

# AQ03 Pipe Quill Model Code

AQ03 - T1 - T2 T3 - T4 T5 - T6 - T7 - T8 - T9 - T10

## AQ03 Pipe Quill - RF Slip-On by Weld Neck Flange

T1	Quill Pipe Size NPS	Pipe OD	Pipe ID
<b>AA</b>	<b>1/2" SCH 80</b>	<b>0.840"</b>	<b>0.546"</b>
<b>BA</b>	<b>3/4" SCH 80</b>	<b>1.050"</b>	<b>0.742"</b>
<b>CA</b>	<b>1" SCH 80</b>	<b>1.315"</b>	<b>0.957"</b>
DA	1-1/4" SCH 80	1.660"	1.469"
EA	1-1/2" SCH 80	1.900"	1.500"
FA	2" SCH 80	2.375"	1.939"
GA	3" SCH 80	3.500"	2.900"
HA	4" SCH 80	4.500"	3.826"
<b>AB</b>	<b>1/2" SCH 160</b>	<b>0.840"</b>	<b>0.446"</b>
<b>BB</b>	<b>3/4" SCH 160</b>	<b>1.050"</b>	<b>0.614"</b>
<b>CB</b>	<b>1" SCH 160</b>	<b>1.315"</b>	<b>0.815"</b>
DB	1-1/4" SCH 160	1.660"	1.160"
EB	1-1/2" SCH 160	1.900"	1.338"
FB	2" SCH 160	2.375"	1.687"
GB	3" SCH 160	3.500"	2.626"
HB	4" SCH 160	4.500"	3.438"

T2	Piping Connection Flange Size <sup>2</sup> NPS
1/2"	1/2" NPS
3/4"	3/4" NPS
1"	1" NPS
1.25"	1-1/4" NPS
1.5"	1-1/2" NPS
<b>2"</b>	<b>2" NPS</b>
3"	3" NPS
4"	4" NPS

T3	Piping Connection Flange Class per ASME B16.5
150#RF	Class 150 raised face flange
<b>300#RF</b>	<b>Class 300 raised face flange</b>
<b>600#RF</b>	<b>Class 600 raised face flange</b>
900#RF	Class 900 raised face flange
1500#RF	Class 1500 raised face flange

T4	Process Connection Flange Size <sup>2</sup> NPS
1/2"	1/2" NPS
3/4"	3/4" NPS
1"	1" NPS
1.25"	1-1/4" NPS
1.5"	1-1/2" NPS
<b>2"</b>	<b>2" NPS</b>
3"	3" NPS
4"	4" NPS

T5	Process Connection Flange Class ASME B16.5
150#RF	Class 150 raised face flange
<b>300#RF</b>	<b>Class 300 raised face flange</b>
<b>600#RF</b>	<b>Class 600 raised face flange</b>
900#RF	Class 900 raised face flange
1500#RF	Class 1500 raised face flange

T6	Quill Material
316	316/316L stainless
HAC	Hastelloy C276
LF2	A350 LF2
	Other <sup>3</sup> Consult factory

T7	Quill "U" Length (inches) <sup>4</sup>
"inches"	Specify length in inches

T8	Quill "A" Length (inches) <sup>4</sup>
"inches"	Specify length in inches (minimum 3")

T9	Quill Opening
45	45° Angle
90	90° Angle (straight)
HD	Holes along pipe <sup>5</sup>

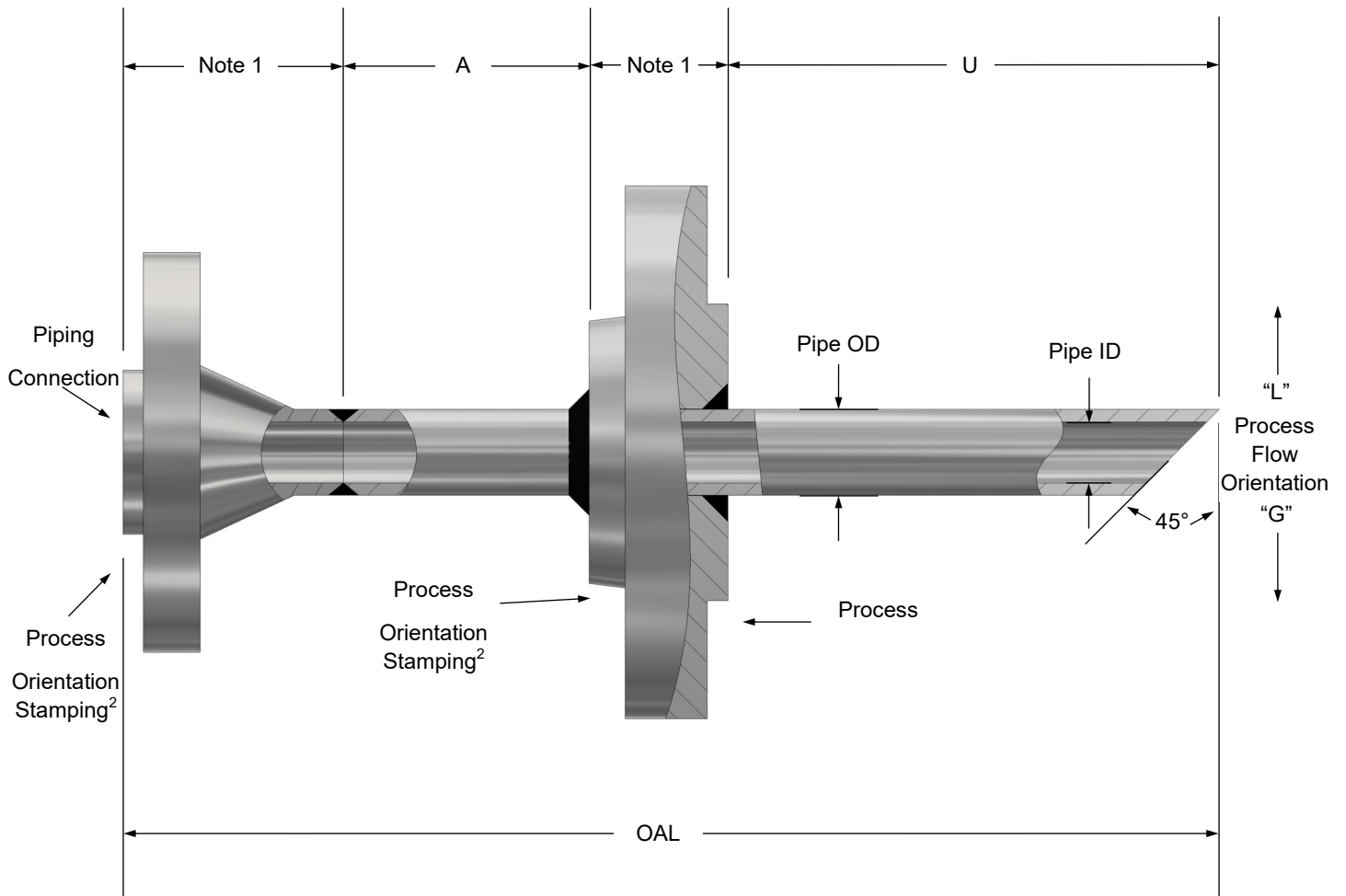
T10	Process Flow Orientation
G	Into back wall of pipe
L	Into 45° or holes along pipe

### NOTES:

1. Part number example: AQ03-BA-2"300RF-2"600#RF-316-12-4-45-L
2. Flange size can not be smaller than (T1) Quill Pipe Size NPS
3. Canadian Registration Number (CRN) available for some common alloys, consult factory
4. Reference page 2 for part outline and dimensions
5. Specify number of holes, size and locations
6. Bold text indicates most common part selections



# AQ03 Pipe Quill Outline & Dimensions



## NOTES:

1. Flange dimensions per ASME B16.5
2. Quill orientation to process flow will be stamped with an arrow on each flange face
3. Quill bolt orientation to be two-hole
4. Quill opening (T7) 45° shown