

## G-METAL™ for Demanding Industrial Environments

### Hydropower Applications

#### Kaplan and Francis Turbines

- Wicket Gates
- Linkage
- Regulating Ring Segment Mechanisms
- Servomotors

#### Pelton Turbines

- Needle Valves
- Deflector

#### Other Applications

- Gates
- Chains
- Sluices
- Valves
- Cylinders



Engineers at Glebus Alloys have developed G-METAL™, a material for use in demanding industrial environments. This technology greatly surpasses conventional products used in the hydropower industry.

G-METAL™ material contains the maintenance free benefits of self lubricating sintered bronze/graphite. The concentrated micro dispersion of the graphite throughout the metallic matrix ensures consistent lubricating properties over the entire wear area of the part.

A variety of alloys can be formed with G-METAL™ material. Bronze, nickel, iron, iron/nickel and lead can be produced with the lubricants graphite or graphite and molybdenum.

The material can be formed into many shapes and sizes including wear plates, rolled bushings, cylindrical bearings, spherical bearings, split bearings, sleeves, liners, guides and other customizable shapes.

**Contact your Glebus Alloys representative today. For product specifications and additional information, visit [www.glebusalloys.com](http://www.glebusalloys.com).**