1. TONG MUST BE SECURED TO SHIPPING STAND SS3500-01 AT ALL TIMES WHILE NOT IN USE.

**TONG SPECIFICATIONS**

- **MAX TORQUE (LOW SPEED)** 6,500 ft-lb, 8,800 N-m
- **MAX TORQUE (HIGH SPEED)** 3,600 ft-lb, 4,880 N-m
- **LOW SPEED** 26 RPM
- **HIGH SPEED** 52 RPM
- **TONG HANDLE LENGTH** 24 5/8", 62.5 cm
- **BACKUP HANDLE LENGTH** 21", 53.3 cm
- **MAX. PRESSURE** 2,500 psi, 172 bar
- **MAX. FLOW RATE** 35 GPM, 132 LPM

**NOTES:**

1. DIMENSIONS ARE IN INCHES
2. TOLERANCES:
   - ANGULAR: 1/16
   - FRACTIONAL: 0.02
   - TWO PLACE DECIMAL: 0.005
   - THREE PLACE DECIMAL: 0.0005
3. IDENTIFY P/N & MATL PO. USING 1/8 TO 1/4 ETCHED LETTERS; DENOTED BY "X"
4. REMOVE BURRS & SHARP EDGES WITH 1/64X45
5. MACHINED FILLET RADII SHALL BE 1/32
6. FINAL SURFACE ROUGHNESS AVG. (Ra) SHALL BE ≤ 250 MICROINCHES
7. DENOTES CRITICAL DIMENSION; 100% INSPECTION REQUIRED
8. A TRIANGLE DENOTES A REVISION
9. INTERPRET DRAWING PER ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED:

**REVISED**

- **A** N/A INITIAL RELEASE
- **B** 15-0234 REMOVE (1) 1002981 BSP 8/1/2015
- **C** 16-0134 ADD TORQUE CHART AND TONG SPECS BSP 5/24/2016

**ITEMS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>P/N</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>CLE3500</td>
<td>ASSEMBLY, TONG, 3500-6.5K</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>MK3500-04</td>
<td>ASSEMBLY, MOUNTING KIT</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>VP3500-320SAE</td>
<td>ASSEMBLY, VALVE PACKAGE, DVG20</td>
</tr>
</tbody>
</table>

**3 1/2" - 6.5K TONG JAW SERIES**

**MAX TORQUE CAPACITY (FT-LB) @ 2,500 PSI**

<table>
<thead>
<tr>
<th>PIPE DIAMETER</th>
<th>GRITFACE DIES</th>
<th>STEEL TOOTH DIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/2&quot;</td>
<td>6,500</td>
<td>6,500</td>
</tr>
<tr>
<td>3 1/2&quot; - 1.660&quot; *</td>
<td>3,200 (LF ROLLER)</td>
<td>3,200 (LF ROLLER)</td>
</tr>
</tbody>
</table>

* IT IS ACCEPTABLE TO USE LOW FRICTION JAWS WITH 3 1/2" TUBULARS, AS LONG AS THE TORQUE IS LIMITED TO 3,200 FT. LBS.