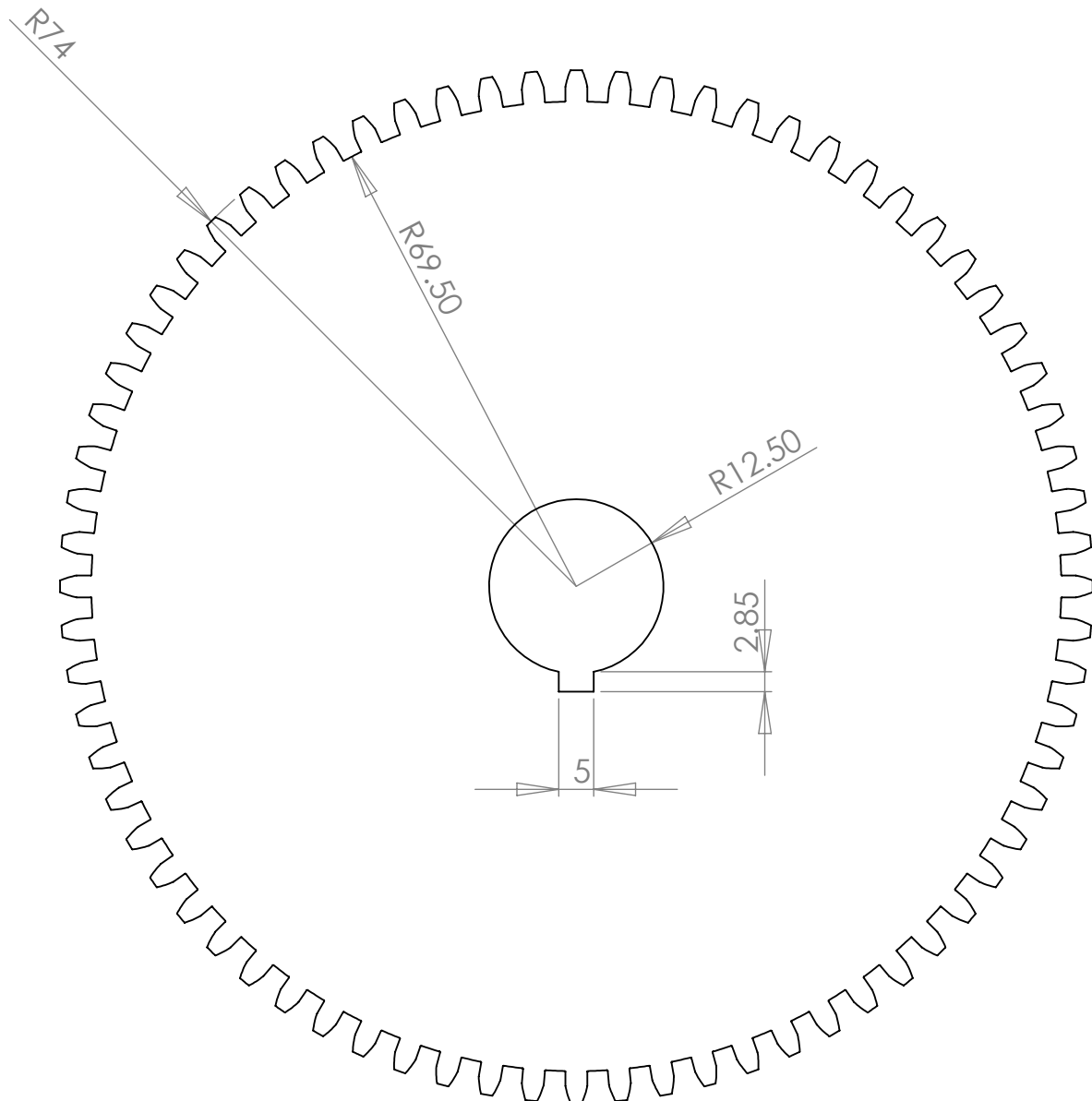


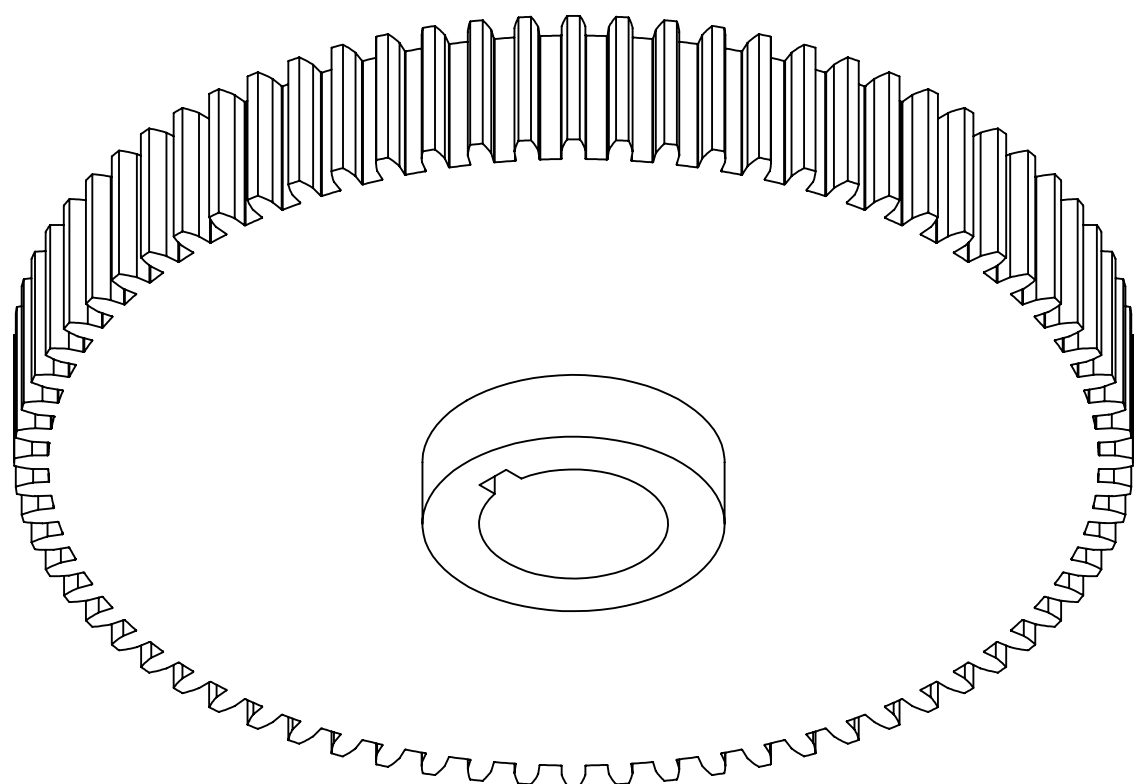
TOP VIEW

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 ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME	DATE	KH3- 500 WIND TURBINE		
		DRAWN	J.KIRSCH	6/10/09	TITLE:		
		CHECKED			72 TOOTH SPUR GEAR		
		ENG APPR.					
	INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
	MATERIAL	COMMENTS:			SIZE	DWG. NO.	REV
NEXT ASSY	USED ON				C	7	
APPLICATION	DO NOT SCALE DRAWING				SCALE: 1:1		SHEET 1 OF 1