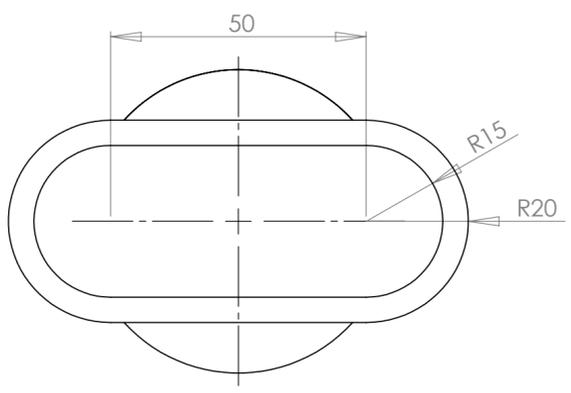
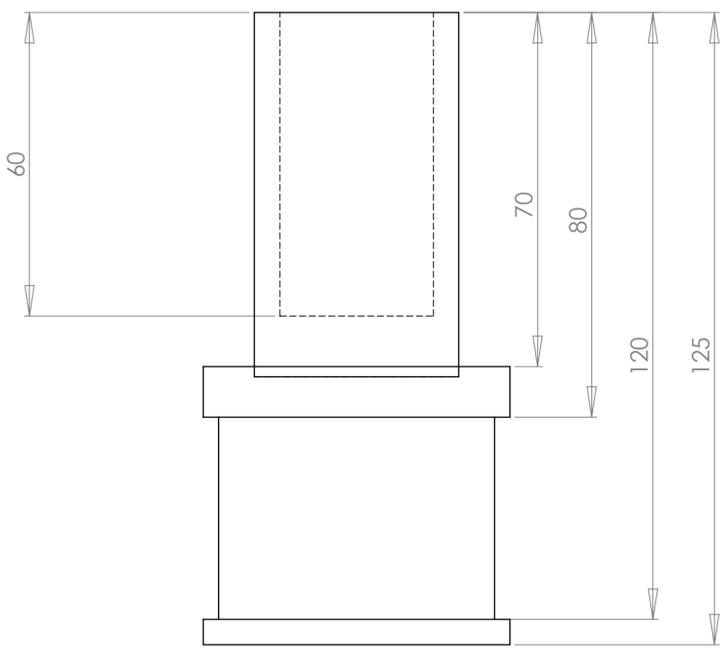


FRONT VIEW

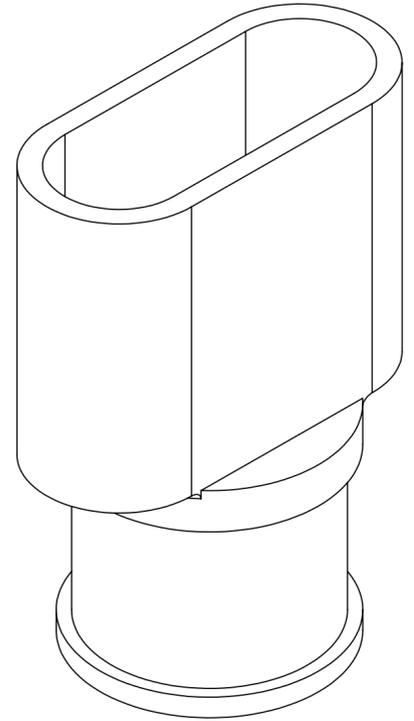


TOP VIEW



END VIEW

THE BLADE ROOT HOLDER IS THE MECHANISM THAT INTO WHICH THE BLADE PROFILE IS GLUED. THE BLADE ROOT HOLDER IS MECHANICALLY CLAMPED BETWEEN THE FRONT AND BACK HALF OF THE HUB. THE BLADE ROOT HOLDERS RELY ON CLAMPING FORCE TO MAINTAIN THEIR POSITION AND RIGIDITY. DUE TO THE NATURE OF THE CYLINDRICAL DESIGN OF THE HOLDER BASE, THE BLADE PITCH CAN BE ADJUSTED TO AN OPTIMUM LEVEL DEPENDING UPON THE AMOUNT OF ENERGY TO BE CONVERTED. THE UNIT IS MACHINED FROM SOLID ALUMINIUM.



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UNIVERSITY OF SOUTHERN QUEENSLAN	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN J.KIRSCH 6/10/09	NAME DATE	KH3- 500 WIND TURBINE
	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL	CHECKED		
		ENG APPR.		BLADE ROOT HOLDER
		MFG APPR.		
		Q.A.		SIZE DWG. NO. REV
		COMMENTS:		C 2
NEXT ASSY	USED ON	FINISH		SCALE: 1:1 SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING		