

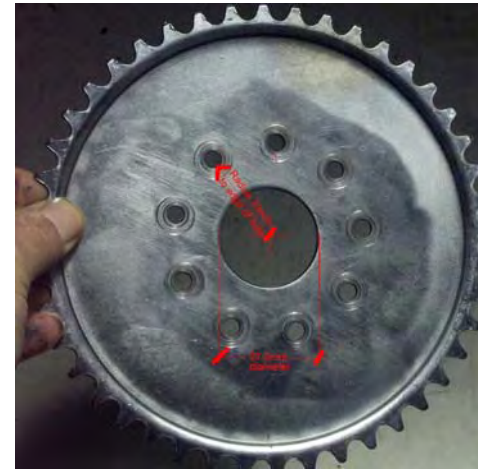
FOSSCATI GARAGES

THE FOLLOWING TWO DRAWINGS ARE FOR THE FABRICATION OF A 50 & 52 TOOTH SPROCKET FOR A MOTORISED BICYCLE THAT WILL FIT OVER A SHIMANO NEXUS 7 SPEED INTERNALLY GEARED BICYCLE WHEEL HUB WITH A COASTER BRAKE.

THE SHIMANO NEXUS 7 SPEED HUB LOOKS LIKE THIS:



THE SPROCKET HAS TO FIT OVER THE HUB ON THE SIDE WITH THE COASTER BRAKE LEVER. IT THEREFORE NEEDS TO HAVE A CENTRE HOLE THAT WILL FIT OVER THE 53MM DIAMETER HUB. STANDARD SPROCKETS WITH BOLT HOLES THAT WILL CLEAR THE 93MM DIAMETER SPOKE FLANGE AND ALLOW THE SPROCKET TO CLAMP TO THE SPOKES. A STANDARD SPROCKET WILL NOT FIT ON THIS HUB SO A NEW SPROCKET IS REQUIRED. A STANDARD SPROCKET LOOKS LIKE THIS:



AND CLAMPS TO THE WHEEL AS SHOWN IN PICTURES BELOW:



THE FOLLOWING TWO DRAWINGS SHOW THE DIMENSIONS FOR THE NEW SPROCKET.

50 or 52 Tooth Sprocket
Drawn diagrammatically.
52 tooth sprocket is approx 216mm Dia.
NOTE: Sprocket teeth are not to scale.



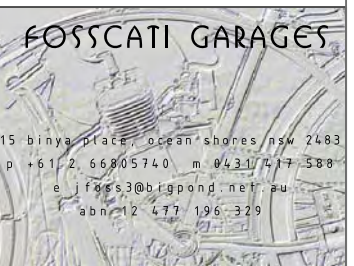
Galv Steel Clamps 2.5mm thick
20mm width. 2 No. Pieces

53mm Dia. Shimano Nexus —
7spd Hub shown dotted behind

93mm Dia. Shimano Nexus —
spoke flange shown dotted behind

55mm Dia. Centre Hole
For mounting on hub.

Scale: 1:1 All Dimensions in Millimetres



issue

A	32.07.2006	JF	PRELIMINARY ONLY
entry no.	Date	Drawn	Description

project
**50 & 52 TOOTH
SPROCKET & CLAMP**
To Fit a Shimano Nexus 7 Hub

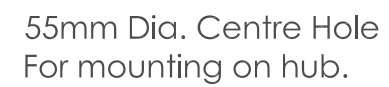
FRONT VIEW

date **July 2008**

scale **1:1 @ A3**

dwg no. **FG-01**

50 or 52 Tooth Sprocket — Drawn diagrammatically.
NOTE: Sprocket teeth are not to scale.



FOSSCATI GARAGES

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