## Cable Gland Selection Table

### (ALL DIMENSIONS IN mm)

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</thead>
<tbody>
<tr>
<td></td>
<td>Metric</td>
<td>NPT</td>
<td>Width</td>
<td>Thickness</td>
<td>Across Flats [A]</td>
<td>Across Corners</td>
</tr>
<tr>
<td>20S</td>
<td>M20 x 1.5</td>
<td>3/4&quot; or 1/2&quot;</td>
<td>16</td>
<td>6.3</td>
<td>11.7</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>M25 x 1.5</td>
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<tr>
<td>20R</td>
<td>M20 x 1.5</td>
<td>3/4&quot; or 1/2&quot;</td>
<td>16</td>
<td>8.1</td>
<td>13.5</td>
<td>5.8</td>
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<tr>
<td></td>
<td>M25 x 1.5</td>
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<tr>
<td>20</td>
<td>M20 x 1.5</td>
<td>3/4&quot; or 1/2&quot;</td>
<td>16</td>
<td>10.3</td>
<td>13.5</td>
<td>5.6</td>
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<td>M25 x 1.5</td>
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<tr>
<td>**25</td>
<td>M25 x 1.5</td>
<td>3/4&quot; or 1&quot;</td>
<td>16</td>
<td>10.8</td>
<td>16.2</td>
<td>4.0</td>
</tr>
</tbody>
</table>

** Size 25mm is only ATEX & IECEx certified.

- Gland size does not necessarily equate to the entry thread size.
- Dimensions (A) & (B) may differ for glands with non metric entry threads.
- 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 60079-1 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. Peppers Cable Glands Limited will not be held responsible for clients’ installations where this has not been taken into account.
- When selecting IP Washer material for gland kits, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.

### COMPLIANCE STANDARDS:

- EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
- IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529
- UL514B, UL1203, ANSI/UL 60079-0/7, ISA 60079-31

### PRODUCT DESCRIPTION

"A8" 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. Developed for flat cables, they provide controlled Ex d sealing and have been tested to IP66 and IP68 to 50 metres. The A8 version is designed to accommodate unarmoured and armoured cables where sealing and retention is required only on the outer sheath.

### EXAMPLE PART NUMBERING:

- A8BF/NP/20R/M20
  - A: Gland for Unarmoured Cables
  - 8: Silicone Seal for flat cables
  - B: Brass (B) / Stainless Steel (S)
  - F: Multiple Certification
  - NP: Nickel Plated
  - 20: Gland shell size
  - M20: M20 x 1.5mm Male Entry Thread

### CERTIFICATION:

- ATEX
  - II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
  - II 3G Ex nR IIC Gc
- IECEx
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
- NEC - USA
  - Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIIC Da
  - Class II Division 1, Groups E, F & G
- SAC - China
  - Ex d IIC / Ex e IIC
- INMETRO - Brazil
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
- UKRAINE
  - Ex d I / Ex e I / Ex nR I
- CCeE - Portugal
  - Petroleum Rules 2002 (PESO)
- ABS
  - Specified ABS Rules
- LLOYD’S
  - Enclosure Systems (Part 18)
- RMRS
  - Part XI of PS Rules for the classification & construction of sea-going ships (ed. 2014)

### OPTIONAL ACCESSORIES:

- LOCKNUT: Brass (AC3B/3) / Stainless Steel (AC3S)
- EARTH TAG: Brass (AC3ET) / Stainless Steel (AC3SET)
- IP WASHERS: Nylon (AC3SW) / Fibre (ACFSW) / PTFE (ACPSW)
- SERRATED WASHERS: Stainless Steel (AC3SSW)

### IP RATING:

- IP66 & IP68 (50 metres - 7 Days)

### OPERATING TEMP:

- Silicone Seals: -60°C to +180°C

### MATERIALS:

- Brass or Stainless Steel

### PLATING:

- Electroless Nickel