

# STAGE CEMENTING COLLAR

## DESCRIPTION

The Stage Cementing Collar is a specialized downhole tool designed to enable multi-stage cementing operations, ensuring precise zonal isolation and improved cement placement in challenging well conditions. Installed as part of the casing string, it allows operators to pump cement in controlled stages, targeting specific intervals of the wellbore for enhanced coverage and bonding.

With a robust and field-proven design, the Stage Cementing Collar delivers reliable performance under high-pressure conditions while maintaining operational simplicity. The hydraulic or mechanical activation system minimizes risk during cementing and ensures dependable opening and closing functionality. By allowing accurate placement of cement only where needed, the collar reduces cement volumes, shortens pumping time, and improves overall cement integrity.

Ideal for both primary and remedial cementing, the Stage Cementing Collar is available in multiple configurations, sizes, and pressure ratings to suit a wide range of casing programs and well designs.

## FEATURES

- Field-adjustable shear values for controlled operation
- Available in two- or three-stage configurations
- PDC drillable design for faster and easier drill-out
- Hydraulic or mechanical opening options
- Opening and closing sleeves locked to prevent rotation during drill-out
- Latch ring mechanism securely locks both sleeves in the closed position



Casing size  
in - [mm]Casing Weight  
Min-Max [lbs/ft]Wall thickness  
Min-Max [mm]

4 - [101.6]

9.5 - 11.6

5.74 - 6.9

Stage Body OD  
in - [mm]Max Drill  
Out ID  
in - [mm]Opening  
Seat ID  
in - [mm]Closing  
Seat ID  
in - [mm]

4.5 - [114.3]

11.6 - 15.1

6.35 - 8.56

5.75 - [146.1]

3.805 - [96.6]

2.625 - [66.7]

3 - [76.2]

5 - [127]

15 - 18

7.52 - 9.19

6.25 - [158.8]

4.293 - [109]

2.875 - [73]

3.25 - [82.6]

5.5 - [139.7]

17 - 20

7.72 - 9.17

6.625 - [168.3]

4.835 - [122.8]

3.625 - [92.1]

4 - [101.6]

5.75 - [146.1]

19.5 - 21.8

8.51 - 9.53

7 - [177.8]

5.09 - [129.3]

3.625 - [92.1]

4 - [101.6]

6.625 - [168.3]

20 - 24

7.32 - 8.94

8 - [203.2]

5.934 - [150.7]

4.375 - [111.1]

5 - [127]

7 - [177.8]

17 - 26

5.87 - 9.19

8.25 - [20955]

6.351 - [161.3]

4.625 - [117.5]

5.25 - [133.4]

7.625 - [193.7]

33.7 - 39

10.92 - 12.7

9 - [228.6]

6.76 - [171.7]

4.625 - [117.5]

5.25 - [133.4]

9.625 - [244.5]

43.5 - 53.5

11.05 - 13.84

11.125 - [282.6]

8.689 - [220.7]

6.75 - [171.5]

7.76 - [197.1]

10.75 - [273.1]

45.5 - 55.5

10.16 - 12.57

12.25 - [311.2]

9.875 - [250.8]

8 - [203.2]

8.76 - [222.5]

11.75 - [298.5]

54 - 65

11.05 - 13.56

13.63 - [346.2]

10.75 - [273.1]

9 - [228.6]

9.75 - [247.7]

13.375 - [339.7]

61 - 72

10.92 - 13.06

15 - [381]

12.375 - [314.3]

10.5 - [266.7]

11.25 - [285.8]