Square and Rectangular Ceiling Diffusers
Steel • Louvered Face • High Capacity
Model: MTDC • Square, Rectangle or Round Neck

□ Border Type 1 (Surface Mount) Square or Rectangular Neck

□ Border Type 1 (Surface Mount) Round Neck

□ Border Type 2 (Snap-In)

□ Border Type 3 (Lay-In)

□ Border Type 4 (Spline)

For Dimensions “A” see table on next page.

Dimensions are in millimeters. (Please see reverse side).
Border Types, Dimensions (Continued)

- **Border Type 5 (Dropped Face)**

- **Border Type 6 (Beveled Drop Face)**

*Note:* Standard diffuser is 64 mm deep. Optional 102 mm deep diffuser is available.

Available Duct Sizes, Square and Rectangular Necks

<table>
<thead>
<tr>
<th>Duct Size A</th>
<th>Minimum Duct Size A</th>
<th>Maximum Duct Size A</th>
</tr>
</thead>
<tbody>
<tr>
<td>152 x 152</td>
<td>1219 x 1219</td>
<td></td>
</tr>
</tbody>
</table>

*Note:* Duct sizes are available in 76 mm increments only. Maximum duct size for border 5 is 914 x 914.

Available Duct Sizes, Round Necks

<table>
<thead>
<tr>
<th>Duct Size A</th>
<th>Minimum Duct Size A</th>
<th>Available Rnd. Duct Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>152 x 152</td>
<td>152</td>
<td>152, 203</td>
</tr>
<tr>
<td>229 x 229</td>
<td>152, 203</td>
<td></td>
</tr>
<tr>
<td>305 x 305</td>
<td>203, 254, 305</td>
<td></td>
</tr>
<tr>
<td>381 x 381</td>
<td>305, 356</td>
<td></td>
</tr>
<tr>
<td>457 x 457</td>
<td>305, 356, 406</td>
<td></td>
</tr>
</tbody>
</table>

*Note:* Round duct sizes are available only in sizes shown.

† See Page 3
**Accessories (Optional) for Round Neck**

- **Model MAG-100 Radial Sliding Blade Damper**
  - Mounts Above Neck
  - Dimension "A" in mm, for Dampers Shown as Above

- **Model MD-100 Radial Sliding Blade Damper**
  - Mounts on Neck

- **Model MD-75 Opposed Blade Damper**
  - Mounts on Neck

- **Model MAG-85 Butterfly Damper**
  - Mounts Above Neck

- **Model MAG-65 Combination Damper and Equalizing Grid**
  - Mounts Above Neck

- **Model MAG-75 Opposed Blade Damper**
  - Mounts on Neck

**Notes**

- Model MAG-100 damper is available in duct sizes 152 thru 356 mm only.
- Model MD-75 damper is available in duct sizes 152 thru 305 mm only.
- Model MAG-65 damper is available in duct sizes 152-305 and 356-406 mm.

**Dimension “A” in mm, for Dampers Shown as Above**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Nominal Round Duct Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>152</td>
</tr>
<tr>
<td>MAG-100</td>
<td></td>
</tr>
<tr>
<td>MD-100</td>
<td></td>
</tr>
<tr>
<td>MD-75</td>
<td>60</td>
</tr>
<tr>
<td>MAG-85</td>
<td>64</td>
</tr>
<tr>
<td>MAG-65</td>
<td>86</td>
</tr>
<tr>
<td>MAG-75</td>
<td>108</td>
</tr>
</tbody>
</table>

**Notes**

- Model MAG-100 and MD-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance "A" is dimensioned.
- Removable diffuser core available. Remove diffuser core (See back page) for access.
# Accessories (Optional) for Rectangular Neck

- **Model MAG-95 Opposed Blade Damper**
- **Model MEG Equalizing Grid**

### General Description
- **TITUS Model MTDC** is a high capacity ceiling diffuser. Because it maintains an unbroken horizontal flow pattern from maximum $M_{sec}$ down to minimum, it is an excellent choice for variable air volume application.
- Core is removable from the face of the diffuser.

### Optional Patterns

<table>
<thead>
<tr>
<th>1 Way</th>
<th>2 Way</th>
<th>2 Way Corner</th>
<th>3 Way</th>
<th>4 Way</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ S1 Square</td>
<td>□ A1</td>
<td>□ B1</td>
<td>□ A2</td>
<td>□ S2 Square</td>
</tr>
</tbody>
</table>

**Notes:**
- Dimensions X and Y shown here are proportions of available rectangular duct sizes. Duct sizes are available in 76 mm increments.
- Dimension X is always the longer dimension for each core option.

### Standard Finish:
#26 White

### Other Accessories (Optional)
- **Model MTRV Throw Reducing Vanes**
- **Model MSR Square-to-Round Transition**

### Removing Center Core
1. Remove shipping clips.
2. Push core sideways against spring.
3. Hold core securely and allow to drop down.

### Material
- Material is heavy gauge steel.

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**Accessories (Optional) for Rectangular Neck**

<table>
<thead>
<tr>
<th>38</th>
<th>44</th>
</tr>
</thead>
</table>

**Optional Patterns**

- **MAG-95 Mounts on Neck**
- **MEG Mounts in Duct**

**Dimensions:**
- All dimensions are in millimeters.

**Submittal MD-TDC 2-28-13**

**Note:** This submittal is meant to demonstrate general dimensions of this product. The drawing on this submittal is not to scale. TITUS reserves the right to make changes without written notice.

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