



SWEEPING ELBOWS PIGGING QUICK FACTS



PIGGING
SOLUTIONS™

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FEATURES:

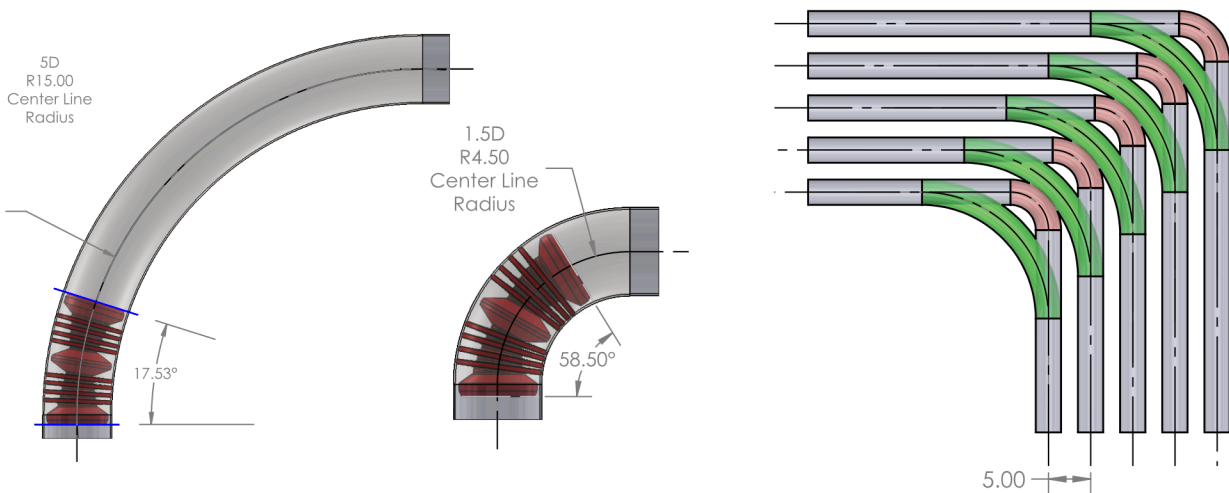
- + Larger bend radius than standard elbow. The bend radius of a piggable elbow is typically 3 to 5 times the nominal pipe diameter. For example, a 3 in diameter pipe will have a bend radius of 9 inches or 15 inches. See the diagram below.
- + Fabricated to assure ovality in the bend radius is minimal. Pigging Solutions and industry standard is a maximum ovality of 2.5%.
- + Piggable elbows are specially fabricated to prevent ovality in the bend radius. Pigging Solutions and general industry spec is less than 2.5% ovality.
- + They have straight weld tangents on each end to facilitate installation by piping contractors and assure true alignment and smooth pig passage.

PROBLEMS AVOIDED BY USE OF PIGGABLE ELBOWS:

- + Pinch-points, higher pressure requirement, excessive pig speed, damage to pigs
- + Elbows with ovality and tight bend radius create pinch-points which increases the required pressure to push the pig through the restriction
- + Higher pressures increase pig travel speed which can result in pig damage and failure

BENEFITS :

- + Smoother pig passage and lower system pressure requirements
- + Accommodates the use of a wide range of pig materials that are resistant to aggressive chemicals and higher temperatures. These materials are frequently less flexible and less forgiving of tight bend radius elbows
- + Helps assure trouble free operations and user satisfaction



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