



Slide Gate System

The essential components of the slide gate system include:

- Retainer Plate
- Adapter Frame
- Housing
- Housing Cover
- Slider
- Bracket Cylinder
- Graphite Plate
- Nozzle Holder
- Rail ...



The slide gate system operates in two modes: hydraulic and pneumatic, playing a controlling role in the transfer of molten materials from the ladle to the tundish. Installed in the lower part of the ladle, the slide gate system guides a uniform flow of molten material into the tundish by adjusting the size of the inlet.

Easy displacement and sliding of the slide gate plates side by side are crucial considerations in the design process. At Padideh Foolad Aras Company, we leverage our knowledge and experience to design and manufacture these components. Special advantages of this product include:

- Minimizing friction between components
- High durability compared to similar products in the market, leading to reduced servicing requirements
- Use of special alloys for ease of machining components such as screws, nozzle locking, eye bolts, and pullers, instead of forging operations.

Key design considerations for the slide gate system:

- The system should have suitable serviceability.
- Spare parts required for the slide gate system should be easily obtainable and replaceable.
- There should be no need to open the entire system for partial replacement, and the replacement should be done in the shortest possible time.



- Dimensionally, the system should be constructed to be as compact and space-efficient as possible for easy handling.
- The hydraulic system should be well-equipped to allow opening or closing to any extent.
- The design should ensure that the non-burning plates are perfectly aligned, preventing molten metal from entering and minimizing system damage and wear.

Contact us

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