
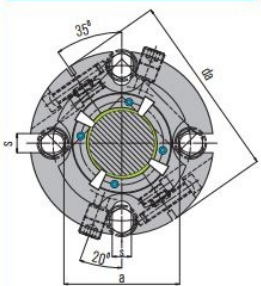
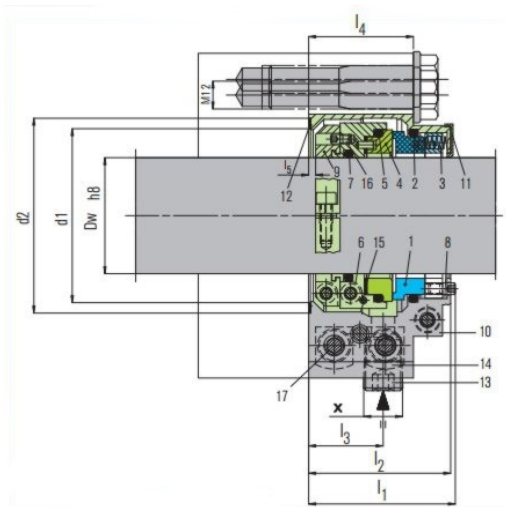


Split Seals are an effective method of sealing large vertical shafts without the need to completely disassemble the pump from the motor.

	<p><b>Product Description</b></p> <ol style="list-style-type: none"> <li>1. Balanced</li> <li>2. Bi-directional</li> <li>3. Built-in flushing connections</li> <li>4. External pressurization</li> <li>5. Fully split single seal, 2 x 2 segments, preassembled</li> <li>6. Installation and wear control</li> <li>7. Semi-cartridge</li> <li>8. Stationary springs</li> </ol>	<p><b>Technical Features</b></p> <ol style="list-style-type: none"> <li>1. Dependable operation: mechanical decoupling of clamping ring (torque transmission) avoids distortion of the seat.</li> <li>2. Greater flexibility during installation: no modification necessary because the seal is located outside of the stuffing box.</li> <li>3. High tolerance to shaft deflections ensured by stationary design and elastic seat mounting (gasket).</li> <li>4. Low leakage: elimination of secondary seals eliminates leakage paths between split components.</li> <li>5. Shaft protection: uniform torque transmission via clamping ring prevents damage caused by set screws.</li> <li>6. Springs which are protected from the product prevent clogging.</li> </ol>
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Performance Capabilities / Materials / Variations

<p><b>Performance Capabilities</b></p> <p>Shaft diameter: d1 = Up to ... 150 mm (Up to ... 6.000")          Pressure: p1 = 10 bar (145 PSI)          Temperature: t = -40 ... +150 °C (-40 ... +300 °F), above 80 °C (175 °F) flush is recommended          Sliding velocity: v<sub>g</sub> = 10 m/s (33 f/s)          Axial movement: ± 1.5 mm (1/16")          Radial movement: ± 0.8 mm (1/32")</p>	<p><b>Materials</b></p> <p>Seal face: Carbon graphite antimony impregnated (A), Silicon carbide (D6)          Seat: Silicon carbide (D6)          Secondary seals: FKM (V), EPDM (E), NBR(P)          Springs: CrNiMo steel (G)          Metal parts: CrNiMo steel (G)</p>	<p><b>Design Variations</b></p> 
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Typical Applications include: Agitators, Mixers, Displacement pumps, Centrifugal pumps

Industries that use Split Seals:

Waste Water, Chemical, Pulp and Paper, Power Generation, Storage Vessels, Shipping, Process Industry, Petrochemical, Pump Stations.

The primary reason industry began using split seals was in large mixers and agitators that can required a crane to remove a motor. Today they are used all over the plant due to the time money and effort they can save over the life of the split seal.

