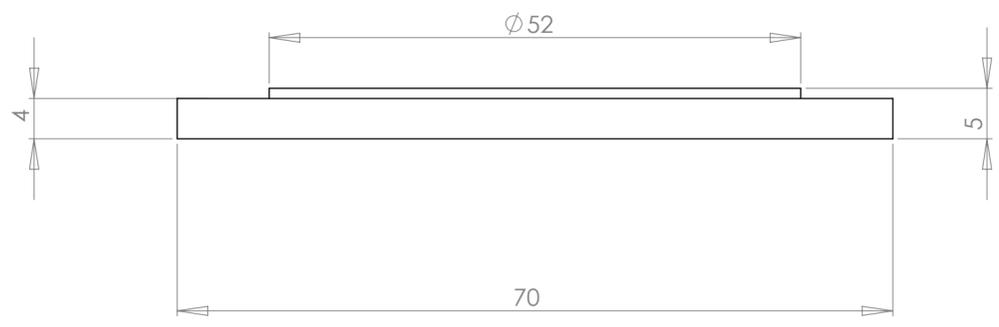


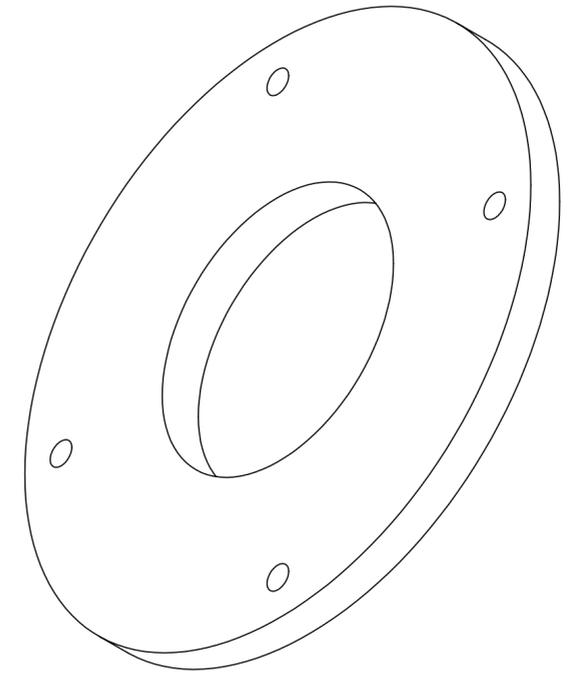
4 X ϕ 3 mm HOLES
PCD 60mm, 90° SPACING

FRONT VIEW



TOP VIEW

THE BEARING RETAINERS ARE SMALL NYLON PLATES THAT CONSTRAIN THE AXIAL MOVEMENT OF THE ROLLER BEARINGS IN THE GEAR BOX. THE GEAR BOX CONTAINS 6 ROLLER BEARINGS WHICH ARE ALL LOCATED IN THE GEARBOX HOUSING. THEY ARE A SIZE ON SIZE FIT WITH THE BORE HOWEVER THEY CAN STILL MOVE WHEN SUBJECT TO VIBRATION. FOR THIS REASON THE RETAINING PLATES ARE EMPLOYED. THEY MACHANICALLY FASTEN TO THE GEARBOX HOUSING, LOCATING THE BEARING BORE ON THE STEEPED SHOULDER OF THE BOTTOM SIDE OF THE PART. THE RETAINER CONSTRAINS THE BEARING AXIALLY AND ALSO ACTS AS A SPACER FOR THE SPUR GEARS.



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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	TITLE: BEARING RETAINER
		TOLERANCES:		CHECKED			
		FRACTIONAL \pm		ENG APPR.			
		ANGULAR: MACH \pm BEND \pm		MFG APPR.			SIZE DWG. NO. REV
		TWO PLACE DECIMAL \pm		Q.A.			C 11
		THREE PLACE DECIMAL \pm		COMMENTS:			SCALE: 2:1 SHEET 1 OF 1
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON	APPLICATION					
		DO NOT SCALE DRAWING					