



BEARING PROTECTION FOR EXTREME ENVIRONMENTS

More land conversion from marginal ground, means agricultural machines are being subjected to ground conditions that test them to the absolute limit. The Cambridge Roller being the drill of choice after virgin ground has been broken in, means gang bearings cop a lot of punishment from foreign bodies such as rocks and timber.

Out of some of the South Island's stoniest soil's was born the answer - **DuraFlex®**

Close collaboration with 4AG's European factory design team, produced a simple rubber encased housing system for the bearing. This high density industrial elastomer material completely surrounds the bearing mounted within, cushioning it from shock and impact through the roller rings, and greatly extending the life of the bearing.

ANGULAR CONTACT BEARING – RALLY PROVEN

The designers didn't stop there though, and used an automotive type double-row angular contact bearing to provide even more assurance. This type of bearing handles massive side-loadings typically experienced in a vehicle front wheel, and is fully sealed, meaning no greasing is required by the operator. The actual bearing size is the same as used in the front wheel of the Skoda Fabia WRC rally car – an application many times more demanding than an agricultural roller!



DURAFLEX®

RUBBER BEARING MOUNTING