

# Plug & Play MAAG<sup>®</sup> Bevel Gear

Bevel gears that last – built specifically for your needs

[MAAGGEAR.COM](http://MAAGGEAR.COM)

# Gear up your production with a plug & play bevel gear stage for WPU

Naturally, even well-serviced gears require an occasional overhaul to reduce cumulative wear. Proactive planning allows you to synchronize shutdown time to match normal fluctuations in market demand for your products. In collaboration with you, we offer to plan and carry out further assessment and any further action.

The calculated bearing lifetime is 80,000 hours of operation. After this time MAAG recommends an overhaul of the gearbox.

## Installation and operation

We recommend to have a complete bevel stage - which will be delivered ready adjusted and assembled - on stock. The new bevel stage fits easily into the existing gear casing as “plug and play“.

At least the bevel set including bearings and internal coupling shaft should be on stock, as it is the most critical part in the gearbox. A broken bevel set without a spare set available would lead to a downtime

of several month, as no repair solution is available. Delivery time for a new bevel set is around 6 to 8 month.

The downtime during the exchange will be longer for separate parts compared to a complete bevel stage. The assembly work, machining of spacers and sleeves will need time which is not necessary with a complete stage.

### Costs

Investing in a complete assembled spare bevel stage saves money in the long term. Not only because of lower maintenance costs, but also by avoiding excessive downtime.

The old bevel stage can be refurbished afterwards and stored as emergency spare.

### Features

Execution according to latest MAAG Gear standard with eccentric, wear resistant bearing sleeve. Optionally equipped with condition monitoring system.

### Advantages

- No tooth contact adjustment required
- Easy erection within 7 days
- Plug & Play

### Benefits

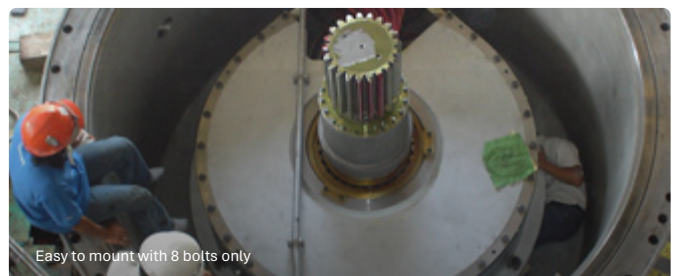
- Highest availability of mill production
- Low cost compared to alternatives
- Short payback time

### Scope of supply

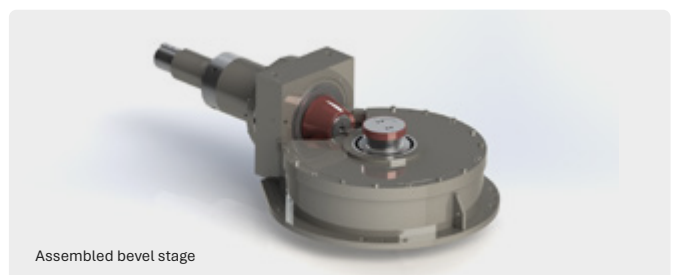
- Complete assembled and adjusted bevel gear stage
- Reamer tool set for installation
- Optional instrumentation for condition monitoring system installed



Exchange of a plug & play bevel stage



Easy to mount with 8 bolts only



Assembled bevel stage

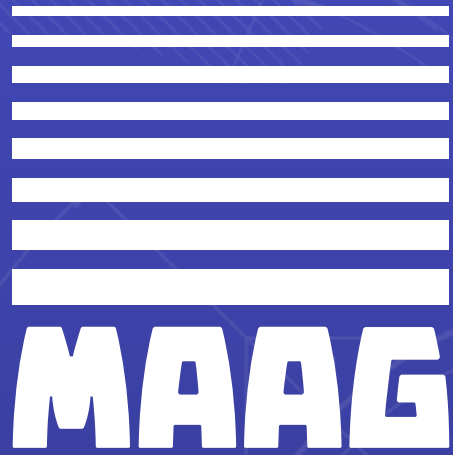
# Home of Precision Engineering

For more than 100 years, the MAAG® Gear brand has successfully lived up to its founding vision and values.

Evolving demands in heavy-duty industries are driving the need for more efficient, reliable, and sustainable gear technologies. At MAAG, we are dedicated to providing high-precision solutions that respond to this need and enhance the productivity, sustainability and reliability of our clients' operations in cement, mining, and beyond. With a rich history of innovation and a robust product portfolio, we stand as trusted partners, committed to our mission of driving progress through precision. Discover how MAAG can help you elevate your business.



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