

# Sample & Injection Quills

## Overview

Sample and Injection Quills are generally constructed from an alloy such as 316/316L stainless steel. Materials to manufacture quills include bar stock, ASME pipe, flanges and fittings. Quill assemblies are manufactured to include valves and other process piping components.

Features:


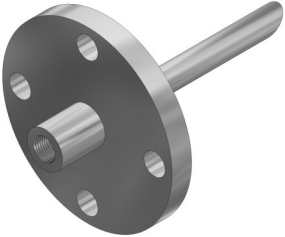
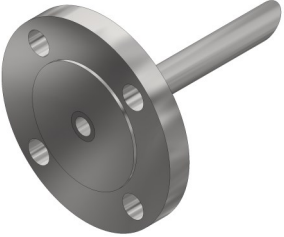
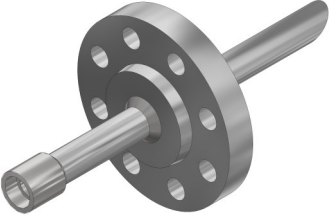
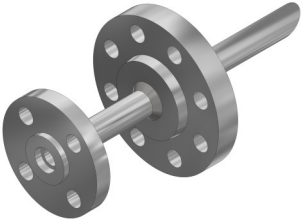
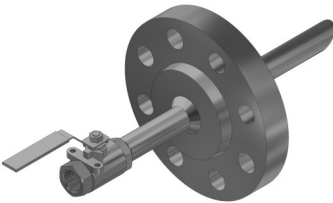
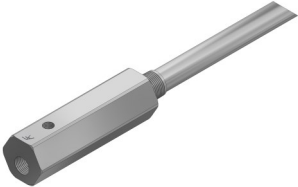
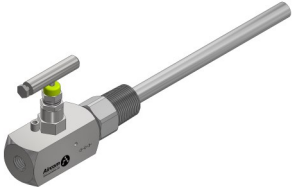
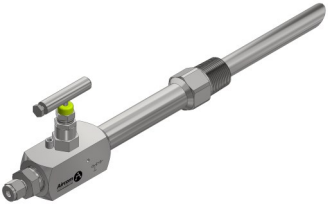
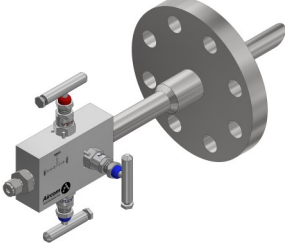
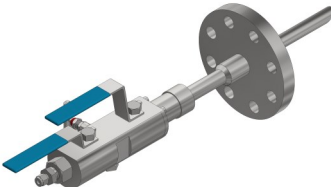
- CRN (Canadian Registration Number) for a wide variety of alloys
- Full penetration welding for bar stock flanged quills
- Full material traceability and NDE options

Application: Process sampling systems and chemical injection.

## Design Considerations

When designing a quill to suit your application it is important to consider the following:

- Bore size
- Piping Connection
- Process connection
- Material
- Insertion (U) length
- Overall length
- Quill material
- Tip diameter
- Root diameter
- Process temperature
- Process pressure
- Process compatibility

<p>Threaded Bar Stock</p> 	<p>Flanged Bar Stock</p> 	<p>Double RF Flange</p> 	<p>Flanged Pipe Quill</p> 
<p>Double Flanged Pipe Quill</p> 	<p>Pipe Quill with Ball Valve</p> 	<p>Pressure &amp; Temperature</p> 	<p>Standard Sample Quill (Isolation Valve)</p> 
<p>Vented Needle Valve</p> 	<p>Double Block &amp; Bleed Valve (Needle - Needle - Needle)</p> 	<p>Double Block &amp; Bleed Valve (Ball - Needle - Ball)</p> 	<p><i>More options and configurations within Sample &amp; Injection Quill catalog section...</i></p>