Secured cable routing thanks to a fire stop design. Ideal for engine & APU (Auxiliary Power Unit) for aircrafts applications.

- **Fire resistant & High temperature**
  - Ceramic insulator to enable 1100°C during 20min.
  - Rated resistance at up to 260°C.
  - Adapted to power cable.

- **Excellent vibration withstanding**
  - Avoid cable movement under vibrations.

- **Space saving**
  - Comparison with bulkhead connectors:

- **Rectangular low weight version**
  - Rectangular version also available with floating nuts for blind mating.

*Airbus qualified* *Boeing qualified*
Feedthrough | Fire Resistant Seal

**Technical features**

**Mechanical**
- **Shell:**
  - Circular version: Stainless steel
  - Rectangular low weight version: Titanium
- **Insulator:** Ceramic
- **Grommet:** Silicone
- **Shock:** 300 m/s² (30g) during 3 ms
- **Vibration:** Random 8 hours per axis
  - 5 Hz to 2000 Hz at 1G²/Hz

**Climatics**
- **Operating temperature range:** -65°C to +260°C
- **Resistance to fluids:** According to ABS1091

**Conformity**
- **Circular jam nut version:** In accordance with ABS0681
- **Circular square flange version:** In accordance with 5D0684QTP
- **Rectangular low weight version:** In accordance with ABS1536

**Description**
- Cable routing fire resistant feedthrough
- Ceramic insulator in high temperature silicon to enable 1100°C during 20 min
- Avoid cable movement under vibrations
- Available in 2, 4 & 7 ways
- Available in rectangular version with floating nuts for blind mating

**Ordering information & Weights**

<table>
<thead>
<tr>
<th>Cable routing style</th>
<th>Number of ways</th>
<th>SOURIAU Part Number</th>
<th>Airbus ABS Part Number</th>
<th>Boeing Part Number</th>
<th>Mass max. (gram)</th>
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</thead>
<tbody>
<tr>
<td>Circular Jam nut</td>
<td>2</td>
<td>AM15-1002A</td>
<td>ABS0681-07</td>
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<td>AM15-1013A</td>
<td>ABS0681-08</td>
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<td>ABS0681-06</td>
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<td>410</td>
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<td>Square flange</td>
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<td>-</td>
<td>SD0684-1</td>
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<tr>
<td>Rectangular low weight</td>
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<td>AM04-1002A</td>
<td>ABS1536-003-01</td>
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</table>
# Dimensions

## Circular jam nut version - 2 ways

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tbody>
<tr>
<td>Ø63</td>
<td>±0.3</td>
</tr>
<tr>
<td>Ø62.7</td>
<td>±0.3</td>
</tr>
<tr>
<td>Ø48</td>
<td>±0.1</td>
</tr>
<tr>
<td>Ø10.6</td>
<td>up to 12.1 mm</td>
</tr>
</tbody>
</table>

Note: All dimensions are in millimeters (mm)

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## Circular jam nut version - 4 ways

<table>
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<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø26</td>
<td></td>
</tr>
<tr>
<td>Ø63</td>
<td>±0.3</td>
</tr>
<tr>
<td>Ø48</td>
<td>±0.1</td>
</tr>
<tr>
<td>Ø21.1</td>
<td>±0.5</td>
</tr>
</tbody>
</table>

Note: All dimensions are in millimeters (mm)
Feedthrough | Fire Resistant Seal

### Circular square flange version - 4 ways

![Diagram of circular square flange version]

- Ø715±0.7
- 24.9±0.7
- 3.2±0.7
- 19±0.7
- 63.5±0.7
- 49.2±0.4
- 80±0.7
- 21.8±0.7
- View A-A

### Circular jam nut version - 7 ways

![Diagram of circular jam nut version]

- Ø65±0.1
- 21±0.8
- 21.1±0.5
- Ø57.15±0.7
- 4.8±0.2
- 1 to 10 mm
- Panel thickness
- 30°
- 1x10.6 up to 12.1mm
- NSA551301DG1
- 80±0.7
- 18
- Ø57.15±0.7
- 3.2±0.7
- 24.9±0.7
- A-A

Note: All dimensions are in millimeters (mm)
Rectangular low weight version - 2 ways

Note: All dimensions are in millimeters (mm)

Tooling

Optional specific metallic tool to use during wiring.
Two tool parts.

Part number:
AM15-1004A for NSA935131DG1
AM15-1005A for NAS935131DG2

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