

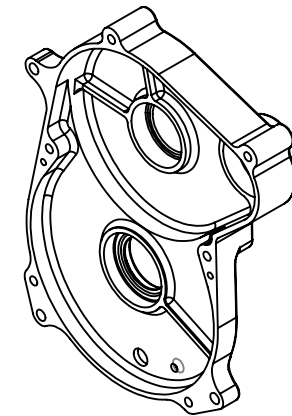
4

3

2

1

ALL INTERIOR FILLETS ON THE CAD ARE MAXIMUM VALUES AND CAN BE MACHINED SMALLER  
0.15in RADIUS FILLETS ARE AN EXCEPTION



6 X 1/4"-20  
SEE CAD FOR DIRECTION

$\phi 1.8499\text{IN}^{+0.0005}_{-0.0005}$   
INT. SHAFT BEARING  
6204 PRESS FIT

$\phi 1.8499\text{IN}^{+0.0005}_{-0.0005}$   
INPUT SHAFT BEARING  
6204 PRESS FIT

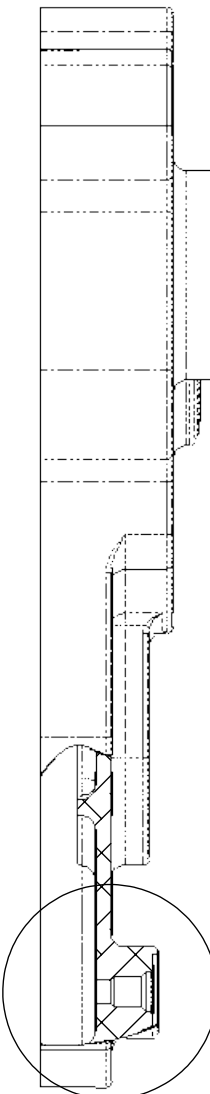
$\phi 3/16\text{'}$  DOWEL PIN  
LOCATING HOLE

$\phi 2.126^{+0.001}_{-0.001}$   
OUTPUT SHAFT BEARING  
R18 TRANSITION FIT

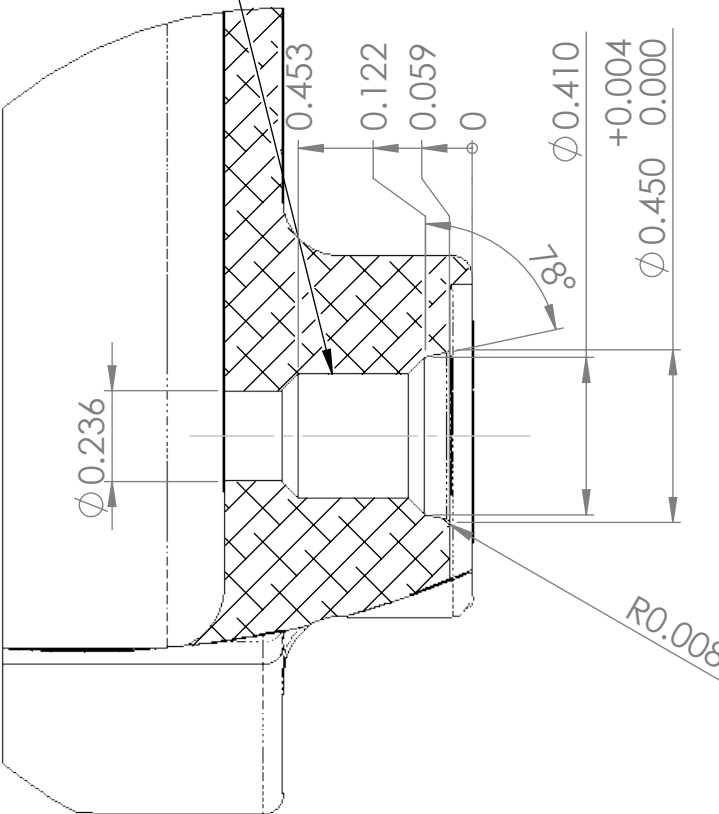
1/2-20 UNF RH

$\phi 3/16\text{'}$  DOWEL PIN  
LOCATING HOLE

TEMPERATURE SENSOR PORT  
SEE DETAIL A  
PER BS-ISO-6149-1:2006



M10 X 1.25 THREAD



DETAIL A  
SCALE 2:1

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: TWO PLACE DECIMAL $\pm 0.005$ THREE PLACE DECIMAL $\pm 0.0005$ INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL 6061-T6 FINISH DO NOT SCALE DRAWING	anselh.stu2019-03-17		University of British Columbia <b>BAJA SAE</b>	
	DRAWN	NAME Ansel Hail	DATE 2019/03/17	TITLE: GEARBOX HOUSING SIDE A
	CHECKED			
	ENG APPR.			
	MFG APPR.			
		Q.A.		SIZE B
		COMMENTS:		DWG. NO. 200-115
				REV
				SCALE: 1:2
				WEIGHT: 2.123 lbs
				SHEET 1 OF 1

3

2

1