Vocational Guide

Mining

This category covers some Surface Earthmover and most Underground Mining applications. Off the road (OTR) applications encompass a wide variety of equipment, from Loaders (LHD–Load Haul Dumper) to Graders, as well as various specialised underground machines (Dump Trucks, Drillrigs, UV, Roofbolters, Personnel Carriers, Front End Loaders, Impact Breakers, Shuttle Cars).

The equipment and tyres used in OTR Mining applications are subjected to severe rock service conditions.

Surface and Underground Mining surfaces are generally not well kept with rock, sand, gravel, damp soil conditions and often oil contaminated water deeper than 30cm.

The machines used in Mining applications vary from 3,700 kg per tyre to 20,000 kg per tyre carrying capacities. Recommended Hauling distance is 75 metres loaded at a maximum speed of 8 km/h.

LHD machines
- GHH
- CAT
- Elphinstone
- Schopf
- AARD
- RHAM
- Sandvik

Specialised machines
- JOY
- Bell
- CAT
- DEZZI
- and others.

Tires for LHD applications
- General Power Slick L4S & L5S from 9.00-20 to 26.5-25

Dump Trucks, Utility Vehicles, Graders
- General G3/L3,G4/L4 & E3 ND LCM from 15.5-25 to 23.5 -25
- General UGS L3 & L4 8.25-15, 35x15-15, 12.00-20

Dump Trucks, LHD
- General Semi Slick L4 & L5 16.00-25 L4 & 20.5-25 L5

Graders
- General Grader G2 & ND Grader G3 13.00-24 & 14.00-24
Tyre needs

**Cut & chunk resistance**  Maximum resistance to rock cutting, penetrations and tearing. Severe underground conditions. Downtime must be kept to a minimum while optimum remains the objective.

**Strength**  High carcass strength, excellent flex fatigue and impact resistance. Heavy loads hauled, retreadability and withstanding severe underfoot conditions.

**Traction and Even Wear**  Heavy loads hauled over short distances in sharp, wet rock conditions.

**Flotation and Traction**  For machines operating in sand, gravel, loose and damp soil.

**Low heat build-up**  Low Heat build-up on ND LCM products.

**Flexibility**  Construction and capacity to accommodate tyrefill

Continental offering and benefits

**General Power Slick L4S & L5S**
Completely smooth and wide flat tread provides excellent traction and even wear. Premium quality tread and sidewall rubber compound to provide maximum resistance to rock cutting, penetrations and tearing in extreme mining, quarrying and road building operations. Special nylon construction and compounding provides high carcass strength, excellent flex fatigue and impact resistance.

**General UGS L3 & L4**
Tread pattern provides good traction and the spaced voids offers minimum opportunity for rock penetrations, tearing or cutting. Premium quality tread and sidewall rubber compound to provide maximum resistance to rock cutting, penetrations and tearing in extreme mining, quarrying and road building operations. Special nylon construction and compounding provides high carcass strength, excellent flex fatigue and impact resistance. Excellent retreadability.

**General ND LCM G3/L3, G4/L4 & E3**
Cool running tread compound ensures optimum tread and casing life. Excellent flotation and positive traction in sand, gravel and loose and damp soil due to its wide non directional lug design. Special cut resistant tread compound, extra thick sidewalls and a reinforced carcass construction to provide maximum protection from penetrations and punishment in rocky terrain.

**General Semi Slick L4 & L5**
Tread provides excellent traction characteristics. Reinforced sidewalls and tread compound provides for maximum protection against rock penetrations, tearing or cutting.

**General Grader G2 & ND Grader G3**
Deep and wide cleats for high levels of traction, flotation and stability.