Trelleborg introduced wear resistant rubber to Ball Mills in the 1920’s, with the first installation experiment carried out in the United States in a 4 x 20’ Ball Mill, at the Nipissing Mine.

Trelleborg then went on to patent the first Mill linings in 1953 and after thorough tests applied for world wide patent rights in 1963 and 1964 for two mounting systems with either fixed or interchangeable lifters.

The Trelleborg Rubber Lifter and Plate designs have been extensively used over these years in Milling applications around the world.

Due to caveats during the Svedala (now Metso owned) sale, the Trelleborg Group was restricted from the mining industry for seven years.

These restrictions ceased in 2005 at which time Trelleborg purchased Armwest in Western Australia, providing a base for us to once again re establish ourselves as a major supplier to the mining industry.
Product Description

Grinding Mills play a key role in Comminution and Mineral dressing and are subjected to severe impact and abrasion from the Mineral being ground and from the media that is introduced in the Mill to help break down the product.

Trelleborg has been at the forefront of specialised rubber compound development for milling applications. Trelleborg takes pride in working closely with our customers on improving liner designs.

Product Range

Trelleborg has a wide range of Rubber lifter bars and plates for Ball Mills, Rod Mills and Drum Scrubbers. Trelleborg Standard Rubber Lifter sizes are as follows:

- 210mm (W) x 250mm (H)
- 210mm (W) x 225mm (H)
- 210mm (W) x 200mm (H)
- 210mm (W) x 180mm (H)
- 210mm (W) x 160mm (H)
- 210mm (W) x 140mm (H)
- 200mm (W) x 200mm (H)
- 165mm (W) x 180mm (H)
- 165mm (W) x 160mm (H)
- 165mm (W) x 140mm (H)
- 150mm (W) x 160mm (H)
- 150mm (W) x 150mm (H)
- 140mm (W) x 135mm (H)
- 125mm (W) x 125mm (H)
- 100mm (W) x 100mm (H)
- 50mm (W) x 50mm (H)

All Trelleborg lifters come complete with Aluminium and Steel Tracks with different Face Angles to suit the Milling or Scrubbing Application.

The liner and compound development is undertaken to target enhanced availability of the Mill (reducing down time losses) with increased efficiency in grinding, and reduction in power drawn.

Trelleborg also tailor make a wide range of Shell Plates, Grate Plate, Head Plates and Filling Segments including the Backing Rubber to protect the Mother plate of the Mill/Scrubber.

Trelleborg also maintains a Standards Range of Fixings to completely Seal and Protect.

Trelleborg works on the principle of continuous improvement to add value to the operation of the processing plant as a whole and strives to attain ultimate customer satisfaction.
Advantages of Trelleborg Mill Linings

- Improved liner life
- Lesser weight overall with reduced impact on rotating components.
- Easy handling and installation
- Lesser downtime losses
- Noise reduction
- Leak proof fastening system
- Easy Wear Monitoring and Wear Life predictability.
- Fixing design eliminates bolt breakages during operation.

Trelleborg can supply Grates and Shell Plate with raised sections for additional life.
Trelleborg After Sales Service

Trelleborg’s commitment to the continuous evaluation of our Mill Liners during operation, forms an integral part of our service.

We work closely with our customers on wear monitoring, by assisting them in the development of preventative and predictive maintenance regimes.

During shut downs, Trelleborg personnel will take wear measurements on site and present drawings of wear patterns and an assessment of product life remaining, along with any improvements that can be offered.
Trelleborg Trunnion Liners

Trelleborg Engineered Systems Australia manufacture and supply trunnion liners to suit various designs of mills and scrubbers.

Trelleborg Trunnion Liners are tailor made to specific applications.

Fixing methods available are, direct bonded rubber, bolt in system, or hold down bars.

Trelleborg has developed a ‘T’ tracked trunnion liner for easier installation.

Lifter bars can be included in the trunnion to minimise sliding abrasion.
Trelleborg Mill Lining Auxiliary Equipment

Trelleborg can supply all auxiliary items required for mill liner change outs, including:

- Extruded Filler Pieces
- Extruded Corner Segments
- Mill liner rubber backing, 6, 9 and 12mm

Trelleborg supply all fastening components required for mill liner change outs, including:

- T Bolts
- Cup Washers
- Sealing Washers

Trelleborg supply a complete range of backing rubber, extruded filler pieces and sealing strips.
Other Trelleborg Products

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