



THE NEW GENERATION OF GATING SYSTEMS

HOLLOTEX* EG RUNNER & C2-FH

GATING SYSTEM COMPONENTS

Easy to handle

Higher productivity

Reduced stockholding

Reduction of disposal costs

Improved working environment



Gating system components

A real low density alternative to clay ceramic gating systems

HOLLOTEX EG Runner

HOLLOTEX EG Runner gating systems for hand moulded iron castings are applied wherever a runner system cannot be fixed on the pattern plate.

The major constituent of this product is cellulose, combined with specific grades of minerals. For stability of these thin walled components carbon fibre, in combination with an organic binder for hardening, is used. This has resulted in gating systems which are about 90% less in weight compared to conventional clay ceramic hollow ware.

Such systems are much easier to handle than a conventional ceramic one and they are also less prone to breakage. The product range is based to three main shapes: tubes, L- and T-pieces.

HOLLOTEX EG Runner components



HOLLOTEX C2-FH

In many cases foundries require further components like diameter-reducers, adapters, filter prints and in-gate components. To serve this demand, Foseco extended the HOLLOTEX product family with the addition of HOLLOTEX C2-FH.

These units are made from a highly insulating aluminosilicate refractory with an inorganic binder. These products are also lightweight, being approximately 70% lighter than clay ceramic units.

HOLLOTEX C2-FH and HOLLOTEX EG Runners can be combined simply and easily in the building of gating systems.

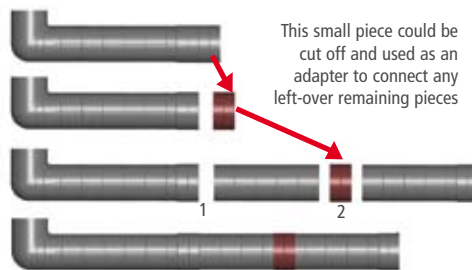
HOLLOTEX C2-FH components



The main advantages

The difference between a conventional clay ceramic system and a HOLLOTEX system

- **Reduced weight**
Due to the low weight of the components they are easy and fast to assemble, therefore the productivity of the moulding shop is increased. The physical strain on workers who now only have to push-fit such lightweight gating systems together is much reduced. Because of its light weight, it is possible to connect a crosslink without hot-melt glue or tapes, just by push-fit. The usage of supporting systems is unnecessary, removing the need to collect the supports after shake out.
- **Easy to assemble**
Each tube, L-piece and T-piece has a location flange at one end. With these unique ends, HOLLOTEX EG Runner components are assembled with an easy push-fit connection. Any individual gating system design can be assembled without glue.



- **Easy to cut**
HOLLOTEX EG Runner components are easily cut to shape with a handsaw. Unlike conventional clay

ceramic hollow ware, no dust is generated when cutting. The product is dry cut, removing any need for subsequent drying. With HOLLOTEX EG Runner components, the cut off portions can also be used with adaptors giving a more flexible approach to runner production.

- **Less stock keeping costs**
The product flexibility in use, enables stock keeping to be simplified when using the HOLLOTEX EG Runner components. Because they are easy to shorten, only one pipe length is required. Reducing the number of stock keeping units and improving cash flow.
- **Reduced contamination and disposal costs**
As a result of the materials used in HOLLOTEX EG Runner components there is hardly any contamination of the sand system after casting, and therefore there is no need to remove ceramic fragments during reclamation. Also when using HOLLOTEX C2-FH components, there is less overall sand contamination because of the make up and the low density of the HOLLOTEX components. Disposal costs for clay ceramic tubes are nowadays often very expensive. With the elimination of hard ceramic fragments in the sand, wear on downstream activities like the shakeout machine, sieves, transport belts and sand coolers are reduced, lowering the costs for service and maintenance of these facilities.



Easy to cut



Easy to assemble



Less contamination



Less disposal costs

Product application

HOLLOTEX product family and service

By combining Foseco's customer support with the new HOLLOTEX product family we can improve gating technology in your foundry.

An advantage of this product family which is difficult to measure, but very often underestimated, is increased productivity and reduced maintenance of foundry equipment, leading to improved profitability.

The whole process can be reviewed in the foundry by our experts and depending on the problem additional services such as:

- Metallurgical investigation of casting defects
- Optimisation of pattern plate layouts with the support of mould fill and solidification simulation can be offered.

Service

Our engineers and product managers work in partnership with our customers to help them improve productivity, process control, casting quality and the working environment.

Simulation

Solidification simulation is an essential tool for the modern methods engineer. All our experts have access to the latest simulation technology through our alliance with MAGMA® GmbH - the world leader in Solidification and Flow simulation technology for the foundry industry.



Product application



Simulation support

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