### Material Specifications

#### Nylon

**Pressure Rating:**
150 PSIG (10 BAR) NEMA 4x, 6 (Submersible) & 12 - IP 68 / IP 69K

**Materials:**
- Fittings: Nylon 6/6
- Form Seal: Buna-N
- Optional O-Ring: Buna-N, Viton® or Silicone
- Optional Seal Ring: Polyethylene or Fiber-Reinforced Plastic

**Operating Temperature:**
- 40°C to 100°C (-40°F to 212°F)
- Nylon Fitting w/ Aluminum Clamp: -20°C to 70°C (-4°F to 158°F)

**Available Colors:**
- Black (RAL 9005)
- Gray (RAL 7035)
- Blue (RAL 5012) - upon request

Nylon 6/6: V0 rated - Flame resistant, halogen and phosphorous free, self-extinguishing, non-toxic, fungus resistant

#### Nickel Plated Brass

**Pressure Rating:**
150 PSIG (10 BAR) NEMA 4x, 6 (Submersible) & 12 - IP 68 / IP 69K

**Materials:**
- Fittings: Nickel Plated Brass
- Spring (Flex Extension): Stainless Steel
- Form Seal: Buna-N (NBR)
- Splined Bushing: Nylon 6/6
- O-Ring: Buna-N (Viton® or Silicone)
- Optional Seal Ring: Polyethylene or Fiber-Reinforced Plastic

**Operating Temperature:**
- 40°C to 100°C (-40°F to 212°F)

Nylon 6/6: V0 rated - Flame resistant, halogen and phosphorous free, self-extinguishing, non-toxic, fungus resistant

#### PVDF

**Pressure Rating:**
150 PSIG (10 BAR) NEMA 4x, 6 (Submersible) & 12 - IP 68 / IP 69K

**Materials:**
- Fittings: Teflon® or Nickel Plated Brass
- Form Seal: Viton® (FPM)
- Clamping Insert: PVDF
- O-Ring: Buna-N (Viton®)

**Operating Temperature:**
- 35°C to 150°C (-31°F to 302°F), V0 rated

#### Stainless Steel

**Pressure Rating:**
150 PSIG (10 BAR) NEMA 4x, 6 (Submersible) & 12 - IP 68 / IP 69K

**Materials:**
- Fittings: 303 Stainless Steel
- Form Seal: Buna-N (NBR or Viton® (FPM))
- Clamping Insert: PA (Nylon) or PVDF
- O-Ring: Buna-N (FPM), Viton® or Silicone

**Operating Temperature:**
- Buna-N: -20°C to 70°C (-4°F to 158°F)
- PVDF: -35°C to 150°C (-31°F to 302°F)

#### O-Ring & Seal Ring Materials

**Materials**
- Buna-N
- Viton® (FPM)
- Silicone

**Operating Temperatures**
- Buna-N: -30°C to 120°C (-22°F to 248°F)
- Viton® (FPM): -30°C to 200°C (-22°F to 392°F)
- Silicone: -5°C to 250°C (-23°F to 482°F)

#### Insert Materials

**Materials**
- Buna-N
- Elastomer
- Viton® (FPM)
- Silicone

**Operating Temperatures**
- Buna-N: -40°C to 100°C (-40°F to 212°F)
- Elastomer: -40°C to 100°C (-40°F to 212°F)
- Viton® (FPM): -25°C to 200°C (-13°F to 392°F)
- Silicone: -60°C to 250°C (-76°F to 482°F)

#### Adapter, Reducer & Enlarger Materials

**Materials**
- Nylon
- Nickel Plated Brass

**Operating Temperatures**
- Nylon: -40°C to 80°C (-40°F to 176°F)
- Nickel Plated Brass: -40°C to 100°C (-40°F to 212°F)

---

V0 Flammability Rating according to UL 94 (applies to all Strain Relief Fittings)

RoHS Deca BDE

Most of our standard products are also available in Ex e & ATEX versions!

Call for Technical Assistance: 800-456-9012 / 303-699-1135

Viton® and Teflon® are federally registered trademarks of DuPont Dow Elastomer.
**Technical Information**

### NEMA Ratings - Overview

NEMA stands for the National Electrical Manufacturers Association. It has established a range of standards for electrical equipment enclosures.

<table>
<thead>
<tr>
<th>NEMA Rating</th>
<th>NEMA 1</th>
<th>NEMA 2</th>
<th>NEMA 3</th>
<th>NEMA 3R</th>
<th>NEMA 3S</th>
<th>NEMA 4</th>
<th>NEMA 4x</th>
<th>NEMA 6</th>
<th>NEMA 6P</th>
<th>NEMA 12, 12K</th>
<th>NEMA 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Class</td>
<td>IP 23</td>
<td>IP 30</td>
<td>IP 64</td>
<td>IP 32</td>
<td>IP 64</td>
<td>IP 66</td>
<td>IP 66</td>
<td>IP 66</td>
<td>IP 66-88</td>
<td>IP 67-68</td>
<td>IP 65</td>
</tr>
<tr>
<td>Indoor</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Outdoor</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Indoor &amp; Outdoor</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Call for Technical Assistance:** 800-456-9012 / 303-699-1135

**Dimensions and specifications may be changed without prior notice.**

---

**NEMA 1 General Purpose - Indoors**
Type 1 - intended for general purpose indoor use primarily to provide a degree of protection against contact with the enclosed equipment or locations where unusual service conditions do not exist.

**NEMA 2 Drip Proof - Indoors**
Type 2 - intended for general purpose indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.

**NEMA 3 Dust Tight, Rain Tight, & Ice/Sleet resistant - Indoors/Outdoors**
Type 3 - intended for general purpose outdoor use primarily to provide a degree of protection against windblown dust, rain, and sleet; and to be undamaged by the formation of ice on the enclosure.

**NEMA 3R Rain Proof & Ice/Sleet Proof - Indoors/Outdoors**
Type 3R - intended for general purpose outdoor use primarily to provide a degree of protection against falling rain; and to be undamaged by the formation of ice on the enclosure.

**NEMA 3S Dust Tight, Rain Tight, & Ice/Sleet Proof - Outdoors**
Type 3S - intended for general purpose outdoor use primarily to provide a degree of protection against sleet; and to be undamaged by the formation of ice on the enclosure.

**NEMA 4 Water Tight & Dust Tight - Indoors/Outdoors**
Type 4 - intended for general purpose indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose directed water; and to be undamaged by the formation of ice on the enclosure.

**NEMA 4x Water Tight, Dust Tight, & Corrosion Resistant - Indoors/Outdoors**
Type 4X - intended for general purpose indoor and outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, and hose-directed water; and to be undamaged by the formation of ice on the enclosure.

**NEMA 5 Superseded by NEMA 12 for Control Apparatus**
Type 5 - see NEMA 12

**NEMA 6 Submersible, Water Tight, Dust Tight, & Ice/Sleet Resistant - Indoors/Outdoors**
Type 6 - intended for general purpose indoor or outdoor use primarily to provide a degree of protection against the entry of water during temporary submersion at a limited depth; and to be undamaged by the formation of ice on the enclosure.

**NEMA 6P Submersible, Water Tight, Dust Tight, & Ice/Sleet Resistant - Indoors/Outdoors**
Type 6P - Same as NEMA 6 including protection of the entry of water during prolonged submersion at a limited depth.

**NEMA 7 Underwriters Lab Class 1-Groups C&D - Explosion Proof - Indoors**
Type 7 - for indoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the National Electrical Code.
Type 7 enclosures shall be capable of withstanding the pressures resulting from an internal explosion of specified gases, and contain such an explosion sufficiently that an explosive gas-air mixture existing in the atmosphere surrounding the enclosure will not be ignited. Enclosed heat generating devices shall not cause external surfaces to reach temperatures capable of igniting explosive gas-air mixtures in the surrounding atmosphere. Enclosures shall meet explosion, hydro-static, and temperature design tests.

**NEMA 8 Underwriters Lab Class 1-Groups C&D - Explosion Proof - Indoors**
Type 8 is same as NEMA 7, except the unit is oil-immersed

**NEMA 9 Underwriters’ Lab Class II - Groups E, F, G - Indoors**
Type 9 - intended for special purpose indoor use in locations classified as hazardous (Class II, Groups E, F, or G, as defined in the National Electrical Code).
Type 9 enclosures shall be capable of preventing the entrance of dust. Enclosed heat generating devices shall not cause external surfaces to reach temperatures capable of igniting or discoloring dust on the enclosure or igniting dust-air mixtures in the surrounding atmosphere. Enclosures shall meet dust penetration and temperature design tests, and aging of gaskets (if used).

**NEMA 10 Bureau of Mines**

**NEMA 11 Corrosion Resistant & Drip Proof - Oil Immersed - Indoors**

**NEMA 12 Industrial Use - Dust Tight & Drip Tight - Indoors**
Type 12 - intended for industrial indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping noncorrosive liquids.

**NEMA 13 Oil Tight & Dust Tight - Indoors**
Type 13 - intended for industrial indoor use primarily to provide a degree of protection against oil, and wind-blowing dust and water.
**IP Ratings**

The IP Code defined in international standard IEC 60529 classifies the degrees of protection provided against the intrusion of:

- solid objects (including body parts like hands and fingers)
- dust
- accidental contact
- water in electrical enclosures

It consists of the letters IP (for “International Protection Rating” or “Ingress Protection Rating”) followed by two digits and an optional letter. The standard aims to provide users more detailed information than vague marketing terms such as “waterproof”.

<table>
<thead>
<tr>
<th>Level</th>
<th>Object size protected against</th>
<th>Effective against</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>-</td>
<td>No protection against contact and ingress of objects</td>
</tr>
<tr>
<td>1</td>
<td>&gt;50 mm</td>
<td>Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part</td>
</tr>
<tr>
<td>2</td>
<td>&gt;12.5 mm</td>
<td>Fingers or similar objects</td>
</tr>
<tr>
<td>3</td>
<td>&gt;2.5 mm</td>
<td>Tools, thick wires, etc.</td>
</tr>
<tr>
<td>4</td>
<td>&gt;1 mm</td>
<td>Most wires, screws, etc.</td>
</tr>
<tr>
<td>5</td>
<td>dust protected</td>
<td>Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact</td>
</tr>
<tr>
<td>6</td>
<td>dust tight</td>
<td>No ingress of dust; complete protection against contact</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Protected against</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>not protected</td>
<td>-</td>
</tr>
<tr>
<td>1</td>
<td>dripping water</td>
<td>Dripping water (vertically falling drops) shall have no harmful effect.</td>
</tr>
<tr>
<td>2</td>
<td>dripping water when tilted up to 15°</td>
<td>Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position.</td>
</tr>
<tr>
<td>3</td>
<td>spraying water</td>
<td>Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect.</td>
</tr>
<tr>
<td>4</td>
<td>splashing water</td>
<td>Water splashing against the enclosure from any direction shall have no harmful effect.</td>
</tr>
<tr>
<td>5</td>
<td>water jets</td>
<td>Water projected by a nozzle against enclosure from any direction shall have no harmful effects.</td>
</tr>
<tr>
<td>6</td>
<td>powerful water jets</td>
<td>Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.</td>
</tr>
<tr>
<td>7</td>
<td>immersion up to 1 m</td>
<td>Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).</td>
</tr>
<tr>
<td>8</td>
<td>immersion beyond 1 m</td>
<td>The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. NOTE: Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that produces no harmful effects.</td>
</tr>
</tbody>
</table>

**IP 69K**

German standard DIN 40050-9 extends the IEC 60529 rating system described above with an IP 69K rating for high-pressure, high-temperature wash-down applications. Such enclosures must not only be dust tight (IP 6X), but also able to withstand high-pressure and steam cleaning. The test specifies a spray nozzle that is fed with 80 °C (176 °F) water at 8–10 MPa (80–100 bar) and a flow rate of 14–16 L/min. The nozzle is held 10–15 cm (3.94” - 5.91”) from the tested device at angles of 0°, 30°, 60° and 90° for 30 seconds each. The test device sits on a turntable that rotates once every 12 s (5 rpm).

The IP 69K test specification was initially developed for road vehicles, especially those that need regular intensive cleaning (dump trucks, cement mixers, etc), but also finds use in other areas (e.g., food industry, railroad, marine, etc.)

The most commonly used protection methods are IP and NEMA, whereas:
- IP Classification – addresses the European market
- NEMA Classification – addresses the North American market

For questions please call our Inside Technical Sales Department - 1-800-456-9012 or 303-699-1135.
Technical Information

Sizes & Dimensions for SEALCON Liquid Tight Strain Relief Fittings

<table>
<thead>
<tr>
<th>Metric</th>
<th>Major Thread Diameter</th>
<th>Minor Thread Diameter</th>
<th>PG</th>
<th>Major Thread Diameter</th>
<th>Minor Thread Diameter</th>
<th>NPT</th>
<th>Major Thread Diameter</th>
<th>Minor Thread Diameter</th>
<th>Dome Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>M6 x 1.0</td>
<td>6.0 mm / .24&quot;</td>
<td>5.0 mm / .19&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.0 mm / .11&quot;</td>
</tr>
<tr>
<td>M8 x 1.25</td>
<td>8.0 mm / .31&quot;</td>
<td>6.8 mm / .26&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.0 mm / .19&quot;</td>
</tr>
<tr>
<td>M10 x 1.5</td>
<td>10.0 mm / .40&quot;</td>
<td>8.4 mm / .33&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6.0 mm / .24&quot;</td>
</tr>
<tr>
<td>M12 1.5</td>
<td>12.0 mm / .47&quot;</td>
<td>8.0 mm / .32&quot;</td>
<td></td>
<td>PG 7</td>
<td>12.5 mm / .49&quot;</td>
<td>11.3 mm / .44&quot;</td>
<td>1/4&quot;</td>
<td>12.5 mm / .49&quot;</td>
<td>11.6 mm / .46&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PG 9</td>
<td>15.2 mm / .60&quot;</td>
<td>13.9 mm / .54&quot;</td>
<td>3/8&quot;</td>
<td>16.8 mm / .66&quot;</td>
<td>15.2 mm / .60&quot;</td>
</tr>
<tr>
<td>M16 x 1.5</td>
<td>16.0 mm / .63&quot;</td>
<td>14.5 mm / .57&quot;</td>
<td></td>
<td>PG 11</td>
<td>18.6 mm / .73&quot;</td>
<td>17.3 mm / .68&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PG 13</td>
<td>20.4 mm / .80&quot;</td>
<td>19.1 mm / .75&quot;</td>
<td>1/2&quot;</td>
<td>20.8 mm / .82&quot;</td>
<td>18.8 mm / .74&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PG 16</td>
<td>22.5 mm / .89&quot;</td>
<td>21.2 mm / .83&quot;</td>
<td>1/2&quot;-E</td>
<td>20.8 mm / .82&quot;</td>
<td>18.8 mm / .74&quot;</td>
</tr>
<tr>
<td>M20 x 1.5</td>
<td>20.0 mm / .79&quot;</td>
<td>18.5 mm / .72&quot;</td>
<td></td>
<td>PG 21</td>
<td>28.3 mm / 1.11&quot;</td>
<td>26.8 mm / .1.05&quot;</td>
<td>3/4&quot;</td>
<td>26.2 mm / 1.03&quot;</td>
<td>24.1 mm / .95&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M25 x 1.5</td>
<td>25.0 mm / .98&quot;</td>
<td>23.5 mm / .92&quot;</td>
<td></td>
<td>PG 29</td>
<td>37.0 mm / 1.46&quot;</td>
<td>35.5 mm / 1.39&quot;</td>
<td>1&quot;</td>
<td>32.8 mm / 1.29&quot;</td>
<td>30.5 mm / 1.20&quot;</td>
</tr>
</tbody>
</table>
| | | | | | | | | | | 1-1/4"-

Grommet Identification

<table>
<thead>
<tr>
<th>Color</th>
<th>Type of Grommet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Standard</td>
</tr>
<tr>
<td>Gray</td>
<td>Reduced</td>
</tr>
<tr>
<td>Beige</td>
<td>Multi-Hole / Solid Plug</td>
</tr>
<tr>
<td>Green</td>
<td>Viton®</td>
</tr>
<tr>
<td>Brown</td>
<td>Silicone</td>
</tr>
</tbody>
</table>

Pull-Test Rating for Strain Relief Fittings

The Pull-Test Rating of our Strain Relief Fittings complies with Industry Standards.

Pull-Test Rating: 35 lb.

For questions please call our Inside Technical Sales Department - 1-800-456-9012 or 303-699-1135.
### Thread Specifications

#### NPT Threads

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>1/4&quot; NPT</th>
<th>3/8&quot; NPT</th>
<th>1/2&quot; NPT</th>
<th>3/4&quot; NPT</th>
<th>1&quot; NPT</th>
<th>1-1/4&quot; NPT</th>
<th>1-1/2&quot; NPT</th>
<th>2&quot; NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Dia. in Inches (mm)</td>
<td>.54 (13.72)</td>
<td>.69 (17.15)</td>
<td>.84 (21.34)</td>
<td>1.05 (26.67)</td>
<td>1.32 (33.40)</td>
<td>1.66 (42.16)</td>
<td>1.90 (48.26)</td>
<td>2.38 (60.33)</td>
</tr>
<tr>
<td>Pitch in Inches (mm)</td>
<td>.056 (1.41)</td>
<td>.056 (1.41)</td>
<td>.071 (1.81)</td>
<td>.071 (1.81)</td>
<td>.067 (2.21)</td>
<td>.087 (2.21)</td>
<td>.087 (2.21)</td>
<td>.087 (2.21)</td>
</tr>
<tr>
<td>Threads per Inch</td>
<td>18</td>
<td>18</td>
<td>14</td>
<td>14</td>
<td>11.5</td>
<td>11.5</td>
<td>11.5</td>
<td>11.5</td>
</tr>
</tbody>
</table>

- NPT Thread = National Pipe Thread
- Taper rate for all NPT threads is 1/16
- The taper on NPT threads allows them to form a seal when torqued as the flanks of the threads compress against each other, as opposed to straight thread fittings

#### Metric Threads

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>M6</th>
<th>M8</th>
<th>M10</th>
<th>M12</th>
<th>M16</th>
<th>M20</th>
<th>M25</th>
<th>M32</th>
<th>M40</th>
<th>M50</th>
<th>M63</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Dia. in inches (mm)</td>
<td>.24 (6)</td>
<td>.31 (8)</td>
<td>.39 (10)</td>
<td>.47 (12)</td>
<td>.63 (16)</td>
<td>.79 (20)</td>
<td>.98 (25)</td>
<td>1.26 (32)</td>
<td>1.57 (40)</td>
<td>1.97 (50)</td>
<td>2.48 (63)</td>
</tr>
<tr>
<td>Pitch in Inches (mm)</td>
<td>.04 (1)</td>
<td>.05 (1.25)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
<td>.06 (1.5)</td>
</tr>
</tbody>
</table>

- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign ‘×’ (i.e. M12 x 1.5)

#### PG Threads

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>PG 7</th>
<th>PG 9</th>
<th>PG 11</th>
<th>PG 13.5</th>
<th>PG 16</th>
<th>PG 21</th>
<th>PG 29</th>
<th>PG 36</th>
<th>PG 42</th>
<th>PG 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Dia. in inches (mm)</td>
<td>.49 (12.5)</td>
<td>.60 (15.2)</td>
<td>.73 (18.6)</td>
<td>.80 (20.4)</td>
<td>.89 (22.5)</td>
<td>1.11 (28.3)</td>
<td>1.46 (37)</td>
<td>1.65 (47)</td>
<td>2.13 (54)</td>
<td>2.39 (59.3)</td>
</tr>
<tr>
<td>Pitch in Inches (mm)</td>
<td>.05 (1.27)</td>
<td>.055 (1.41)</td>
<td>.055 (1.51)</td>
<td>.055 (1.51)</td>
<td>.062 (1.59)</td>
<td>.062 (1.59)</td>
<td>.062 (1.59)</td>
<td>.062 (1.59)</td>
<td>.062 (1.59)</td>
<td>.062 (1.59)</td>
</tr>
</tbody>
</table>

- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle

#### BSPP Threads

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>2-1/2&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Dia. in inches (mm)</td>
<td>2.96 (75.84)</td>
<td>3.46 (87.88)</td>
<td>4.45 (113.03)</td>
</tr>
<tr>
<td>Pitch in Inches (mm)</td>
<td>.09 (2.31)</td>
<td>.09 (2.31)</td>
<td>.09 (2.31)</td>
</tr>
<tr>
<td>Threads per Inch</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>

- BSPP Thread = British Standard Pipe Parallel Thread
- Parallel (straight) thread with a constant diameter, denoted by the letter G
- Symmetrical V-thread in which the angle between the flanks is 55° (measured in an axial plane)
- One-sixth of this sharp V is truncated at the top and the bottom
- Threads are rounded equally at crests and roots by circular arcs ending tangentially with the flanks
- The theoretical depth of the thread is therefore 0.64 times the nominal pitch