

Oversized Cage

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

APPLICATIONS

- Well 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 Don-Nan 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.

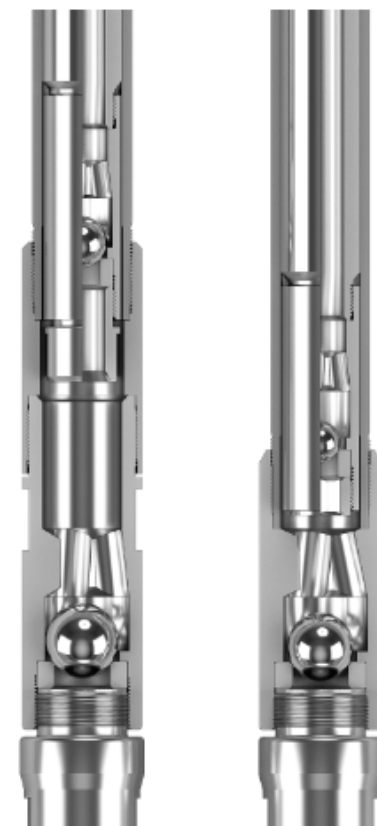
It has an enlarged body compared to the equivalent API cage. Although the outside diameter has been increased, it continues to meet tubing drift requirements. Increasing the outside diameter effectively increases the flow area inside the cage without a loss of strength.

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 Don-Nan oversized cage is available in alloy steel, stainless steel, and MONEL®.

Don-Nan Oversized Cage Specifications

Min. Tubing Size, in [mm]	Pump OD, in [mm]	Pump ID, in [mm]	Barrel Type	Oversized Cage	Ball Diameter, In [mm]	Seat Size, In [mm]
2 ³ / ₈ [60.325]	1 ⁵ / ₈ [41.275]	1 ¹ / ₁₆ [26.988] 1 ¹ / ₄ [31.75]	Heavy wall (RH)	CF50m	1 ¹ / ₈ [28.575]	2 [50.8]
2 ³ / ₈ [60.325]	1 ³ / ₄ [44.45]	1 ¹ / ₂ [38.1]	Thin wall (RW)	CF52m	1 ¹ / ₈ [28.575]	2 [50.8]
2 ³ / ₈ [60.325]	1 ⁷ / ₈ [47.625]	1 ¹ / ₂ [38.1]	Heavy wall (RX)	CF52m	1 ¹ / ₈ [28.575]	2 [50.8]
2 ³ / ₈ [60.325]	1 ⁷ / ₁₆ [36.5125]	1 ¹ / ₁₆ [26.988]	Heavy wall (RH)	CF57m-0	1 ¹ / ₈ [28.575]	2 [50.8]
2 ⁷ / ₈ [73.025]	1 ⁵ / ₈ [41.275]	1 ¹ / ₄ [31.75]	Heavy wall (RH)	CF62m-1F	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]
2 ⁷ / ₈ [73.025]	1 ⁷ / ₈ [47.625]	1 ¹ / ₂ [38.1]	Heavy wall (RH)	CF62m-2F	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]
2 ⁷ / ₈ [73.025]	1 ⁷ / ₁₆ [36.5125]	1 ¹ / ₁₆ [26.988]	Heavy wall (RH)	CF67m-0	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]
2 ⁷ / ₈ [73.025]	1 ⁵ / ₈ [41.275]	1 ¹ / ₁₆ [26.988] 1 ¹ / ₄ [31.75]	Heavy wall (RH)	CF67m-1	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]
2 ⁷ / ₈ [73.025]	1 ⁷ / ₈ [47.625]	1 ¹ / ₂ [38.1]	Heavy wall (RH)	CF67m-2	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]
2 ⁷ / ₈ [73.025]	2 ¹ / ₈ [53.975]	1 ³ / ₄ [41.275]	Heavy wall (RH)	CF67m-3	1 ¹ / ₄ [31.75]	2 ¹ / ₄ [57.15]



API configuration

Don-Nan oversized cage