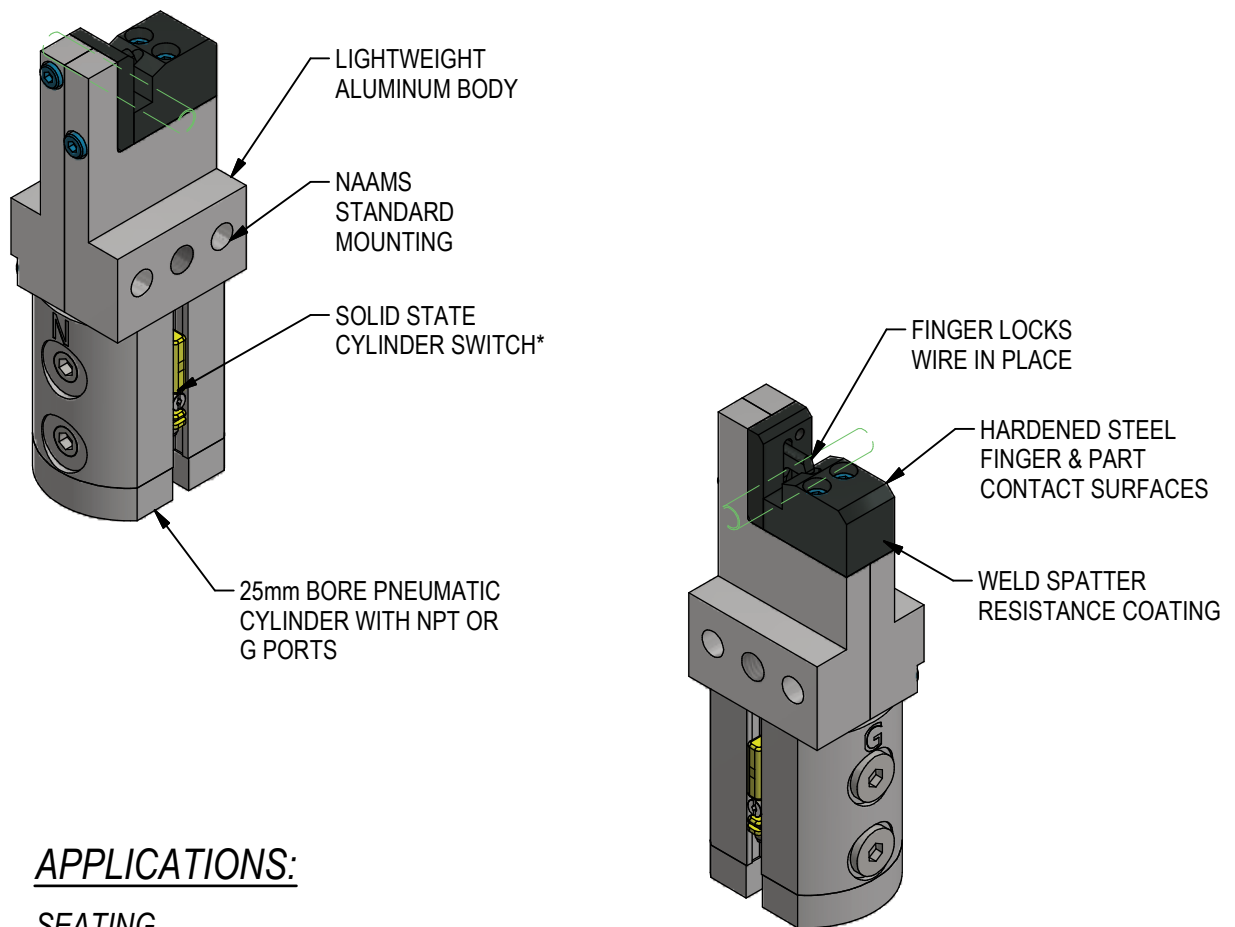


WIRE CLAMP TCA FOR WORKPIECE DIAMETERS 3mm THRU 10mm



APPLICATIONS:

SEATING

INSTRUMENT PANELS

APPLIANCE MANUFACTURING

EXHAUST

*OPTIONAL

RELEASED 1/1/22

ORDERING INFORMATION

NOTE: ALL BOXES MUST BE FILLED IN FOR A COMPLETE PART NUMBER

T	C	A						X	0
---	---	---	--	--	--	--	--	---	---

Workpiece Diameter _____
070 3.0mm thru 10.0mm Wire Dia
 Example : 070 = 7.0mm Wire Dia

Actuator _____
N NPT Ports
G G Ports

Cylinder Switch _____
00 No Switch
LX See Welker Cylinder Switch Chart

REPLACEMENT CYLINDER

 ORDER #TCA-RCA

 See sheet 4 for instructions

CYLINDER SWITCH CHART			
SWITCH OPTION	MFR PART NUMBER	MFR	DESCRIPTION
L3*	SWITCH L3	WELKER	4-WIRE, 4-PIN, DC (PNP) M12 X 1 QUICK DISCONNECT. WELD FIELD IMMUNE**, COMPARABLE TO WORLD SWITCHES
L5	MK5113	ifm EFECTOR	3-WIRE, 4-PIN, DC (NPN) M12 X 1 QUICK DISCONNECT. SINGLE CONNECTOR SWITCH; 2 SWITCHES INSTALLED

*STANDARD SWITCH OPTION. OTHER OPTIONS MAY AFFECT PRICE & DELIVERY

 **NOTE THAT SOME MID AND LOW FREQUENCY DC RESISTANCE APPLICATIONS (I.E. ALUMINUM RESISTANCE WELDING APPLICATIONS) MAY CAUSE A FAULT. IN THESE APPLICATIONS, IT IS RECOMMENDED THAT THE SENSOR BE IGNORED/BYPASSED DURING THE WELDING CYCLE.

WIRE CLAMP WORKSHEET

Project	Station #	Date	
Customer	Contact	Email	Phone

NOMINAL WIRE DIAMETER: _____ + Tolerance ± _____ = _____ Max Dia.

Part print attached

RECOMMENDED OPENING SIZE:

Series	Application	Opening size
TCA	ALL	Maximum diameter + 0.2mm

Part # _____
 Approval _____

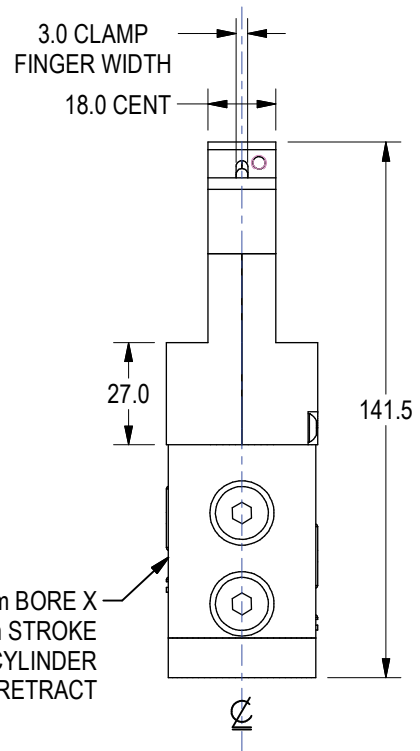
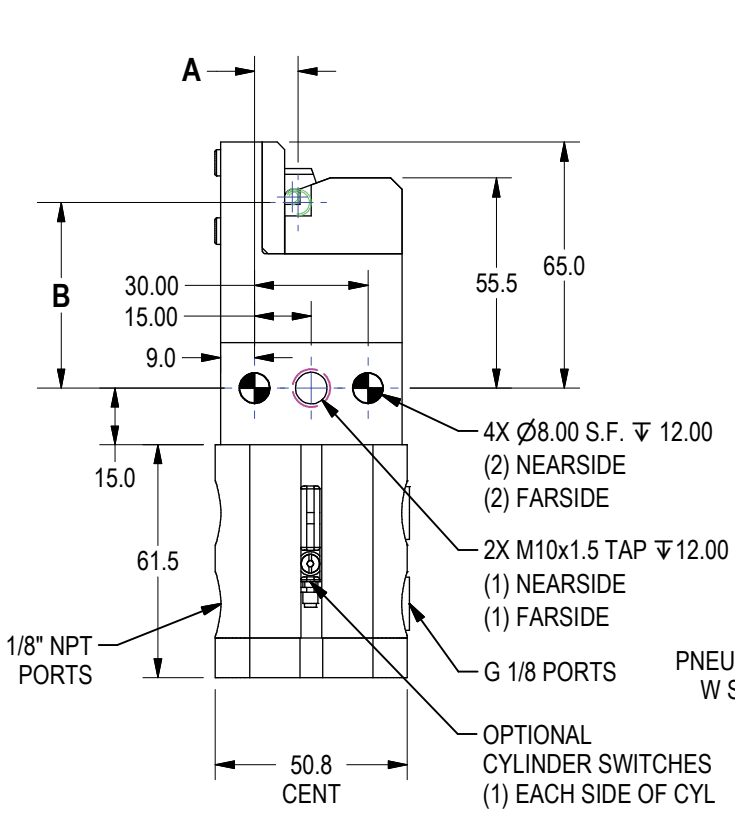
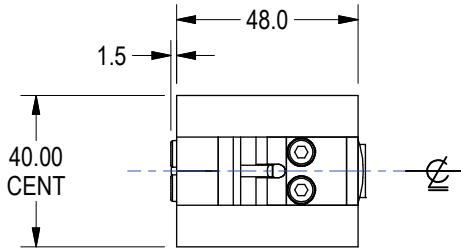
(DO NOT SCALE DRAWING)

ENGINEERED PRODUCTS

800-229-0890 www.welkerproducts.com

GENERAL DIMENSIONS

A = 8.0 + 1/2 WORKPIECE DIAMETER
 B = 52.5 - 1/2 WORKPIECE DIAMETER



 UNIT WEIGHT: 1.3 LBS

(DO NOT SCALE DRAWING)

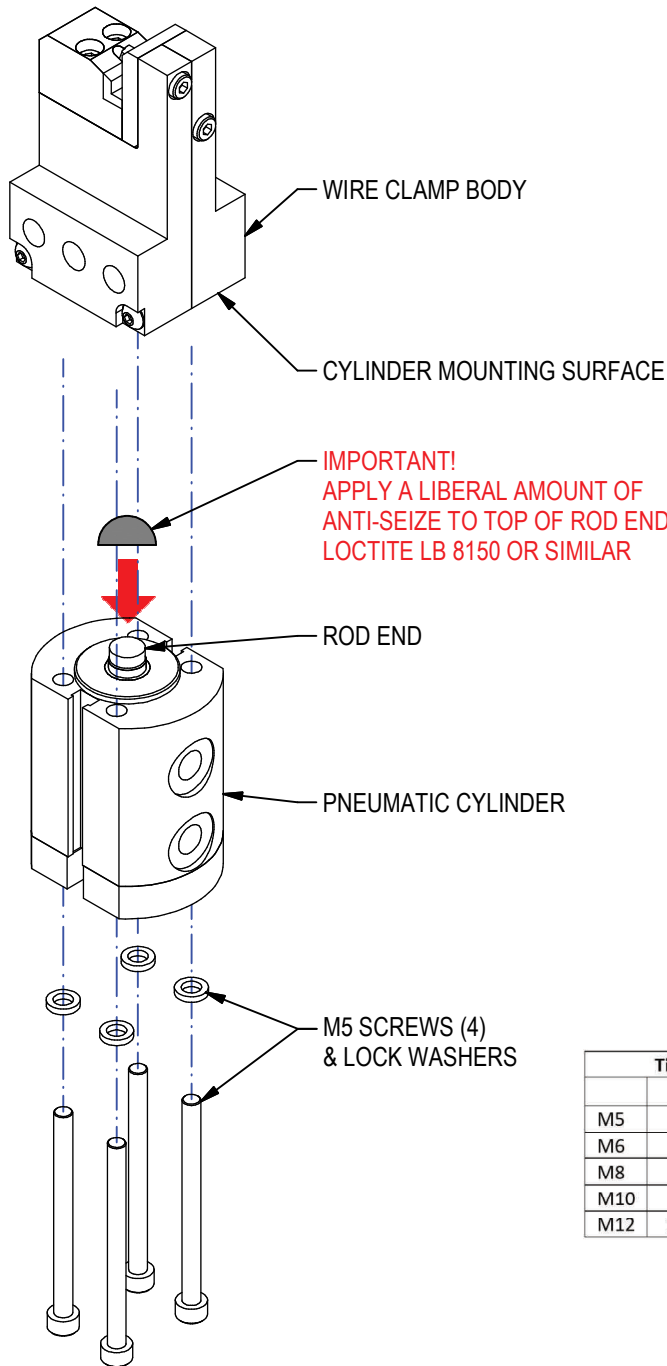
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PNEUMATIC CYLINDER REPLACEMENT

1. DISCONNECT AIR SUPPLY.
2. REMOVE M5 SCREWS & LOCK WASHERS SECURING CYLINDER TO CLAMP. REMOVE CYLINDER, NOTING PORT POSITION.
3. CLEAN CYLINDER MOUNTING SURFACE OF CLAMP BODY.
4. APPLY A LIBERAL AMOUNT OF ANTI-SEIZE TO TOP OF ROD END: LOCTITE LB 8150 OR SIMILAR.
5. INSTALL CYLINDER TO CLAMP. SECURE WITH M5 SCREWS & LOCK WASHERS. USE REMOVABLE THREAD ADHESIVE ON ALL SCREWS.
6. TIGHTEN TO TORQUE SHOWN.

REPLACEMENT CYLINDER

ORDER #TCA-RCA



	Tightening Torques for Metric Bolts (installed dry)			
	Steel		Aluminum	
M5	10 Nm	7.4 ft lb.	5 Nm	3.7 ft lb.
M6	19 Nm	14.0 ft lb.	9.5 Nm	7.0 ft lb.
M8	45 Nm	33.2 ft lb.	22.5 Nm	16.6 ft lb.
M10	89 Nm	65.6 ft lb.	44.5 Nm	32.8 ft lb.
M12	156 Nm	115.1 ft lb.	78 Nm	57.6 ft lb.

(DO NOT SCALE DRAWING)

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