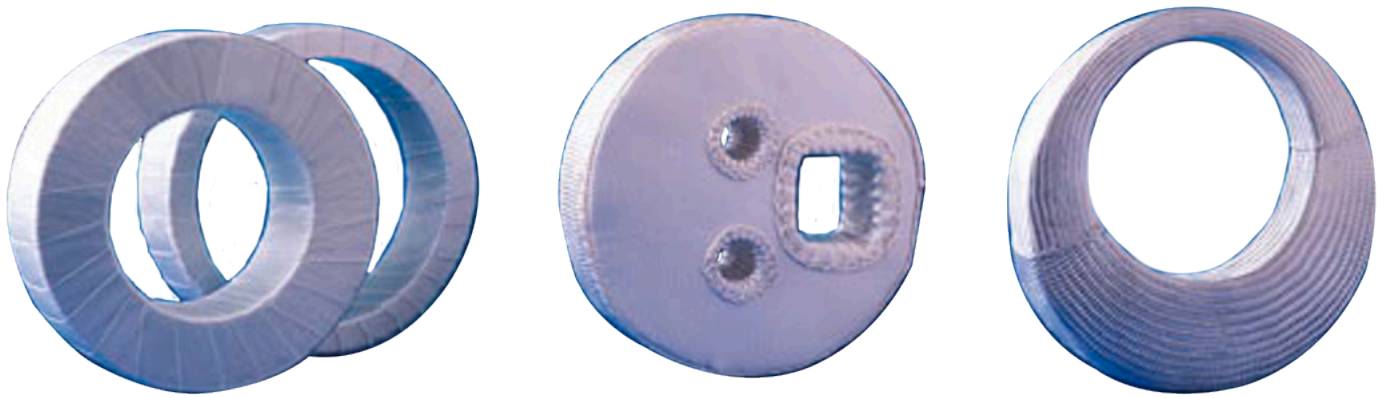


Diffusion Furnace Collars and Discs



Collars and discs are made of ceramic fiber insulation packed into braided silica, formed and sized to customer specifications. The collars provide clean and easy to handle insulation at the load end, while discs offer the same advantages at the source end of the furnace.

Our collars and discs are custom fabricated. With the combination of high temperature textiles and non-ceramic insulation these products can be used with diffusion furnace at process temperatures up to 1395°C (2543°F), with no loss of strength or flexibility.

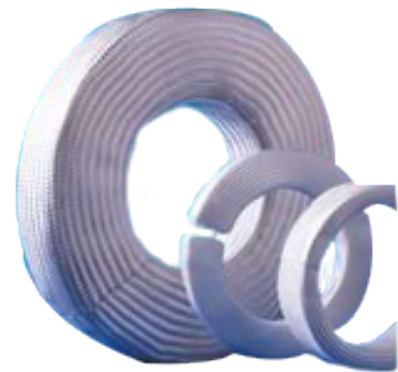
Collars - High temperature operation

Temperature stability plays an important part in manufacturing processes and is the key to good quality control. Hiltex collars and discs have excellent dimensional stability, even at temperatures up to 1300°C, and also exhibit good resistance to thermal shocks (CTE: 0.54 ppm/°C).

What's more, their effective insulation properties make it possible to realise energy saving in excess of 12%.

Collars can be produced in various forms such as open or eccentric.

- ALF - 1395°C (2543°F)
- Quartz - 1050°C (1922°F)



Discs - Ultra-pure products for perfect performance

It's no secret that more and more companies are turning to Hiltex collars and discs. And it's hardly surprising either, when you consider Hiltex's reputation for meeting the very toughest quality standards.

Discs can be produced with various forms such as 2 half segments and/or with different holes.

- ALF - 1395°C (2543°F)
- Quartz - 1050°C (1922°F)

