Technical Specifications

Modular Take-Off Boxes are designed for free-flowing materials and provide durable construction in a simple modular design. The MTO Series take-off boxes feature stainless steel construction with lightweight aluminum tube assemblies. The versatile modular design is compatible with a wide range of applications and allows for easy assembly and cleanout.

MTO take-off boxes are available in single or multiple lines with styles including complete clean-out type with tapered bottom, or box type, which provides various material line take-off configurations. All compartments have adjustable tubes for air/material balancing.

### Features

**Standard Features**
- Stainless steel construction
- Aluminum take off tubes
- Multiple tubes per box
- Air/material balancing adjustment
- Material view port on body styles A, B, and C
- Available sizes:
  - 16-1/4” (406mm) square flange with up to three take off tubes
  - 10” (254mm) square flange with up to two take off stubs
  - 7” (178mm) square flange with one take off tube
- Maximum three (3) box stack-up allowed
- Can be integrated in any vacuum conveying system

**Optional Features**
- Material clean-out gate
- Blank plate
- Adapter plate to mate to 7” x 7” or 9” x 9” square flange drying hoppers
- Take-off tubes:
  - 1.5”
  - 2.0”
  - 2.5”
  - 3.0”
  - 3.5”
  - 4.0”

**Application Notes**
- Check available clearance below bin mounting flange
- Pick correct box type
- Do not mix tube sizes without consulting the factory first
- Use MDT Dual tube modular take-off boxes if you are conveying hard-to-flow materials, such as powder or conveying free-flowing pelletized materials over 200 equivalent feet
- Maximum three (3) box stack-up allowed
### Specifications

<table>
<thead>
<tr>
<th>Style</th>
<th>Square Flange Size in. (mm)</th>
<th>Height in. (mm)</th>
<th>Bolt Pattern</th>
<th>Number of Tubes per MTO Box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Top</td>
<td>1.5”</td>
</tr>
<tr>
<td>A</td>
<td>16 (406)</td>
<td>6 (152)</td>
<td>16 holes</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>16, 10 (406, 254)</td>
<td>8 (203)</td>
<td>12 holes</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>10 (254)</td>
<td>6 (152)</td>
<td>12 holes</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>10, 7 (254, 178)</td>
<td>5.5 (140)</td>
<td>8 holes</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>7, 4.5 (178, 114)</td>
<td>4.5 (114)</td>
<td>8 holes</td>
<td>1</td>
</tr>
</tbody>
</table>

### Product Diagrams

- **Style A**
- **Style B**
- **Style C**
- **Style D**
- **Style E**