



# HARRYBILT ENGINEERING





# THE HI BRID RAIL SYSTEM



Harrybilt Engineering have developed a customised rail system. The Hi Brid allows a wheeled excavator to run on both standard and narrow gauges.

This unique system means the machine is set up the same as the Rail Guidance System; with the excavator's tyres providing acceleration and braking on the rail head when running on standard gauge. On narrow gauge, the machine tyres contact a drum that drives the rail wheels. This is also known as a friction drive set-up.

The dual-gauge system was developed after discussing with customers in the rail industry that by having a machine that has the capability to switch between narrow and standard gauge networks, it would significantly increase their efficiency. After listening to this customer feedback, Harrybilt Engineering designed and manufactured the Hi Brid System to best suit the needs of the industry.

The Hi Brid System includes 4 failsafe braked rail wheels for increase safety, twist for negotiating track irregularities and is fully compliant with Australian Rail Standard AS7502.

This rail system is managed from inside the driver's cab via a programmable logic controller (PLC) system. All controls are fitted inside the driver's cab, which allows for a safe and efficient work environment for the operator.





# TURN KEY SOLUTION

Harrybilt Engineering offer a turnkey solution for converting a vast variety of Excavator and Truck makes and models to run on rail. This includes managing the purchase of the machine and the installation of the Rail System, as well as supporting registration for required networks around Australia.

The team can also handle the purchase and installation of a Tiltrotator along with Harrybilt Engineering's own wide range of Rail Maintenance Attachments, making all projects a true rail ready solution. This package is available with the Hi Brid Rail System. The team can manage the machine purchase of a Wheeled Excavator to fit the Hi Brid Rail System along with all other features included in the turnkey solution package.



Released in 2019, the Hi Brid was designed locally by Harrybilt Engineering's specialist team of railway maintenance equipment engineers. Since 2001, the company has been designing and manufacturing Hi Rail and Rail Guidance Systems for road rail vehicles. In addition to this, the team have years of experience in manufacturing equipment for the rail industry since 1985.



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