

|                              |   |
|------------------------------|---|
| <b>Technical Data Sheet:</b> | <b>DS472-2</b>  |
| <b>Product Description</b>   | <b>Straight, external thread, nickel plated brass, flameproof barrier gland</b> |
| <b>Product Range</b>         | <b>LTP - EXD Type Flameproof Barrier Gland (NPT Threads)</b>                    |

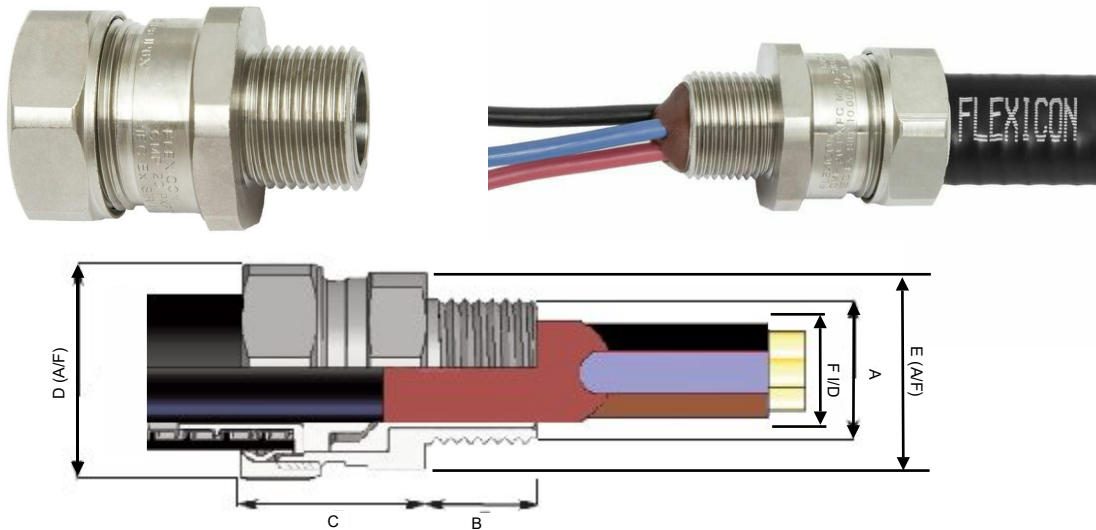
**FLEXICON**  
 FLEXIBLE CONDUIT SOLUTIONS  
 Roman Way, Coleshill  
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 Tel: 00 44 (0)1675 466900  
 Website: www.flexicon.uk.com

MADE IN THE UK

bsi  
UKAS  
FM58347

**For use with the following Conduits:**

LTP, LTPAS, LTPHC, LTPLFH, LTPUL, LTPSS, LTPPU, LTPPUAS, LTBRDP, LTBRDLFH.



**Material:**  
 Nickel Plated Brass with inner Compound Barrier Nylon compression seal

**Colour:**  
 Self colour

**IP Rating:**

|      |      |               |      |
|------|------|---------------|------|
| IP66 | IP67 | IP68<br>5 bar | IP69 |
|------|------|---------------|------|

**Applications:**

For indoor or outdoor use in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous Areas with all types of cables housed in Liquid Tight flexible conduit systems.

Suitable for plain holes or threaded entries. Nickel plated brass compression fitting comprising of body, nut, insert, pot, cap, nylon compression seal and compound barrier. The compound barrier seals around the cable conductors. The insert is manufactured in machined nickel plated brass to facilitate easy assembly and re-use. Also ensures high mechanical strength and electrical continuity.

**Features:**

- High tensile strength
- Oil resistant
- Corrosion resistant
- Conforms to EN 61386
- Suitable for use with all Flexicon Liquid Tight conduits

Metric threads and Stainless Steel versions available on request

**Temperature Performance:**

-60°C to +85°C

| Conduit Size | Part No.      | NPT Thread | Dimension (mm) |    |         |         |    |
|--------------|---------------|------------|----------------|----|---------|---------|----|
|              |               | A          | B              | C  | D (A/F) | E (A/F) | F  |
| 16           | LTP16-050-EXD | 1/2"       | 20             | 32 | 29      | 29      | 13 |
| 20           | LTP20-050-EXD | 1/2"       | 20             | 32 | 29      | 29      | 13 |
| 25           | LTP25-075-EXD | 3/4"       | 20             | 34 | 33      | 33      | 18 |
| 32           | LTP32-100-EXD | 1"         | 25             | 37 | 40      | 40      | 24 |
| 40           | LTP40-125-EXD | 1 1/4"     | 26             | 48 | 50      | 50      | 31 |
| 50           | LTP50-150-EXD | 1 1/2"     | 26             | 47 | 58      | 58      | 38 |
| 63           | LTP63-200-EXD | 2"         | 27             | 47 | 70      | 70      | 45 |

- Group I and Group II approvals
- Can be used in zone 1, zone 2, zone 21 and zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)

**Typical Applications;**

- On-shore and off-shore petrochemical and refining plants
- Distilleries
- Paint Spraying Plants
- Flourmills
- Woodworking Machine Plants
- Water Industry
- Petrol forecourt environments
- Pharmaceutical industry

**Compliance, Approvals & Accreditation;**



EN 61386 Classification Available on request

Errors, omissions and amendments excepted. As part of continuing product development Flexicon Ltd reserve the right to alter product specifications without prior notice. Data given is correct at time of compilation. Product specification and application data is for guidance only and does not constitute a warranty of any kind, either expressed or implied for Flexicon products or their suitability for a specific purpose. Third party approvals maybe limited to certain sizes within a product range.

|   |  |                           |                                    |
|---|--|---------------------------|------------------------------------|
| Created by:<br><b>Sarah Lee - Marketing Assistant</b> | Approved by:<br><b>Ian Gibson - Technical Director</b> | Date:<br><b>July 2017</b> | Page Number:<br><b>Page 1 of 2</b> |
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**For use with the following Conduits:**

LTP, LTPAS, LTPHC, LTPLFH, LTPUL, LTPSS, LTPPU, LTPPUAS, LTBRDP, LTBRDLFH.

• **IP rating - IP66, IP67, IP68 (5Bar), IP69**

**Construction and Materials**

• Nickel plated brass compression fitting with nylon compression seal to connect onto any Flexicon Liquid Tight conduit. Supplied with 2 part compound barrier to pack around the cables - assembly instructions included with every gland, or refer to instructional video on our website (www.flexicon.uk.com). Gloves are included.

|                 |   |                            |                        |   |
|-----------------|---|----------------------------|------------------------|---|
| <b>Group I</b>  | <b>ATEX APPROVAL to EN60079-0 2012 + A11:2013</b> | <b>CML Certificate no:</b> | <b>CML 15ATEX1037X</b> |    |
|                 | Ex d Flameproof                                   | Ex d I Mb                  | EN 60079-1 2014        |   |
|                 | Ex e Increased Safety                             | Ex e I Mb                  | EN 60079-7 2015        |   |
| <b>Group II</b> | <b>IECEX APPROVAL to IEC60079-0 2011</b>          | <b>CML Certificate no:</b> | <b>CML 15.0020X</b>    |    |
|                 | Ex d Flameproof                                   | Ex d I Mb                  | IEC 60079-1 2014-06    |   |
|                 | Ex e Increased Safety                             | Ex e I Mb                  | IEC 60079-7 2015       |   |
| <b>Group I</b>  | <b>ATEX APPROVAL to EN60079-0 2012 + A11:2013</b> | <b>CML Certificate no:</b> | <b>CML 15ATEX1037X</b> |  |
|                 | Ex d Flameproof                                   | Ex db IIC Gb               | EN 60079-1 2014        |   |
|                 | Ex e Increased Safety                             | Ex eb IIC Gb               | EN 60079-7 2015        |   |
| <b>Group II</b> | Ex ta Dust Ignition Proof                         | Ex ta IIIC Da IP6X         | EN 60079-31 2014       |  |
|                 | <b>IECEX APPROVAL to IEC60079-0 2011</b>          | <b>CML Certificate no:</b> | <b>CML 15.0020X</b>    |   |
|                 | Ex d Flameproof                                   | Ex db IIC Gb               | IEC 60079-1 2014-06    |   |
|                 | Ex e Increased Safety                             | Ex eb IIC Gb               | IEC 60079-7 2015       |   |
|                 | Ex ta Dust Ignition Proof                         | Ex ta IIIC Da IP6X         | IEC 60079-31 2013      |   |

|                                   |
|-----------------------------------|
| <b>Russian Certificate Number</b> |
| <b>TC RU C-GB.BH02.B.00386</b>    |

|  |         |
|--|---------|
| <b>2 part barrier compound included in pack:</b> |         |
| LTP16-050-EXD                                    | 1 x 15g |
| LTP20-050-EXD                                    | 1 x 15g |
| LTP25-075-EXD                                    | 2 x 15g |
| LTP32-100-EXD                                    | 1 x 55g |
| LTP40-125-EXD                                    | 1 x 55g |
| LTP50-150-EXD                                    | 2 x 55g |
| LTP63-200-EXD                                    | 3 x 55g |

**Other Products available;**

- Metric version
- Stainless steel (grade 316) version

|   |  |                           |                                    |
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