

# polysius® girth gear protection cover



Telescopic poles are used for support



Gear tooth housing



Labyrinth attached to the girth gear

## Protector of man, environment and equipment

The girth gear protection cover simultaneously performs a number of elementary tasks that contribute to the long-life, flawless operation of the girth gear and pinion drive.

The main function of the girth gear protection cover is to protect the otherwise open girth gear and pinion drive from the impact of external environmental factors such as exposure to dust and the elements. In addition, the protection cover prevents the escape of environmentally harmful oil or grease emissions that arise from lubrication of the girth gear and pinion drive.

### Design and function

The girth gear protection cover generously seals the girth gear and pinion drive from the environment via a wear-free labyrinth seal. At the same time, it forms a drain channel for dripping oil or heated grease from the girth gear, directing it into the collecting vessel.

The polysius® girth gear protection cover is available in the following versions: 1. in combination with a spray lubricating device or 2. as a splash lubrication system. The latter is standard in new installations due to the operational reliability of the lubricant supply.

### Your service advantages

- No abrasive wear due to any kind of dust getting in
- Can be retrofitted to any kiln  
(provided that it has a girth gear and pinion drive & there is a foundation drawing available)
- No wear-prone sealing elements are used
- Compatible with both bridge plate fastening systems and tangential plate fastening systems
- Maintenance free
- Protects man and environment