Plug & Play Bevel Gear Stage

FLSmidth
MAAG GEAR
Naturally, even well-serviced gears require an occasional overhaul to reduce cumulative wear. Proactive planning allows you to synchronise 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 FLSmidth MAAG Gear 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

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