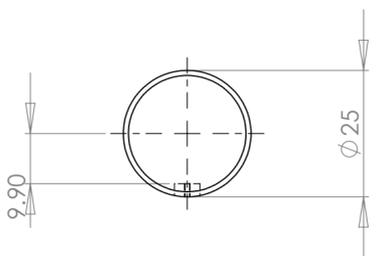
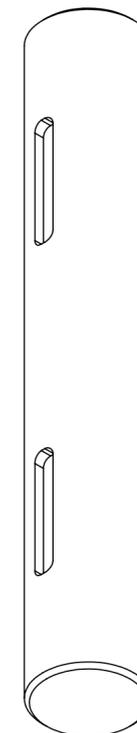


TOP VIEW



END VIEW

THE SECONDARY SHAFT HOLDS BOTH A 24 TOOTH AND A 72 TOOTH SPUR GEAR.  
 THE 24 TOOTH SPUR GEAR IS THE SECONDARY GEAR AND IS DRIVEN BY THE 72 TOOTH  
 GEAR ON THE INPUT SHAFT. THE 72 TOOTH GEAR ON THE SECONDARY SHAFT TRANSMITS TORQUE  
 TO A SECOND 24 TOOTH GEAR LOCATED ON THE OUTPUT SHAFT.  
 THE SHAFT MATERIAL IS STAINLESS STEEL. THE SHAFT SIZE CAN BE BOUGHT DIRECTLY OFF THE SHELF  
 HOWEVER THE KEYWAYS NEED TO BE MILLED INTO THE APPROPRIATE LOCATION.



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|                                   |  |  |  |           |          |                       |                 |
|-----------------------------------|--|--|--|-----------|----------|-----------------------|-----------------|
| UNIVERSITY OF SOUTHERN QUEENSLAND |  | UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>FRACTIONAL ±<br>ANGULAR: MACH ± BEND ±<br>TWO PLACE DECIMAL ±<br>THREE PLACE DECIMAL ± |  | NAME      | DATE     | KH3- 500 WIND TURBINE |                 |
|                                   |  | INTERPRET GEOMETRIC TOLERANCING PER:<br>MATERIAL   |  | DRAWN     | J.KIRSCH | 6/10/09               | TITLE:          |
|                                   |  | FINISH   |  | CHECKED   |          |                       | SECONDARY SHAFT |
| NEXT ASSY                         |  | USED ON  |  | ENG APPR. |          |                       | SIZE DWG. NO.   |
| APPLICATION                       |  | DO NOT SCALE DRAWING   |  | MFG APPR. |          |                       | <b>C</b> 9      |
|                                   |  |  |  | Q.A.      |          |                       | REV             |
|                                   |  |  |  | COMMENTS: |          |                       | SCALE: 1:1      |
|                                   |  |  |  |           |          |                       | SHEET 1 OF 1    |