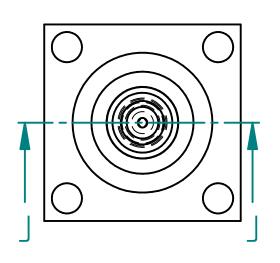
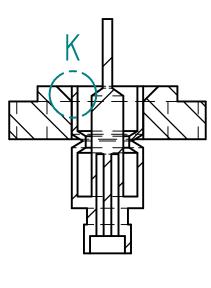


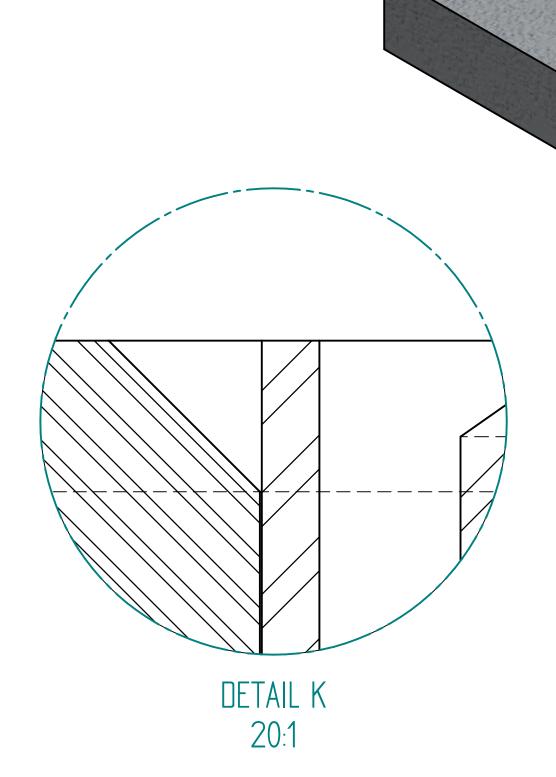
NOTE: AREA MARKED ZZZ IS A VACUUM MATING FACE.
ENSURE BURR AND SCRATCH FREE AND PROTECT POST-MACHINING.

n n	0 11 1	DATE	00/44/42	5			
Drawn B	y Scott Lawrie	DATE	29/11/13	Checked B	y	Pete Savage	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			SURFACE TEXT	1.6 / um		
DIMENSIO	NS IN mm UNLESS STAT		X.XX ± 0.1 TERIAL & SPEC. TAINLESS STEEL	. 316	FIN	ish CLEAN	REMOVE ALL BURRS
ISIS INJECTOR GROUP USED ON BUTTON BPM ASSEMBLY							
RUTHERFORD APPLETON LABORATORY, HARWELL OXFORD, CHILTON, OXON, OX11 0QX							
TITLE							SCALE UNLESS STATED
Feedthrough Flange							5:1
							SHEET 3 OF 7





SECTION J-J



Vacuum leak-proof weld required.

SMA feedthrough to be welded into flange plate.

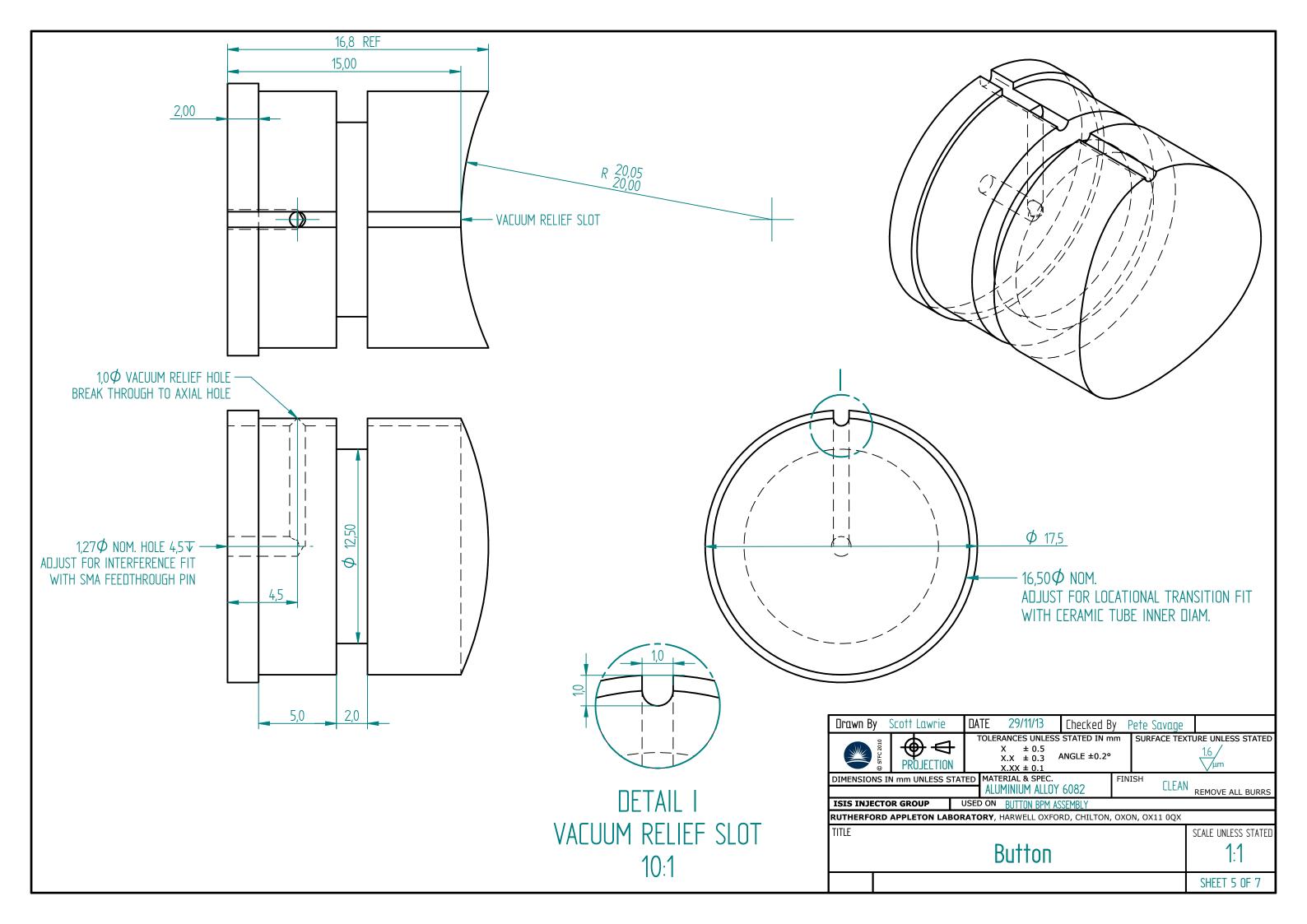
Feedthrough and flange surfaces to lie flush before weld.

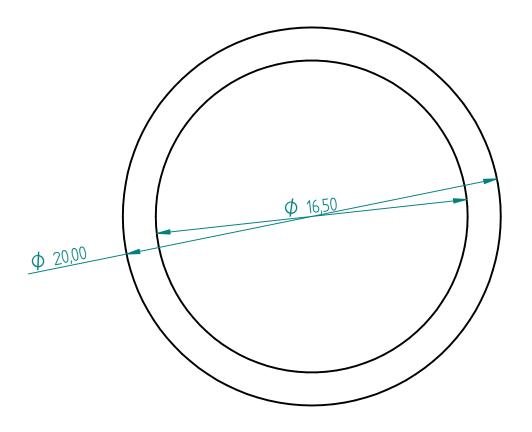
Weld bead to be contained within chamfer.

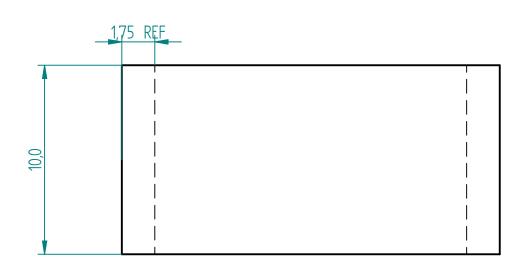
Post-weld machine skim flush if required.

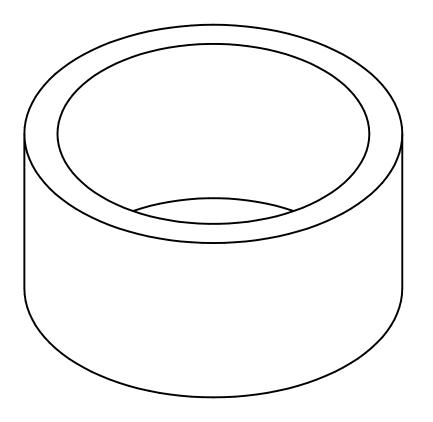
5:1

Drawn B	y Scott Lawrie	DATE	29/11/13	Checked B	y F	Pete Savage		
	<u> </u>	TOLERANCES UNLESS STATED IN mm			ım	SURFACE TEXTURE UNLESS STATED		
	PROJECTION		$X \pm 0.5$ $X.X \pm 0.3$ $X.XX \pm 0.1$	ANGLE ±0.2°			1.6 /µm	
DIMENSION	NS IN mm UNLESS STA		ATERIAL & SPEC.		FIN:	ISH CLEAN		
		0,	STAINLESS STEEL	316		CLEAN	REMOVE ALL BURRS	
ISIS INJECTOR GROUP USED ON BUTTON BPM ASSEMBLY								
RUTHERFORD APPLETON LABORATORY, HARWELL OXFORD, CHILTON, OXON, OX11 0QX								
TITLE							SCALE UNLESS STATED	
Welded SMA Flange							2:1	
							SHEET 4 OF 7	

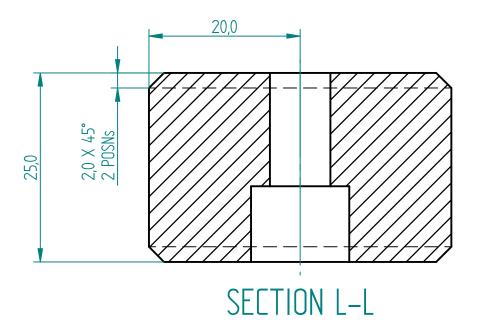


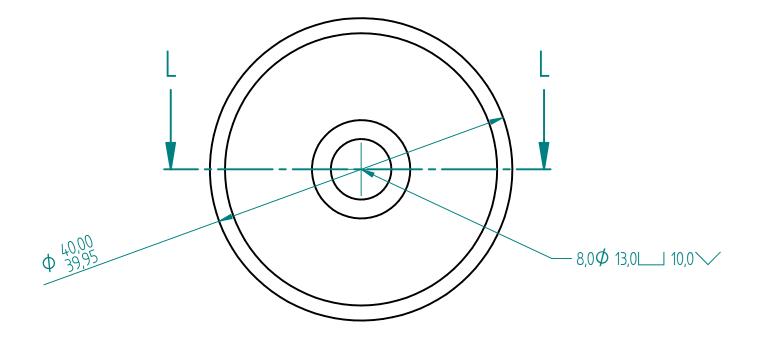


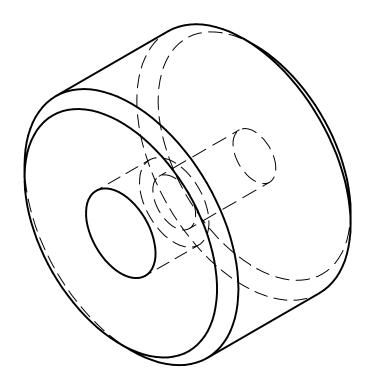




<b>Drawn By</b> Scott Lawrie	DATE 29/11/13 Checke	d By Pete Savage					
Sign → PROJECTION	TOLERANCES UNLESS STATED I $X \pm 0.5$ $X.X \pm 0.3$ ANGLE $\pm 0.3$ $X.XX \pm 0.1$		1.6 / µm				
IMENSIONS IN mm UNLESS ST	MATERIAL & SPEC. MACOR MACHINABLE CERAM	IC FINISH CLEA	N REMOVE ALL BURRS				
SIS INJECTOR GROUP	USED ON BUTTON BPM ASSEMBLY						
UTHERFORD APPLETON LABORATORY, HARWELL OXFORD, CHILTON, OXON, OX11 0QX							
ITLE			SCALE UNLESS STATED				
	Ceramic Ring						
			SHEET 6 OF 7				







Alignment piece to ensure correct rotation and positon of four buttons relative to central axis. Insertion and removal using M8 bolt.

		•	1			
Drawn B	y Scott Lawrie	DATE 29/11/13	Checked B	ly Pet	te Savage	
	PROJECTION	TOLERANCES UNLE $X \pm 0.5$ $X.X \pm 0.3$ $X.XX \pm 0.1$	SS STATED IN m		URFACE TEXT	URE UNLESS STATED  1.6  µm
DIMENSIO	NS IN mm UNLESS STAT	MATERIAL & SPEC STAINLESS STE		FINISH	CLEAN	REMOVE ALL BURRS
ISIS INJECTOR GROUP USED ON BUTTON BPM ASSEMBLY						
RUTHERFORD APPLETON LABORATORY, HARWELL OXFORD, CHILTON, OXON, OX11 0QX						
TITLE						SCALE UNLESS STATED
		1:1				
						SHEET 7 OF 7