## API Casing Dimensions & Bit Clearance Data

<table>
<thead>
<tr>
<th>Size OD</th>
<th>Weight Per Foot Nominal</th>
<th>Dimensions</th>
<th>Bit Size and Diameter Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Wall Nominal ID</td>
<td>Coupling OD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inches</td>
<td>Inches</td>
</tr>
<tr>
<td>4½</td>
<td></td>
<td>9.50</td>
<td>0.205</td>
</tr>
<tr>
<td>11.60</td>
<td></td>
<td>11.50</td>
<td>0.290</td>
</tr>
<tr>
<td>13.50</td>
<td></td>
<td>13.50</td>
<td>0.337</td>
</tr>
<tr>
<td>15.10</td>
<td></td>
<td>11.50</td>
<td>0.220</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>13.00</td>
<td>0.253</td>
</tr>
<tr>
<td>15.00</td>
<td></td>
<td>15.00</td>
<td>0.296</td>
</tr>
<tr>
<td>18.00</td>
<td></td>
<td>18.00</td>
<td>0.362</td>
</tr>
<tr>
<td></td>
<td></td>
<td>13.00</td>
<td>0.228</td>
</tr>
<tr>
<td>14.00</td>
<td></td>
<td>14.00</td>
<td>0.244</td>
</tr>
<tr>
<td>5½</td>
<td></td>
<td>15.50</td>
<td>0.275</td>
</tr>
<tr>
<td>17.00</td>
<td></td>
<td>17.00</td>
<td>0.304</td>
</tr>
<tr>
<td>20.00</td>
<td></td>
<td>20.00</td>
<td>0.361</td>
</tr>
<tr>
<td>23.00</td>
<td></td>
<td>23.00</td>
<td>0.415</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>15.00</td>
<td>0.238</td>
</tr>
<tr>
<td>18.00</td>
<td></td>
<td>18.00</td>
<td>0.288</td>
</tr>
<tr>
<td>20.00</td>
<td></td>
<td>20.00</td>
<td>0.324</td>
</tr>
<tr>
<td>23.00</td>
<td></td>
<td>23.00</td>
<td>0.380</td>
</tr>
<tr>
<td>26.00</td>
<td></td>
<td>26.00</td>
<td>0.434</td>
</tr>
<tr>
<td>6 5/8</td>
<td></td>
<td>17.00</td>
<td>0.245</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20.00</td>
<td>0.288</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24.00</td>
<td>0.352</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28.00</td>
<td>0.417</td>
</tr>
<tr>
<td></td>
<td></td>
<td>32.00</td>
<td>0.475</td>
</tr>
<tr>
<td>Size OD</td>
<td>Weight Per Foot Nominal</td>
<td>Wall Nominal ID</td>
<td>Coupling OD</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>7</td>
<td>17.00</td>
<td>6.538</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>20.00</td>
<td>6.456</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>23.00</td>
<td>6.366</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>26.00</td>
<td>6.276</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>29.00</td>
<td>6.184</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>32.00</td>
<td>6.094</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>35.00</td>
<td>6.004</td>
<td>7.656</td>
</tr>
<tr>
<td></td>
<td>38.00</td>
<td>5.920</td>
<td>7.656</td>
</tr>
<tr>
<td>7 5/8</td>
<td>20.00</td>
<td>4.125</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>24.00</td>
<td>7.025</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>26.40</td>
<td>6.969</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>29.70</td>
<td>6.875</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>33.70</td>
<td>6.765</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>39.00</td>
<td>6.625</td>
<td>8.500</td>
</tr>
<tr>
<td></td>
<td>24.00</td>
<td>8.097</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>28.00</td>
<td>8.017</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>32.00</td>
<td>7.921</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>36.00</td>
<td>7.825</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>40.00</td>
<td>7.725</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>44.00</td>
<td>7.625</td>
<td>9.625</td>
</tr>
<tr>
<td></td>
<td>49.00</td>
<td>7.511</td>
<td>9.625</td>
</tr>
<tr>
<td>8 5/8</td>
<td>29.30</td>
<td>9.063</td>
<td>10.635</td>
</tr>
<tr>
<td></td>
<td>32.30</td>
<td>9.001</td>
<td>10.625</td>
</tr>
<tr>
<td></td>
<td>36.00</td>
<td>8.921</td>
<td>10.625</td>
</tr>
<tr>
<td></td>
<td>40.00</td>
<td>8.835</td>
<td>10.625</td>
</tr>
<tr>
<td></td>
<td>43.50</td>
<td>8.755</td>
<td>10.625</td>
</tr>
<tr>
<td></td>
<td>47.00</td>
<td>8.681</td>
<td>10.625</td>
</tr>
<tr>
<td></td>
<td>53.50</td>
<td>8.535</td>
<td>10.625</td>
</tr>
</tbody>
</table>

http://www.cesmatrockbits.com/charts/api.html
### API Casing Dimensions & Bit Clearance Data

**10 3/4**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
<tbody>
<tr>
<td>51.00</td>
<td>0.450</td>
<td>9.850</td>
<td>11.750</td>
<td>9.694</td>
<td>9 5/8</td>
<td>9.625</td>
</tr>
<tr>
<td>55.50</td>
<td>0.495</td>
<td>9.760</td>
<td>11.750</td>
<td>6.604</td>
<td>9</td>
<td>9.000</td>
</tr>
<tr>
<td>60.00</td>
<td>0.545</td>
<td>9.660</td>
<td>11.750</td>
<td>9.504</td>
<td>9</td>
<td>9.000</td>
</tr>
<tr>
<td>65.70</td>
<td>0.595</td>
<td>9.560</td>
<td>11.750</td>
<td>9.404</td>
<td>9</td>
<td>9.000</td>
</tr>
</tbody>
</table>

**11 3/4**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.00</td>
<td>0.300</td>
<td>11.150</td>
<td>12.750</td>
<td>10.994</td>
<td>10 5/8</td>
<td>10.625</td>
</tr>
<tr>
<td>42.00</td>
<td>0.333</td>
<td>11.084</td>
<td>12.750</td>
<td>10.828</td>
<td>10 5/8</td>
<td>10.625</td>
</tr>
<tr>
<td>47.00</td>
<td>0.375</td>
<td>11.000</td>
<td>12.750</td>
<td>10.644</td>
<td>10 5/8</td>
<td>10.625</td>
</tr>
<tr>
<td>54.00</td>
<td>0.435</td>
<td>10.880</td>
<td>12.750</td>
<td>10.724</td>
<td>10 5/8</td>
<td>10.625</td>
</tr>
<tr>
<td>60.00</td>
<td>0.489</td>
<td>10.772</td>
<td>12.750</td>
<td>10.616</td>
<td>9 7/8</td>
<td>9.875</td>
</tr>
</tbody>
</table>

**13 3/8**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.00</td>
<td>0.330</td>
<td>12.715</td>
<td>14.375</td>
<td>12.559</td>
<td>12 1/4</td>
<td>12.250</td>
</tr>
<tr>
<td>54.50</td>
<td>0.380</td>
<td>12.615</td>
<td>14.375</td>
<td>12.459</td>
<td>12 1/4</td>
<td>12.250</td>
</tr>
<tr>
<td>61.00</td>
<td>0.430</td>
<td>12.515</td>
<td>14.375</td>
<td>12.359</td>
<td>12 1/4</td>
<td>12.250</td>
</tr>
<tr>
<td>68.00</td>
<td>0.480</td>
<td>12.415</td>
<td>14.375</td>
<td>12.259</td>
<td>12 1/4</td>
<td>12.250</td>
</tr>
<tr>
<td>72.00</td>
<td>0.514</td>
<td>12.347</td>
<td>14.375</td>
<td>12.171</td>
<td>12</td>
<td>12.000</td>
</tr>
</tbody>
</table>

**16**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.00</td>
<td>0.312</td>
<td>15.375</td>
<td>17.000</td>
<td>15.188</td>
<td>15</td>
<td>15.000</td>
</tr>
<tr>
<td>65.00</td>
<td>0.375</td>
<td>15.250</td>
<td>17.000</td>
<td>15.062</td>
<td>15</td>
<td>15.000</td>
</tr>
<tr>
<td>75.00</td>
<td>0.438</td>
<td>15.125</td>
<td>17.000</td>
<td>14.938</td>
<td>14 3/4</td>
<td>14.750</td>
</tr>
<tr>
<td>84.00</td>
<td>0.495</td>
<td>15.010</td>
<td>17.000</td>
<td>14.823</td>
<td>14 3/4</td>
<td>14.750</td>
</tr>
</tbody>
</table>

**18 5/8**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
<tbody>
<tr>
<td>87.50</td>
<td>0.435</td>
<td>17.755</td>
<td>20.000</td>
<td>17.568</td>
<td>17 1/2</td>
<td>17.500</td>
</tr>
<tr>
<td>94.00</td>
<td>0.438</td>
<td>19.124</td>
<td>21.000</td>
<td>18.936</td>
<td>17 1/2</td>
<td>17.500</td>
</tr>
</tbody>
</table>

**20**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>OD</th>
<th>ID WT</th>
<th>OD WT</th>
<th>ID R</th>
<th>OD R</th>
</tr>
</thead>
</table>

**NOTE:** Above information for API casing. For other casing data, refer to Toolpushers Manual or specific manufacturer's specifications. For metric equivalents (millimeters), multiply the "inches" by 25.4