



**HARRYBILT  
ENGINEERING**

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[www.harrybilt.com.au](http://www.harrybilt.com.au)



**RAIL  
CATALOGUE**

# THE S SERIES RAIL MACHINE

Harrybilt Engineering have partnered with Hitachi Construction Machinery to deliver the **S Series Rail Machine**, developed for the operator.

Operators need a machine that can withstand the most severe working conditions while remaining safe, versatile, efficient and simple to operate. Harrybilt Engineering provide rail ready machines that are designed, built, tested and registered for most networks in Australia.



**FOR MORE INFORMATION ON THE S SERIES, PLEASE VISIT OUR WEBSITE**

[www.harrybilt.com.au/s-series](http://www.harrybilt.com.au/s-series)



# THE HI BRID RAIL SYSTEM



By listening to this customer feedback, Harrybilt Engineering designed and manufactured the **Hi Brid Rail System** to best suit the needs of the industry.

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

**FOR MORE INFORMATION ON THE HI BRID, PLEASE VISIT OUR WEBSITE**

[www.harrybilt.com.au/hi-brid](http://www.harrybilt.com.au/hi-brid)



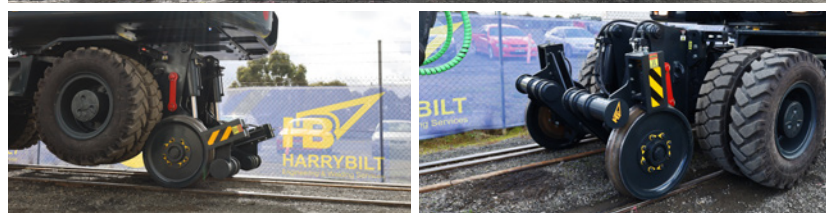
# RAIL GUIDANCE SYSTEM (RGS) HI RIDE

**NEW!**

Harrybilt Engineering have developed a customised Rail System; the **RGS Hi Ride System** is a Standard Gauge set-up, uses a Friction Drive mode to travel over train stops and some train platforms.

The RGS Hi Ride is AS7502 compliant, braking with integrated disk service brakes and fail-safe tread brakes on the rail wheels.

The system is Rail Guidance (direct drive) for superior stability, pulling and stopping performance with a revised load chart and a compliant twist mechanism for each configuration.



**FOR MORE INFORMATION ON THE HI RIDE, PLEASE VISIT OUR WEBSITE**

[www.harrybilt.com.au/hi-ride](http://www.harrybilt.com.au/hi-ride)





## RAIL GUIDANCE SYSTEM (RGS)



Harrybilt Engineering's own **Rail Guidance System** is compliant to AS7502 and can be fitted to Wheeled Excavators, Backhoe Loaders and Trucks. This rail system provides a stable and safe platform for the base vehicle to operate efficiently on Broad and Standard gauge or Narrow Gauge rail lines.

Using the original wheels of the machine to drive and stop, the RGS provides superior traction for acceleration and braking, making it a very compact and efficient solution for more rail conversions in terms of cost, weight, safety and productivity. The simplicity of the system makes it very reliable in the field, providing unrivalled uptime

## HI RAIL SYSTEM



**The Hi Rail System** is also compliant to AS7502 and adapts track excavators and trucks for rail applications. This rail system is triple gauge changeable and is propelled by hydraulic motors installed within the rail system.

The rail system is integrated into the main chassis and hydraulic deployment to rail is controlled and monitored by a PLC system with the display mounted within the cabin.

For tracked excavators, the Hi Rail System is the most versatile solution, providing more flexibility where to get on and off the rail track and moving around site, as well as on any of the 3 gauges, whilst clearing most train stops.

The system has evolved over time through implementing operator feedback, making it the robust design it is today.



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# THE ONE STOP SHOP FOR ALL YOUR RAIL NEEDS

All equipment is proudly made in Australia, designed to the highest standards and proven in the harshest conditions that are designed specifically for the rail market.

## RAIL MAINTENANCE ATTACHMENTS

Harrybilt Engineering manufacture high quality and extremely durable Rail Maintenance Equipment. Please see the Attachment Catalogue for the full Attachments & Handling Equipment Range.



CENTIPEDE



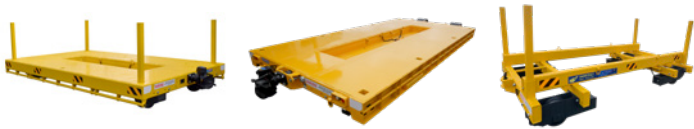
PLATYPUS



OCTOPUS



TAMPERS



RAIL TRAILERS

## TILTROTATORS

Harrybilt Engineering are dealers of Engcon Tiltrotators. Tiltrotators are used on excavators in the rail and civil markets to ensure safe and efficient work in all types of working conditions. With 45 degrees of tilt and with full rotation, the Engcon Tiltrotators can be adapted to fit all machines on the market. Its flexibility and efficiency is ideal for all rail applications.

Some spare parts are also kept on the shelf at to support company's maintenance activities.



## SPARE PARTS

There is an extensive range of high quality spare parts ready for immediate delivery.

### Spare Parts Include:

- Rail Wheels – various sizes
- Rail Wheel Insulation Kits
- Hydraulic Cylinders
- Platypus Clamp Pads
- Rail Wheels Hubs and Bearings
- Fork Tynes
- Tamper Rubbers
- Rail Threader Rollers
- Various Seal Kits



## COMPLIANCE & TESTING

Harrybilt Engineering have experience and accredited staff that are able to provide testing and network support for all types of Road Rail Vehicles for various rail networks in Australia. Testing is conducted with a range of testing equipment and a 60m triple gauge test track located on site.



## WE'LL KEEP YOU ON TRACK

VIEW OUR ROAD RAIL VEHICLES  
ONLINE AT:

[harrybilt.com.au/road-rail-vehicles.html](http://harrybilt.com.au/road-rail-vehicles.html)



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