

Spiral Insert Cage

The only true one-piece cage with Tangentflow spiral insert

APPLICATIONS

- Pumps that suffer from cage beat-out due to violent ball travel
- High GOR wells

BENEFITS

- Extends cage life
- Maximizes fluid flow
- Increases pump fillage

FEATURES

- Available for 1 1/8 in through 2 3/4 in bore pumps
- Tangentflow insert
- Monel®, Alloy, Stainless

The Don-Nan Spiral Insert Cage is similar to hard-lined cages and the Don-Nan Insert Guided Cage but instead utilizes the patented Tangentflow insert.

Unlike competitor offerings, you won't find any multi-piece assemblies, retainer rings, or other inferior manufacturing methods in use here. All Don-Nan Spiral Insert Cages are manufactured using a patented inertia friction welding process where the insert is placed between two cage halves that are fused together to create the most structurally sound cage on the market.

This one-piece cage extends valve life in applications that would otherwise fail at a much faster rate due to violent ball rattle caused by turbulent gas and fluid flow. The insert creates a spherical flow profile to keep the ball centered in the cage as gas-entrained fluid flows through, resulting in as much as a 40% decrease in pressure drop and 25% increase in pump fillage compared to a standard insert.*

The Don-Nan Spiral Insert Cage is available for use in standing, traveling, and double-valve pump configurations. Metallurgy options include Monel®, alloy steel, and stainless steel, all with Tangentflow insert.

For technical information and case studies on the Tangentflow insert, please visit www.tangentflow.com.

*Claims of performance improvement compared to a standard insert are sourced from Tangentflow case study data.



The Tangentflow insert is inertia-friction-welded in place, which creates a much stronger and more stable product in comparison with multipiece cages.