

Loyal solutions for mining and processing

The mining process starts with the breaking up of the rock face and continues through the processing of the minerals, utilizing such technology as cutting equipment, screening machinery, stockpiling equipment and conveying equipment.

Loyal business is committed to preserving and enhancing your bearing's dependability, make the most of uptime, lower upkeep and replacement expenses along with enhance performance. Our client assistance services are developed so that you can pick the level of proficiency and resources you require to keep your procedures and facilities at peak functional efficiency, throughout the world, at any time you require us.

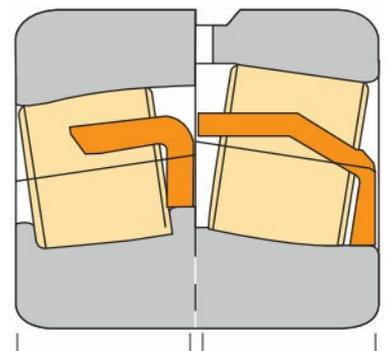
Mining Solutions



World's Highest Standard High-Load Capacity

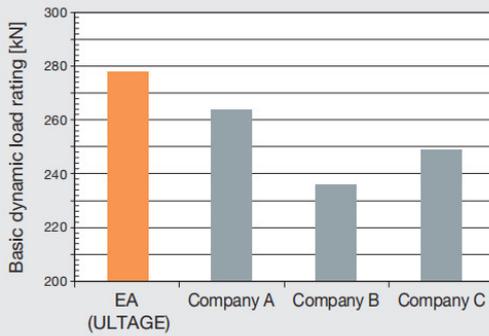
By maximizing the roller diameter, the number of rollers and roller design, longer operating life and higher load ratings have been achieved. With this improvement maintenance cycles can be extended

- ① **Basic Dynamic Load Rating (title) : Up to 65% increase**
- ② **Basic Static Load Rating (title) : Up to 35% increase**
- ③ **Operating Life (title) : Up to 5 times longer**

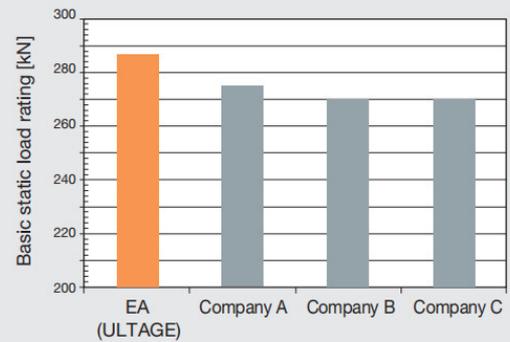


Type EA

● Comparison of other manufacturer's cataloged basic dynamic load rating values (C_D)
22216 ($\varnothing 80 \times \varnothing 140 \times 33$)



● Comparison of other manufacturer's cataloged basic static load rating values (C_{0r})
22216 ($\varnothing 80 \times \varnothing 140 \times 33$)



World's Highest Standard Maximum Shaft Speed

Higher operating speeds have been achieved by using an optimized design pressed steel cage.

The results of comparative testing of bearing temperature rise under circulating oiling conditions show that this bearing suppresses temperature rise at a lower torque compared to other manufacturers' bearings.

From mine to parts market

[more >>](#)

Our offering



Open-pit mining



Underground mining



Crushing and conveying



Grinding



Processing and refining



Transport to market



Systems and solutions



Service



Microgrids



Collaborative Operations fo...

Service for Mining and Processing

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Service for Mining and Processing



Nemaska Lithium selects ABB for mine design project in Canada

ABB is managing project design, engineering, delivery and site services for mine and processing plant electrification and...



Integrated power and process control at Vale mines in Brazil

Integration allows for a huge improvement in operations & asset health, changes the way we think of automation



Advanced Process Control of grinding and flotation at Boliden mines in Sweden

Timely adjustments to froth levels, air flows and reagents for process stabilization and increased recovery



Ventilation on demand for a gold mine in Sweden

ABB Smart Ventilation provides fresh air for workers, ventilation energy savings of 54%, air heating energy savings of 21%... during first year of use



Digital technologies to improve operations at PGG mining sites in Poland

Increasing efficiency and optimizing the costs of hard coal production, capability to react to new market demands and conditions

automation to ensure
efficiency for the life