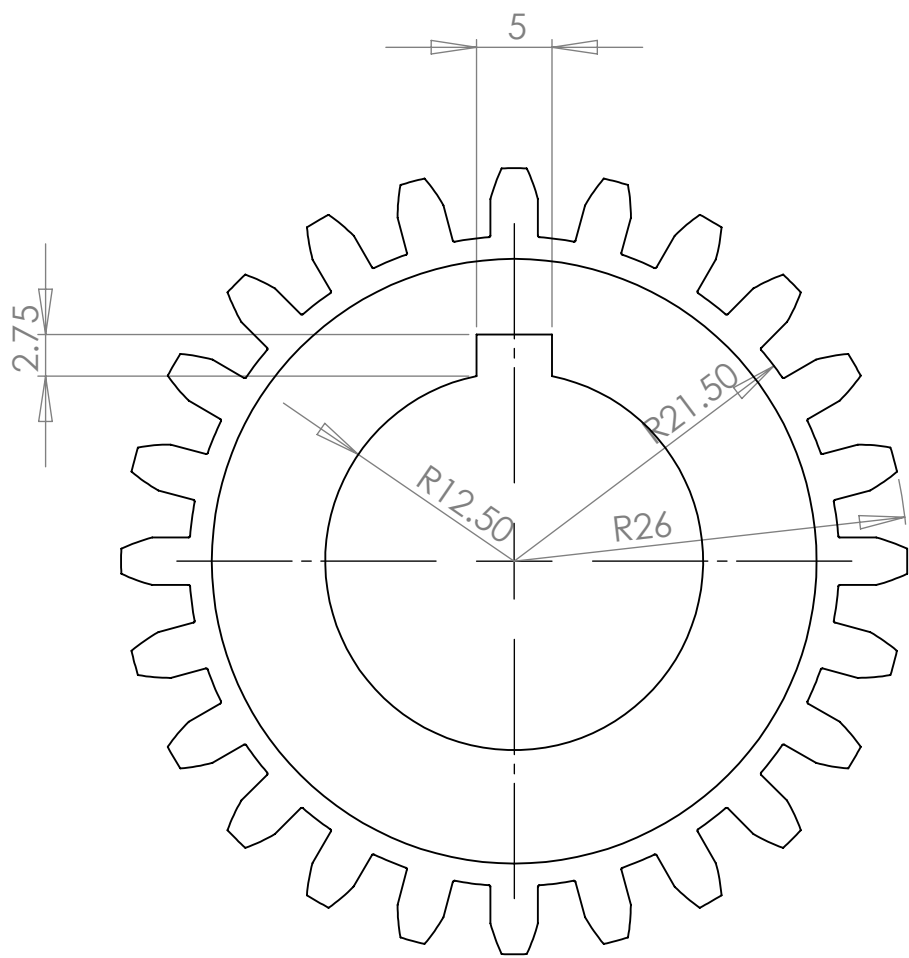


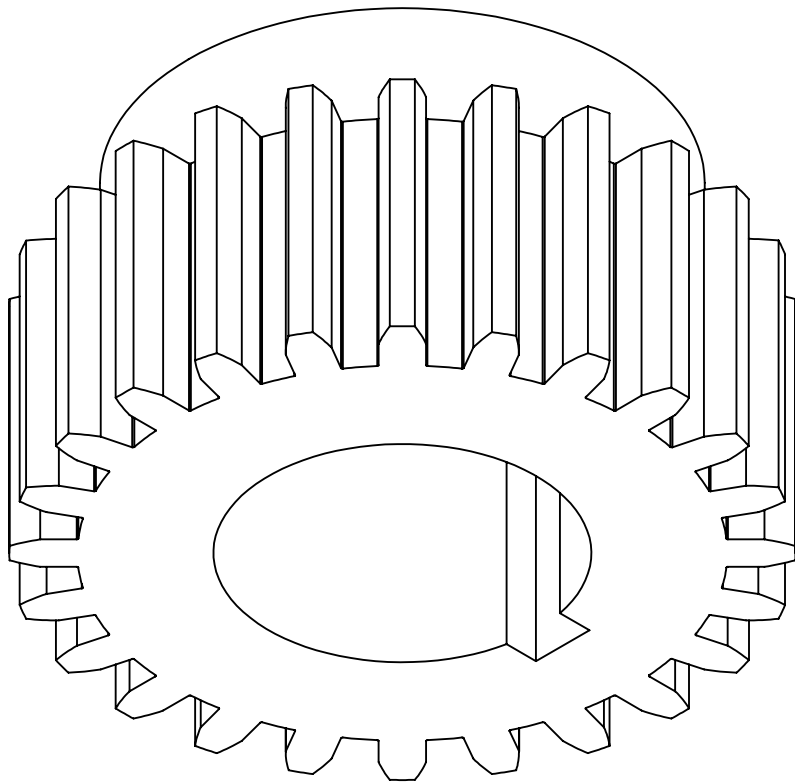
TOP VIEW



END VIEW

THE 24 TOOTH SPUR GEAR IS THE 2nd AND 4th GEAR IN THE GEAR BOX.  
IT IS LOCATED ON THE SECONDARY SHAFT AND THE TERTIARY OUTPUT SHAFT  
AND COUPLED TO THE SHAFT BY A 5mm KEYWAY ON ITS 25mm  $\varnothing$  BORE.  
THE GEAR MATERIAL IS 4140 AND IS THROUGH HARDENED AND NITRIDED POST MACHINING'  
TO INCREASE ITS STRENGTH AND WEAR RESISTANCE.

24 TOOTH SPUR GEAR  
GEAR TOOTH PROFILE  
MODULE 2



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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:  24 TOOTH SPUR GEAR			
				CHECKED									
				ENG APPR.									
				MFG APPR.									
		INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.									
		MATERIAL		COMMENTS:				SIZE		DWG. NO.		REV	
NEXT ASSY		USED ON				C		8					
APPLICATION		DO NOT SCALE DRAWING				SCALE: 2:1				SHEET 1 OF 1			