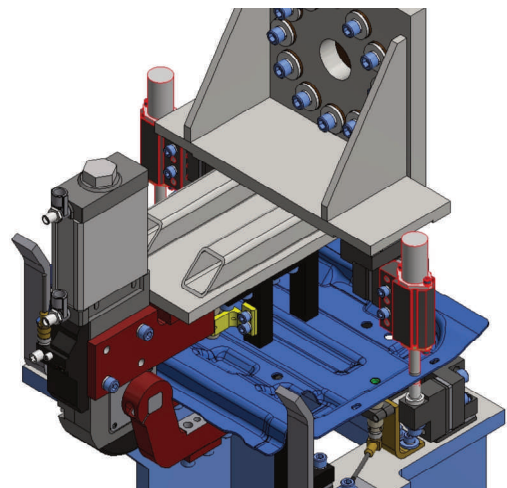
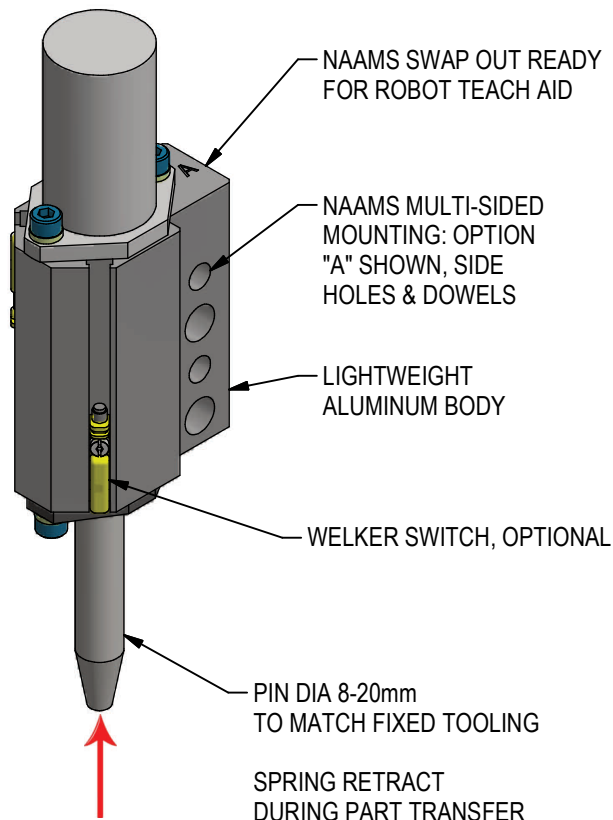
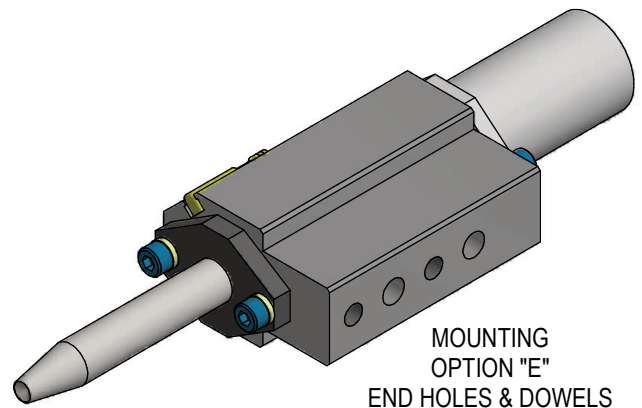


RTP ROBOT TRANSFER PIN

- 8 - 20mm PIN DIAMETERS
- ROUND PIN ONLY, NO ANTI-ROTATE
- 50mm STROKE, SPRING LOADED

CONCAVE PIN TIP MEETS THE FIXTURE'S LOCATING PIN AND MAINTAINS SPRING FORCE CONTACT, WHILE PART IS TRANSFERRED.

PIN-TO-PIN TRANSFER ALLOWS USE OF THE SAME HOLES IN PARTS WITHOUT USING NONTOLERANCE HOLES.

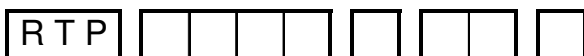


APPLICATIONS:

ROBOT TEACH AID
END OF ARM TOOLING
PASS TABLE
LOAD TABLE
MATERIAL HANDLING
PASS-OFF APPLICATION

RELEASED 10/28/21

ORDERING INFORMATION



Pin Diameter

XXXX (i.e. 8.00mm Pin = 0800)
8.00mm-20.00mm Dia Range

Body Style

- A** 11.0 Dia thru & 8.00 Dia Dowels (Side)
- B** M10 Tap thru & 8.00 Dia Dowels (Side)
- C** 9.0 Dia thru & 8.00 Dia Dowels (Side)
- D** M8 Tap thru & 8.00 Dia Dowels (Side)
- E** M8 Tap & 8.00 Dia Dowels (End)

Switch

- 00** No Switch
- L3** Welker Solid State Cylinder Switch**

Spring

- 0** Standard Spring
- 1** Light Load Spring

GOOD APPLICATIONS:

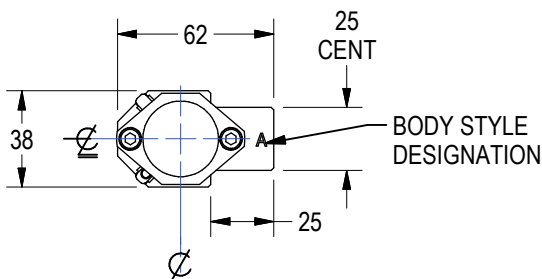
- ROBOT TEACH AID
- END OF ARM TOOLING
- PASS TABLE
- LOAD TABLE
- MATERIAL HANDLING
- PASS-OFF APPLICATION

BAD APPLICATIONS:

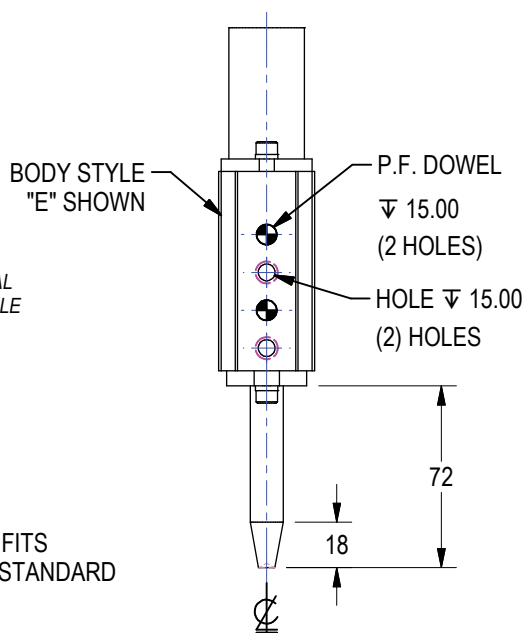
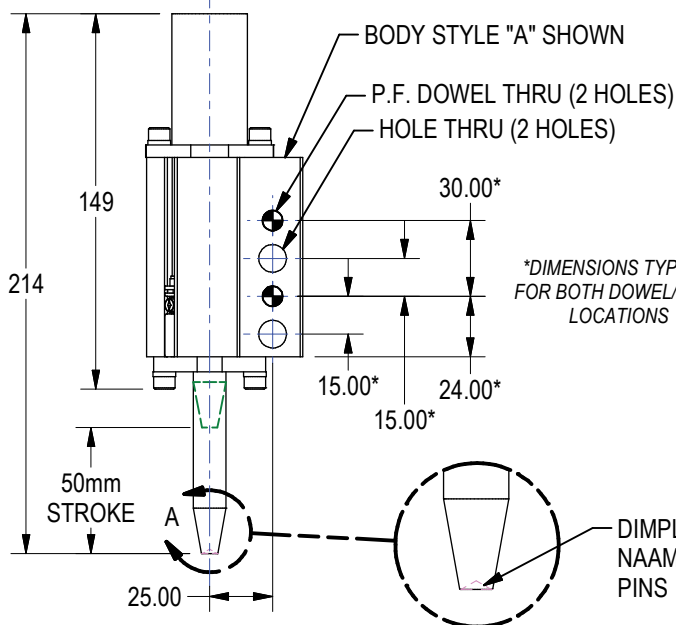
- NO-HOLE
- PARTS NOT CLAMPED
- PICK MISALIGNED
- PIN LINE-UP NOT THE SAME ANGLE

SPRING PRESSURE		
SPRING:	STANDARD	LIGHT LOAD
PIN EXTEND	5.0 LBS	3.0 LBS
PIN RETURNED	25.0 LBS	16.0 LBS
MAX COMPRESSION	50.0mm	50.0mm

GENERAL DIMENSIONS



BODY STYLE	DOWELS	HOLES	LOCATION
A	8.00	11.00	SIDE
B	8.00	M10x1.5 TAP	SIDE
C	8.00	9.00	SIDE
D	8.00	M8x1.25 TAP	SIDE
E	8.00	M8x1.25 TAP	END



*DIMENSIONS TYPICAL FOR BOTH DOWEL/HOLE LOCATIONS

**L3 switch is weld field immune, comparable to World Switches. 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.

(DO NOT SCALE DRAWING)

ENGINEERED PRODUCTS

800-229-0890 www.welkerproducts.com

REPLACEMENT PARTS

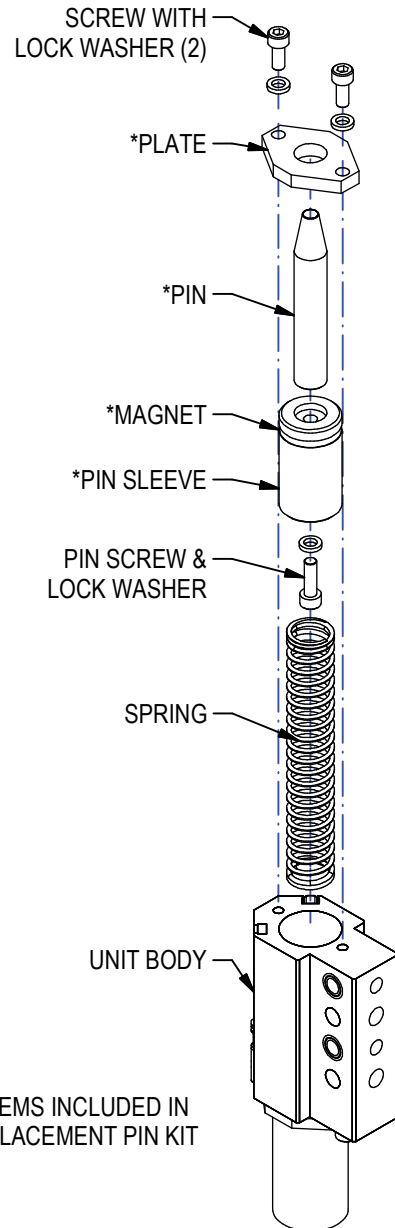
QTY	STOCK*	DESCRIPTION	PART NUMBER
1		STANDARD SPRING	S-1174
1		LIGHT LOAD SPRING	12064
1		PIN: ORDER BY PIN DIAMETER, 8.00-20.00mm EXAMPLE: 9.85 DIAMETER PIN = RTPE04-0985	RTPE04-PIN DIA
1	1	SWITCH	SWITCH L3
	1	REPLACEMENT PIN KIT *SEE EXPLODED VIEW FOR INCLUDED ITEMS	RTP-PIN-DIA-KIT

*RECOMMENDED SPARE PARTS TO KEEP IN STOCK

TO REPLACE PIN AND/OR SPRING:

NOTE: COMPRESSION SPRING IS UNDER LIGHT PRESSURE

1. DISCONNECT AIR LINES TO UNIT.
2. REMOVE M5 SCREWS & LOCK WASHERS SECURING PLATE TO UNIT BODY.
3. REMOVE PLATE.
4. REMOVE PIN SLEEVE ASSEMBLY AND SPRING.
5. REMOVE PIN SCREW & LOCK WASHER SECURING PIN TO SLEEVE.
6. INSTALL NEW PIN TO PIN SLEEVE, SECURING WITH PIN SCREW & LOCK WASHER. APPLY REMOVEABLE THREAD ADHESIVE TO SCREW.
7. APPLY MAGNALUBE-G OR EQUIVALENT TO PIN SLEEVE INSIDE & OUT, SPRING, AND UNIT BODY BORE.
8. INSTALL SPRING TO PIN SLEEVE.
9. REASSEMBLE UNIT. APPLY REMOVEABLE THREAD ADHESIVE TO SCREWS. TORQUE TO VALUES SHOWN IN CHART.



* ITEMS INCLUDED IN REPLACEMENT PIN KIT

Tightening Torques for Metric Bolts (dry)				
Size	Steel		Aluminum	
M5	10.0 Nm	7.4 ft lb.	5.0 Nm	3.7 ft lb.
M6	19.0 Nm	14.0 ft lb.	9.5 Nm	7.0 ft lb.
M8	45.0 Nm	33.2 ft lb.	22.5 Nm	16.6 ft lb.
M10	89.0 Nm	65.6 ft lb.	44.5 Nm	32.8 ft lb.
M12	156.0 Nm	115.1 ft lb.	78.0 Nm	57.5 ft lb.

(DO NOT SCALE DRAWING)

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