Your LINK to quality and dependability

Globe Technologies Corporation

- Fusible Links
- Fusible Plugs
- Thermal Release Mechanisms
When it comes to safety, accept no substitute.

About Globe Technologies

Globe Technologies is a premiere manufacturer and distributor of high quality fusible links and release mechanisms. For three generations we've provided excellent service and commitment to a diverse customer base.

Globe Technologies ensures that our pricing, quality, and delivery is competitive. We operate our own 20,000 square foot stamping and production facilities. Our design and research personnel develop and solve many special application problems for our customers. Most importantly, everyone at Globe Technologies is dedicated to serving our clients and solving their unique problems.

To Our Customers

Our job is to help you. If you don’t understand something or if you need help with your product development needs for fire protection, let us know! We’re always willing to listen and guide you through the options. You can turn to us with confidence.

Our products are tested and/or approved by Underwriters Laboratories and/or Factory Mutual Research. They conform to the highest quality standards.

We cater to master distributors or original equipment manufacturers so we’re accustom to adjusting for your needs. This can mean large volumes of products or an unusually fast turn around time. Whatever your special needs are, Globe Technologies will strive to meet them!

MODEL A
- Mechanical heat activated device
- Maximum load = 45 lbs. (20.41 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- 1/4" or 5/16" mounting hole diameter
- Corrosion resistant construction
- Brass components
- High-strength symmetrical shape
- 450°F is rated for loads 10-45 pounds, inclusive

MODEL B
- Mechanical heat activated device
- Maximum load = 20 lbs. (9.07 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- 3/8" mounting hole diameter
- Corrosion resistant construction
- Bronze components – plated
- Ver 50 years of proven reliability

The 135°F is not Factory Mutual (FM) approved.
For Factory Mutual (FM) approved applications, refer to FM Approval Guide for proper use of the Model “B” Fusible Link

MODEL CS
- Mechanical heat activated device
- Maximum load = 4 lbs. (1.81 kg.)
- Minimum load = 1 lbs. (0.45 kg.)
- Corrosion resistant construction
- Brass components

MODEL D
- Mechanical heat activated device
- Maximum load = 8 lbs. (3.63 kg.)
- Minimum load = 1 lbs. (0.45 kg.)
- 13/64" mounting hole diameter
- Corrosion resistant construction
- Brass components

MODEL EA
- Mechanical heat activated device
- Maximum load = 25 lbs. (11.34kg)
- Minimum load = 5 lbs. (2.268kg)
- 0.45" (29/64") mounting holes
- Available in 135°, 155°, 165° and 212°
**Model EFL**

- Designed for the Fire Damper Industry
- Maximum load = 45 lbs. (20.41 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- 1/4” or 5/16” mounting hole diameter
- Corrosion resistant construction
- Brass components
- High-strength symmetrical shape
- Available in 155°, 165°, 212°, 280° and 350°

**Smoke Operation:**
EFL uses a S.P.D.T. switch for wiring a smoke detector. Upon smoke detector activation, the switch bypasses the fusible link and closes the damper, and remains closed until smoke signal stops.

**Model EFL-M**

- A thermal actuated safety switch used to shut off hydraulic equipment, flammable liquid pumps by securing power to controller through an electrical shut off switch
- Uses a UL listed fusible link as the thermal actuating device
- Shuts down the 120 volt power supply feeding the controller on hydraulic equipment upon activations of the fusible link due to temperature rise reaching the melting temperature of the link
- Can be wired as part of the equipment control circuit wiring or in series with the equipment power supply provided the power supply does not exceed the micro switch rating
- EFL-M micro switch is rated for 20 Amps, 1 1/2 HP 120 VAC

**Model G**

- Designed for the Fire Damper Industry
- Maximum load = 45 lbs. (20.41 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- 1/4” or 5/16” mounting hole diameter
- Corrosion resistant construction
- Brass components
- High-strength symmetrical shape
- Available in 155°, 165°, 212°, 280° and 350°

**Model GS**

- Designed for the Fire Damper Industry
- Variable length with addition of clover hooks
- Standard sizes: 2.75”, 3.16” and 3.75”
- High-strength symmetrical shape
- Maximum load = 45 lbs. (20.41 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- Available in 155°, 165°, 212°, 280° and 350°

**Model K**

- Mechanical heat activated device
- Maximum Load = 50 lbs. (22.68 kg.)
- Minimum Load = 3 lbs. (1.36 kg.)
- 3/8” mounting hole diameter
- Corrosion resistant construction
- Bronze components
- Broad load range

**Model J**

- Mechanical heat activated device
- Maximum load = 10 lbs. (4.5 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- 3/16” or 1/4” mounting hole diameter
- Corrosion resistant construction
- Brass components
- High-strength symmetrical shape

**Model EFL**

- Fire Operation:
  - Uses Model J Fusible Link, a quick response standard fusible link
  - More consistent release temps. compared to resetable bi-metal product
  - No external load on link, regardless of fire/smoke damper size
  - Faster response time by positioning fusible link in air-flow
  - Load applied on fusible link is part of EFL assembly

- Smoke Operation:
  - EFL uses a S.P.D.T. switch for wiring a smoke detector. Upon smoke detector activation, the switch bypasses the fusible link and closes the damper, and remains closed until smoke signal stops.
Custom Fusible Links

There are two aspects in solving any problem: the product and the price! Globe Technologies welcomes the challenge of creating innovative solutions for you.

Our trained consultants will guide you through choosing the right link for your situation. Sometimes you’ll need a specialized link to operate in conjunction with your current equipment. Other times you’ll need a stand alone link. We’ll help you in the development process to ensure the end product meets your needs and expectations.

Globe Technologies has an unparalleled success rate with meeting the needs of special use customers! We pride ourselves on providing you with the total solution to your problems.

Fusible Plug

Fusible Plugs are thermally operated non-reclosing pressure relief devices to function by the yielding or melting of the fusible alloy

- Corrosion resistant construction
- Brass components
- High-strength symmetrical shape

**MODEL JS**

- Specially designed for standard fire dampers
- Uses Model J Fusible Link as thermal activator
- Maximum load = 10 lbs. (4.5 kg.)
- Minimum load = 3 lbs. (1.36 kg.)
- Variable length with addition of clover hooks
- Standard sizes: 2.75", 3.16" and 3.75"

**MODEL ML**

- Mechanical heat activated device
- Maximum load = 40 lbs. (18.14 kg.)
- Minimum load = 10 lbs. (4.54 kg.)
- 21/64" mounting hole diameter

**MODEL PFV**

- Designed for pneumatic actuated fire/smoke dampers
- Uses our Model J Fusible Link as thermal actuating device
- 1/2-13 UNC threads for ease of mounting to damper walls
- 1/8 NPT male pipe threads for ease of connection to air lines
- Corrosion resistant construction
- Comes to you ready to install
- Rigid assembly

PFV Flow Restrictor

For pneumatic applications such as Fire/Smoke Dampers with pneumatic actuators where control of air flow to the actuator is required.

- Hex nipple
- Body and orifice - free machining brass or stainless steel
- Threads – 1/8” National Pipe Thread (NPT)
- Standard orifice size – 0.059” (Customs and variations are available)

Globe recommends where Fusible Plugs are installed in an atmosphere which can cause stress/strains or corrosion of surfaces, the plugs be examined annually and replaced if evidence of corrosion or stress/strain is evident.
Globe fusible links are manufactured and tested in accordance with applicable standards of Underwriters Laboratories, Inc., and/or Factory Mutual Research Corporation. Any alteration to this product after it leaves the factory or exposure of the links to temperatures or loads exceeding those indicated below will void and nullify any written or implied warranty. Cleaning chemicals must not be applied on fusible links during exhaust systems cleaning or scheduled maintenance. Fusible Links must be covered and cleaned with wet cloth.

**Important Precautions**
Globe links are designed for straight pull load applications. Do not use these links in applications involving radial or twisting loads. Store in a cool dry area. Do not subject links to loads exceeding those indicated. Do not install links where temperatures exceed those indicated above. Do not paint or coat fuse links as this may prevent operation.

NFPA Bulletins 96, 17 & 17A mandates replacement of fusible links at least semi-annually or more frequently if necessary to ensure proper operation of the system. For applications outside of these Bulletins, Globe Technologies recommends that, where fusible links are installed in atmospheres which can cause stress/strains or corrosion of surfaces, the fusible links be examined and replaced at least annually if signs of corrosion or stress/strain are evident.

**Temperature Rating Tables**

<table>
<thead>
<tr>
<th>TEMP. RATING</th>
<th>MODEL/PART NUMBER</th>
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<tbody>
<tr>
<td>135° 57°</td>
<td>312135 302813 324000</td>
</tr>
<tr>
<td>155° 68°</td>
<td>316155 327155 315155 341155 340155 342155 317155 321155 320155 321155</td>
</tr>
<tr>
<td>165° 74°</td>
<td>312165 302800 302850 302854</td>
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<tr>
<td>200° 93°</td>
<td>312212 302804 302820 302824</td>
</tr>
<tr>
<td>212° 100°</td>
<td>312212 302820 302824</td>
</tr>
<tr>
<td>280° 138°</td>
<td>312280 302820 302824</td>
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<tr>
<td>350° 177°</td>
<td>315350 341350 340350 342350</td>
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<tr>
<td>360° 182°</td>
<td>312280 302820 302824</td>
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<tr>
<td>350° 177°</td>
<td>315350 341350 340350 342350</td>
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<tr>
<td>450° 232°</td>
<td>312450</td>
</tr>
<tr>
<td>500° 260°</td>
<td>312515</td>
</tr>
</tbody>
</table>

*This part number is for the 3.16” only, please call for part numbers on the 2.75” and 3.75”.

**Fusible Plug Caution**

<table>
<thead>
<tr>
<th>TEMP. RATING</th>
<th>MODEL/PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>165° 74°</td>
<td>350165 Brass/Tin Plating 370018 Brass 360015 Brass 370015 Brass</td>
</tr>
<tr>
<td>165° 74°</td>
<td>350165 Brass 370010 303SS 360010 303SS 370014 303SS</td>
</tr>
<tr>
<td>212° 100°</td>
<td>350165 Brass 370017 303SS 360012 303SS 370012 303SS</td>
</tr>
<tr>
<td>281° 138°</td>
<td>350165 Brass 370011 303SS 360011 303SS 370011 303SS</td>
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<tr>
<td>450° 232°</td>
<td>370030 303SS 360032 303SS 370034 303SS</td>
</tr>
</tbody>
</table>

Other temperatures available upon request.
Warranty

GLOBE TECHNOLOGIES warrants that our products are free from defects as to workmanship and materials, when used in accordance with their approval listings and the restrictions and cautions that apply. Our obligation under this warranty shall be limited to replacing, at our plant, any parts thereof which shall, within one year after delivery to the ORIGINAL PURCHASER, be demonstrated to be defective. In order to accomplish the demonstration of defectiveness, the parts claimed to be defective must be sent by the original purchaser to GLOBE TECHNOLOGIES, P.O. BOX 1070, STANDISH MI 48658-1070. Globe shall not be liable under any terms of this warranty if the defective part is not submitted to Globe for inspection. This warranty does not extend to consequential damages of any nature. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS. No person, firm or corporation is authorized to assume for us any other liability in connection with the sale of our products.