Sliding Sleeves
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Profile</td>
<td>5</td>
</tr>
<tr>
<td>Sliding Sleeves at Evolution Oil Tools</td>
<td>6</td>
</tr>
<tr>
<td>Sliding Sleeve Infographic</td>
<td>7</td>
</tr>
<tr>
<td>Sliding Sleeve Specifications</td>
<td>7</td>
</tr>
<tr>
<td>Sliding Sleeve Technical Information</td>
<td>13</td>
</tr>
<tr>
<td>Locations</td>
<td>33</td>
</tr>
</tbody>
</table>
Knowledgeable personnel providing and developing quality products and timely solutions to the Oil & Gas Industry

Evolution Oil Tools is a group of people that were brought together in order to meet your completion and subsurface tool needs. We provide wholesale products to accommodate your completion / service requirements.

A portion of our product offering includes our own proprietary designs, patents and patent agreements to ensure that you are getting the required technology from the source. We can also offer Design and Engineering support to the product solutions provided to you.

Our group combined, offers you over 100 years of experience in the Oil & Gas Industry, with the majority of that experience being in the tool business. We can also offer servicing capabilities for our product lines.

Make Evolution your tool solutions provider for all of your completion and subsurface tool needs and take advantage of our experience.
In Flow Control applications, Sliding Sleeves are essential tools for allowing communication between the tubular and the annulus. This enables circulation and selective zone production in the oil or gas recovery operation.

Sliding Sleeves are set into either open or closed positions using standard wireline methods and the Evolution EB Shifting Tool. The tool comes in a variety of configurations based on the application requirements.

Generally, Evolution Sliding Sleeves are distinguished as being either using upward jarring or downward jarring to open the tool; by the types of O-rings and seals that are installed in the tool, and by the nipple profile used in the tool.

Evolution Oil Tools offers a complete line of Sliding Sleeve products to meet your needs.
Sliding Sleeves are down hole devices, normally screwed into the production tubing, enabling communication between tubing and casing.

Evolution Sliding Sleeves are typically made with 4130-4145 23Rc L-80, but other materials are available upon request.
## Sliding Sleeves

### SLFU / SLFA Sliding Sleeve

<table>
<thead>
<tr>
<th>SL</th>
<th>Evolution Oil Tools.</th>
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</thead>
<tbody>
<tr>
<td>F</td>
<td>Baker-style &quot;F&quot; Top No-Go Nipple Profile.</td>
</tr>
<tr>
<td>U / A</td>
<td>UP to open.</td>
</tr>
</tbody>
</table>

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Elastomer: Viton O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 375 ° F.
Shifting Profile/Tool: Otis-style B.
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

### SLFD Sliding Sleeve

<table>
<thead>
<tr>
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<tr>
<td>F</td>
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</tr>
</tbody>
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### NEFU / NEFA Sliding Sleeve

<table>
<thead>
<tr>
<th>NE</th>
<th>Non-Elastomeric</th>
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<tr>
<td>F</td>
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</tr>
<tr>
<td>U / A</td>
<td>UP to open.</td>
</tr>
</tbody>
</table>

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Seals: Non-Elastomeric O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 400 ° F.
Shifting Profile/Tool: Otis-style B.
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

### NEFD Sliding Sleeve

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</tbody>
</table>
## Sliding Sleeves

### SLXA Sliding Sleeve
- SL: Evolution Oil Tools.
- X: Otis-style "X" Selective Nipple Profile.
- A: UP to open.

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Elastomer: Viton O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 375 °F.
Shifting Profile/Tool: Otis-style B.
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

### SLXO Sliding Sleeve
- SL: Evolution Oil Tools.
- X: Otis-style "X" Selective Nipple Profile.
- O: DOWN to open.

### NEXA Sliding Sleeve
- NE: Non-Elastomeric
- X: Otis-style "X" Selective Nipple Profile.
- A: UP to open.

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Seals: Non-Elastomeric O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 400 °F.
Shifting Profile/Tool: Otis-style B.
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

### NEXO Sliding Sleeve
- NE: Non-Elastomeric
- X: Otis-style "X" Selective Nipple Profile.
- O: DOWN to open.
### Sliding Sleeves

<table>
<thead>
<tr>
<th>SLA Sliding Sleeve</th>
<th>SLO Sliding Sleeve</th>
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<td>*A UP to open.</td>
<td>*O DOWN to open.</td>
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*These Sliding Sleeves have no Nipple Profiles, they have an Minimum I.D. > tubing drift O.D. or equal to tubing I.D. Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)

Elastomer: Viton o-rings and Carbon/Teflon Vee Seals.  
Max Temperature Rating: 375 ° F.  
Shifting Profile/Tool: Otis-style B.  
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

<table>
<thead>
<tr>
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Seals: Non-Elastomeric O-rings and Carbon/Teflon Vee Seals.  
Max Temperature Rating: 400 ° F.  
Shifting Profile/Tool: Otis-style B.  
*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.
# Sliding Sleeves

<table>
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<tr>
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Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Elastomer: Viton O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 375 °F.
Shifting Profile/Tool: Otis-style B.
High Pressure Sliding Sleeve, up to 10,000 PSI working pressure.

<table>
<thead>
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<th>NERA Sliding Sleeve</th>
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</thead>
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<td></td>
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</tbody>
</table>

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)
Seals: Non-Elastomeric O-rings and Carbon/Teflon Vee Seals.
Max Temperature Rating: 400 °F.
Shifting Profile/Tool: Otis-style B.
High Pressure Sliding Sleeve, up to 10,000 PSI working pressure.
## Sliding Sleeves

**EL Sliding Sleeve**

<table>
<thead>
<tr>
<th>E</th>
<th>Evolution Oil Tools.</th>
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</thead>
<tbody>
<tr>
<td>L</td>
<td>Baker-style &quot;F&quot; Top No-Go Nipple Profile.</td>
</tr>
</tbody>
</table>

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)

Elastomer: Viton O-rings and 90 Duro Nitrile or HSN bonded seals and replaceable seals.

Max Temperature Rating: 250 ° F.

Shifting Profile/Tool:

- Baker-style D-2.
- Otis style B with POSITIVE non self-releasing keys. Shear to release.
- Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

**EZ Sliding Sleeve**

<table>
<thead>
<tr>
<th>E</th>
<th>Evolution Oil Tools.</th>
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</thead>
<tbody>
<tr>
<td>Z</td>
<td>UP to open.</td>
</tr>
</tbody>
</table>

*These Sliding Sleeves have no Nipple Profiles, they have a Minimum I.D. > tubing drift O.D. or equal to tubing I.D.

Standard Material (Flow Wet): 4140-4145 L-80. (Other materials available upon request.)

Elastomer: Viton O-rings and 90 Duro Nitrile or HSN bonded seals and replaceable seals.

Max Temperature Rating: 250 ° F.

Shifting Profile/Tool: Otis style B with POSITIVE non self-releasing keys. Shear to release.

*Standard Pressure Sliding Sleeve, Average 6,000 +/- PSI working pressure.

**EZD Sliding Sleeve**

<table>
<thead>
<tr>
<th>E</th>
<th>Evolution Oil Tools.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZD</td>
<td>DOWN to open.</td>
</tr>
</tbody>
</table>

*Otis* is a registered trademark of Halliburton Energy Services Inc.

*Baker* is a registered trademark of Baker Hughes Inc.

*Different Sizes of Sliding Sleeves have different Working Pressure Ratings, contact Evolution to confirm.*
SLFU Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Non-elastomeric O-rings
- Can be run in any location in the tubing string
- More than one can be used in the tubing string

Description
The Evolution Model SLFU Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses Viton O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLFU Sliding Sleeve has a Baker®-style ‘F’ Top No-Go Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLFU Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLFU Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.
SLFD Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Box-by-Pin configuration
- H₂S service ready
- Non-elastomeric O-rings
- Can be run in any location in the tubing string
- More than one can be used in the tubing string

Description
The Evolution Model SLFD Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses Viton O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLFD Sliding Sleeve has a Baker®-style ‘F’ Top No-Go Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLFD Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLFD Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Inconel 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Baker® is a registered trademark of Baker Hughes Inc.
**Applications**
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

**Features & Benefits**
- Non-elastomeric O-rings
- Can be run in any location in the tubing string
- More than one can be used in the tubing string

**Description**

The Evolution Model NEFU Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NEFU Sliding Sleeve has an F Landing Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The NEFU Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the NEFU Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900" up to 5 ½", in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.
NEFD Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Non-elastomeric O-rings
- Can be run in any location in the tubing string
- More than one can be used in the tubing string

Description
The Evolution Model NEFD Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NEFD Sliding Sleeve has an F Landing Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The NEFD Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the NEFD Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.
SLXA Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description
The Evolution Model SLXA Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses Viton O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLXA Sliding Sleeve has an Otis®-style ‘X’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLXA Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLXA Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.
SLXO Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description
The Evolution Model SLXO Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLXO Sliding Sleeve has an Otis®-style ‘X’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLXO Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLXO Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
NEXA Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description
The Evolution Model NEXA Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NEXA Sliding Sleeve has an Otis®-style ‘X’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The NEXA Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

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NEXO Sliding Sleeve

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Otis® is a registered trademark of Halliburton Energy Services Inc.
Applications

- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits

- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description

The **Evolution Model SLA Sliding Sleeve** is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device has replaceable upper and lower seals which are easy and inexpensive to replace. They can be of various elastomer types.

The SLA Sliding Sleeve has no profile in the upper sub nor seal bores in either the upper sub or lower sub. This allows greater ID clearance. However, it restricts the installation of various flow control devices, and should be used with careful consideration.

The Evolution Model EB Shifting Tool is used to shift the SLA Sliding Sleeve open and closed. The tool is designed so that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve.

It is available in tubing sizes from 1.900” up to 5 1/2”, in 4140 L-80 material, as well as premium steels such as 9Cr or 13 Cr.

The standard thread is EUE, but various premium threads may be machined into this tool as required.

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SLO Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description
The Evolution Model SLO Sliding Sleeve is a downhole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device has replaceable upper and lower seals which are easy and inexpensive to replace. They can be of various elastomer types.

The SLO Sliding Sleeve has no profile in the upper sub nor seal bores in either the upper sub or lower sub. This allows greater ID clearance. However, it restricts the installation of various flow control devices, and should be used with careful consideration.

The Evolution Model EB Shifting Tool is used to shift the SLO Sliding Sleeve open and closed. The tool is designed so that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve.

It is available in tubing sizes from 1.900" up to 5 1/2", in 4140 L-80 material, as well as premium steels such as 9Cr or 13 Cr.

The standard thread is EUE, but various premium threads may be machined into this tool as required.
NEA Sliding Sleeve

Applications

- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits

- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High temperature seals

Description

The Evolution Model NEA Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NEA Sliding Sleeve has no profile in the upper sub nor seal bores in either the upper sub or lower sub. This allows greater ID clearance. However, it restricts the installation of various flow control devices, and should be used with careful consideration.

The Evolution Model EB Shifting Tool is used to shift the NEA Sliding Sleeve open and closed. The tool is designed so that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve.

It is available in tubing sizes from 1.900” up to 5 1/2”, in 4140 L-80 material, as well as premium steels such as 9Cr or 13 Cr.

The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
NEO Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High temperature seals.

Description
The Evolution Model NEO Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NEO Sliding Sleeve has no profile in the upper sub nor seal bores in either the upper sub or lower sub. This allows greater ID clearance. However, it restricts the installation of various flow control devices, and should be used with careful consideration.

The Evolution Model EB Shifting Tool is used to shift the NEO Sliding Sleeve open and closed. The tool is designed so that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve.

It is available in tubing sizes from 1.900” up to 5 1/2”, in 4140 L-80 material, as well as premium steels such as 9Cr or 13 Cr.

The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High pressure applications

Description
The Evolution Model SLRA Sliding Sleeve is a high pressure down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses Viton O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLRA Sliding Sleeve has an Otis®-style ‘R’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLRA Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLRA Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
SLRA Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High pressure applications

Description
The Evolution Model SLRA Sliding Sleeve is a high pressure down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses Viton O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLRA Sliding Sleeve has an Otis®-style ‘R’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLRA Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLRA Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900" up to 5 ½", in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High pressure applications.

Description
The Evolution Model SLRO Sliding Sleeve is a high pressure down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses elastomeric O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The SLRO Sliding Sleeve has an Otis®-style ‘R’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The SLRO Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the SLRO Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
NERA Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High pressure applications up to 10,000 PSI

Description
The Evolution Model NERA Sliding Sleeve is a high pressure down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NERA Sliding Sleeve has an Otis®-style ‘R’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The NERA Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the NERA Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
NERO Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- High pressure applications up to 10,000 PSI

Description
The Evolution Model NERO Sliding Sleeve is a high pressure down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device contains non-elastomeric (Teflon® encapsulated Viton) O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The NERO Sliding Sleeve has an Otis®-style ‘R’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The NERO Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The EB Shifting Tool is used to shift the NERO Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900” up to 5 ½”, in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Otis® is a registered trademark of Halliburton Energy Services Inc.
EL Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.

Description
The Evolution Model EL Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses elastomeric O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The EL Sliding Sleeve has an Baker*-style ‘F’ Selective Nipple profile and a sealing bore in the upper sub which serves as a receptacle for other Flow Control devices such as blanking plugs and separation tools. The lower sub also contains a seal bore.

The EL Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The ED-2 Shifting Tool is used to shift the EL Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve. It is available in tubing sizes from 1.900" up to 5 ½", in 4140 L-80 material, as well as premium steels such as 9 Cr, 13 Cr and Incoloy 925. The standard thread is EUE, but various premium threads may be machined into this tool as required.

Baker® is a registered trademark of Baker Hughes Inc.
EZ Sliding Sleeve

Applications

- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits

- Pin by pin thread configuration.
- All sliding sleeves are H₂S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- No profile, economical design.

Description

The Evolution Model EZ Sliding Sleeve is a downhole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses elastomeric O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various Elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The EZ Sliding Sleeve does not have a landing nipple profile built in to the upper sub. This means the sliding sleeve can be used in cases where economy is a primary concern for the operator. It still has all the operational features and reliability of the premium sliding sleeves in the product line.

The EZ Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The Evolution EB Shifting Tool is used to shift the EZ Sliding Sleeve open and closed. The tool is designed to that normal wirline activities will not open or close the sleeve inadvertently. Upward jarring opens the Inner Sleeve and downward jarring closes the Inner Sleeve.

The standard thread is EUE, but various premium threads may be machined into this tool as required.
EZD Sliding Sleeve

Applications
- Displacing kill or completion fluid
- Allowing multiple zones to produce up one tubing string
- Selective testing of individual zones
- Selective stimulation of individual zones
- Circulating to kill the well
- Gas lifting the well
- Landing a blanking plug in the profile in the upper sub to shut in the well, test the tubing, or test the sleeve itself
- Circulating inhibitors or methanol

Features & Benefits
- Pin by pin thread configuration.
- All sliding sleeves are H2S service ready.
- O-ring and Vee seal sealing mechanism
- Do not wrench on the outer housing.
- No profile, economical design.

Description
The Evolution Model EZD Sliding Sleeve is a down hole device, normally screwed into the production tubing, that allows communication between the tubing and the casing.

The device uses elastomeric O-rings as well as replaceable upper and lower easy-to-replace Vee seals. The Vee seals can be of various Elastomer types. The standard seal material is a carbon graphite/Teflon® composition.

The EZD Sliding Sleeve does not have a landing nipple profile built in to the upper sub. This means the sliding sleeve can be used in cases where economy is a primary concern for the operator. It still has all the operational features and reliability of the premium sliding sleeves in the product line.

The EZD Sliding Sleeve can be installed at any point in the tubing string. More than one can be installed without any loss of function. When multiple sliding sleeves are in place, they can be selectively opened and closed in the tubing string.

The Evolution EB Shifting Tool is used to shift the EZD Sliding Sleeve open and closed. The tool is designed to that normal wireline activities will not open or close the sleeve inadvertently. Downward jarring opens the Inner Sleeve and upward jarring closes the Inner Sleeve.

The standard thread is EUE, but various premium threads may be machined into this tool as required.