

**INJECTION QUILLS
FROM
CRYSTAL INDUSTRIAL**

**HASTELLOYS
ADVANTAGE**



Crystal 
industrial



HASTELLOY BODIED INJECTION QUILLS

- **Excellent corrosion resistance:** High resistance to a wide range of corrosive chemicals, including acids, alkalis, and salt solutions. Ideal for injection quills used in harsh chemical environments.
- **High-temperature strength:** Withstands high temperatures without losing strength or corrosion resistance, ideal for high-temperature processes.
- **Long service life:** Because of its corrosion resistance and high-temperature strength, injection quills are likely to have a long service life, which can save costs in the long run.





CORROSION RESISTANCE OF HASTELLOY

This makes it an ideal material for injection quills that will be used in harsh chemical environments, such as those found in chemical processing plants, oil refineries, and power plants. In these environments, traditional materials such as carbon steel or stainless steel can quickly degrade and fail, leading to costly downtime and repairs. However, a Hastelloy injection quill can withstand the corrosive conditions and maintain its integrity for a much longer period of time.



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HIGH-TEMPERATURE STRENGTH OF HASTELLOY

Hastelloy can withstand high temperatures without losing its strength or corrosion resistance, making it suitable for use in high-temperature processes. This is particularly useful in applications such as high-temperature steam injection, where traditional materials may not be able to withstand the heat. This also makes it suitable for use in high-temperature fluidized bed processes, where traditional materials may quickly degrade and fail.



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LONG SERVICE LIFE OF HASTELLOY

Because of its corrosion resistance and high-temperature strength, a Hastelloy injection quill is likely to have a long service life, which can save costs in the long run. In applications where downtime and repairs are costly, a Hastelloy injection quill can help to minimize these costs by providing a durable and reliable solution.





DISADVANTAGES OF HASTELLOY

- High cost
- High weight
- Brittle nature

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CERTIFIED WORLD-CLASS

Crystal Industrial Syndicate is now accredited with:



ISO 9001:2000

for Quality Management System



ISO 14001:2004

for Environmental Management System



OHSAS 18001:2007

for Occupational Health Safety
Management System



GLOBAL CUSTOMERS OF CRYSTAL INDUSTRIAL

Crystal Industrial's products are installed around the world, from North America and Europe to Africa and the Middle East.

We recently completed the implementation of an order of fixed and retractable injection quills to **Sasol refineries** in USA, after complying with the stringent quality standards and specifications laid down by Sasol's engineers.



sasol
reaching new frontiers



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