Field Report and Time savings

After using DGCS system, field report shows it significantly reduced tire change time and maintenance procedures. The downtime is reduced and productivity is increased due to service time saved. Field test also shows tire servicing time will improve more than 50 percent comparing to traditional 5 pc assembly. It also reduced occurrence of fatigue and injuries associated with tire service of maintenance personnel.

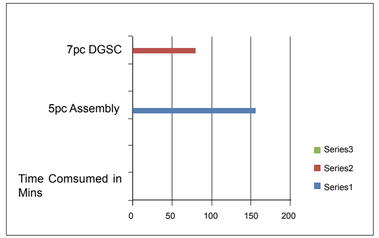
The Chart shows the time that can be saved during tire removal and replacement with DGCS.

For inner tire removal and replacement, DGCS will save up to 48% down time.

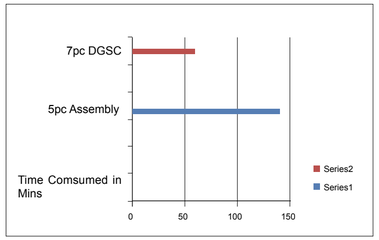
For outer tire removal and replacement, DGCS will save up to 51% down time.

Time and cost saving is significant on DGCS series.

Inner Tire Removal and Replacement



Outer Tire Removal and Replacement



DGCS Series

A solution to large mining dump truck to save time and costs.

DGCS series is availabe up to 63” wheel.

Avaialbe rim types:
XCLF(BTS-2V)
ZX(BTS-2V)

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sales@keimax.com
www.keimax.com

Zhenjiang Corim Manufacture Ltd.
Manufacturer Location:
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Dingmao new District
Zhenjiang, Jiangsu Province
P.R. China 212009

Keimax
Prime Source for Wheels

Quick Change System DGCS Serial Overview

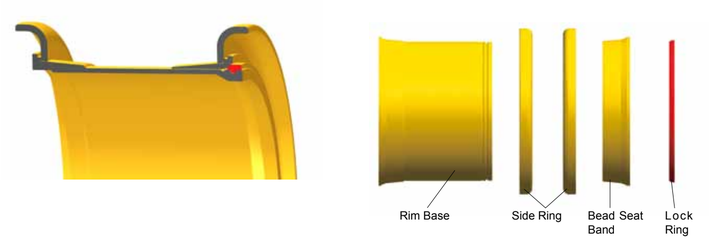
For Large Dump Trucks

KEIMAX developed and designed a revolutionary double gutter system,which provided a solution for tire change with fraction of time.

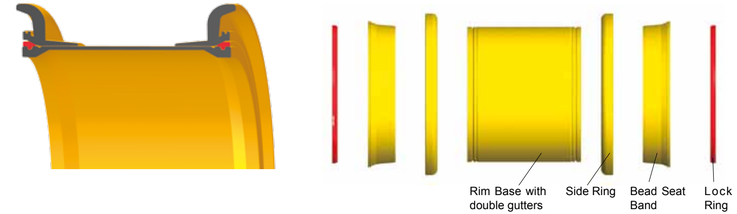
DGCS system is designed to make tire change more effident. faster and safer.
Comparing to traditional 5 piece assmbly rim. the DGCS 7 piece assembly dramatically improved effidency of tire removal and installation during maitainance of large dump trucks.

Feature and Structure of DGCS rim assembly:

A: Traditional 5pc rim assembly structure.



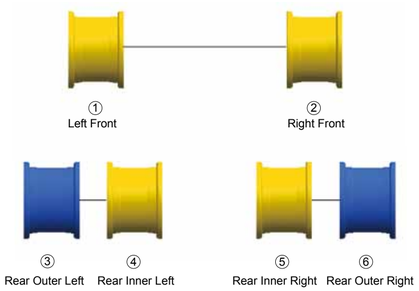
B: DGCS 7pc rim assembly structure.



The **Double Gutter Change System (DGCS)** Series is a complete rim assembly consisting of two bead bands and two side rings. a specially engineered two piece lock ring and one standard lock ring.DGCS system is designed to remove rear tire quickly without dismounting the outside wheel.

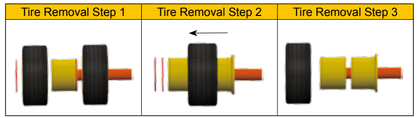
Dump Truck Rim Positions

The Double Gutter Change System (DGCS) wheel is designed to remove rear tire quickly withoul dismounting the tires on the rear axle of mining truck was to remove the outside rim and tire assembly. The process will be time consuming and downtime results in a loss of production .
However. With revolutionary DGCS system. both rear outer tire can be mounted and dismounted vertically withoutremoving the outer wheel. The wheel will stay on axle for life time of product. DGCS will significantly reduce tire and rim removal and improve safety and productivity.



Tire dismount procedures:

1. Remove outer lock ring on outer wheel and then remove the outer tire.
2. Remove inner lock ring on outer wheel and lock ring on inner wheel.
3. Remove the inner tire out.



Tire Mounting procedures:

1. Mount inner tire to inner wheel and lock ring.
2. Mount inner lock ring on outer wheel.
3. Mount outer tire on outer wheel and lock ring.

Benefits

- Significantly reduced downtime, comparing with 5pc traditional rim assembly, DGCS can save more than 50% on tire change and maintenance.
- No wheel nuts, studs to be removed during tire mounting and dismounting.
- No hydraulic bead breaking tool and impact gun required for tire change.
- Simplified tire change process, dramatically reduced manual handling and fatigue.
- Reduced cost of tire maintenance and extended life of wheel components and fasteners.
- Increased maintenance efficiency and safety.
- Encourage more frequent tire rotations and inspections that will improve tire life.
- Reduced downtime converts to productivity.
- Equipment can have rear tires (both inner and outer) vertically mounted in the same manner as front tire without the need to return service shop to have wheel nuts and studs retightened.
- Reduced tire bead injury from frequent removal and mounting of bead seat band into tire.