

# Oversized Cage

High-efficiency cage for improved solids and gas flow-through

**APPLICATIONS**

- Wells with moderate to high amounts of solution gas

**BENEFITS**

- Minimizes gas interference in the pump
- Improves solids flow-through
- Increases pump efficiency

**FEATURES**

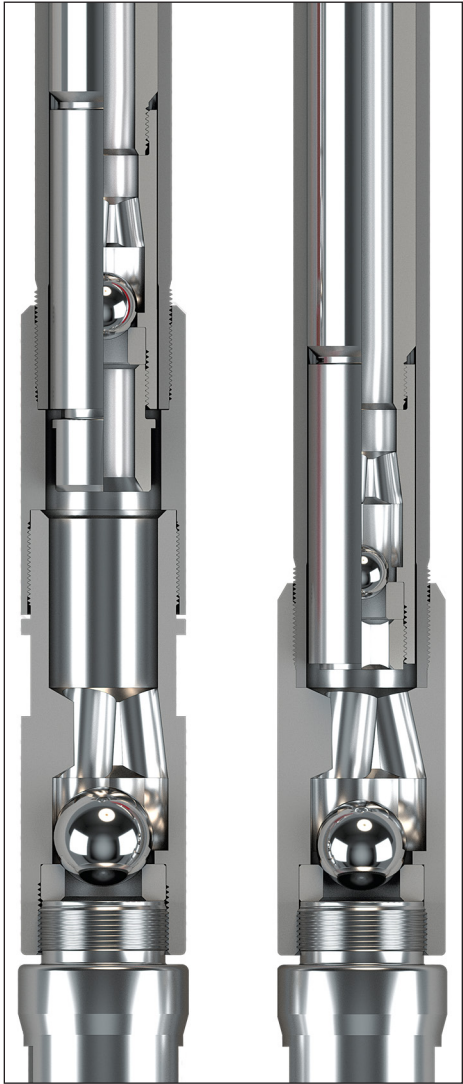
- Larger flow area
- High strength
- Corrosion resistance

The oversized cage is a standing valve cage fitted directly to the hold-down mandrel and pump barrel. It allows fluid and particulates to travel through valves with less disturbance, reducing gas interference and increasing pump efficiency.

It has an enlarged body compared to the equivalent API cage. Although the outside diameter has been increased, it continues to meet tubing drift requirements. Increasing the outside diameter effectively increases the flow area inside the cage without a loss of strength.

When combined with alternate pattern ball and seat, the oversized cage allows fluid and particulates to travel through valves with less disturbance, resulting in reduced gas interference and increased pump efficiency during field testing.

The oversized cage is available in alloy steel, stainless steel, and MONEL®.



API configuration.

Don-Nan oversized cage.

**Oversized Cage Specifications**

Min. Tubing Size, in [mm]	Pump OD, in [mm]	Pump ID, in [mm]	Barrel	Oversized cage	Ball Diameter, in [mm]	Seat Size, in [mm]
2 3/8 [34.925]	1 3/8 [41.275]	1 1/8 [26.988]	Heavy wall (RH)	CF50	1 1/8 [28.575]	2 [50.8]
2 3/8 [34.925]	1 3/8 [41.275]	1 1/4 [31.75]	Heavy wall (RH)	CF50	1 1/8 [28.575]	2 [50.8]
2 3/8 [34.925]	1 3/4 [41.275]	1 1/2 [38.1]	Thin wall (RW)	CF52	1 1/8 [28.575]	2 [50.8]
2 3/8 [34.925]	1 7/8 [41.275]	1 1/2 [38.1]	Heavy wall (RX)	CF52	1 1/8 [28.575]	2 [50.8]