**TONG SPECIFICATIONS**

- **MAX TORQUE (FT LBS/NM)**: 100,000 / 135,580
- **TONG ARM LENGTH (INCH/CM)**: 49.6 / 126.0
- **BACKUP ARM LENGTH (INCH/CM)**: 38.2 / 97.0
- **MASS (LBS/KG)**: 6,800 / 3,084
- **TORQUE (FT LBS/NM, ESTIMATED)**
  - HI/HALF: 9,200 / 12,473
  - HI/FULL: 19,600 / 26,570
  - LOW/HALF: 50,100 / 67,925
  - LOW/FULL: 100,000 / 135,580
- **SPEED (RPM, ESTIMATED)**
  - AT FLOW RATE (GPM/LPM)
    - HI/HALF: 27.5
    - HI/FULL: 14
    - LOW/HALF: 5
    - LOW/FULL: 2.5

**REVISIONS**

- **REV**
  - B 15-0263: REPLACE MK14000-04 W/ MK14000-06
  - M.BUDDEN: 12/28/2015
  - C 16-0135: REVISED HANDLE LENGTH CALLOUT IN CHART; REVISED TORQUE CAPACITY CHART; DELETED SHEET 2
  - - N/A: REMOVED TABLE
  - R. HENRY: 1/19/2018

**TONG AND BACKUP MAX TORQUE CAPACITY IN FT-LBS @ 3000 PSI**

<table>
<thead>
<tr>
<th>PIPE DIAMETER</th>
<th>DOVETAIL DIES</th>
<th>GRITFACE DIES</th>
<th>STEEL DIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>15&quot;</td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>12 5/8</td>
<td>85,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 3/8</td>
<td>98,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 4/8</td>
<td>40,000 (LF ROLLER)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 5/8</td>
<td>85,000</td>
<td></td>
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</tr>
<tr>
<td>7 9/16</td>
<td>90,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REMARKS**

- DIMENSIONS ARE IN INCHES
- TOLERANCES:
  - ANGULAR TOLERANCES
  - FRACTIONAL TOLERANCES
  - TWO PLACE DECIMAL TOLERANCES
  - THREE PLACE DECIMAL TOLERANCES
- IDENTIFY P/N & MATL PO. USING 1/8 TO 1/4 ETCHED LETTERS; DENOTED BY "X"
- REMOVE BURRS & SHARP EDGES WITH 1/64x45 MAX
- MACHINED FILLET RADII SHALL BE 1/32
- FINAL SURFACE ROUGHNESS AVG. (Ra) SHALL BE ≤ 250 MICROINCHES
- DENOTES CRITICAL DIMENSION; 100% INSPECTION REQUIRED
- A TRIANGLE DENOTES A REVISION
- INTERPRET DRAWING PER ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED

**APPENDIX**

- ASSEMBLY, TONG, 14000-100K X 15000 L/J BU, COMPRESSION
- ASSEMBLY, VALVE PACKAGE, 3 SECTION, SAE

**REPRESENTATIVE STATEMENT**

- RELEASED FOR PRODUCTION

**MATERIAL**

- N/A

**WEIGHT**

- 6831 LBS

**SHEET 1 OF 1**