

F

E

D

C

B

A

F

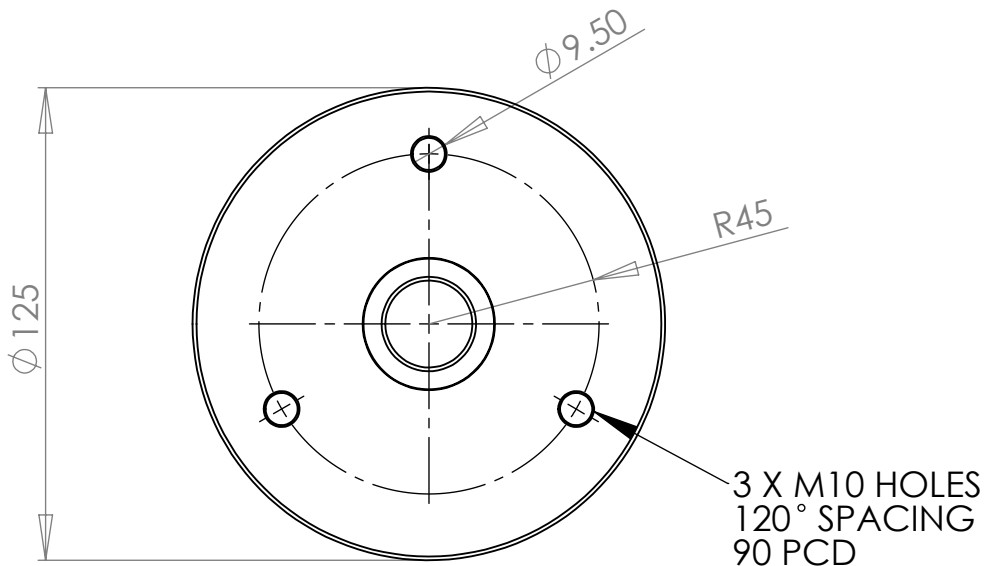
E

D

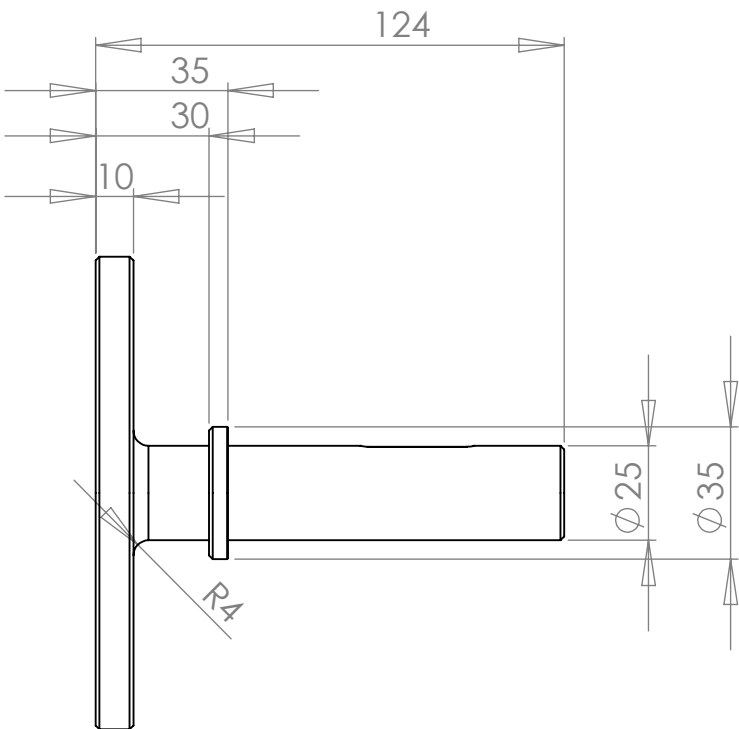
C

B

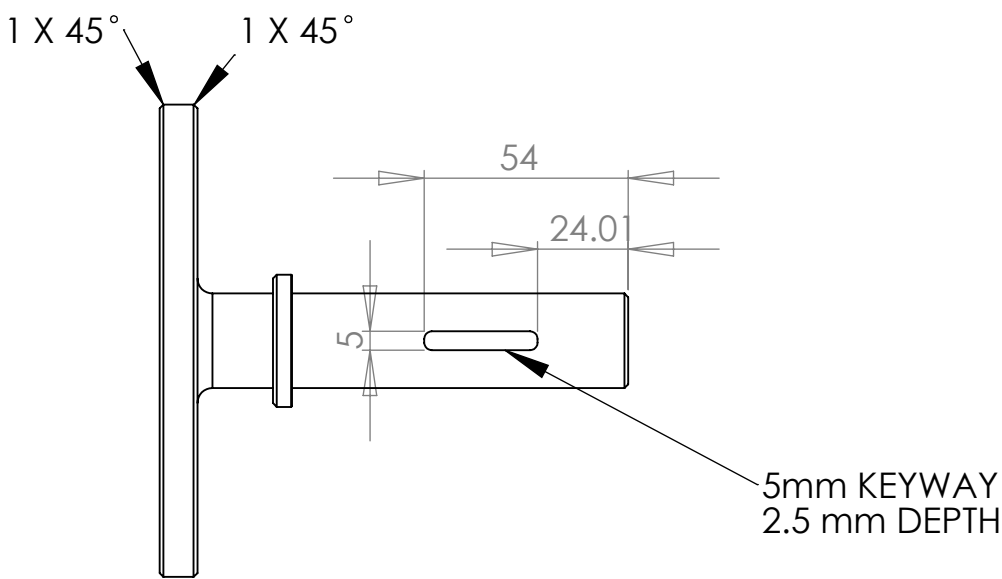
A



END VIEW

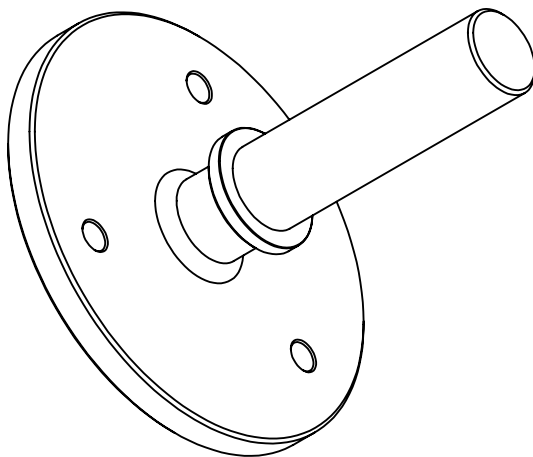


SIDE VIEW



TOP VIEW

THE DRIVE SHAFT IS A STAINLESS STEEL MACHINED SHAFT THAT TRANSMITS POWER FORM THE ROTOR SYSTEM TO THE GEARBOX. THE ROTOR HUB IS MECHANICALLY FASTENED TO THE SPIGGOT ON THE SHAFT USING 3 M10 BOLTS. THE RADIALLY LOADING APPLIED BY THE ROTOR IS EVENLY DISTRIBUTED AROUND THE SPIGGOT OD WHILST THE BOLTS ONLY PROVIDE AXIAL CLAMPING FORCE. A 5mm KEYWAY IS MACHINED INTO THE TOP SURFACE OF THE 25mm \varnothing SECTION OF THE SHAFT WHICH ACTS AS A DRIVING POINT FOR THE FIRST 72 TOOTH GEAR IN THE GEARBOX.



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