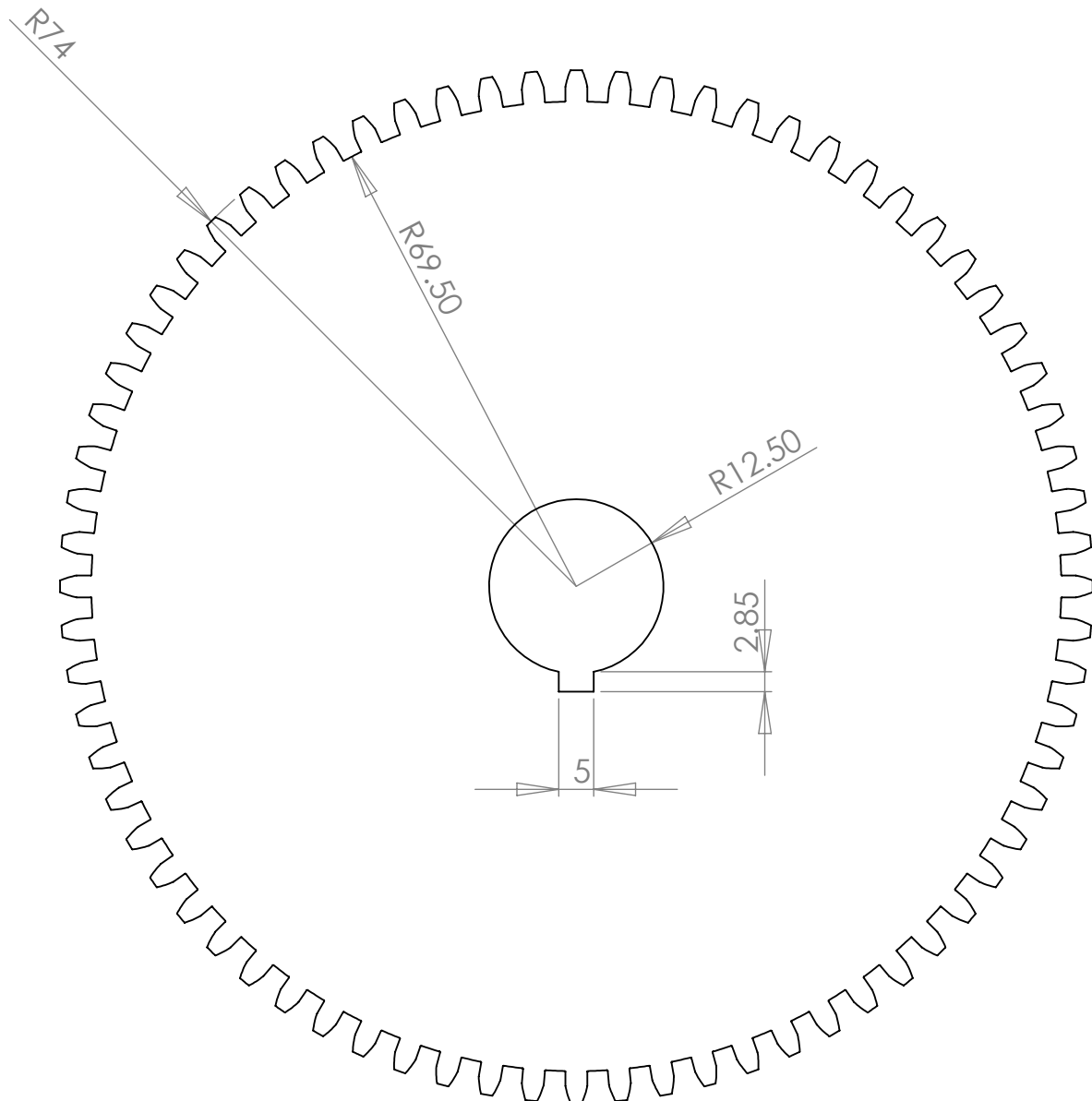


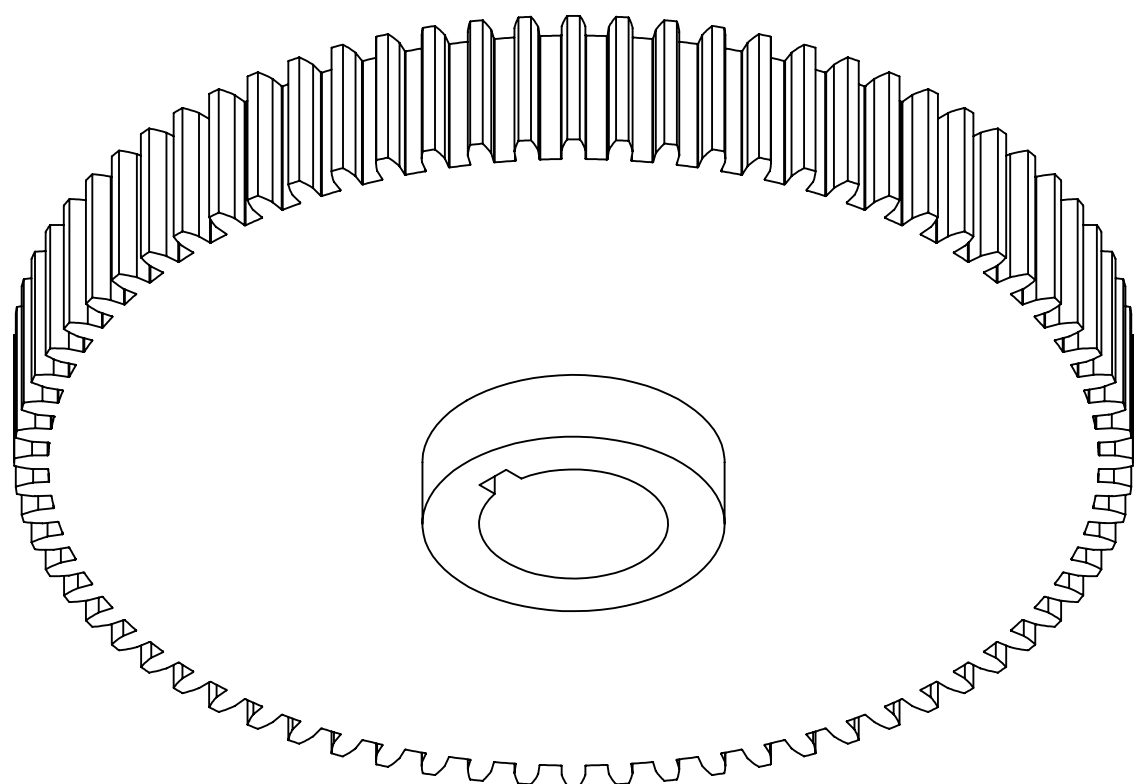
TOP VIEW

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