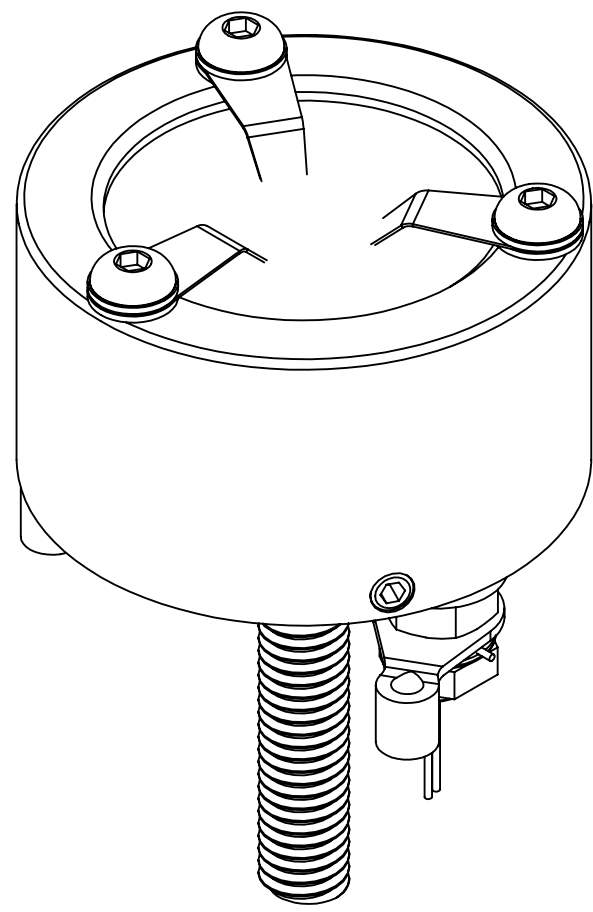
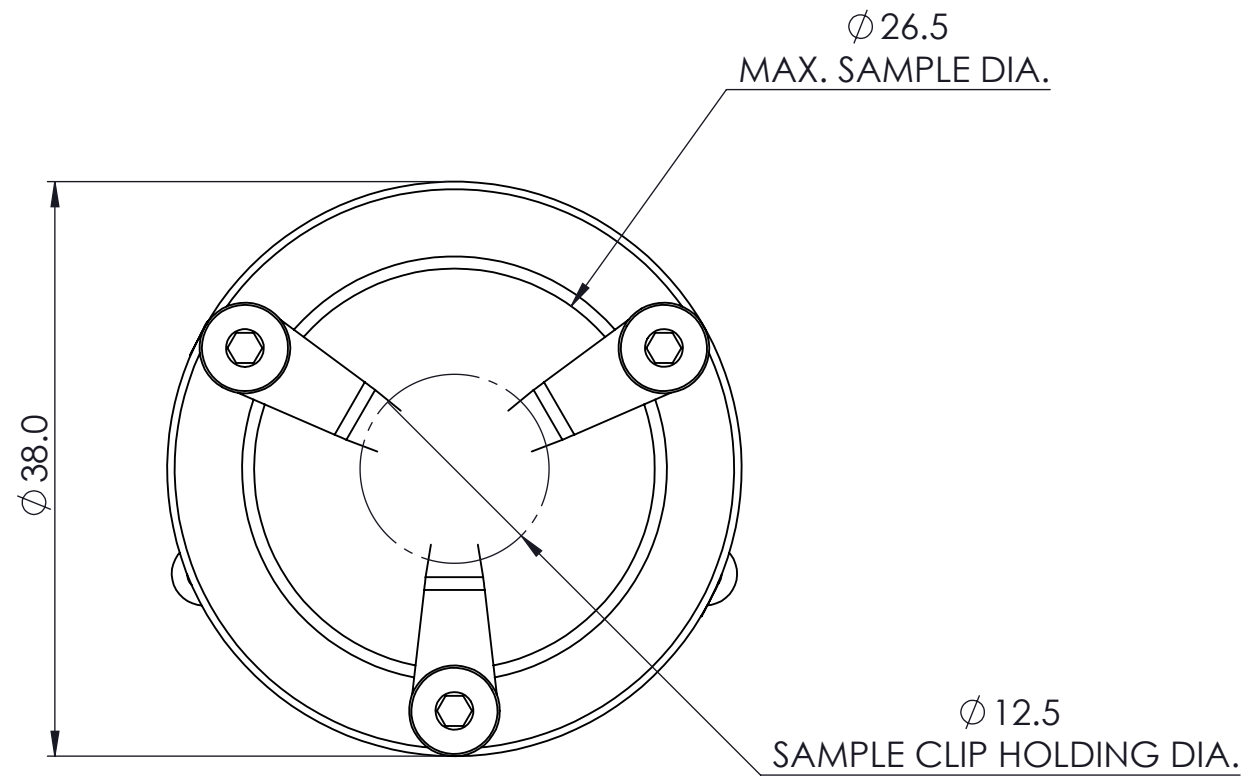
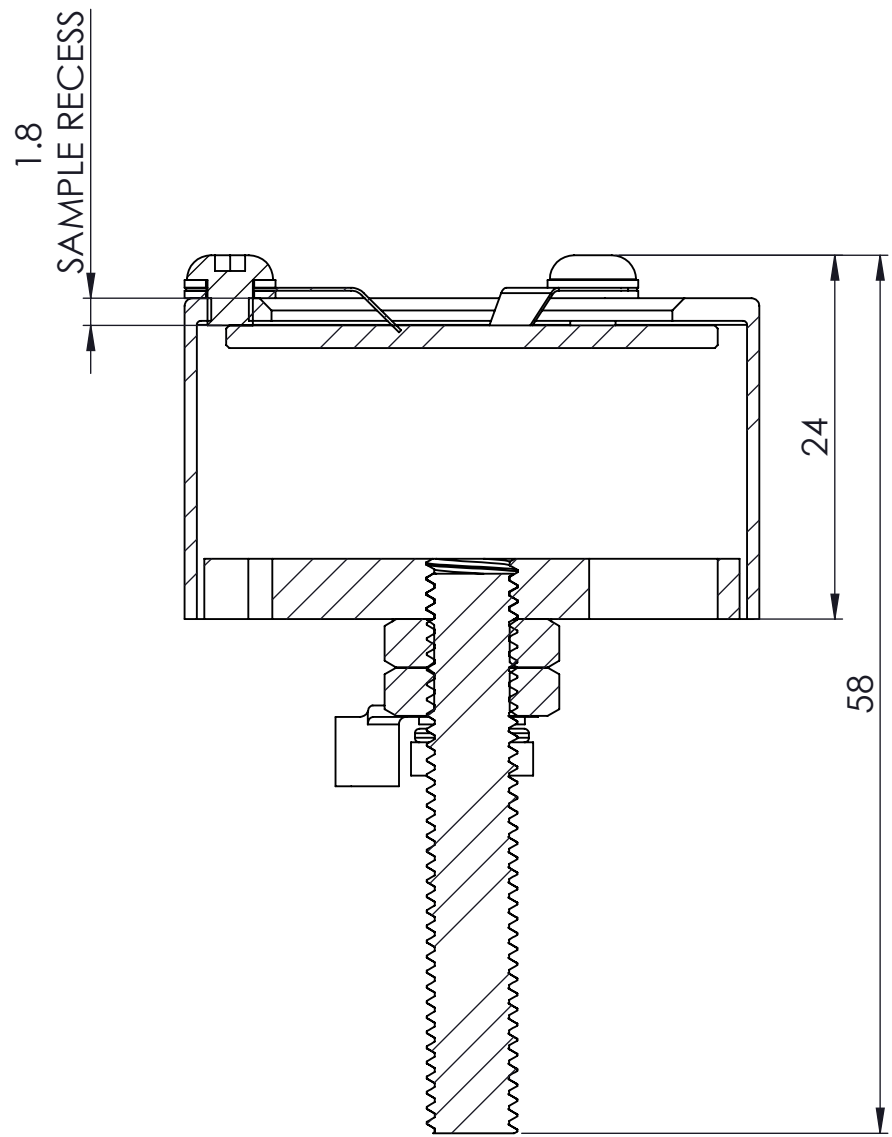
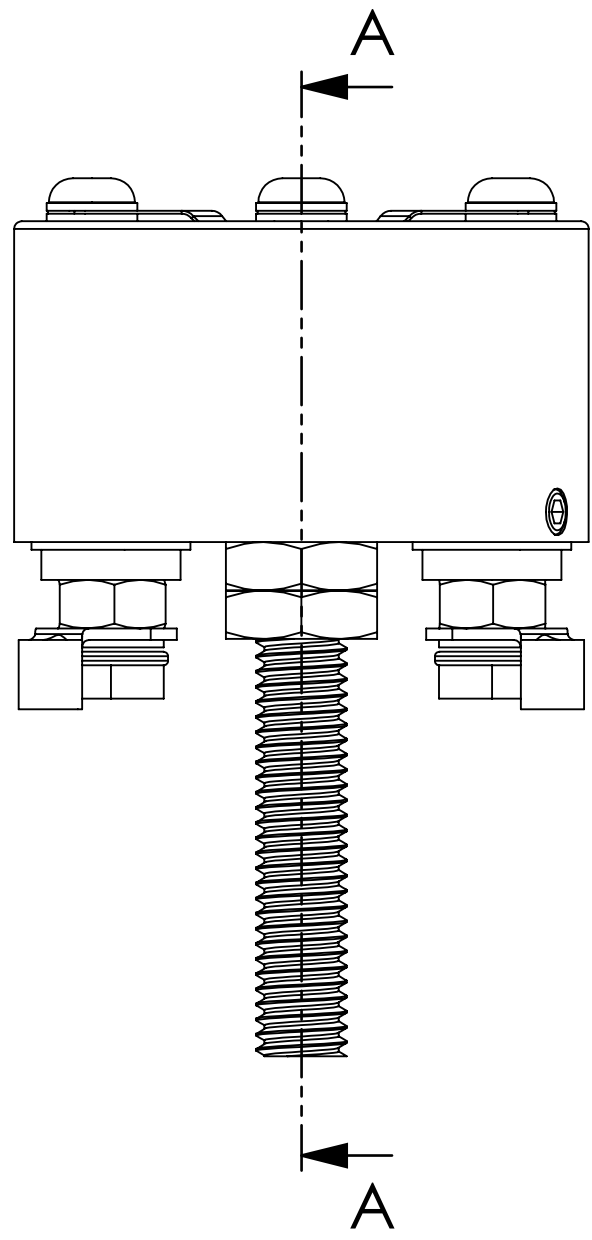




ISO. VIEW



SECTION A-A

- NOTES
- 1 - TUNGSTEEN - RHENIUM ELEMENT
 - 2 - TYPE K THERMOCOUPLE, 0.5M LONG WITH FIBREGLASS INSULATION
 - 3 - M6 MOUNTING STUD.
 - 4 - 3 X SAMPLE CLIPS.
 - 5 - CERAMIC SAMPLE PLATE.
 - 6 - 0.5M CERAMIC INSULATED POWER CABLES.

		TOLERANCES (EXCEPT AS NOTED):			
		UNDER 250mm	250-500mm	500-1500mm	ABOVE 1500
X	=	±0.5mm	±1.0mm	±1.5mm	±2.0mm
X.X	=	±0.2mm	±0.5mm	±0.75mm	±1.5mm
X.XX	=	±0.1mm	±0.2mm	±0.4mm	±0.75mm

©THERMIC EDGE

NOTE: THIS DRAWING CONTAINS PROPRIETARY INFORMATION WHICH MAY NOT BE DISCLOSED TO OTHERS NOR USED FOR MANUFACTURE WITHOUT WRITTEN PERMISSION FROM THERMIC EDGE.

HEATER SPECIFICATION

HEATER/STAGE DETAILS

HEATER TYPE:	ROUND BUTTON HEATER
TOP PLATE TEMPERATURE:	1400°C MAX.
ENVIRONMENT:	HV + UHV + INERT
ELEMENT:	TUNGSTEN - RHENIUM
THERMOCOUPLE:	
UNIFORMITY:	N/A
SUBSTRATE:	N/A
LEAK RATE:	N/A

ELECTRICAL

HEATER COLD RESISTANCE:	0.8Ω +/-0.2
RAMP RATE:	140°C/min
POWER REQUIREMENTS:	12V & 8A DC @1000°C
CABLE LENGTH & INSULATION:	0.5 MTR, FIBREGLASS INSULATED

COOLING

WATER COOLING:	N/A
GAS COOLING:	N/A

EXTRAS

ROTATION SPEED:	N/A
BIAS TYPE & POWER:	N/A
TRAVEL DISTANCE:	
ADDITIONAL EXTERNAL HEAT SHIELDING:	N/A

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St. Leonards On Sea
EAST SUSSEX
TN38 9RT
UNITED KINGDOM

SCALE: 2:1	DRAWN: A1	CHECKED: BS	PAGE 1 OF 1
DATE: 13 Apr 23			
TITLE: 1" BH 1400°C HV HEATER ASSEMBLY - Tu-Re Element			
DWG NO: VB-1-1400-TU-HV			REVISION: 0