# CABLE GLAND SELECTION TABLE

**OPTIONAL**

**EXAMPLE PART NUMBERING:**

**NOTES**

(ALL DIMENSIONS IN mm)

**ACCESSORIES:**

- **IP WASHERS**
  - Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
- **LOCKNUT**
  - Brass (ACBLN) / Stainless Steel (ACSLN) / Aluminium (ACALN)
- **OPERATING TEMP:**
  - Electroless Nickel
  - Aluminium, Brass or Stainless Steel
- **IP RATING:**
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc

- **PRODUCT DESCRIPTION:**

  “A*PDF” type glands are certified Flameproof Ex d, Increased Safety Ex e, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIA, IIB and IIC. They provide two controlled pull resistant environmental displacement seals on the cable outer sheath, minimising damage to cables that exhibit “cold flow” characteristics. The gland maintains IP66 & IP68 to 50 metres and is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a freely rotating female threaded conduit connection for ease of installation.

**COMPLIANCE STANDARDS:**

- **ATEX**
  - II 2G Ex dIC IIC Gb / Ex eIIC Gb / Ex ta IIIC Da
  - IECEx
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Da
  - NEC - USA
  - Class I, Zone 1 AEx e IIC Gb / Class II, Zone 20 AEx ta IIC Da
  - Class II Division 1, Groups E, F & G
  - Class II, Enclosure Type 4X
  - EAC
  - INMETRO - Brazil
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Da / Ex nR IIC Gc
  - SAC - China
  - Ex iC / Ex i C
  - UKRAINE
  - Ex iC X / Ex i F X
  - CCCe - India
  - Petroleum Rules (PESO)
  - ABS
  - Specified ABS Rules
  - LLOYD’S
  - Enclosure Systems (Part 1B)
  - RMRS
  - Part X of RS Rules for the classification & construction of sea-going ships (ed. 2014)

- **CABLE GLAND SELECTION TABLE**

<table>
<thead>
<tr>
<th>Gland Size</th>
<th>Entry Thread Size</th>
<th>Metric Thread Size</th>
<th>Flats</th>
<th>Corners</th>
<th>Across Flats</th>
<th>Across Corners</th>
<th>Weight (Kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>M12 x 1.5</td>
<td>3/8&quot;</td>
<td>0.9</td>
<td>6.0</td>
<td>74</td>
<td>19.0</td>
<td>21.0</td>
</tr>
<tr>
<td>16</td>
<td>M16 x 1.5</td>
<td>1/2&quot;</td>
<td>5.2</td>
<td>11.0</td>
<td>91</td>
<td>25.4</td>
<td>28.0</td>
</tr>
<tr>
<td>20S</td>
<td>M20 x 1.5</td>
<td>1 1/4&quot;</td>
<td>19.5</td>
<td>26.3</td>
<td>91</td>
<td>37.6</td>
<td>41.4</td>
</tr>
<tr>
<td>25 S</td>
<td>M25 x 1.5</td>
<td>1 1/2&quot;</td>
<td>23.0</td>
<td>32.2</td>
<td>97</td>
<td>55.0</td>
<td>60.5</td>
</tr>
<tr>
<td>32 S</td>
<td>M32 x 1.5</td>
<td>1 1/4&quot; or 1 1/2&quot;</td>
<td>19.5</td>
<td>26.3</td>
<td>91</td>
<td>46.0</td>
<td>50.6</td>
</tr>
<tr>
<td>40 M</td>
<td>M40 x 1.5</td>
<td>1 1/4&quot; or 1 1/2&quot;</td>
<td>23.0</td>
<td>32.2</td>
<td>97</td>
<td>55.0</td>
<td>60.5</td>
</tr>
<tr>
<td>50 S</td>
<td>M50 x 1.5</td>
<td>1 1/2&quot; or 2&quot;</td>
<td>28.1</td>
<td>38.2</td>
<td>98</td>
<td>65.0</td>
<td>71.5</td>
</tr>
<tr>
<td>50 M</td>
<td>M50 x 1.2</td>
<td>2&quot;</td>
<td>33.1</td>
<td>44.1</td>
<td>98</td>
<td>65.0</td>
<td>71.5</td>
</tr>
<tr>
<td>63 S</td>
<td>M63 x 1.5</td>
<td>2&quot; or 2 1/2&quot;</td>
<td>39.2</td>
<td>50.1</td>
<td>101</td>
<td>90.0</td>
<td>88.0</td>
</tr>
<tr>
<td>75 S</td>
<td>M75 x 1.5</td>
<td>2 1/2&quot; or 3&quot;</td>
<td>46.7</td>
<td>56.0</td>
<td>101</td>
<td>90.0</td>
<td>88.0</td>
</tr>
<tr>
<td>75 M</td>
<td>M75 x 1.5</td>
<td>2 1/2&quot; or 3&quot;</td>
<td>52.1</td>
<td>62.0</td>
<td>100</td>
<td>90.0</td>
<td>90.9</td>
</tr>
<tr>
<td>80</td>
<td>M80 x 2.0</td>
<td>3&quot; or 3 1/2&quot;</td>
<td>58.0</td>
<td>68.0</td>
<td>100</td>
<td>90.0</td>
<td>90.9</td>
</tr>
<tr>
<td>85 M</td>
<td>M85 x 2.0</td>
<td>3&quot; or 3 1/2&quot;</td>
<td>69.0</td>
<td>78.0</td>
<td>120</td>
<td>104.0</td>
<td>115.3</td>
</tr>
<tr>
<td>90 M</td>
<td>M90 x 2.0</td>
<td>3 1/2&quot; or 4&quot;</td>
<td>74.0</td>
<td>84.0</td>
<td>121</td>
<td>114.0</td>
<td>125.7</td>
</tr>
<tr>
<td>100</td>
<td>M100 x 2.0</td>
<td>3 1/2&quot; or 4&quot;</td>
<td>82.0</td>
<td>90.0</td>
<td>123</td>
<td>114.0</td>
<td>125.7</td>
</tr>
</tbody>
</table>

**NOTES**

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our “Thread Reference Tables” for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-7 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length.

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