

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 body, 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 a variety of sizes to meet the needs of the market.

Technical Data

Hole Size (in.)	OD of Barrel (in.)	Max Diameter of Fish (in.)	Assembly Number
3 ¾ to 4	3 ⅝	2 ¼	6635N
4 ⅞ to 4 ½	4	2 ½	7295N
4 ⅝ to 5	4 ½	3 ¼	4448N
5 ⅞ to 5 ½	4 ⅞	3 ⅝	4572N
5 ⅝ to 6	5 ⅝	3 ¾	2618N
6 ⅞ to 6 ½	5 ¾	4 ⅜	2670N
6 ⅝ to 7 ⅜	6 ¼	4 ¾	2677N
7 ½ to 8 ¼	7	5 ⅞	2554N
8 ⅝ to 9 ½	7 ⅞	6 ⅝	2567N
9 ⅝ to 10 ⅝	9 ⅞	7 ⅝	2659N
10 ¾ to 11 ⅝	10 ⅞	7 ⅞	2684N
11 ¾ to 12 ½	11	8 ⅝	2690N
12 ⅝ to 13 ⅝	11 ⅞	8 ½	2696N
13 ¾ to 16	13	9 ⅜	2702N
16 to 17 ½	14 ⅞	11	2708N
22 to 26	21	16	505164N

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

- Improved flow with increased hole cleaning
- Upgraded design fully serviceable and MPI inspectable
- New load-rated lift sub which includes storage space for activation ball
- 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

