





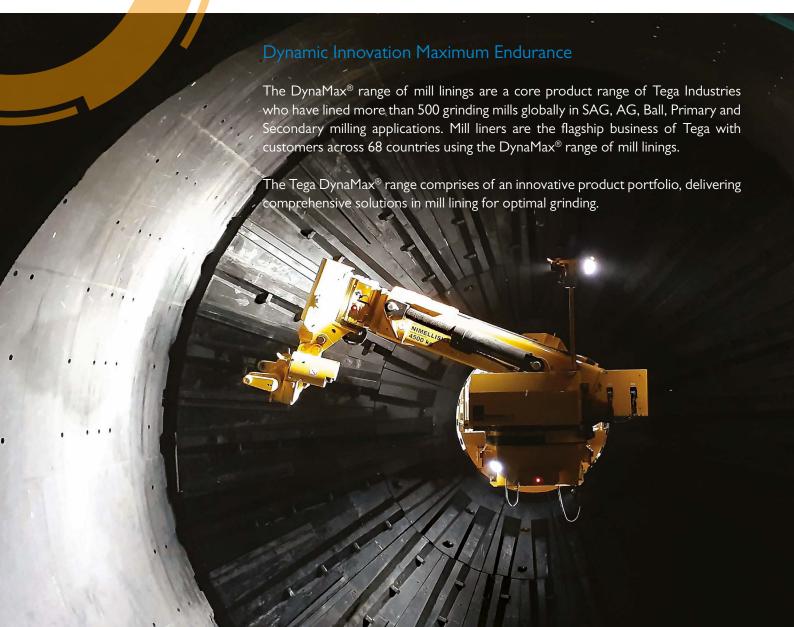


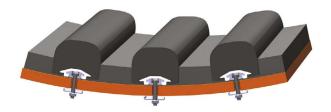






MILL LININGS



















Complete Design and Fabrication

Tega provides a complete solution to its customers, from the process of identification of client needs, to the design, fabrication, quality inspection and dispatch of the product.

The DynaMax® range of mill liners are individually designed and custom manufactured to provide the optimal performance and longevity for applications which demand the highest level of service and support from design and manufacture.

Our custom design and technical service teams offer:

- Extensive capability and technical application in product design and development
- · Regular site visits, audits and wear inspections to discuss performance and liner optimisation
- On-site installation support
- · Complete mill lining design, manufacture and ongoing performance monitoring





PEACE OF MIND

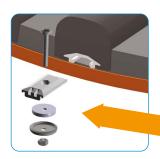


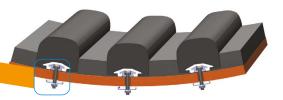
Rubber Mill Liner for Optimal Wear

Tega Mill Linings provide optimal grinding solutions in major mineral processing plants all over the world. The Tega DynaWear® rubber lining system is the preferred lining system for secondary ball mills, regrind mills and scrubbers.

DynaWear® rubber mill linings are individually designed for your particular working conditions and goals, with a variety of profiles and materials available for specific applications. Secondary and Regrind applications are ideal for DynaWear®, ensuring optimised mill liner life, grinding efficiency and capacity, delivering maximum cost benefit to our clients.

DynaWear® is ideal for mills operating with highly acidic slurry and sets the standard of comparison for grinding performance and lining economy that has been successfully used in a wide range of primary, secondary and tertiary grinding mills, batch mills and scrubbers.





Standard attachment system

Lifter with shell plate

DynaWear® Fastening System

DynaWear® reinforced lifters have an integrated aluminium track to accommodate the fixing clamp. Non-reinforced Tega Lifter Bars are installed with detachable steel clamps which can slide inside the groove on the lifter base and are then bolted to the mill shell. The lining bolt attachment system are also available with different grades of steel for very high or low pH-values.

DynaWear® Advantages



Superior compounds

Longer liner life/less liner cost per tonne



Reduced installation time compared to steel

Increased mill availability



Reduction in noise levels

Reduced overall noise pollution



Leak proof fastening system

Better protection of mill against corrosion & washing



Less liner weight compared to steel

Longer life of rotating parts. Liner is safer to handle and install



Scheduled Tega liner monitoring program

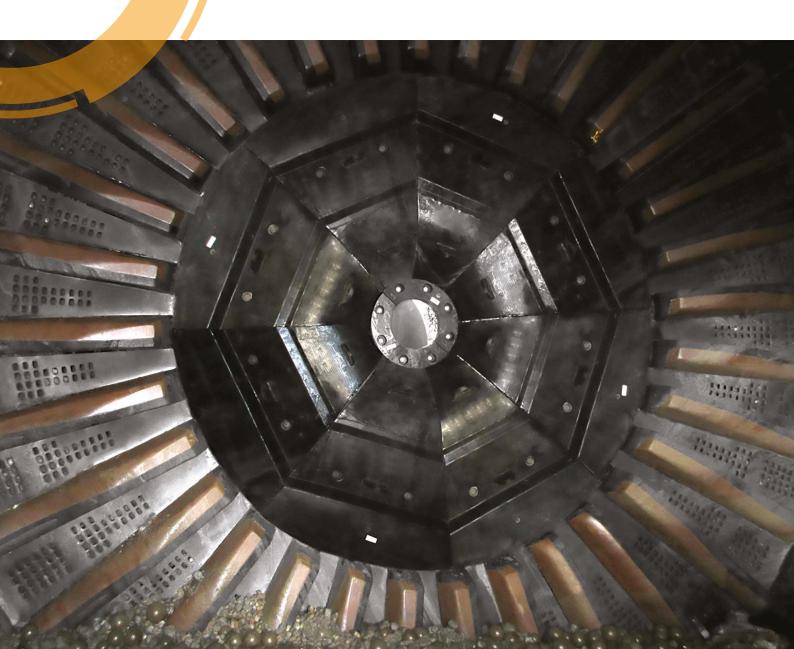
Prediction of liner life and change out dates

APPLICATION AREAS

- AG Mills
- Ball Mills
- Scrubbers
- Batch Mills
- Lime Slaker Mills
- Mixing Drums
- Slag Mills
- Pebble Mills
- FGD Mills
- Regrind Mills
- Continuous Mills



EXTENDED LINER LIFE

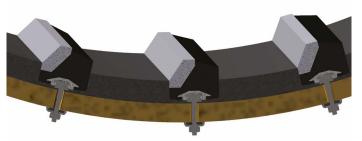




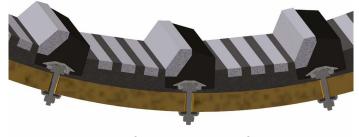
DynaSteel® Composite Mill Liners

DynaSteel® is tailor-made for each mill in question, to provide a maximum protection against wear, prolonging the mill operation time.

- DynaSteel[®] uses different alloys and rubber compounds to engineer a perfect blend for aggressive grinding application.
- DynaSteel® ensures complete protection from excessive wear on the mill lining and delivers maximum grinding efficiency. The lifter face angle remains constant throughout the life of the lining.
- DynaSteel® has proven to be successful in demanding applications, especially in primary grinding mills. The challenges faced by conventional steel liners such as cracking, are eliminated by the use of optimal materials for liner construction.
- DynaSteel® can be installed in larger mills where modern liner handlers are not available.



DynaSteel® Lifter



DynaSteel® Lifter on a DynaWear® Plate

DynaSteel® Advantages



Composite liner design

Longer life/less liner cost per tonne



Various steel grades & thicknesses

To achieve a uniform wear life throughout the mill



Less weight on rotating parts

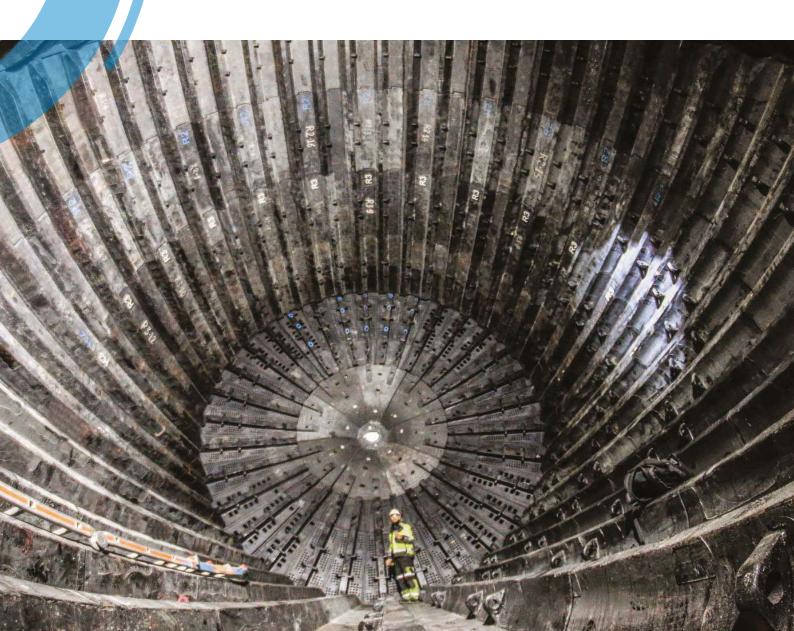
Longer life of rotating parts

APPLICATION AREAS

- AG Mills
- SAG Mills
- Primary and Secondary Ball Mills
- Rod Mill Shells
- Scrubbers



INCREASED PRODUCTIVITY







DynaPrime® Combination Liner

The Tega DynaPrime® range has been designed specifically for the larger sized mills where modern liner handlers are available. DynaPrime® has been engineered to reduce the number of individual sections that are installed inside the mill, substantially reducing the installation downtime for maximum mill availability.

The DynaPrime® design prioritises safety during installation with bolting from the outside of the mill which reduces risk during the installation of the liner.

DYNAPRIME IS IDEAL FOR HIGH ASPECT SAG MILLS UP TO 40FT PLUS IN DIAMETER

DynaPrime® Advantages



Increased Asset Productivity

- · Increased mill availability
- · Increased liner life
- Increased charge volume due to a reduction in liner weight



Reduced Mill Operating Expenses

- Lower overall maintenance costs
- Reduced energy consumption
- Less personnel required for installation
- Faster reline due to reduced number of components



Reduced Risk

- Mitigates risk of unplanned shutdowns
- · Better liner profile stability throughout the liner life



Improved Safety

- Fixings installed from outside the mill
- Reduced number of personnel required inside the mill during installation



APPLICATION AREAS

- SAG Mills
- AG Mills
- Primary Ball Mills



MAXIMUM DISCHARGE EFFICIENCY



Pulp Dischargers from Maximum Production

Tega DynaPulp® guarantees maximum efficiency from the mill. Tega uses advanced computational software to simulate the slurry charge using DEM and CFD tools that ensure an efficient discharge system. DynaPulp® offers Curved and Radial Discharger systems to achieve a lower specific power consumption and an effective energy saving.

The DynaPulp® discharger system ensures a maximum discharge efficiency, eliminating carry-back, increasing the mill capacity. No carry-back also eliminates excessive wear at the trailing edge of the discharger system.

The DynaPulp® radial discharger system is engineered for both uni-directional and bi-directional mill rotation. Based on simulations and experiments, DynaPulp® can be designed with exotic wear materials at optimal positions to arrest excessive differential wear rate.





Optimized Flow

- Maximized Capacity
- Zero carry-back resulting in higher utilisation of discharger bucket capacity



Energy Efficiency

- Lighter weight of the discharger system
- Lesser specific power consumption compared to conventional discharger systems



Increased Life

- Exotic wear materials at the high wear zones eliminate premature failure
- Minimal carry-back considerably reduces the wear on the trailing edge



Ease of Fitment

- Every discharger is tested for perfect fitment
- · Lighter weight

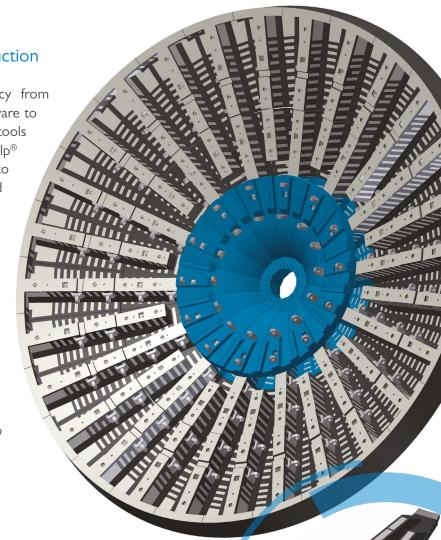


Improved Safety

Increased safety while installing and dismantling the discharger system



- SAG Mills
- AG Mills
- Grate Discharge
 Ball Mills











Superior compounds Less downtime during installation Reduction in noise levels Leak proof fastening V V V V	
Reduction in noise levels	
Leak proof fastening ✓ ✓ ✓	
Weight ✓ ✓ ✓ ✓ ✓	
Liner life ✓ ✓ ✓ ✓ ✓ ✓	
Steel composite liner	
Energy consumption reduction	
Grinding durability	
MILL APPLICATIONS	
SAG & AG Mills	
Primary Ball Mills	
Secondary Ball Mills	
Tertiary Ball Mills	
Regrind Mills	
Rod Mills ✓	
Batch Mills	
Continuous Mills	
Scrubbers	
Lime Slaker Mills	
Pebble Mills	

Note: Multiple ticks indicate increase in relevant attribute.



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