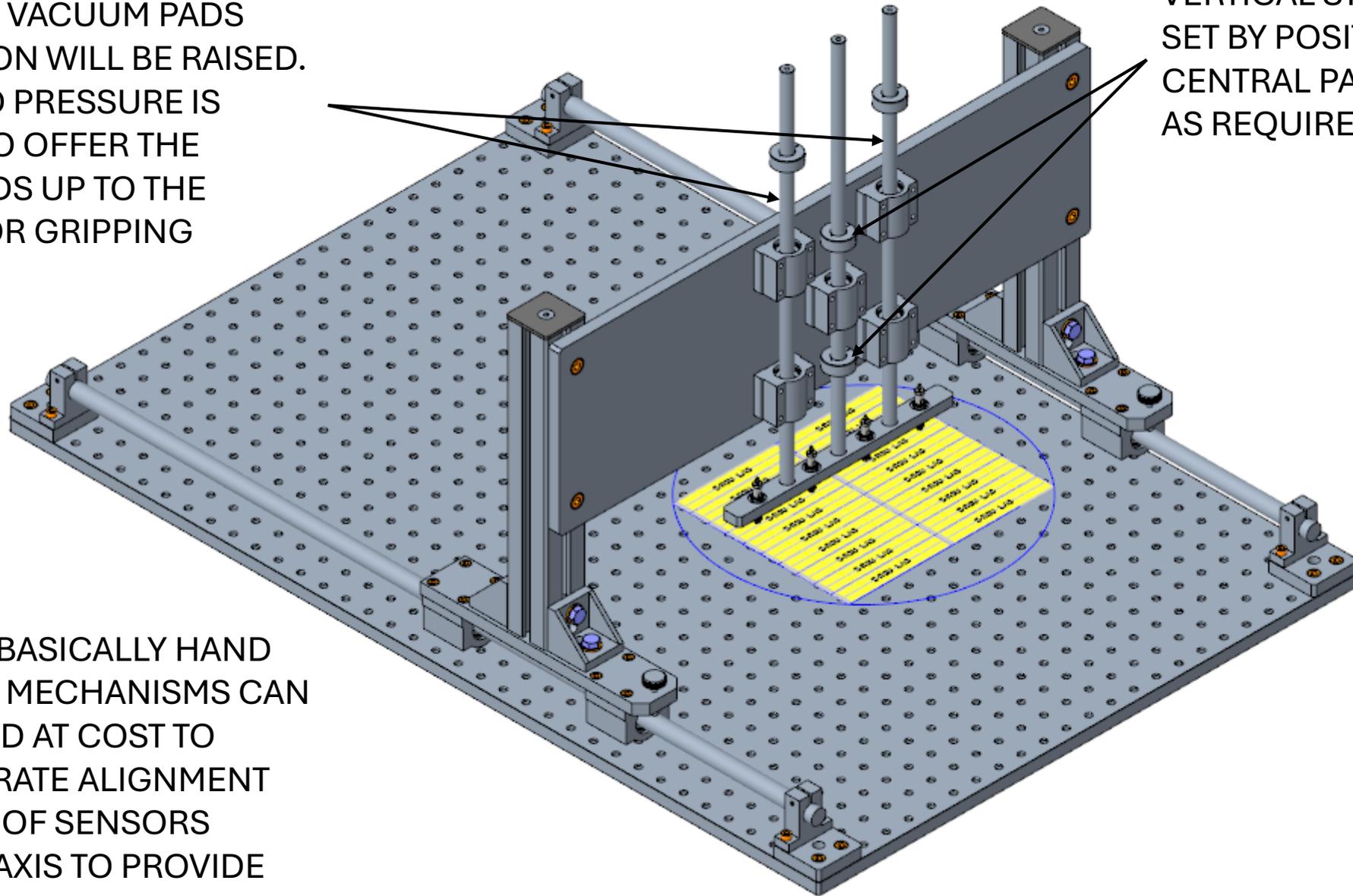


# SILICON DUMMY SENSOR REMOVAL TOOL ASSEMBLY

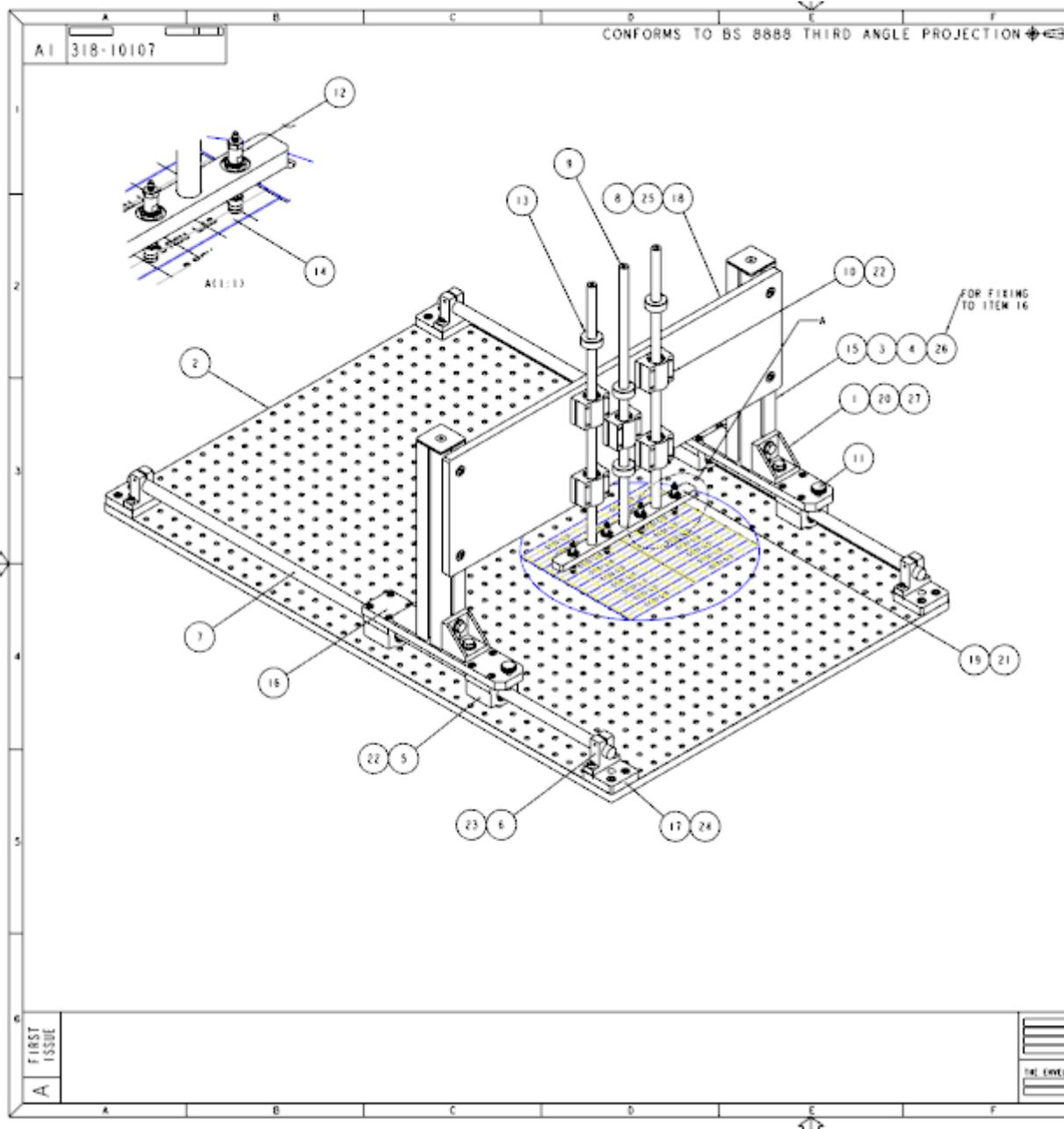
KEN DAVIES 11 FEB 2026

TWO SPRINGS – NOT SHOWN –  
ENSURE THE VACUUM PADS  
REST POSITION WILL BE RAISED.  
DOWNWARD PRESSURE IS  
REQUIRED TO OFFER THE  
VACUUM PADS UP TO THE  
SENSORS FOR GRIPPING

VERTICAL STROKE CAN BE  
SET BY POSITIONING THE  
CENTRAL PAIR OF COLLARS  
AS REQUIRED



THE SYSTEM IS BASICALLY HAND  
OPERATED BUT MECHANISMS CAN  
BE INTRODUCED AT COST TO  
ENSURE ACCURATE ALIGNMENT  
AND GRIPPING OF SENSORS  
ALONG THREE AXIS TO PROVIDE  
REPEATATIVE OPERATION.



REF	DRG No	DESCRIPTION	QTY	REMARKS
1	001-13722	MINITEC-ANGLE 45 GO - PART No 21.1133/0	4	
2	001-17256	ALUMINIUM BREADBOARD 600x900 - THORLABS MB6000/W	1	
3	001-17258	MINITEC 22.1067/5 - END CAP 45x45 VA	2	
4	001-17259	MINITEC 21.1668/0 - PAN HEAD SCREW M6x10 VA HEX SKT	2	
5	001-17260	AUTOMOTION LINEAR CARRIAGE - L1750.016	4	
6	001-17263	AUTOMOTION SHAFT END SUPPORT - L1779.016-AL	4	
7	001-17264	AUTOMOTION LINEAR SHAFT DIA16x850Lg - L1773.16-0850	2	
8	001-17266	MINITEC 21.2343/2 - M6 SO NUT WITH POSITION FIXING	8	
9	001-17267	AUTOMOTION LINEAR SHAFT DIA12x400Lg - L1773.12-0400	3	
10	001-17268	AUTOMOTION LINEAR CARRIAGE - L1750.012	5	
11	001-17271	THUMB SCREW M6x25 AUTOMOTION P0480.060-025-A4	2	
12	001-17272	VACUUM PAD WITH BUFFER SMC ZP3-100BSK6-04	4	
13	001-17273	SHAFT COLLAR ONE PIECE ST ST AUTOMOTION R3212.120-A2	4	
14	318-10074	5-RSU LAS (LARGE AREA SENSOR) - CHIP	20	
15	318-10108	MINITEC 20.1006/0 - PROFILE 45x45x300Lg	2	
16	318-10109	LINEAR BEARING PLATE	2	
17	318-10110	ANCHOR PAD	4	
18	318-10111	VERTICAL LINEAR SLIDE PLATE	1	
19	318-10112	GRIPPER BAR	1	
20	HHS-080-020MB	x 20 LG HEX HD SCREW	8	
21	SHS-050-012MS	x 12 LG HEX SKT HD CAP SCREW	3	
22	SHS-050-016MS	x 16 LG HEX SKT HD CAP SCREW	36	
23	SHS-050-020MS	x 20 LG HEX SKT HD CAP SCREW	8	
24	SHS-040-020MS	x 20 LG HEX SKT HD CAP SCREW	8	
25	SHS-080-015MS	x 15 LG HEX SKT HD CAP SCREW	4	
26	SHS-080-020MS	x 20 LG HEX SKT HD CAP SCREW	2	
27	WAS-080	HD PLAIN WASHER	8	

Work In Progress

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TOLERANCES UNLESS OTHERWISE STATED

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ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED

TOLERANCING ISO 8015

DARESBURY LABORATORY

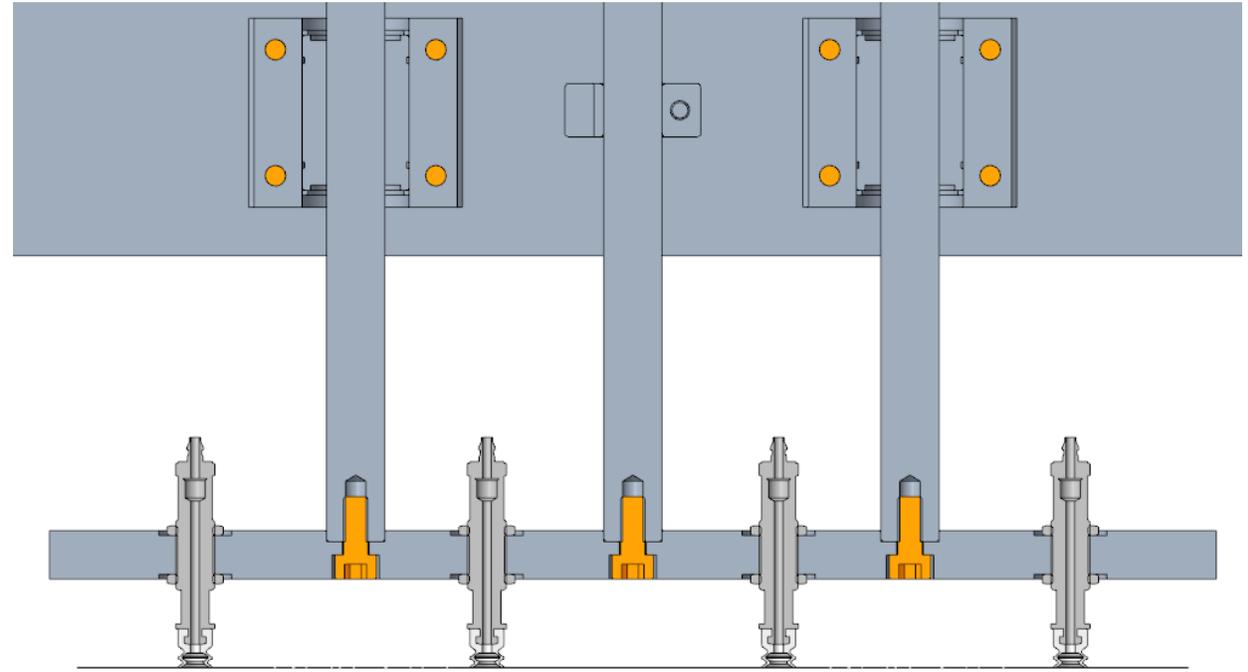
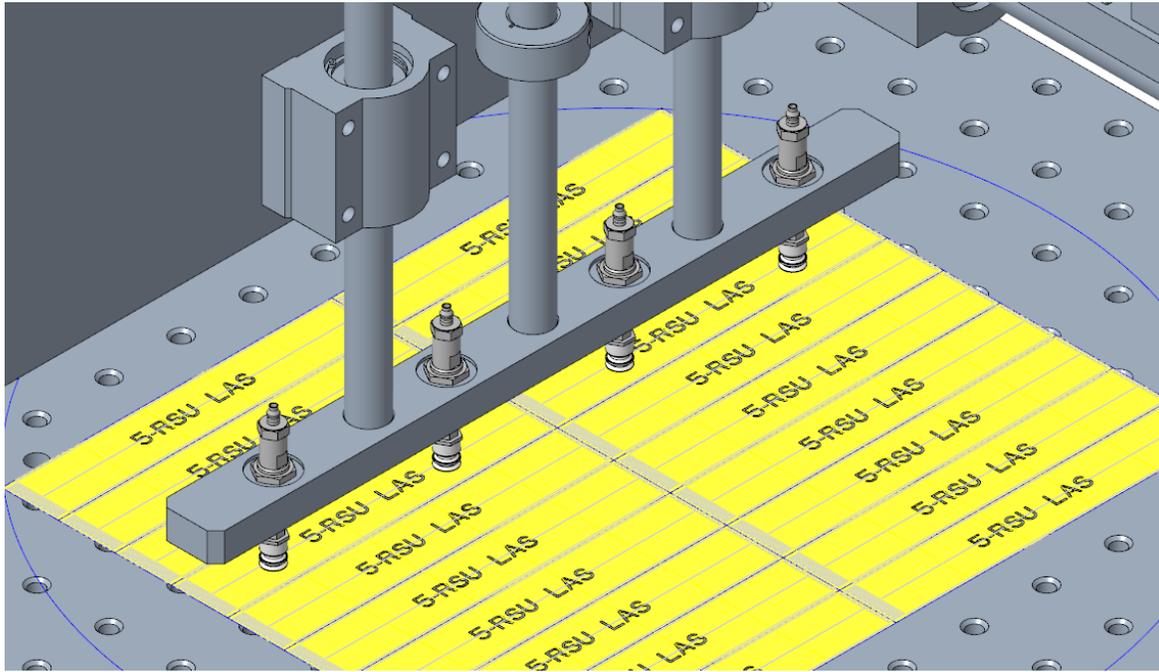
SILICON DUMMY SENSOR REMOVAL - TOOL ASSY

A1 318-10107

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FIRST ISSUE

THE ENVELOPE REQUIREMENT APPLIES TO ALL



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 [Bellows, vertical adapter](#) > 
 [With Buffer - ZP3-T\\*B](#)

## Product catalogue

# Vacuum Pad with Buffer - ZP3-T\*B

- Pad Sizes: Ø 4 to Ø 16 mm
- Shapes: Bellows Type
- Materials: NBR, Silicone Rubber, Urethane Rubber, FKM, Conductive NBR, Conductive Silicone Rubber
- Options: Female Thread, One-touch and Barb Fitting Buffer Vertical Vacuum Inlet.



