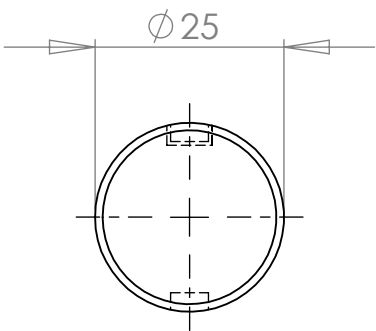
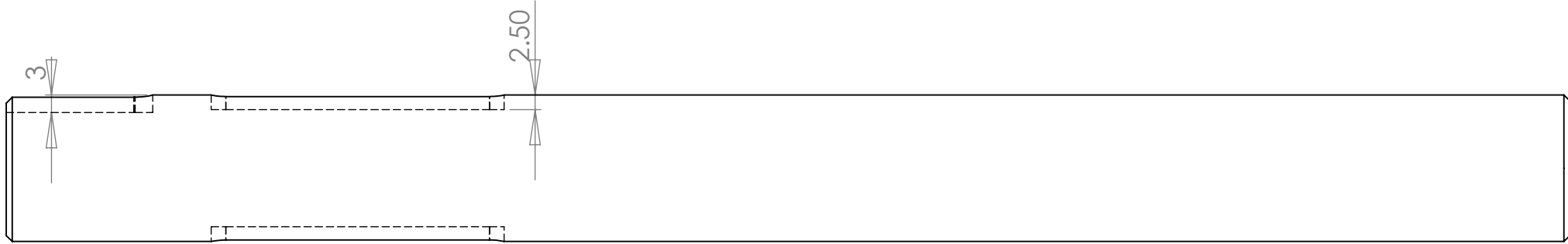


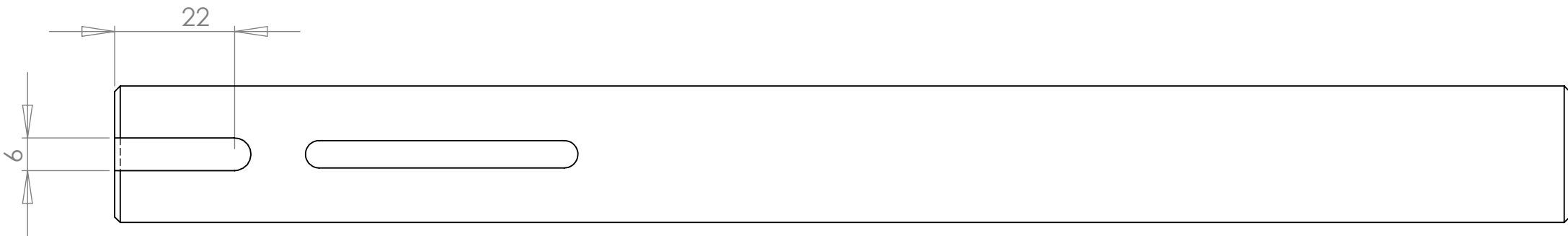
TOP VIEW



END VIEW

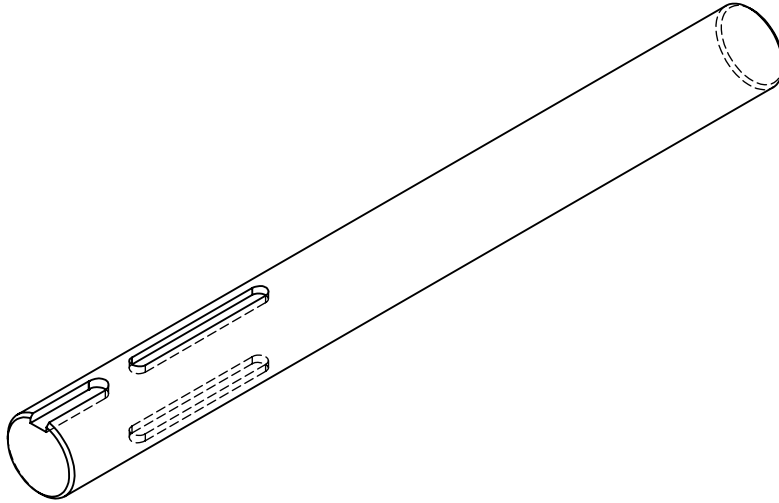


SIDE VIEW



BOTTOM VIEW

THE GENERATOR ROTOR SHAFT ACTS AS BOTH THE ROTOR SHAFT FOR THE GENERATOR AND ALSO THE CONTROL SHAFT FOR THE CENTRIFUGAL BRAKE. THE CENTRIFUGAL IS DRIVEN BY THE GENERATOR SHAFT ON THE INPUT SIDE AND IS COUPLED VIA 2 5mm KEYWAYS. THE ENTIRE SHAFT IS COUPLED TO THE PUTPUT SHAFT OF THE GEARBOX USING A SLEAVE WITH A 6mm KEY WAY BROACHED ON ITS INSIDE DIAMETER. THE RECIPROCATING KEY WAY IS MACHINED INTO THE FRONT END OF THE SHAFT AND ACTS AS THE COUPLING POINT.



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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		TITLE:  GENERATOR ROTOR SHAFT	
				CHECKED							
				ENG APPR.							
		INTERPRET GEOMETRIC TOLERANCING PER:		MFG APPR.							
		MATERIAL		Q.A.							
		FINISH		COMMENTS:							
NEXT ASSY		USED ON						SIZE		DWG. NO.	
								C		18	
APPLICATION		DO NOT SCALE DRAWING						SCALE: 1:1		SHEET 1 OF 1	