STEEL / FLOW CONTROL TECHNOLOGY

Ladle Gate
Type S
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Type S

Overview
- Advanced mechanical system
- Improved refractory utilization
- User-friendly design for simple, fast and safe operation
- Automatic system tensioning and self-clamping of plates
- Optimized operation at preparation area
- Clean steel-ready system

Advanced mechanical system
- Two main components only, housing and slider
- Opportunity for horizontal and vertical mounting
- Automatic tensioning and self-clamping of plates
- Easy and comfortable handling
- Unique cylinder handling at preparation area for high operator comfort
- Two-piece design for thermal separation
- Clean steel-ready integration of shielding and slag detection systems

Gate types and sizes

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Working stroke</th>
<th>Nominal diameter</th>
</tr>
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<tbody>
<tr>
<td>S0</td>
<td>S0-S</td>
<td>90</td>
<td>35</td>
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<tr>
<td>S1</td>
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<td>S2-E</td>
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<td>S3-S</td>
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<td>80</td>
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<tr>
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<td>S3-E</td>
<td>210</td>
<td>90</td>
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</table>

Optimized refractory parts
- Self-clamping and 4 point self-centering of plates
- Directional forces providing positive effect to plate wear zone and cracking pattern of plates
- Controlled crack pattern of plates — cracks directed to non-critical areas
- Highly developed brand portfolio — highest efficiency depending on customer process

Maintenance-friendly design
- Easy access to all components for cleaning, inspection and maintenance
- S-Gate consists of only few parts and requires very limited spare parts
- Long lifetime of parts
- Long inspection intervals, short inspection time
- INTERSTOP® after sales service

Main parts
- Upper nozzle
- Drive
- Clamping device housing
- Bottom plate
- Slide plate
- Clamping device slider
- Slider
- Heat shield
- Collector nozzle
- Nozzle holder

Optimized refractories

Advanced mechanics
- Horizontal and vertical mounting
- User-friendly handling

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