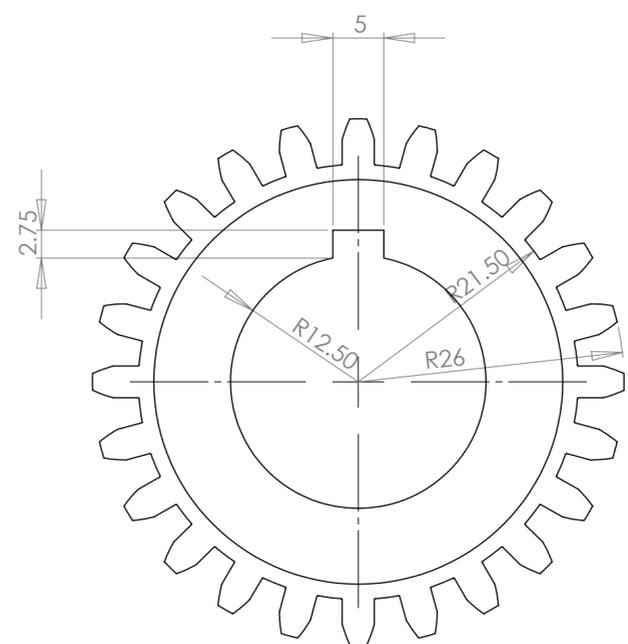
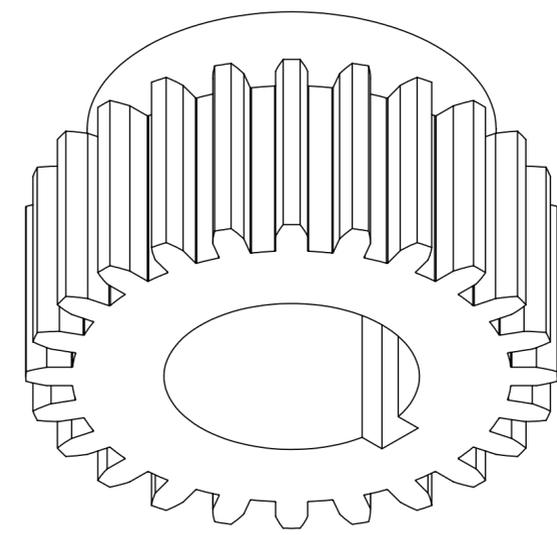


TOP VIEW



END VIEW

24 TOOTH SPUR GEAR
GEAR TOOTH PROFILE
MODULE 2



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 ϕ BORE. THE GEAR MATERIAL IS 4140 AND IS THROUGH HARDENED AND NITRIDED POST MACHINING' TO INCREASE ITS STRENGTH AND WEAR RESISTANCE.

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UNIVERSITY OF SOUTHERN QUEENSLAN	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	DRAWN J.KIRSCH 6/10/09	NAME DATE	KH3- 500 WIND TURBINE
	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL	CHECKED		
	FINISH	ENG APPR.		SIZE DWG. NO. REV C 8
NEXT ASSY USED ON	APPLICATION	MFG APPR.	COMMENTS:	SCALE: 2:1 SHEET 1 OF 1
	DO NOT SCALE DRAWING			