Collet Holder Kits
Instructions for Use

PLEASE USE THIS INSTRUCTION SHEET IN CONJUNCTION WITH SECURE-GRIP AND VALVE CHANGE OUT MANUALS

Specialist kits have been developed to enable the Equalizer Secure Grip Hydraulic Flange Spreaders and Valve Change Out Tools to be operated in situations where the standard tool may not fit.

It shortens/lengthens the collet holders, effectively opening/closing up the tool so that it engages the flanges on either side of the valve or spacer.

For example, on larger flange-joints or where clearance around the flange is restricted.

GENERAL ARRANGEMENTS AND PARTS LISTS

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Collet Holder</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Drive Cone</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Collet</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Collet Holder</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Drive Cone</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Collet Plug</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Drive Cone</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Collet Plug</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Drive Tube</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Washer</td>
<td>2</td>
</tr>
</tbody>
</table>
REPLACEMENT

- Please refer to the following notes for instruction on how to remove the standard drive cone/tube and collet plug/holder from the spreading plug assembly. These are then replaced with the drive cone/tube and collet plug/holder from the new kit along with the appropriate collet.

STEP 1. REMOVING EXISTING COLLET HOLDERS

SG4TM/SG6TM/SG11TM/SG13TE/SG15TE:
1. Place the tool on its side on a work bench or flat surface. Unscrew and remove the drive nut.
2. Pull the collet spring plunger ring out, remove the standard collet head assembly from the tool, and place back into the tool case.

STEP 2. INSTALLING COLLET HOLDER KIT

SG4TM/SG6TM
1. Insert the new collet head assembly into the tool and rotate the assembly until the spring plunger engages in the collet holder slot. Replace the drive nut (hand tight).
2. Now follow the operation instructions as per the operation manual supplied with the tool.

SG11TM:
1. Slide the new drive cone off the new collet holder. Select the appropriate collet for the flange joint to be separated and slide it on to the new collet holder. Slide the new drive cone on to the new collet holder, ensure the conical face of the drive cone is in contact with the collet.
2. Insert the new collet head assembly into the tool and rotate the assembly until the spring plunger engages in the collet holder slot. Replace the drive nut (hand tight).
3. Repeat the procedure for the second collet head assembly
4. Now follow the operation instructions as per the operation manual supplied with the tool.

SG13TE/SG15TE:
1. Slide the drive tube off the collet holder. Select the appropriate collet for the flange joint to be separated and slide it on to the new collet holder. Slide the drive cone and new drive tube on to the short collet holder, ensure the conical face of the drive cone is in contact with the collet.
2. Insert the new collet head assembly into the tool and rotate the assembly until the spring plunger engages in the collet holder slot. Replace the drive nut (hand tight).
3. Repeat the procedure for the second collet head assembly
4. Now follow the operation instructions as per the operation manual supplied with the tool.
**STEP 1. REMOVING EXISTING COLLET HOLDERS**

**SG18TE:**
1. Place the spreading plug assembly on a work bench or flat surface.
2. Remove the drive nut and place the spreading plug assembly back in the tool case.

**SG25TE:**
1. Place the spreading plug assembly on a work bench or flat surface.
2. Remove the drive nut and slide the drive tube and drive cone off the spreading plug assembly. Slide the drive tube back on to the collet plug and place them into the tool case.

**STEP 2. INSTALLING COLLET HOLDER KIT**

**SG18TE:**
1. Slide the new drive cone off the new collet plug. Select the appropriate collet for the flange joint to be separated and slide it on to the new collet plug. Slide the new drive cone on to the new collet plug, ensure the conical face of the drive cone is in contact with the collet.
2. Replace the drive nut (hand tight).
3. Now follow the operation instructions as per the operation manual supplied with the tool.

**SG25TE:**
1. Slide the new drive tube off the new collet plug. Select the appropriate collet for the flange joint to be separated and slide it on to the new collet plug. Slide the existing drive cone and new drive tube on to the collet plug, ensure the conical face of the drive cone is in contact with the collet.
2. Replace the drive nut (hand tight).
3. Now follow the operation instructions as per the operation manual supplied with the tool.

EQUALIZER INTERNATIONAL LTD
Equalizer House
Claymore Drive
AB23 8GD Aberdeen – Scotland, UK
Tel: +44 (0) 1224 701570
Website: www.equalizerinternational.com