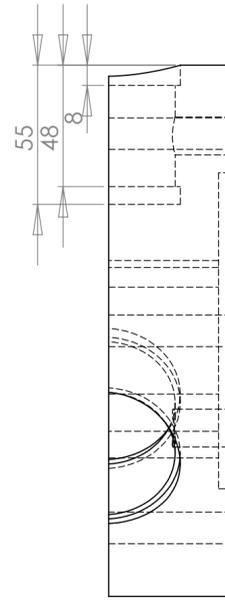
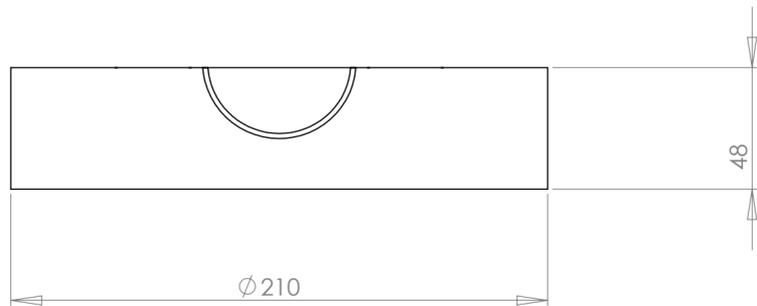


BACK VIEW



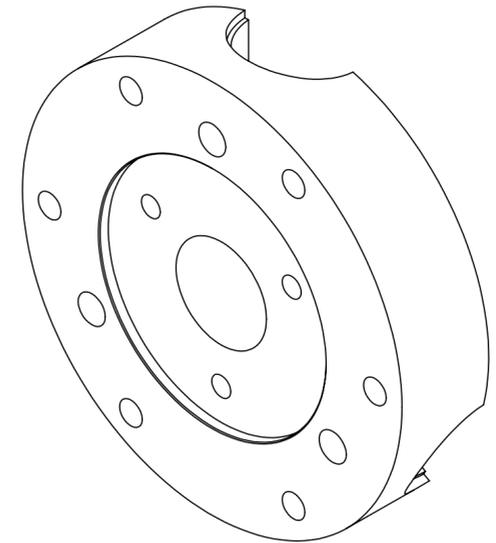
SIDE VIEW



TOP VIEW

THE HUB IS THE CENTRE OF THE AXIS OF ROTATION OF THE ROTOR ASSEMBLY. 3 CYLINDRICAL PROFILES ARE MACHINED INTO THE OUTER CIRCUMFERENCE OF THE HUB. THESE CYLINDRICAL PROFILES ACT AS A HOUSING FOR THE BLADE ROOT HOLDERS. THE BLADE ROOT HOLDERS ARE COMPRESSED BETWEEN THE TWO HUB COMPONENTS. CLAMPING FORCE IS PROVIDED BY 6 M12 STAINLESS STEEL BOLTS. THE REAR HUB SECTION HAS A 5MM DEEP RECESS MACHINED INTO IT. THIS ACTS AS A LOCATION POINT FOR THE DRIVE SHAFT SPIGGOT. THE SHAFT IS MECHANICALLY FASTENED WITH 3 M10 STAINLESS STEEL BOLTS.

THE HUB IS MACHINED FROM NYLON DUE TO ITS STRENGTH AND DAMPING CHARACTERISTICS. OTHER OIL BASED POLYMERS OR FIRBE COMPOSITES MAY BE USED.



**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF JOSUA KIRSCH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF JOSUA KIRSCH IS PROHIBITED.

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		
	FINISH	ENG APPR.		SIZE DWG. NO. REV
NEXT ASSY USED ON	APPLICATION	MFG APPR.		<b>C</b> 3
	DO NOT SCALE DRAWING	Q.A.		SCALE: 1:2 SHEET 1 OF 1
		COMMENTS:		