

# Bowen Reverse Circulation Junk Basket

The Bowen™ reverse circulation junk basket retrieves all types of small junk objects in wellbores using reverse circulation, eliminating misruns of other downhole tools. A drain through the tool eliminates the possibility of pulling a wet string. You may convert the tool into an effective fishing magnet and still retain the reverse circulation feature.

The barrel, which is, a two-bowl assembly, allows reverse circulation. Once the steel ball has settled into the valve seat, circulation fluid diverts around the valve and through the inner passages of the barrel, where it jets down and out against the full circumference of the hole. The Venturi effect causes the fluid to flow in a continuous stream up through the barrel and then out the return ports at the upper end of the barrel. Bowen reverse circulation junk baskets are available in various sizes to catch standard and oversized bit cones.

## Applications

- Retrieves all types of small, irregularly shaped junk objects within the wellbore (bit cones, slips, chains, etc.)
- Effective in both cased and open-hole operations
- Effective in both vertical and horizontal operations

## Features and Benefits

- A lifting sub provides ease of handling and includes a storage space for the steel ball used in the operation of the tool
- Use of a steel ball diverts the flow and creates a Venturi effect, which forces junk up through the bottom of the tool
- May be converted into a fishing magnet by replacing the catcher with the Bowen magnet insert
- A variety of shoes are available, allowing the tool to be tailored per operation

## Additional Specs

This tool is capable of catching up to 11-in. fish diameter. Additional information can be found in the instruction manual (#3100).



## Technical Specifications

Hole Size (in.)	OD of Barrel (in.)	Max Diameter of Fish (in.)	Assembly Number
3 ¾ to 4	3 ⅝	2 ¼	6635
4 ⅞ to 4 ½	4	2 ½	7295
4 ⅞ to 5	4 ½	3 ⅛	4448
5 ⅞ to 5 ½	4 ⅞	3 ⅜	4572
5 ⅞ to 6	5 ⅞	3 ¾	2618
6 ⅞ to 6 ½	5 ¾	4 ⅜	2670
6 ⅞ to 7 ⅜	6 ¼	4 ¾	2677
7 ½ to 8 ¼	7	5 ⅞	2554
8 ⅞ to 9 ½	7 ⅞	6 ⅛	2567
9 ⅞ to 10 ⅞	9 ⅞	7 ⅛	2659
10 ¾ to 11 ⅞	10 ⅞	7 ⅝	2684
11 ¾ to 12 ½	11	8 ⅝	2690
12 ⅞ to 13 ⅞	11 ⅞	8 ½	2696
13 ¾ to 16	13	9 ⅜	2702
16 to 17 ½	15	11	2708

