

# Seal Bore Packers

## D & DB Seal Bore Packers

The Seal Bore Packers are highly versatile tools which may be set on wireline, mechanically or hydraulically. They are frequently used on stimulation jobs where excessively high pressure and temperatures are encountered. The Seal Bore Packers also have several options that allow the packer to be converted to a bridge plug by installing a Knock-Out plug, Pump-Out Plug or Screw Out Plug to isolate a lower zone. The zone may later be produced by removing the plug with the production string and landing the seals.

Optional bottoms are available which enable the use of a full line of packer accessory equipment. There is also a full line of seals to select from including Kalrez, Aflas, Viton, Teflon, Ryton and our own standard Nitrile compound. The DB Packer incorporates the same features as the standard Type D Packer with the addition of a large upper seal bore. This features allows the largest possible ID through the packer and seals for completions requiring large tubing sizes.

### Product Features

- Wireline, mechanical or hydraulic setting options
- Metal back-up system expands to casing ID to prevent rubber extrusion
- Top connection interchangeable to accept competitive seals
- Parts keyed for easy mill-out
- Rubber options for high temperatures, H2S and CO2 applications

### Specifications

| Casing Size | WT.         | O.D. of Tool | Nominal Casing I.D. Range |        | Packer Bore | Min. Bore Through Seals |
|-------------|-------------|--------------|---------------------------|--------|-------------|-------------------------|
|             |             |              | Min.                      | Max.   |             |                         |
| 4-1/2"      | 15.1 - 16.6 | 3.600        | 3.754                     | 3.826  | 2.390       | 1.703 / 1.813           |
|             | 9.5 - 13.5  | 3.750        | 3.920                     | 4.090  | 2.390       | 1.703 / 1.813           |
|             | 9.5 - 13.5  | 3.750        | 3.920                     | 4.090  | 2.500       | 1.910                   |
|             | 13.5 - 15.1 | 3.594        | 3.826                     | 3.900  | 2.500       | 1.910                   |
|             | 9.5 - 13.5  | 3.750        | 3.920                     | 4.090  | 2.688       | 1.938                   |
| 5"          | 15.0 - 21.0 | 3.968        | 4.156                     | 4.408  | 2.688       | 1.938                   |
| 5-1/2"      | 23.0 - 26.0 | 4.250        | 4.548                     | 4.670  | 2.688       | 1.938                   |
|             | 17.0 - 23.0 | 4.437        | 4.670                     | 4.892  | 2.688       | 1.938                   |
|             | 13.0 - 17.0 | 4.563        | 4.892                     | 5.044  | 3.000       | 2.375 / 2.270           |
|             | 17.0 - 23.0 | 4.437        | 4.670                     | 4.892  | 3.000       | 2.375 / 2.270           |
| 6-5/8"      | 17.0 - 32.0 | 5.687        | 5.675                     | 6.135  | 4.000       | 3.000                   |
| 7"          | 23.0 - 32.0 | 5.687        | 6.094                     | 6.366  | 2.688       | 1.938                   |
|             | 32.0 - 38.0 | 5.468        | 5.920                     | 6.094  | 3.250       | 2.406                   |
|             | 23.0 - 32.0 | 5.687        | 6.094                     | 6.366  | 3.250       | 2.406                   |
|             | 17.0 - 20.0 | 6.187        | 6.456                     | 6.538  | 3.250       | 2.406                   |
|             | 32.0 - 38.0 | 5.687        | 5.920                     | 6.094  | 4.000       | 3.000                   |
|             | 26.0 - 29.0 | 5.875        | 6.184                     | 6.276  | 4.000       | 3.000                   |
|             | 20.0 - 23.0 | 6.000        | 6.366                     | 6.456  | 4.000       | 3.000                   |
|             | 17.0 - 20.0 | 6.250        | 6.456                     | 6.538  | 4.000       | 3.000                   |
| 7-5/8"      | 24.0 - 39.0 | 6.250        | 6.625                     | 7.025  | 3.250       | 2.406                   |
|             | 33.7 - 39.0 | 6.250        | 6.625                     | 6.765  | 4.000       | 3.000                   |
|             | 24.0 - 33.7 | 6.500        | 6.765                     | 7.025  | 4.000       | 3.000                   |
| 8-5/8"      | 36.0 - 49.0 | 7.125        | 7.511                     | 7.825  | 4.000       | 3.000                   |
|             | 24.0 - 36.0 | 7.500        | 7.825                     | 8.097  | 4.000       | 3.000                   |
| 9-5/8"      | 29.3 - 53.5 | 8.125        | 8.535                     | 9.063  | 3.250       | 2.406                   |
|             | 29.3 - 53.5 | 8.125        | 8.535                     | 9.063  | 4.750       | 3.750                   |
| 10-3/4"     | 60.7 - 81.0 | 8.718        | 9.250                     | 9.660  | 3.250       | 2.375                   |
|             | 60.7 - 81.0 | 8.718        | 9.250                     | 9.660  | 4.000       | 3.000                   |
|             | 32.7 - 55.5 | 9.50         | 9.760                     | 11.150 | 3.250       | 2.375                   |
|             | 32.7 - 55.5 | 9.50         | 9.760                     | 11.150 | 4.000       | 3.000                   |
| 11-3/4"     | 38.0 - 60.0 | 9.50         | 9.760                     | 11.150 | 3.250       | 2.375                   |
|             | 38.0 - 60.0 | 9.50         | 9.760                     | 11.150 | 4.000       | 3.000                   |
| 13-3/8"     | 48.0 - 80.7 | 12.000       | 12.215                    | 12.715 | 9.00        | 8.000                   |

**Note:** Additional sizes available on request.

