for more information on this product and our complete package of solutions please contact our local service center:
**Advanced Three Plates Ladle Slide Gate Systems**

For utmost steel quality protection through better sealing between Ladle and Caster.

**LG21L3 features**
- Stationary collector nozzle for sealed connection to vacuum vessel or casting funnel
- Simple, sturdy and ergonomic design
- Very few mobile parts for minimal maintenance cost
- Fixation to ladle shell externally by bolts on studs
- "Horse shoe" clamping provides compensation for thermal plate expansion
- Multi springs (10) outboard plate loading system
- Integrated argon shielding groove
- Easy switch between 2 and 3 plates application by door exchange
- Air cooling capacity

**CCM advantages**
- Stationary ladle shroud
- Improved ladle shroud alignment
- Optimized impact pad
- No movement in tundish powder layer

**CCM casting**
- Multiple spring outboard plate loading systems
- Slide gate preparation

**VESUVIUS LG21L3 Ladle Slide Gate**

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum bore (mm)</th>
<th>Stroke (mm)</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG21L3</td>
<td>Ø70 CCM</td>
<td>180</td>
<td>Ø51 x 561 x 373</td>
<td>580</td>
</tr>
</tbody>
</table>

**Refractory components**
- Long life refractory consumables
- High performance and low cost / ton

**Refractory characteristics**
- 4 or 5 main refractory parts
- Optimized refractory plate design (type 5 shape)
- Plates operate in inert gas environment (integrated argon shielding grooves)
- Detachable or integrated collector nozzle with lower plate

**Plate crack control**
Shape and clamping features of refractory plates ensure that any cracks remain closed and kept outside the throttling path.
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Refractory components

- Inner nozzle (single piece)
- Lower fixed refractory plate
- Middle movable refractory plate
- Bottom fixed refractory plate
- Collector nozzle (CNT)

Plate crack control

Shape and clamping features of refractory plates ensure that any cracks remain closed and kept outside the throttling path.

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Plate crack control

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FLOW CONTROL SYSTEMS
FLUXES
PURGING PLUGS
SLIDE GATE REFRACTORIES
VAPEX PRODUCTS
VISO PRODUCTS

LG21L3 Three Plates Ladle Slide Gate