



## Bull- Wheel- Drive for Ropeways

Our new drive-system for ropeways is based on an old and approved technology for slew ring bearings, which has been used for more than 100 years in the crane-industry, machine-tool-industry and tank-production. This technology received a new boost through its use in wind generators.



The most important advantages and possibilities, of this technology in ropeway-business, will briefly be shown below:

- Due to the diameter of 2.20 m, it is possible to place a planetary gear-wheel inside the pulley.
- A transmission of up to 8:1 in the highest gear enables the use of standardized E-Motors in connection with an additional standardized gearbox.
- Existing brake- and flywheel-discs enable reactions as desired, independent from the profile of the ropeway.
- Having a low gear construction, the station can get a new design:
  - smaller - more functional - well-shaped.

Beside cost advantages in production of single construction-parts, some of the expensive components are no longer necessary, e.g.

- Emergency-drive gearwheel (is already included due to shared use)
- Hollow shaft
- Hollow hub
- Drive sheave hub with bearings
- Detaching of the drive wheel
- The manufacturing of the drive- and return-wheels is easier and cheaper, especially for split-wheel models.
- Its utmost advantage from a safety point of view: Blocking of the drive sheave is not possible any more: more than 200 balls cannot fail all of a sudden.