

BlackCat Retrievable Sealbore Packer

Provides an excellent seal that enables the packer to pack off and resist swabbing

Applications

- High-pressure production or injection
- Stimulation and fracturing
- Operations with TCP guns run below the packer
- High-rate gravel packing
- Anchored or floating seal applications
- Deviated and horizontal wells

Features and Benefits

- The packer can be set by wireline or by a hydraulic tool, which provides flexibility in deployment.
- Hydraulically setting the packer avoids the need to rotate the work string while running or retrieving the packer and therefore simplifies procedures, improves efficiency, and saves rig time.
- The ECNER array system reduces the swab-off effect and facilitates center packoff by enabling a supporting force to be applied to the outer elements.
- The components are rotationally locked to enable rotation into liner tops and horizontal sections, which saves rig time

Tool Description

The Weatherford BlackCat retrievable sealbore packer is a reliable, high-pressure packer for production, gravel-packing, and injection. It can be set on wireline or on tubing with a hydraulic setting tool and can be run with tubing-conveyed perforating (TCP) guns suspended beneath. The ECNER array system (high pressure thermal packing element) provides an excellent seal that enables the packer to pack off and to resist swabbing. The packer can be retrieved with a pulling tool on a work string, and the rotationally locked components facilitate milling when normal retrieval is impossible.

The BlackCat packer uses the same accessories as the UltraPak™ permanent packer and is available in many materials suitable for hostile environments.



The BlackCat retrievable sealbore packer is available in materials suitable for hostile environments.



BlackCat Retrievable Sealbore Packer

Specifications

| Casing | | | | Packer | | | | Accessories | | |
|-----------------|------------------------|------------------------|------------------------|------------------------------|----------------------|---|-------------------|--------------------|---|--|
| OD In. (mm) | Weight lb/ft (kg/m) | Minimum ID in. (mm) | Maximum ID in. (mm) | Gauge Ring OD in. (mm) | Sealbore in. (mm) | Minimum ID Through Seals in. (mm) | Product Number | Retrieving Tool | Modular Hydraulic Tool (MHT) Adapter Kit | Baker E-4 Wireline Adapter Kit |
| 4-1/2 114.30 | 9.5 to 10.5 | 4.052 | 4.090 | 3.906 | 2.500 | 1.910 | 258938 | 234761 | - | 169067 |
| | 14.14 to 15.63 | 102.92 | 103.89 mm | 99.21 | | | | | | |
| | 11.6 to 13.5 | 3.920 | 4.000 | 3.771 | 63.50 | 48.51 | 258937 | | | |
| | 17.26 to 20.09 | 99.57 | 101.60 | 95.78 | | | | | | |
| 5 127 | 11.5 to 15.0 | 4.408 | 4.560 | 4.250 | 2.688 | 1.933. | 277605 | 271588 | - | 265689 |
| | 17.11 to 22.32 | 111.96 | 115.82 | 107.95 | | | | | | |
| | 18.0 to 21.4 | 4.126 | 4.276 | 3.969 | 68.28 | 49.10 | 265536 | | | |
| 5-1/2 139.70 | 13.0 to 20.0 | 4.778 | 5.044 | 4.625 | 3.000 | 2.350 | 764435 | 235717 | 302814 | 168764 |
| | 19.35 to 29.76 | 121.36 | 128.12 | 117.48 | | | | | | |
| | 14.0 to 20.0 | 4.778 | 5.012 | 4.625 | 76.20 | 59.69 | 235912 | | 302814 | |
| | 20.83 to 29.78 | 121.36 | 127.31 | 117.48 | | | | | | |
| 7 177.80 | 23.0 to 32.0 | 6.094 | 6.366 | 4.500 | 3.250 | 2.390 | 235870 | 163876 | 258964 | 168529 |
| | 34.23 to 47.62 | 154.79 | 161.70 | 114.30 | | | | | | |
| | 29.0 to 35.0 | 6.004 | 6.184 | 5.813 | 82.55 | 60.71 | 235834 | | | |
| | 43.16 to 52.19 | 152.50 | 157.07 | 147.65 | | | | | | |
| | 23.0 to 32.0 | 6.094 | 6.366 | 5.938 | 4.000 | 2.990 | 238633 | 238654 | 277594 | 173354 |
| | 34.23 to 47.62 | 154.79 | 161.70 | 150.83 | | | | | | |
| | 29.0 to 35.0 | 6.004 | 6.184 | 5.813 | 101.60 | 75.95 | 254084 | | 711654 | 281028 |
| | 29.0 to 35.0 | 152.50 | 157.07 | 147.65 | | | | | | |
| 7-5/8 193.68 | 24.0 to 29.7 | 6.875 | 7.025 | 6.688 | 4.000 | 2.990 | 258958 | 238654 | 277595 | 715970 |
| | 35.72 to 44.20 | 174.63 | 178.44 | 169.88 | | | | | | |
| | 29.7 to 39.0 | 6.625 | 6.875 | 6.438 | 101.60 | 75.95 | 255643 | | | |
| | 44.20 to 58.04 | 168.28 | 174.63 | 163.53 | | | | | | |



| Casing | | | | Packer | | | | Accessories | | |
|-----------------|------------------------|------------------------|------------------------|------------------------------|----------------------|---|-------------------|--------------------|---|---|
| OD In. (mm) | Weight lb/ft (kg/m) | Minimum ID in. (mm) | Maximum ID in. (mm) | Gauge Ring OD in. (mm) | Sealbore in. (mm) | Minimum ID Through Seals in. (mm) | Product Number | Retrieving Tool | Modular Hydraulic Tool (MHT) Adapter Kit | Baker E-4 Wireline Adapter Kit |
| 9-5/8 244.48 | 40.0 to 47.0 | 8.681 | 8.835 | 8.440 | 4.000 | 2.990 | 818280 | 238654 | 729235 | 715970 |
| | 59.53 to 69.94 | 220.50 | 224.41 | 214.38 | | | | | | |
| | 47.0 to 53.5 | 8.535 | 8.681 | 8.319 | 101.60 | 75.95 | 727092 | 238654 | 729235 | 715970 |
| | 69.94 to 79.62 | 216.79 | 220.50 | 221.30 | | | | | | |
| | 47.0 to 53.5 | 8.535 | 8.681 | 8.281 | 4.750 | 3.830 | 723452 | 722749 | 280107 | 173988 |
| | 69.94 to 79.62 | 216.79 | 220.50 | 210.34 | | | | | | |
| | 40.0 to 47.0 | 8.681 | 8.835 | 8.440 | 6.000 | 4.875 | 2131116 | 171891 | - | 172058 |
| | 59.53 to 69.94 | 220.50 | 224.41 | 214.38 | | | | | | |
| | 47.0 to 53.5 | 8.535 | 8.681 | 8.319 | 152.40 | 123.83 | 1197311 | 171891 | - | 172058 |
| | 69.94 to 79.62 | 216.79 | 220.50 | 211.30 | | | | | | |

