

# MANUFACTURER & SUPPLIER OF ROLLING STOCK SPARES

Brakes Bogies Couplers Drawgear



[www.sable.co.bw](http://www.sable.co.bw)

# MANUFACTURER & SUPPLIER

**Sable Engineering (Pty) Ltd is a manufacturer and supplier of engineered parts and components for the railroad industry.**

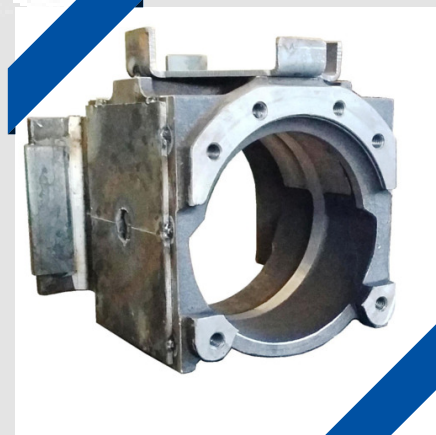
We engineer parts as well as work on wagons which have been sourced both regionally and internationally, these include wagons made by ZECO (Zimbabwe Engineering Company), China North Rail (CNR), Dorbyl and Transnet Engineering.

## **Bogies**

We manufacture and supply springs, levers, friction wedges and bearing adaptors for a number of different bogies including the Issels A3 Ride Control, CNR Chinese Bogies, Spoorbarber and HS Mk.VII.



*Friction wedge pattern*



*EMD bearing adaptor*



*Wagon bogie pins*

We supply wagon and carriage couplers such as Alliance which were originally fitted to ZECO manufactured wagons as well as the Saskop MS, Saskop SS and the E Type coupler which are common on the Transnet manufactured wagons. The machining of the knuckle pins, lifter pins, lock pins, coupler pins, bushes and assembly is done in Gaborone.

## **Brakes**

Brake components that we manufacture for wagons, include a number of different brake beams, brake shafts, hangers, vacuum cylinder pushrods, bearings, vacuum reservoirs, pipe clips, vacuum brake lines, levers, pushrods, pull rods and dummy holders to name a few.

We also supply a large number of standard items such as hoses, vacuum couplings, dummies, release valves, brake cylinder kits and brake cylinders.

## **Wagon Spares**

Non-brake related items that we manufacture for wagons include stanchions for drop-sided wagons, door springs, footsteps, pins, hinges, doors, label holders, hooks, handles, hopper discharge mechanisms among many other items.

Some of the parts that we manufacture are no longer available from the original manufacturers, so whether a single part is required or a high volume production run, we should be able to assist.



*Complete new vacuum lines (including reservoirs) and door springs being fitted to Botswana Railways wagons*

# OF ROLLING STOCK SPARES

## Resources

We continually invest in machinery, tooling, jigs and foundry patterns that are specifically used to manufacture rail related products.

The machines include the recent purchase of a computer controlled pipe bending machine used to accurately bend thick walled 65mm vacuum brake lines as well as our Haas CNC lathe which is used to rapidly machine pins, bushes, vacuum cylinder push rods among many other products.

We have an assortment of foundry patterns which are safely housed at our facility in Gaborone and belong to our company. These include patterns for brake shoe holders, bolster friction wedges and bearing adaptors amongst others.

Over the last few years we have expanded the range of products that we can supply by forming good relationships with other manufacturers. Although our core business is still in the manufacture of parts and components we are now able to provide a more complete service by stocking supplied goods in addition to those that we manufacture.

## Locomotive Spares

We have experience in manufacturing locomotive parts for both GE & EMD motive power. The parts that we manufacture mostly consist of brake and axle components such as brake levers, slack adjusters, brake rigging, straps, guides, tie bars, speedometer hubs and bearing adaptors.

The GE & EMD locomotives make use of fixings and fasteners with unified threads which are not always readily available, so we often have to machine various bolts from billet steel for the engine, compressor, generator, and traction motors.

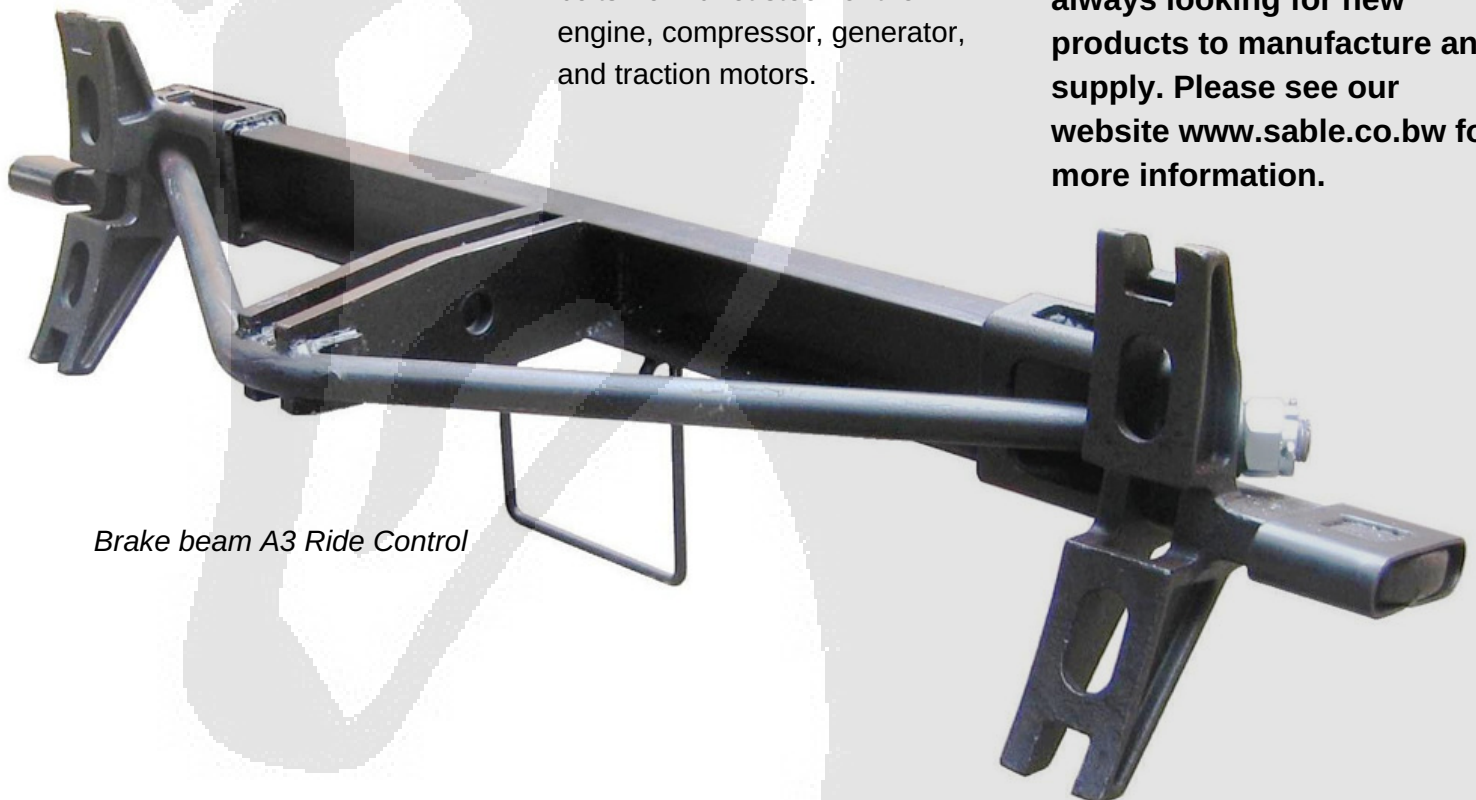


*Wagon bogie springs and locomotive tie bars*

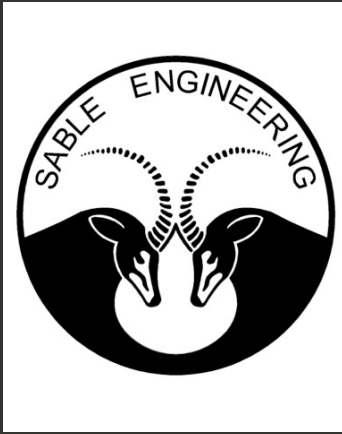


*Vacuum cylinder pushrod heads*

**We have a well equipped machine shop and fabrication shop and we are always looking for new products to manufacture and supply. Please see our website [www.sable.co.bw](http://www.sable.co.bw) for more information.**



*Brake beam A3 Ride Control*



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