

# Mighty Mouse

## Size #8 Quadrax, Twinax, Coax or Power Contacts

### Contacts Size #8 Power Contacts 850-013, 850-014



Mighty Mouse  
with #8 Contacts

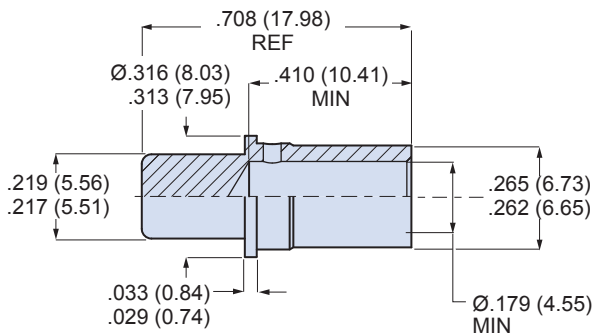
K

### Size #8 power contacts

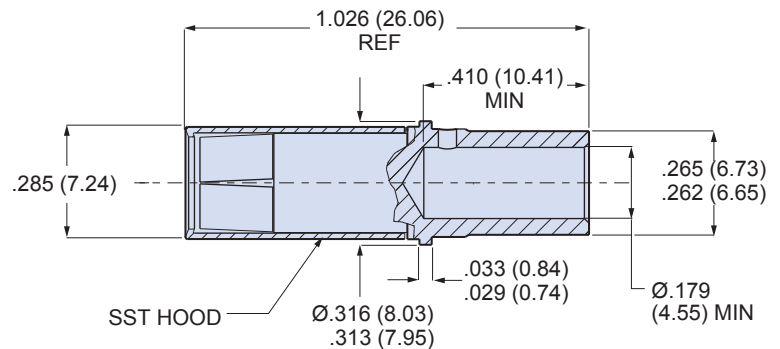
Power contacts accept #8 AWG wire. These contacts fit Mighty Mouse connectors with size 8 cavities. 46 amp current rating. Gold-plated copper alloy. Socket contact has stainless steel hood. Conforms to SAE AS39029 requirements. Terminate with pneumatic crimp tool shown on next page.



Figure	Contact Type	Conductor Size	Part Number Contact Only	Part Number Contact and Sealing Boot
Fig. 1	Pin	#8	<b>850-014</b>	<b>850-014F</b>
Fig. 2	Socket	#8	<b>850-013</b>	<b>850-013F</b>



**Fig. 1**  
Pin Contact 850-014



**Fig. 2**  
Socket Contact 850-013

Materials, Finishes	
Contact material	Copper Alloy
Contact finish	50 microinches gold over nickel plating
Socket Contact Hood	Stainless steel, passivated

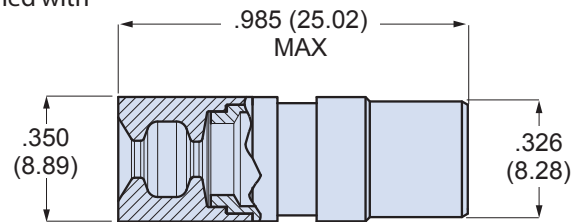
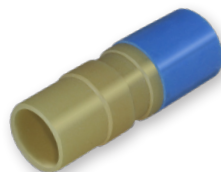
Specifications		
DESCRIPTION	REQUIREMENT	PROCEDURE
Test Current	46 Amperes	SAE AS39029 para. 4.7.5, EIA-364-06
Contact Resistance	26 millivolts maximum	SAE AS39029 para. 4.7.5, EIA-364-06
Minimum Separation Force	5 ounce minimum	SAE AS39029 para. 4.7.6, EIA-364-37
Crimp Tensile Strength	220 lbs. (978 newtons)	SAE AS39029 para. 4.7.9, EIA-364-08
Durability	500 mating cycles	SAE AS39029 para. 4.7.10

Size	Part Number	Military Part Number
#8	859-049	M81969/14-12

### Sealing Boot

Sealing boot provides wire seal. Slide boot onto wire before terminating contact. After contact is installed in connector, slide boot forward into connector grommet to seal the contact cavity. "F" suffix added on contact part number specifies contact supplied with sealing boot P/N 859-042-03.

Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.170 - .205	4.3 - 5.2	859-042-03

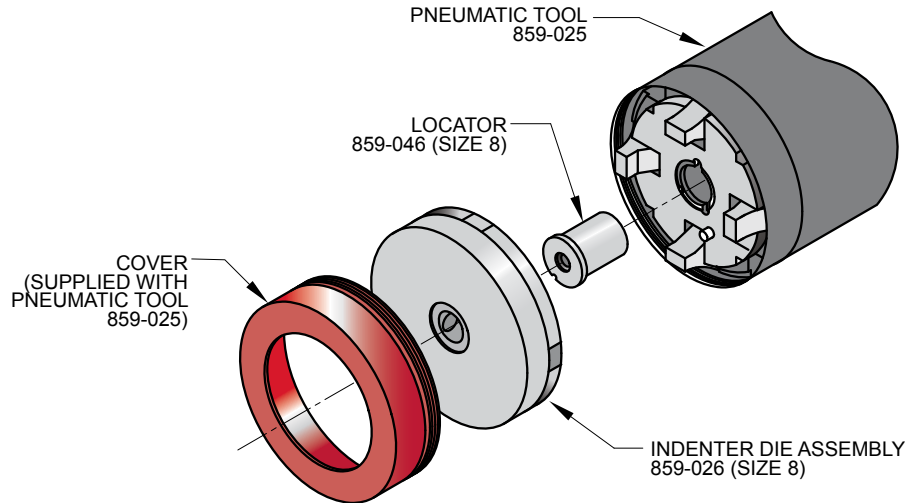


Dimensions in Inches (millimeters) are subject to change without notice.

K

### Pneumatic crimp tool for #8 power contacts

The Daniels WA23 pneumatic crimp tool sets the standard for heavy duty crimping chores. This four-indent tool accommodates large power contacts ranging from size 8 through size 0000. Die plates and locators are purchased separately. Qualified to M22520/23, the WA23 tool is specified for use with SAE AS39029 closed barrel copper alloy contacts.



### Pneumatic crimp tool



Bench mount heavy duty pneumatic indent crimp tool. Four-indent crimp termination. Use with closed barrel contact sizes 8 through 4/0. Attach to air supply with quick-disconnect fitting or install 1/4 NPT fitting into tapped port. 90-120 psi air supply. Requires die assembly and locator, sold separately. Hand actuate with push-button valve trigger on handle. Steel with black wrinkle enamel coating. 13 inches overall length, 9.2 inches tall, 17 pounds (7.7 Kg).

Description	Part Number	Military Part Number	Daniels Part Number
Pneumatic Crimper	859-025	M22520/23-01	WA23

### Die assembly for size #8 contacts



Indenter Die Assembly. Precision four-indent die with hardened tool steel indenters, stainless steel housing, aluminum cap. Use with size #8 contacts. Go/ No Go calibration dimensions are stamped on face of tool. Approximately 3.3 inches (84mm.) diameter.

Description	Part Number	Military Part Number	Daniels Part Number
Die Assembly, Size #8	859-026	M22520/23-02	WA23-2

### Locator for size #8 contacts



Aluminum locator holds contact at correct depth for crimping.

Description	Part Number	Military Part Number	Daniels Part Number
Locator, #8, Special	859-046	(none)	WA23-395L

Dimensions in Inches (millimeters) are subject to change without notice.