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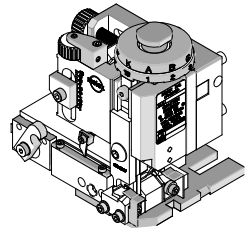
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sales@integrated-circuit.com

Mechanical Feed Metal Strip Applicator

**Mini-Mac
 Mechanical Feed-Metal
 Strip Applicator**



**Application Tooling
 Specification Sheet**



Order No. 63832-5200

FEATURES

- Directly adapts to most crimp press and automatic wire processing machines
- Applicator designed to industry standard mounting and shut height of 135.80mm (5.346")
- Conductor and insulation rings allow quick adjustment for conductor and insulation crimp height change
- Quick set-up time; plus the crimp height, track and feed adjustments can be set without removing the applicator from the crimp press

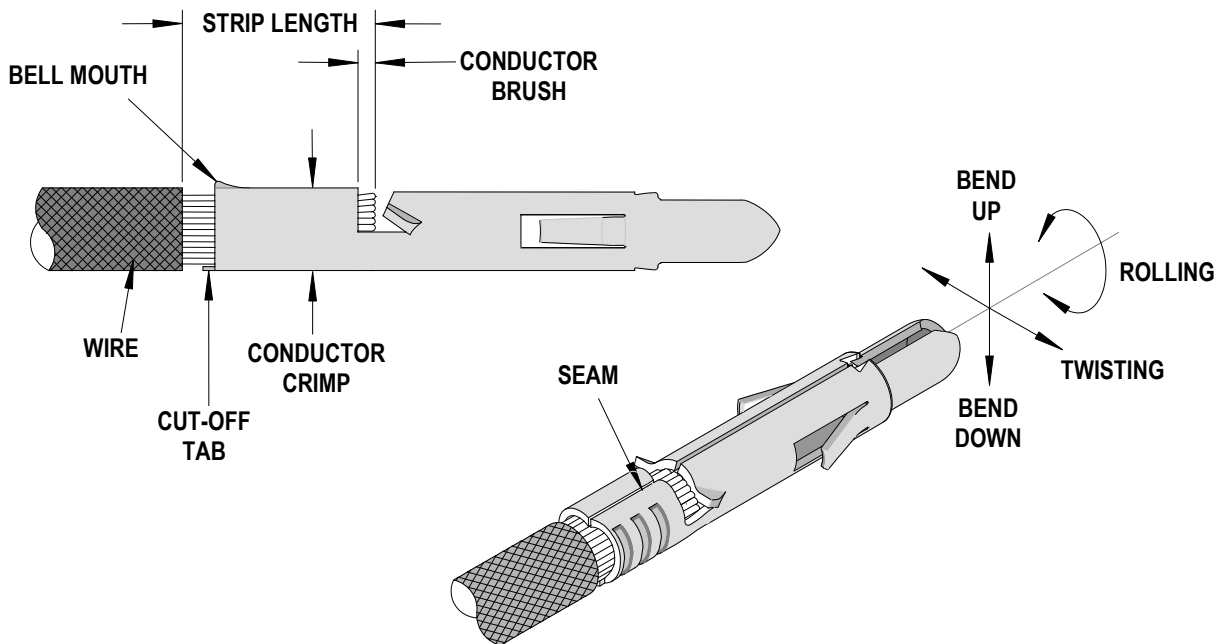
SCOPE

Products: MLX Double Crimp Terminals, 10-12 AWG.

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	
		AWG	mm ²	mm	In.	mm	In.
36663	36663-0001	10-12	5.00-3.30	5.08	.200	6.40-7.14	.252-.281
36664	36664-0001	10-12	5.00-3.30	5.08	.200	6.40-7.14	.252-.281

DEFINITION OF TERMS



Mechanical Feed Metal Strip Applicator

CRIMP SPECIFICATIONS

Terminal Series No.	Bell mouth		Cut-off Tab Max.		Conductor Brush	
	mm	In.	mm	In.	mm	In.
36663	0.30-0.60	.012-.024	0.50	.020	0.30-0.80	.012-.031
36664	0.30-0.60	.012-.024	0.50	.020	0.30-0.80	.012-.031

Terminal Series No.	Bend up	Bend down	Twist	Roll	Punch Width (Ref)				Seam Seam to be closed, and no wire allowed out of the crimping area.
					Conductor		Insulation		
	Degree		Degree		mm	In	mm	In	
36663	3	3	3	5	3.45	.136	N/A	N/A	
36664	3	3	3	5	3.45	.136	N/A	N/A	

CONDITIONS:

After crimping, the conductor profiles should measure the following (See notes on page 5).

Terminal Series No.	Wire Size		Crimp Height				Crimp Width				Pull Force Minimum	
			Conductor		Insulation		Conductor		Insulation			
	AWG	mm ²	mm	In.	mm	In.	mm	In.	mm	In.	N	Lb.
36663	10	5.0	2.35-2.45	.093-.095	N/A	N/A	3.50-3.60	.138-.142	N/A	N/A	355.9	80.0
	12	3.3	1.90-2.00	.075-.078	N/A	N/A	3.50-3.60	.138-.142	N/A	N/A	311.4	70.0
36664	10	5.0	2.35-2.45	.093-.095	N/A	N/A	3.50-3.60	.138-.142	N/A	N/A	355.9	80.0
	12	3.3	1.90-2.00	.075-.078	N/A	N/A	3.50-3.60	.138-.142	N/A	N/A	311.4	70.0

Tool Qualification Notes:

1. Pull Force should be measured with no influence from the insulation crimp.
2. The above specifications are guidelines to an optimum crimp.

Mechanical Feed Metal Strip Applicator

PARTS LIST

Mini-Mac Applicator 63832-5200				
Item	Order No	Engineering No.	Description	Quantity
Perishable Tooling				
	63832-5270	63832-5270	Tool Kit (All "Y" Items)	REF
1	63801-5973	63801-5973	Conductor Punch	1 Y
2	63801-5972	63801-5972	Conductor Anvil	1 Y
3	63443-0037	63443-0037	Front Cut-Off Plunger	1 Y
4	63443-0038	63443-0038	Front Cut-off Plunger Retainer	1 Y
Other Components				
5	11-18-4083	60707-8	Front Cover	1
6	63443-0009	63443-0009	Front Scrap Chute	1
7	63443-0021	63443-0021	Lower Tooling Key	1
8	63443-0061	63443-0061	Wire Stop	1
9	63443-2503	63443-2503	Spacer (Anvil Mount)	1
10	63443-6130	63443-6130	Rear Cover	1
11	63466-0502	63466-0502	Front Plunger Striker	1
12	63600-1290	63600-1290	Washer	1
13	63700-0539	63700-0539	Cut-Off Plunger Spring	1
14	63890-0866	63890-0866	Collar-6.4 Long	1
Frame				
15	63801-3201	63801-3201	Mechanical Feed Applicator Frame Head	1
16	63801-3281	63801-3281	Base	1
17	63801-4650	63801-4650	Track Assembly	1
Hardware				
18	N/A	N/A	M3 by 6 Long SHCS	2**
19	N/A	N/A	M4 by 6 Long SHCS	1**
20	N/A	N/A	M4 by 14 Long SHCS	2**
21	N/A	N/A	M4 by 50 Long SHCS	2**
22	N/A	N/A	M5 by 12 Long SHCS	1**
23	N/A	N/A	M8 by 30 Long BHCS	1**
24	N/A	N/A	3mm by 6 Long Roll Pin	1**
** Available from an industrial supply company such as MSC (1-800-645-7270).				

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Assembly Drawing

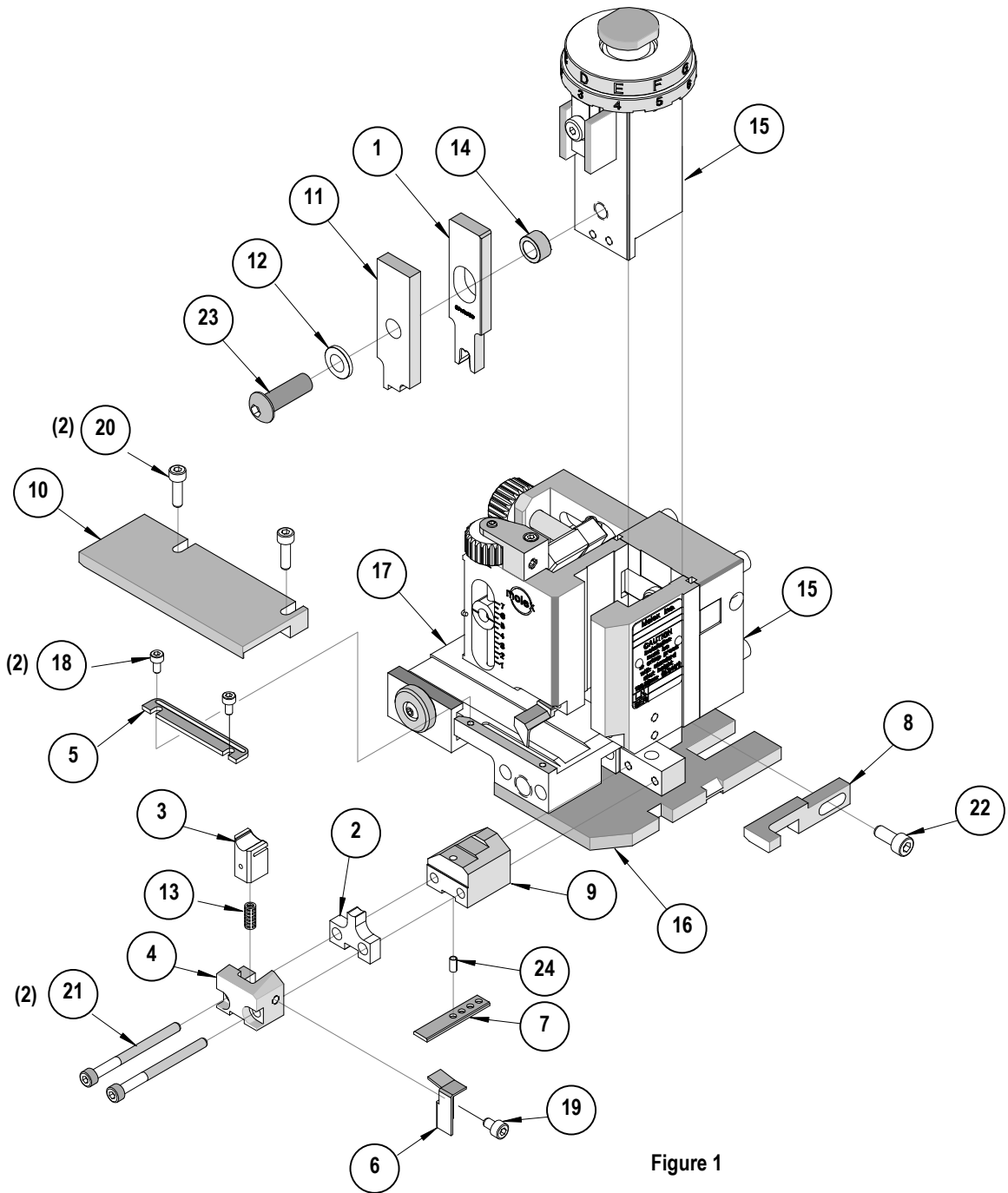


Figure 1

Mechanical Feed Metal Strip Applicator

NOTES

1. Molex recommends an extra perishable tooling kit be maintained at your facility.
2. Verify tooling alignment by manually cycling the press with Applicator before crimping under power. Check that all screws are tight.
3. Slugs, Terminals, Dirt and Oil should be kept clear of work area.
4. Wear safety glasses at all times.
5. For recommended maintenance refer to the Industrial Mini-Mac Applicator Manual.

CAUTION: This applicator should only be used in a press with a shut height of 135.8 mm (5.346"). Tooling damage could result at a lower setting.

CAUTION: To prevent injury never operate this Applicator without the guards supplied with the press or wire-processing machine in place. Reference the press or wire processing manufacturer's instruction manual.

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

Contact Information

For more information on Molex Application Tooling please contact a Molex sales representative at 1-800-786-6539.

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