

# AQ05 Straight Flanged Quill Model Code

AQ05 - T1 - T2 T3 - T4 - T5 - T6 - T7 - T8

## AQ05 Straight Flanged Quill - RF by RF Flange

T1	Quill Material		
304	304/304L stainless	LF2	A350 LF2
316	316/316L stainless	Other <sup>2</sup> Consult factory	
HAC	Hastelloy C276		

T2	Flange Size NPS	Nominal Pipe OD
1"	1" NPS	1.315"
<b>1.5"</b>	<b>1.5" NPS</b>	<b>1.900"</b>
<b>2"</b>	<b>2" NPS</b>	<b>2.375"</b>
Other	Consult factory	

T3	Flange Class per ASME B16.5
150#	Class 150
<b>300#</b>	<b>Class 300</b>
<b>600#</b>	<b>Class 600</b>
900#	Class 900
1500#	Class 1500
2500#	Class 2500

T4	Bore
<b>38</b>	<b>0.385"</b>
26	0.260"

T5	Specify "U" Length (inches) <sup>3</sup>
"inches"	Specify length

T6	Specify "A" & "B" (Shank) Diameter <sup>4</sup>
0.50	0.5" (minimum)
0.625	0.625"
<b>0.75</b>	<b>0.75" (standard)</b>
<b>1.00</b>	<b>1.00"</b>
1.125	1.125"
1.250	1.250"
1.5	1.5"
Other	Specify outside diameter in inches

T7	Quill Opening
<b>45</b>	<b>45° Angle</b>
90	90° Angle (straight)
HD	Holes along pipe <sup>5</sup>

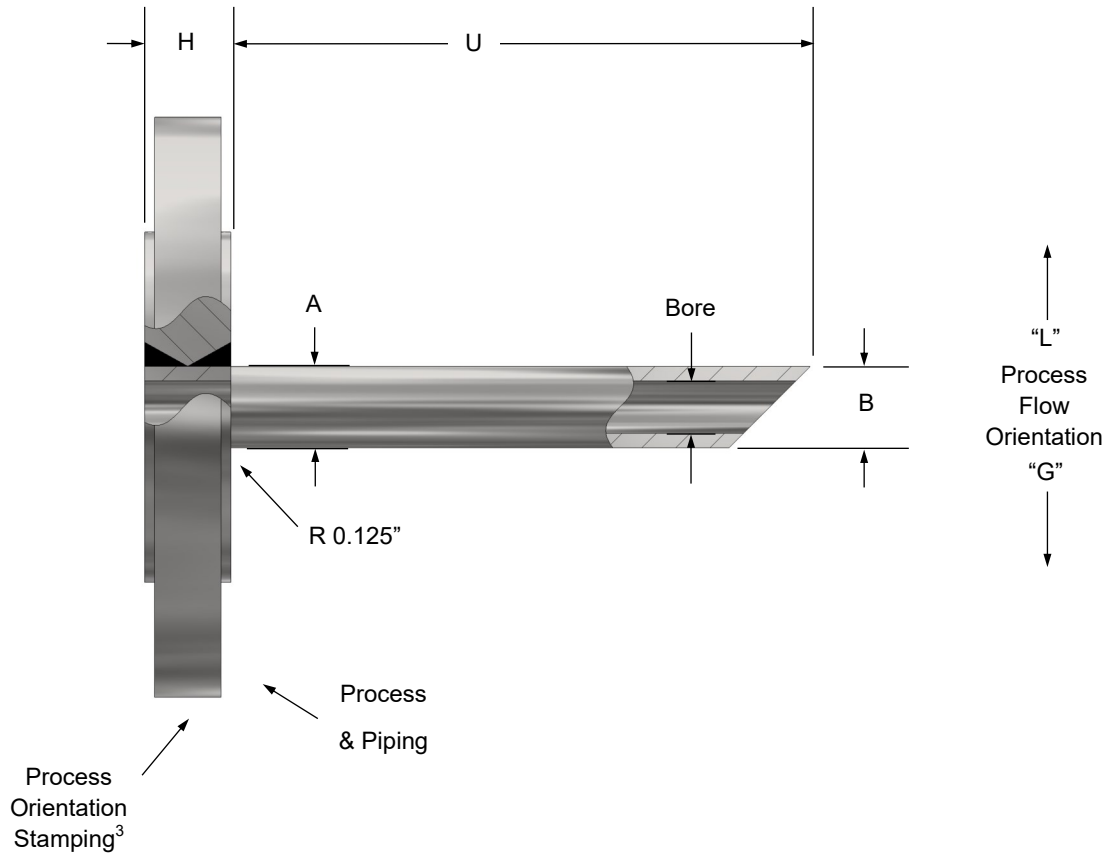
T8	Process Flow Orientation
G	Into back wall of pipe
L	Into 45° or holes along pipe

### NOTES:

1. Part number example: AQ05-316-2"300#-38-12-1.063-0.75-45-L
2. Canadian Registration Number (CRN) available for most common alloys, consult factory
3. Reference page 2 for part outline and dimensions
4. Maximum allowable A (root) diameter must be less than the nominal pipe OD (T2)
5. Specify number of holes, size and locations
6. Bold text indicates most common part selections



# AQ05 Flanged Quill Outline & Dimensions



Nominal Pipe Size	Aircom Standard "H" Length (inches)			
	Class 150	Class 300	Class 600	Class 900
1"	0.56"	0.68"	0.94"	1.37"
1.5"	0.68"	0.81"	1.13"	1.5"
2"	0.75"	0.88"	1.25"	1.75"
Other	Consult factory for custom and other H lengths			

## NOTES:

1. Bar stock to flange is a full penetration weld
2. Raised face (RF) flange finish 125-250 RMS
3. Quill orientation to process flow will be stamped with an arrow on flange
4. Quill bolt orientation to be two-hole
5. Quill opening (T8) 45° shown