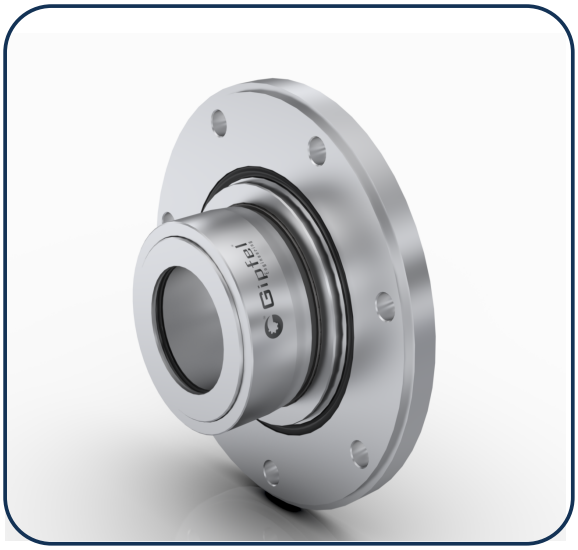
Gipfel Engineering

ISO 9001-2015 CERTIFIED COMPANY

Light Duty Slurry Mechanical Seal
(Rotary Spring Configuration)

TYPE : LS830



Face Materials :
- Silicon Carbide / Tungsten Carbide

Secondary Seals :
- FKM (Viton) / EPDM / Aflas / EPR / Neoprene / FFKM (Kalrez) / PTFE

Hardware :
- SS 304 / SS 316 / Duplex / Hastelloy C-276

Operating Limits :

Size : 20.0 mm to 300.0 mm / 0.750" to 12.000"
Solids : 10% Maximum solids by weight
Speed : 2900 RPM
Pressure : 12 bars (174 psi)
Particle Size : 1000 Micron Maximum
Temperature : -20°C to +120°C (-4°F to +248°F)
Particle Hardness : 4 Mohs Maximum

Application		
Plants & Industries	**Mining, Refining & Processing**	**Others**
• Power Plant • Potash Plant • Pigment Plant • Solvent Plant • Phosphate Plant • Steel Making Plant • Synthetic Rutile Plant • Tar Sand Extraction Plant • Waste Water Treatment Plant • Dyeing Industry • Mining Industry • Fertilizer Industry • Chemical Industry • Pulp & Paper Industry • Food & Sugar Industry • Pharmaceutical Industry • Oil & Petrochemical Industry	• Gold Mining • Hard Rock Mining • Mineral Sand Ore Mining • Zinc Refining • Nickel Refining • Copper Refining • Alumina Refining • Coal Processing • Iron Ore Processing • Uranium Processing • Wet Cement Processing	• Corn Slurry • Crystallization • Tailings Disposal • Building Service • Hazardous Liquid • Vacuum Distillation • Bauxite & Iron Ore Slurry • Flue Gas Desulphurization (FGD) • Mixer & Other Rotary Equipment Etc. • Off-Shore Production (Sand / Gravel Oil Extraction)

Meet: Gala No. 7, KMC Compound, Behind Hotel Metro Palace, Behram Baug Road, Jogeshwari (West), Mumbai - 400 102. Maharashtra, India.
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Technical Features :

- **Hard-Faced Seal Combinations:** Abrasion-resistant faces extend service life.
- **Available in Metric and Inch Sizes:** Facilitates global compatibility across equipment standards.
- **Isolated Springs:** Protects springs from slurry exposure, preventing clogging and improving reliability.
- **Quick Installation & Easy Removal:** Cartridge design simplifies maintenance and reduces downtime.
- **Bi-Directional Operation:** Functions independently of shaft rotation direction, reducing inventory needs.
- **Cartridge and Semi-Cartridge Options:** Offers flexibility for equipment design and retrofit requirements.
- **Single Seal Configuration:** Cost-effective and easy to maintain; suitable for light-duty slurry applications.
- **Optimized for Light Slurries:** Suitable for up to 10% solids concentration and low to moderate slurry abrasiveness.
- **Hydraulically Balanced:** Reduces face loading, friction, and wear—extending seal life and improving performance.
- **Factory Assembled & Pressure Tested:** Guarantees performance consistency and minimizes field installation errors.
- **Water-Saving Design:** Helps meet sustainability goals by reducing dependency on process or utility water for seal operation.
- **Rotary Spring Arrangement:** Compact and effective; ideal for applications where spring exposure to process media is minimized.
- **No External Flush or Cooling Water Required:** Eliminates product dilution, lowers water usage, and reduces environmental footprint.
- **No Flush or Quench Connections Required:** Operates reliably without external liquid support, reducing water usage and simplifying piping.
- **Multiple Spring Design:** Ensures uniform face loading, better compensation for misalignment, and enhanced performance in variable conditions.

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