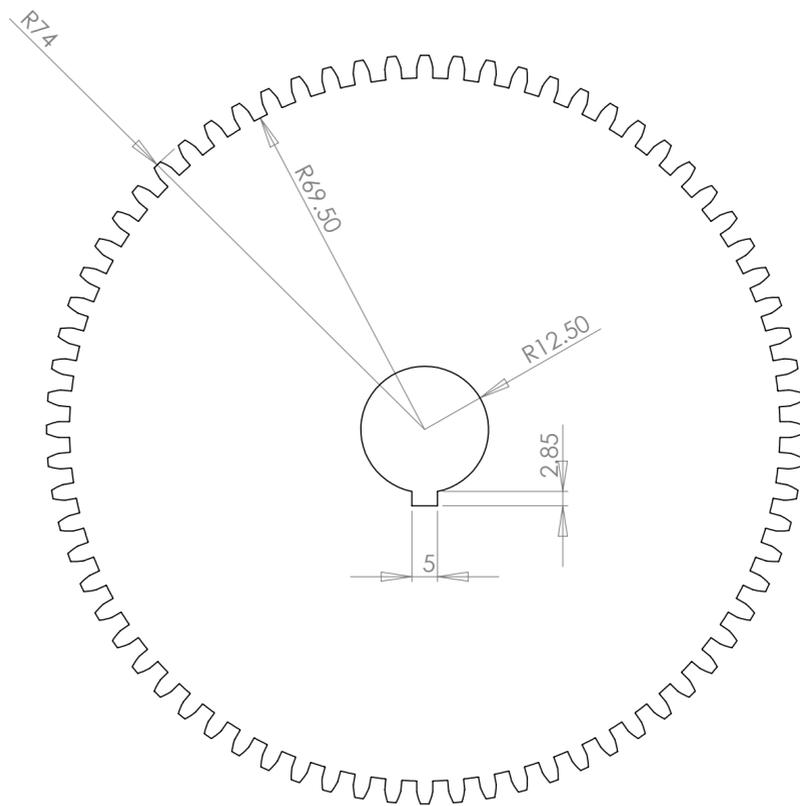


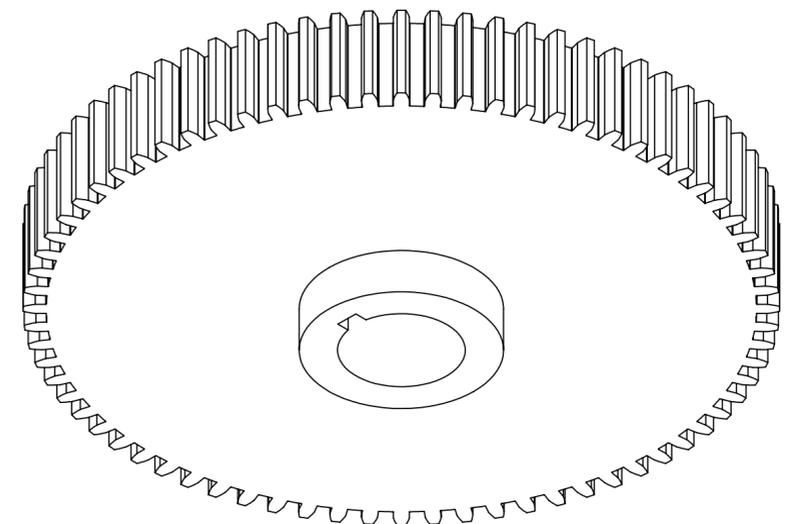
TOP VIEW

THE 72 TOOTH SPUR GEAR IS THE FIRST GEAR IN THE GEARBOX. IT IS LOCATED ON THE INPUT SHAFT AND LOCATED BY A 5MM KEYWAY. THE GEAR IS MACHINED FROM 4140. THE GEAR IS THEN THROUGH HARDENED AND SURFACE NITRIDED TO INCREASE WEAR RESISTANCE.



FRONT VIEW

GEAR TOOTH PROFILE
MODULE 2
72 TOOTH SPUR GEAR



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UNIVERSITY OF SOUTHERN QUEENSLAND		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME J.KIRSCH	DATE 6/10/09	KH3- 500 WIND TURBINE	
NEXT ASSY		USED ON		CHECKED		TITLE: 72 TOOTH SPUR GEAR	
APPLICATION		DO NOT SCALE DRAWING		ENG APPR.		REV	
				MFG APPR.		SIZE DWG. NO. REV C 7	
				Q.A.		SCALE: 1:1 SHEET 1 OF 1	
				COMMENTS:			