Boddington Gold Mine (Australia)

Project description

Boddington is one of Australia's largest producing gold mines and located within the Saddleback Greenstone Belt (SGB), an Archaen structure in the southwestern Yilgarn Craton. The exploration strategy was to identify the resource potential of the remainder of the greenstone belt, with the emphasis on high-grade lode-type deposits.

The mine produces gold and copper concentrate, and began its commercial production in 2009. As of December 2015, the annual gold production had reached 794'000 ounces and the annual copper production had peaked to 79 million pounds. It is operated by Newmont Mining Corporation, founded in 1921 and one of the world's leading gold producers.

mageba scope

mageba received the order for the supply of a total of 10 RESTON®SPHERICAL bearings of type KE-1. This bearing type allows sliding movements along one horizontal axis, and resists forces in the perpendicular direction.

All bearings are equipped with ROBO®SLIDE, a high-grade sliding material that allows very high contact pressure and has an excellent abrasion resistance which enhances the durability of the overall bearing tremendously.

The bearings are used to ensure the controlled transfer of the forces in the mine's pipe racks. These pipe racks transport the extractions gained from the exploration works in the mine and thus require proper facilitation of cumulative sliding movements.

Highlights & facts

mageba products:

Type:	RESTON®SPHERICAL bearings
Features:	Type KE-1 with ROBO®SLIDE
Installation:	2008

Structure:

City:	Boddington
Country:	Australia
Type:	Surface gold mine
Built:	1987, Expansion in 2009
Owner:	Newmont Mining Corporation
Engineer:	Granor Rubber & Engineering

The Boddington Gold Mine is located about 130 km south-east of Perth in Western Australia

Illustration of a RESTON®SPHERICAL bearing of type KE showing its main components

The finished bearings ready for dispatch

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