# CABLE GLAND SELECTION TABLE

**OPTIONAL NOTES**

**EXAMPLE PART NUMBERING:**

- **Gland Size**
- **Electroless Nickel PLATING:**
  - Brass or Stainless Steel

**OPERATING TEMP:**

- Silicone Seals: -60°C to +180°C
- IP RATING:
  - IP66 & IP68 (50 metres - 7 Days), Type 4X

**ACCESSORIES:**

- **SERRATED WASHERS**
  - Stainless Steel (ACSSW)
  - Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)

- **IP WASHERS**
  - E
    - Brass (ACBET) / Stainless Steel (ACSET)
  - S
    - Brass (ACBLN) / Stainless Steel (ACSLN)

- **LOCKNUT**
  - L
    - Locknut (material dictated by gland entry thread material)
  - H
    - Including IP Washer, Nylon (N) - Fibre (V) - PTFE (H)
  - T
    - Including Earth Tag
  - S
    - Including Serrated Washer
  - 1
    - Quantity per kit

- **NP**
  - Nickel Plate

**PART NUMBERS:**

<table>
<thead>
<tr>
<th>E</th>
<th>B</th>
<th>S</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>M20 x 1.5</td>
<td>1/2&quot; or 3/4&quot;</td>
<td>16</td>
</tr>
<tr>
<td>20S</td>
<td>M20 x 1.5</td>
<td>1/2&quot; or 3/4&quot;</td>
<td>16</td>
</tr>
</tbody>
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**DIMENSIONS/WEIGHT (METRIC VERSIONS):**

- Across Flats (A):
- Across Corners (B):
- Weight (Kgs):

**PRODUCT DESCRIPTION**

"E8X" 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 IA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIAD, IIIB, and IIC, respectively. Flat glands for flat cables, they provide controlled Ex d sealing and have been tested to IP66 and IP68 to 50 metres. The E8X version is designed to accommodate armoured cables, sealing on the inner and outer sheaths and also incorporates a detachable armour specific clamping system.

**COMPLIANCE STANDARDS:**

- **ATEX**
  - II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Ds
  - II 3G Ex R IIC Gc
- **IECEx**
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Ds
  - Class II Zone 1 BEx e IIC Gb / Class II Zone 20 AEx ta IIC Ds
- **NEC - USA**
  - Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIC Ds
- **UKRAINE**
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Gc
  - Ex d IIC X / Ex e IIC X
- **SAC - China**
  - Ex d IIC / Ex e IIC
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Gc
- **INMETRO - Brazil**
  - Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Gc
  - Ex d IIC / Ex e IIC
  - Ex d IIC X / Ex e IIC X
- **CCe - India**
  - Petroleum Rules 2002 (PEPSI)
  - Specified ABS Rules
  - Enclosure Systems (Part 1B)
- **LLOYD'S**
  - Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)
  - EAC
  - Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)

**PART NUMBERING:**

- **PEPPERS SUPPLIES**
  - Flat Cable Glands (Armoured Flat Cable)
  - Double Compression Gland designed for use with Armoured Flat Cable
  - Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx e : AEx ta

**CERTIFICATION:**

- **ATEX**
  - SIRA 01ATEX1270X & SIRA 02ATEX2007X
  - IECEx: SEx05.002X
  - NEC - USA: CSA 2627370
  - SAC - China: NCC 13.2187X
  - INMETRO - Brazil: NEPSI GYJ16.1398X
  - UKRAINE: UA.TR.047.C.0408-13 & 2937
  - SIRA - India: PESO P5663002G & P5663003G
  - ABS: 14-LD4060611-PDA
  - LLOYD’S: 10.0035/6E1
  - EAC: Exd IICU / Exe IIU / ExnR IIU

**NOTES:**

- 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 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 use with glands, 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.