### Slickline Retrievable Assembly

**Tubing Stop**
- **O.D. (in.):** 3.72, 4.50
- **LENGTH (ft.):** 1.57, 1.57

**Tubing Packoff**
- **O.D. (in.):** 3.72, 4.50
- **LENGTH (ft.):** 2.83, 2.88

**Standing Valve**
- **O.D. (in.):** 3.72, 4.50
- **LENGTH (ft.):** 1.32, 2.00

**Stinger**
- **O.D. (in.):** 3.72, 4.50
- **LENGTH (ft.):** 0.88, 1.00

**PBR**
- **O.D. (in.):** 3.72, 4.50
- **LENGTH (ft.):** 2.10, 3.00

**Pump & Intake (depending on application)**
- **O.D. (in. Typical):** 3.75, 4.50
- **LENGTH (ft.)¹,²:** varies, varies

**Seal (Protector) (depending on application)**
- **O.D. (in.):** 3.38 or 3.75
- **LENGTH (ft., Typical)¹:** 6.50, 6.50

**Permanent Magnet Motor (PMM)**
- **O.D. (in.):** 3.75, 4.50
- **Horsepower (see PMM section):** 130 to 400, 400 to 1,000
- **LENGTH (ft.)³:** HP dependent, HP dependent

**Gauge**
- **O.D. (in.):** 3.75, 4.50
- **LENGTH (ft.):** 2.50, 3.00

**Plug Arm Assembly**
- **O.D. (in.):** 3.75, 4.50
- **LENGTH (ft.):** 11.83, 12.50

**Motor Guide**
- **O.D. (in.):** 3.75, 4.50
- **LENGTH (ft.):** 0.50, 0.50
## Specifications - Retrievable System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Access375</th>
<th>Access450</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESP Size (nominal)</td>
<td>3.75”</td>
<td>4.50”</td>
</tr>
<tr>
<td>Conveyance Options</td>
<td>Slickline, Braided Line, Coiled Tubing, Tractor</td>
<td></td>
</tr>
<tr>
<td>Typical System Length(^1)</td>
<td>85 ft.</td>
<td>85 ft.</td>
</tr>
<tr>
<td>Typical System Weight(^1)</td>
<td>1,900 lbs.</td>
<td>3,300 lbs.</td>
</tr>
<tr>
<td>Typical Deployment Length(^2)</td>
<td>40 ft.</td>
<td>40 ft.</td>
</tr>
<tr>
<td>Typical Deployment Weight(^2)</td>
<td>1,000 lbs.</td>
<td>1,500 lbs.</td>
</tr>
</tbody>
</table>

## Environmental Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Access375</th>
<th>Access450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. winding operating Temp.</td>
<td>400 degF</td>
<td>400 degF</td>
</tr>
<tr>
<td>Max. work ambient temp.</td>
<td>350 degF</td>
<td>350 degF</td>
</tr>
<tr>
<td>Pressure</td>
<td>7,500 psi</td>
<td>7,500 psi</td>
</tr>
</tbody>
</table>

## Performance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Access375</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Max. Horsepower</td>
<td>400 HP</td>
<td>1,000 HP</td>
</tr>
<tr>
<td>Max. Flow(^3,4)</td>
<td>7,500 bbl/d</td>
<td>12,000 bbl/d (5.5” tbg.)</td>
</tr>
</tbody>
</table>

## Annular Connection Port (ACP)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Access375</th>
<th>Access450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Tubing Size</td>
<td>4.5”</td>
<td>5.5”</td>
</tr>
<tr>
<td>Min. Casing Size</td>
<td>7”</td>
<td>8.625” (8 5/8”)</td>
</tr>
<tr>
<td>Length</td>
<td>8.5 ft.</td>
<td>10 ft.</td>
</tr>
<tr>
<td>Max. 0.0.</td>
<td>5.85”</td>
<td>6.50”</td>
</tr>
<tr>
<td>Thru Bore Diameter</td>
<td>3.83”</td>
<td>4.62”</td>
</tr>
<tr>
<td>Burst Pressure w/Iso Sleeve(^6)</td>
<td>10,000 psi</td>
<td>10,000 psi</td>
</tr>
<tr>
<td>Collapse Pressure w/Iso Sleeve(^6)</td>
<td>6,000 psi</td>
<td>6,000 psi</td>
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</tbody>
</table>

## In-Line Connection Port (ICP)

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<tbody>
<tr>
<td>Min. Tubing Size</td>
<td>4.5”</td>
<td>5.5”</td>
</tr>
<tr>
<td>Min. Casing Size</td>
<td>9.625”</td>
<td>9.625” (9 5/8”)</td>
</tr>
<tr>
<td>Length</td>
<td>14 ft.</td>
<td>18 ft.</td>
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<tr>
<td>Max. 0.0.</td>
<td>7.63”</td>
<td>8.25”</td>
</tr>
<tr>
<td>Thru Bore Diameter</td>
<td>3.83”</td>
<td>4.62”</td>
</tr>
<tr>
<td>Burst Pressure w/Iso Sleeve(^6)</td>
<td>7,000 psi</td>
<td>10,000 psi</td>
</tr>
<tr>
<td>Collapse Pressure w/Iso Sleeve(^6)</td>
<td>7,000 psi</td>
<td>10,000 psi</td>
</tr>
</tbody>
</table>

### Notes:

1. Depends on well application
2. Excludes Running Tools (above length, estimated typical per run section)
3. Based on ESP Pump Design
4. When casing sizes permit, larger tubing can be run allowing larger OD pumps, hence flowrate.
   (Est. Max. range: 7,500 bbl/d w/ 4-12” tubing, 12,000 bbl/d w/ 5-1/2” tubing, 30,000 bbl/d w/ 7” tubing)
5. Based on 80ksi material, higher ratings available upon request. Higher rating upon request.
### AccessESP PMM Motor

<table>
<thead>
<tr>
<th>System / Size</th>
<th>Power</th>
<th>Length (ft.)</th>
<th>Weight (lbs.)</th>
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<tr>
<td><strong>Access375</strong></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>3.75 OD (in.)</td>
<td>130 HP</td>
<td>9.1</td>
<td>235.0</td>
<td>51.2</td>
<td>1,980.0</td>
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<tr>
<td></td>
<td>250 HP</td>
<td>16.4</td>
<td>424.0</td>
<td>84.0</td>
<td>3,400.0</td>
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<tr>
<td></td>
<td>400 HP</td>
<td>23.7</td>
<td>614.0</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
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<td><strong>Access450</strong></td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>4.5 OD (in.)</td>
<td>400 HP</td>
<td>16.4</td>
<td>611.0</td>
<td>47.2</td>
<td>2,200.0</td>
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<tr>
<td></td>
<td>600 HP</td>
<td>23.7</td>
<td>884.0</td>
<td>70.0</td>
<td>3,200.0</td>
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<tr>
<td></td>
<td>1,000 HP</td>
<td>38.75</td>
<td>1,445.0</td>
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### Conventional ESP Induction Motor

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<th>Weight (lbs.)</th>
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