LIGHTNING DIVERTER
SPECIFICATIONS

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Email us - info@wglightning.com
BUTTON & TERMINATION TYPES: THREE STYLES TO CHOOSE

BUTTON TYPES

We offer three button types for aerospace applications:

- **SMALL ROUND (SR)**
  - 0.060” Dia.

- **LARGE ROUND (LR)**
  - 0.125” Dia.

- **OVAL (OV)**
  - 0.200” x 0.060”

TERMINATION TYPES

The following terminations are available for any button type:

- **EDGE CUT (EDC)**
- **14D DIMPLED WASHER**
- **10D DIMPLED WASHER**
DIVERTER CROSS-SECTION
AND FEATURES

Weather Guard Lightning Tech is a certified ISO9001:2015 & AS9100D company, adhering to the strictest quality assurance standards.

Diverter Features

• Substrate (strip) thickness: 10 mils
• Metal Button thickness: 8 mils
• Gold-plated metal buttons
• Rivets bond buttons to strip
• Factory-applied white paint
• 3M VHB adhesive backing (optional)

Cross Section of a StrikeTape Diverter

Reinforced Substrate
Metal Buttons
Paint
Plated Through-holes
Rivet Heads
3M VHB Adhesive

10 mils
8 mils
8 mils

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TERMINATION SPECIFICATIONS

DIMPLED WASHER DRAWINGS

10D & 14D DIMPLED WASHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Washer Type</th>
<th>Material</th>
<th>Bolt Size</th>
<th>ØA ±0.30</th>
<th>ØD ±0.020</th>
<th>ØC ±0.010</th>
<th>(H)</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD10L (10D)</td>
<td>Clad Aluminum 2024</td>
<td>10</td>
<td>0.192</td>
<td>0.625</td>
<td>0.385</td>
<td>0.099</td>
<td>0.016</td>
</tr>
<tr>
<td>DD416L (14D)</td>
<td>Clad Aluminum 2024</td>
<td>1/4</td>
<td>0.252</td>
<td>0.750</td>
<td>0.507</td>
<td>0.125</td>
<td>0.016</td>
</tr>
</tbody>
</table>
STRIKETAPE DIMENSIONS

TOP AND SIDE VIEW DRAWINGS

Top View

Top Side Buttons

Plastic Substrate

Rivet Heads

View A-A

STRIKETAPE DIVERTER PART SPECIFICATIONS

<table>
<thead>
<tr>
<th>Diverter Type</th>
<th>Substrate Width</th>
<th>Top Side Button Size</th>
<th>Button Thickness</th>
<th>Substrate Thickness</th>
<th>Overall Thickness</th>
<th>Diverter Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Round (LR)</td>
<td>0.40” (10mm)</td>
<td>0.125” (3.17mm) Dia.</td>
<td>0.008” (0.2mm)</td>
<td>0.010” (0.25mm)</td>
<td>0.026” (0.66mm)</td>
<td>0.13oz/ft (12.21g/m)</td>
</tr>
<tr>
<td>Small Round (SR)</td>
<td>0.40” (10mm)</td>
<td>0.060” (1.52mm) Dia.</td>
<td>0.008” (0.2mm)</td>
<td>0.010” (0.25mm)</td>
<td>0.026” (0.66mm)</td>
<td>0.12oz/ft (11.02 g/m)</td>
</tr>
<tr>
<td>Oval (OV)</td>
<td>0.40” (10mm)</td>
<td>0.2”x0.6” (5.08x1.52mm)</td>
<td>0.008” (0.2mm)</td>
<td>0.010” (0.25mm)</td>
<td>0.026” (0.66mm)</td>
<td>0.12 oz/ft (11.02 g/m)</td>
</tr>
</tbody>
</table>

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### STRIKE TAPE PART NUMBERS

<table>
<thead>
<tr>
<th>Diverter Type</th>
<th>Part Code</th>
<th>Adhesive Tape</th>
<th>Button Style</th>
<th>Termination</th>
<th>Paint</th>
<th>Length* (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Round (LR)</td>
<td>100-100620</td>
<td>1 = Yes 0 = No</td>
<td>LR</td>
<td>EDG, 10D, 14D</td>
<td>NC</td>
<td>Up to 450</td>
</tr>
<tr>
<td>Small Round (SR)</td>
<td>100-100620</td>
<td>1 = Yes 0 = No</td>
<td>SR</td>
<td>EDG, 10D, 14D</td>
<td>NC</td>
<td>Up to 450</td>
</tr>
<tr>
<td>Oval (OV)</td>
<td>100-100620</td>
<td>1 = Yes 0 = No</td>
<td>OV</td>
<td>EDG, 10D, 14D</td>
<td>NC</td>
<td>Up to 450</td>
</tr>
</tbody>
</table>

*Length is expressed in inches; final digit is a decimal.

**PART # KEY: 100-100620-(Tape)-(Button)-(Termination)-(Color)-(Length).**

Ex: 100-100620-0-OV-EDG-NC-450 = No adhesive tape, Oval Button, Edge Cut termination, standard white paint, 45.0 inches

Ex: 270 = 27.0 inches. Note: Full diverter strips are 45 inches; can be cut to custom lengths or butted together with EDG termination for longer than 45” strips.

**ALL PARTS ARE TESTED TO:**
- RTCA/DO-160G Section 23
- SAE ARP5416A
- IEC 61400-24 LPL1
INSTALLATION PROCESS

Installation is easy. We provide:

1. Detailed PDF Installation guide with photos
2. Installation video available in six languages - English, Portuguese, Japanese, Spanish, French and German
3. Customer support throughout the process
ABOUT THE COMPANY

• CEO Allen Hall is an FAA Designated Engineering Representative (DER) for Lightning Direct Effects

• In 2006, Weather Guard Lightning Tech was incorporated.

• StrikeTape lightning diverters were developed in 2011 and are in use all over the world.


• Weather Guard Lightning Tech is the Original Equipment Manufacturer of StrikeTape.

• Give our customer service team a call today!

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