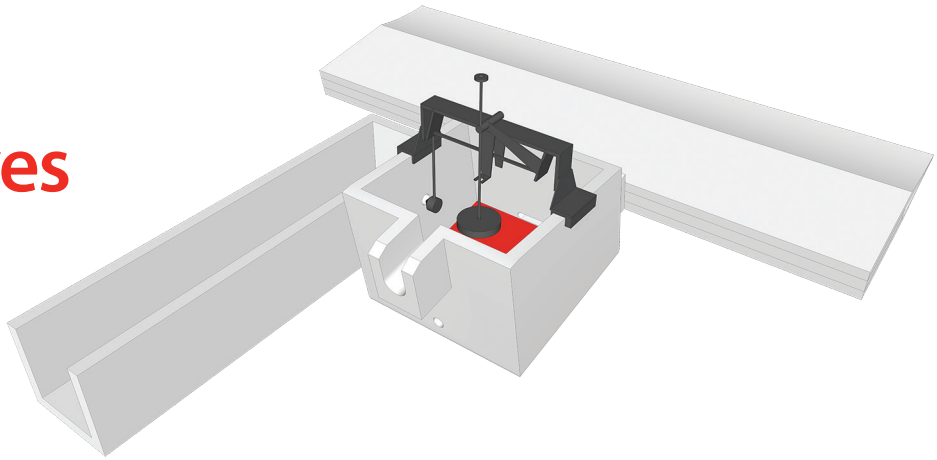
High-density Headbox Improves Continuous Casting



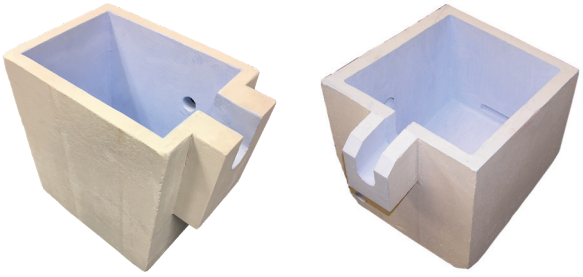
Pyrotek high-density, vacuum formed headbox

With proven aluminium casting expertise, Pyrotek offers a broad range of process solutions for continuous casters, including vacuum formed shapes manufactured from high purity alumina silica fibres. The ceramic fibres are formed together with a special bonding process to create a smoother finished surface that is resistant to thermal shock.

Pyrotek's new high-density, vacuum formed headbox (HD47 VF), designed for vertical and/or tilt casters, is formulated with a higher density than our previous headbox, making them more robust and durable than others on the market, while remaining lightweight and cost-effective.

The enhanced design helps to better secure the headbox into place to avoid shifting and safety concerns. A premium option features a fibreglass outer covering for additional strength and longevity.

Headbox Densities	
Options	Density kg/m^3 (lb/ft^3*)
Pyrotek HD47 VF Headbox	753 (47)
Pyrotek Standard VF Headbox	481 (30)
*Pyrotek has the capability to make even higher density headboxes to suit specific customer needs.	



Benefits:

- One-piece design eliminates leaks
- Resistant to thermal shock
- More robust and durable than a standard VF headbox
- Lightweight and cost-effective compared to calcium silicate
- Insulating properties maintain metal temperature
- Standard designs have no tooling charge for variations in height and thickness
- Squared exterior corners secure headbox in place, alleviating safety concerns with shifting

Why Pyrotek?

Pyrotek's global network of application engineers work with continuous sheet casters to determine the best materials, products and designs to suit their needs.

For more information contact your local Pyrotek application engineer.