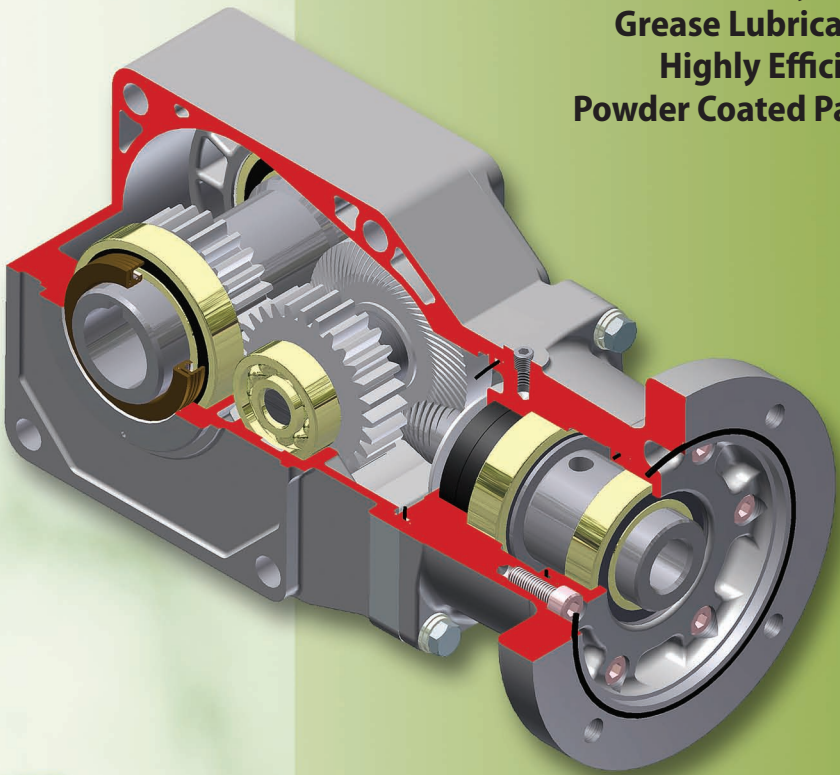


Sumitomo Drive Technologies
Always on the Move

Hyponic®

**ISO 14001 Certified Factory Built
Grease Lubricated
Highly Efficient
Powder Coated Paint**



Go Green



Eco-Friendly: Grease Lubricated

As a company striving to “go green,” you understand that it means more than minimizing environmental impact and eliminating hazardous substances. You know it also requires conserving natural resources, and improving efficiency while keeping life cycle costs low.

Maintenance-free grease lubrication and exceptionally long service life, make Sumitomo’s Hyponic® an ideal eco-friendly gearbox for your application. Hyponic units feature a non-vented, grease lubricated design suitable for universal mounting with any shaft orientation. Grease lubrication maximizes mounting flexibility, eliminates oil leaks and oil changes, while the non-vented design helps eliminate the entry of water.

As an option for customers requiring food-grade lubricant, Sumitomo pre-fills Hyponic units with Fuchs Geralyn AX SGG 000 grease, a state of the art, synthetic National Sanitation Foundation (NSF) H1 lubricant suitable for incidental food contact that provides higher efficiency and longer life in a wide variety of conditions.

Carbon Footprint: CO₂ Emissions

Sumitomo’s Hyponic drives are manufactured in our Gearmotor Factory located in Okayama, Japan. This factory is ISO 14001 certified and committed to reducing carbon dioxide emissions. In addition, Sumitomo limits the use of lead in gearmotor and gearbox manufacturing, and directs suppliers to stop using the six restricted substances listed in the European Union’s RoHS (Restriction of Hazardous Substance) guide, even though our products are currently exempt. We can customize most of our products to meet RoHS standards when customers require it.



Hyponic,

Making a Greener

Footprint

Efficient: Hypoid Gear

Optimizing energy efficiency reduces a company's carbon footprint by decreasing carbon dioxide and other green house gas emissions contributed from production processes. As it relates to enclosed gearing, efficiency is simply the ratio of the output power (power transmitted through the gearbox as usable work) to the input power.

Two gears in mesh incur losses in efficiency due to the sliding action of one gear tooth against the corresponding gear tooth of the mating gear. This sliding action reduces the overall efficiency of the gearset since usable power is converted to heat. It is not accurate to say that a specific gear type has a definite efficiency associated with it, however some gear types typically operate at lower efficiencies than others.

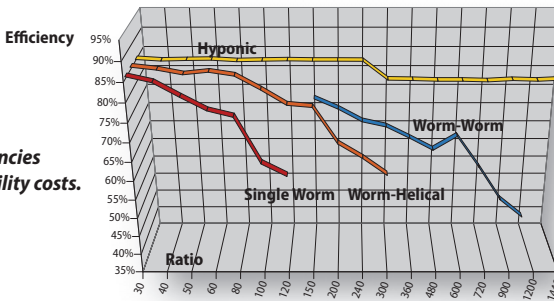


Worm Gear

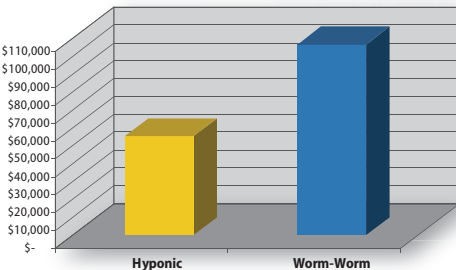


Hypoid Gear

Sumitomo's Hyponic drives use patented, all-steel hypoidal gear technology that leads the industry in high-efficiency and quiet operation. All-steel hypoid gears transmit torque more efficiently, ensure long service life and deliver efficiencies of 80-85% across ratios from 30:1 to 1440:1. In comparison, worm gear drives use softer, bronze gearing, which shortens service life, and they operate at efficiencies that decline as ratio increases. For these reasons, customers choosing Hyponic drives for their application usually see significant utility cost savings, and a resultant reduction in their carbon footprint.



***Higher efficiencies equal lower utility costs.**



Total Annual Utility Cost Industrial Rate



Hyponic



Making a Greener



Footprint



***We want to help you make a greener footprint.
When you purchase a Sumitomo Hyponic, we will safely dispose of your old gearbox.
Please contact Sumitomo for more details: 1-800-SM-CYCLO***

Thank You.



Sumitomo Machinery Corporation of America
www.smcyclo.com