	08-52-0101	08-65-0813	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
	08-52-0123	08-65-0816	08-52-0118	08-65-0815						
	08-65-0812	08-65-0818	08-52-0121	08-65-0817						
			08-65-0801	40-07-0815						
			08-65-0811							
6796	02-06-1138		02-06-1137		24-30	0.20-0.05	1.02-2.29	.040-.090	3.17-3.96	.125-.156
7879	08-50-0005	50-29-1745	08-50-0004	50-29-1635	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
	08-55-0127		08-55-0124	50-29-1744						
	08-55-0129		08-55-0128	50-29-1900						
8088	08-52-0104	97-00-0226	08-52-0103	97-00-0225	22-30	0.35-0.05	1.02-1.57	.040-.062	2.54-3.17	.100-.125
	08-65-0106	97-00-0228	08-65-0105	97-00-0227						

* Follow the Cut-Off Tab specifications on Applicator specification sheets.

DEFINITION OF TERMS



The above terminal drawing is a generic terminal representation. It is not an image of a terminal listed in the scope.

CONDITIONS:

After crimping, the conductor profiles should measure the following (see notes on page 6).

Terminal Series No.	Wire Size		Conductor Crimp Height (REF)		Conductor Crimp Width		Pull Force Minimum		Profile	
	AWG	mm ₂	mm	In.	mm	In.	N	Lb.	A	B
1854	24	0.20	0.76-0.86	.030-.034	1.40	.055	35.6	8.00	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	22.2	4.99		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	13.3	2.99		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	8.9	2.00		X
1855	24	0.20	0.76-0.86	.030-.034	1.40	.055	35.6	8.00	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	22.2	4.99		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	13.3	2.99		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	8.9	2.00		X
2189	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
2190	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
2717	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
2759	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
2951	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
40445	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
41572	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
4559	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
4809	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X

Terminal Series No.	Wire Size		Conductor Crimp Height (REF)		Conductor Crimp Width		Pull Force Minimum		Profile	
	AWG	mm ₂	mm	In.	mm	In.	N	Lb.	A	B
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
5159	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
5241	22	0.35	0.76-0.86	.030-.034	1.40	.055	39.2	8.80	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	29.4	6.60	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	19.6	4.40		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	9.8	2.20		X
6459	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
6796	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
7879	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X
8088	22	0.35	0.76-0.86	.030-.034	1.40	.055	44.8	10.00	X	
	24	0.20	0.76-0.86	.030-.034	1.40	.055	28.9	6.50	X	
	26	0.12	0.71-0.81	.028-.032	1.40	.055	17.8	4.00		X
	28	0.08	0.69-0.79	.027-.031	1.40	.055	11.1	2.50		X
	30	0.05	0.69-0.79	.027-.031	1.40	.055	6.7	1.50		X

OPERATION

CAUTION: Install only Molex terminals listed above with this tool. Do not crimp hardened objects as damage can occur to the tool or die.

Open the tool by squeezing the handles together, at the end of the closing stroke, the ratchet mechanism will release the handles, and the hand tool will spring open.

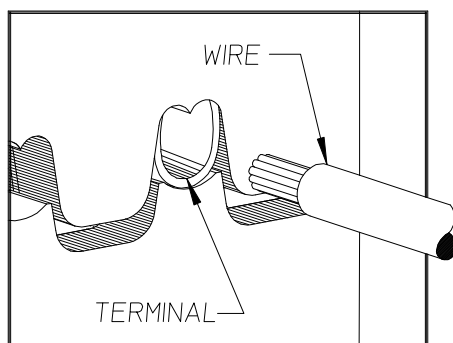


Figure 1

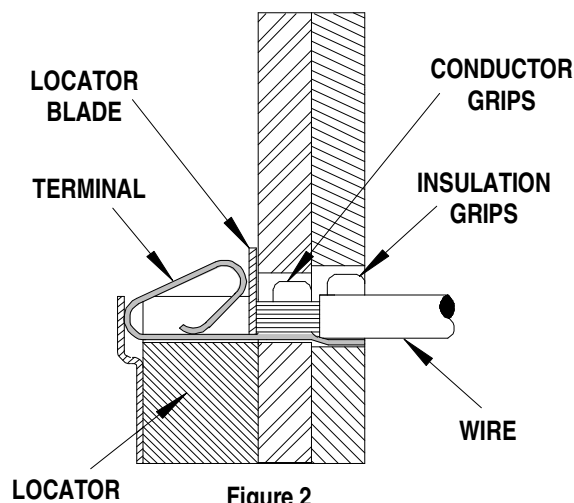


Figure 2

* The above terminal drawing is a generic terminal representation. It is not an image of a terminal listed in the scope.

Crimping Terminals

1. Lift the locator blade and place the terminal into the correct die profile (A or B), release the locator blade. Not all tools are equipped with a locator or locator blade.
2. Partially close the tool until the terminal is held in place. See Figure 2.
3. Insert the proper wire over the terminal and up against the locator blade. See Figure 3. On tools without locators line the wire up with the conductor and insulation grips visually.
4. Compress the terminal by squeezing the tool handles until the ratchet mechanism cycle has been completed. Release handles to open the jaws. See Figure 4.

Note: The tamper proof ratchet action will not release the tool until it has been fully closed.

5. Lift the locator blade or wire stop up.
6. Carefully remove the crimped terminal.

Maintenance

It is recommended that each operator of the tool be made aware of, and responsible for, the following maintenance steps:

1. Remove dust, moisture, and other contaminants with a clean brush, or soft, lint free cloth.
2. Do not use any abrasive materials that could damage the tool.
3. Make certain all pins; pivot points and bearing surfaces are protected with a thin coat of high quality machine oil. Do not oil excessively.
4. When tool is not in use, keep the handles closed to prevent objects from becoming lodged in the crimping dies, and store the tool in a clean, dry area.

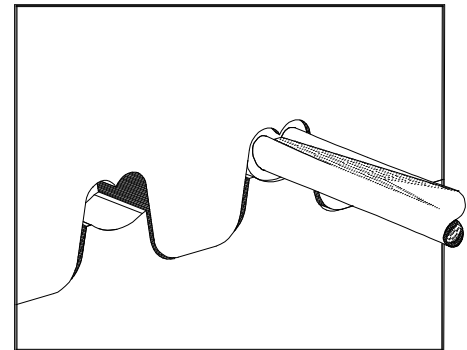


Figure 3

Miscrimps or Jams

Should this tool ever become stuck or jammed in a partially closed position, **Do Not force the handles open or closed.** The tool will open easily by pressing the ratchet release lever. See Figure 4.

How to Adjust Tool Crimp Force (See Figure 4)

It may be necessary over the life of the tool to adjust tool-crimping force. Listed below are the steps required to adjust the crimping force of the hand tool to obtain proper crimp conditions:

1. Remove the screw and washer. Located over the adjustment ring.
2. Lift the adjusting ring slightly, off of the locating pin.
3. Turn the adjusting ring in the desired direction (L= less force, T= more force) to increase or decrease crimp pressure.
4. Press the adjusting wheel flat against the tool and engage the locking pin.
5. Replace the washer and screw.
6. Check the crimp specifications after tool crimp force is adjusted.

Warranty

This tool is for electrical terminal crimping purposes only. This tool is made of the best quality materials. All vital components are long life tested. All tools are warranted to be free of manufacturing defects for a period of 30 days. Should such a defect occur, we will repair or exchange the tool free of charge. This repair or exchange will not be applicable to altered, misused, or damaged tools. This tool is designed for hand use only. Any clamping, fixturing, or use of handle extensions voids this warranty.

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

CAUTIONS

1. Manually powered hand tools are intended for low volume or field repair. This tool is **NOT** intended for production use. Repetitive use of this tool should be avoided.
2. Insulated rubber handles are not protection against electrical shock.
3. Wear eye protection at all times.
4. Use only the Molex terminals specified for crimping with this tool.

Certification

Molex does not certify or re-certify commercial grade hand tools but rather supplies the following guidelines for customers to re-certify hand tools.

- % This tool is qualified to pull force only. To re-certify, crimp a terminal to a wire, which has been stripped 12.7mm (1/2") long, so there is no crimping of the insulation. Pull the terminal and wire at a rate no faster than 25mm (1.00") per minute. See the Molex web site for the Quality Crimp Handbook for more information on pull testing.
- % If the tool does not meet minimum pull force values, handle preload should be increased and the pull test rerun, (See How to Adjust Preload).
- % When the hand tool is no longer capable of achieving minimum pull force, it should be taken out of service and replaced.

PARTS LIST

Item Number	Order Number	Description	Quantity
1	11-11-0311	Locator Assembly**	1
2	11-11-0324	Spring (Main)	1
3	11-11-0320	Spring (Ratchet)	1

** Not all tools are equipped with a locator or locator blade.

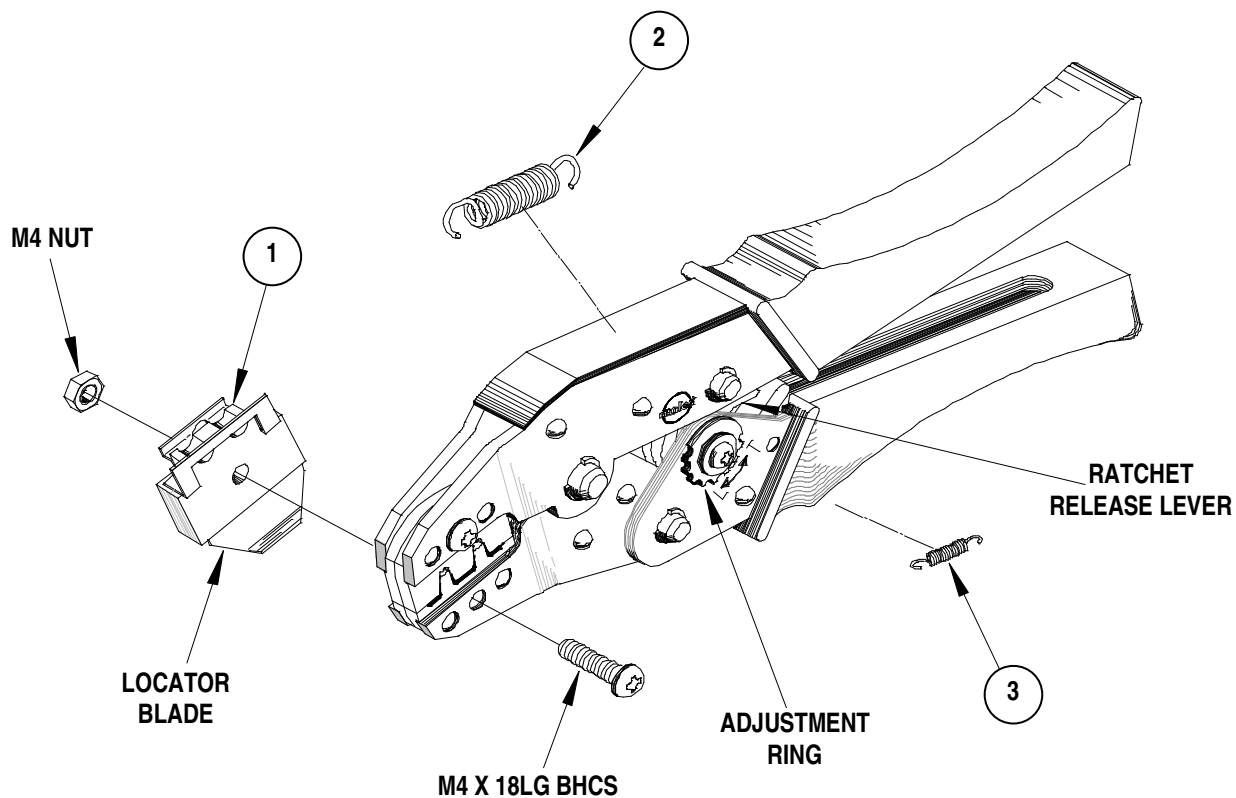


Figure 4

Americas Headquarters
 Lisle, Illinois 60532 U.S.A.
 1-800-78MOLEX
 amerinfo@molex.com

Far East North Headquarters
 Yamato, Kanagawa, Japan
 81-462-65-2324
 feninfo@molex.com

Far East South Headquarters
 Jurong, Singapore
 65-6-268-6868
 fesinfo@molex.com

European Headquarters
 Munich, Germany
 49-89-413092-0
 eurinfo@molex.com

Corporate Headquarters
 2222 Wellington Ct.
 Lisle, IL 60532 U.S.A.
 630-969-4550
 Fax: 630-969-1352

Visit our Web site at <http://www.molex.com>