

### 3: Slurry impeller

#### Operating environment

- Immersed in an aqueous slurry
  - Alkaline, pH 9 – 10
  - Very heavy, dense refractory slurries (~80% solids), e.g. silica, alumina, zircon etc.
- Operating temperature +10 ... 30 °C
- Active forces are rotational, up to 24/7 operation
- Batch size 500 per year
- **Material demands:**
  - Corrosion resistance
  - Adequate resistance to wear
  - Good fatigue strength



Part description:

Slurry shear impeller

