Hazardous area liquid tight conduit solutions
EXE - Increased Safety and Dust Ignition Proof

NEW

properties

- IP Rating: IP66 for Ex e and Ex t applications
- IP Rating: IP67 + IP68 (5 bar) + IP69 for industrial applications
- Material: Nickel Plated Brass
- Suitable for knockouts or threaded entries
- Operating Temperature of fitting -20˚C to +85˚C for Ex e and Ex t applications
- High mechanical strength and electrical continuity
- Operating Temperature of fitting -50°C to +135°C for industrial applications
- 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 e (Increased Safety)
- ATEX and IECEx Ex t (Dust Ignition Protection)
- Vibration and shock resistant to EN61373 Cat 2

Hazardous Area Approvals

Group II			
	ATEX APPROVAL to EN60079-0 2009	**Intertek Certificate no:**	**ITS 14ATEX37958U**
	Ex e Increased Safety	Ex e II Gb	EN 60079-7 2007
	Ex tb Dust Ignition Proof	Ex tb IIIC Da IP6X	EN 60079-31 2009
	IECEx APPROVAL to IEC60079-0 2007	**Intertek Certificate no:**	**IECEx ITS 14.005U**
	Ex e Increased Safety	Ex e II Gb	IEC 60079-7 2006
	Ex tb Dust Ignition Proof	Ex tb IIIC Da IP6X	IEC 60079-31 2008

Offering Ex e (Increased Safety) and Ex t (Dust Ignition Protection) performance with any Liquid Tight Conduits

LTP - EXE

NEW

external thread nickel plated brass
Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66

LTP - EXE - 90

NEW

external thread nickel plated brass
90˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66

LTP - EXE - 45

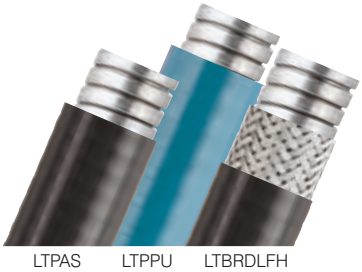
NEW

external thread nickel plated brass
90˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66

nominal size (mm)	metric thread part number	PG thread	NPT thread part number		metric thread part number	metric thread part number
16	LTP16-M16-EXE	LTP16-PG11-EXE	LTP16-050-EXE	(½")	LTP16-M16-EXE-90	LTP16-M16-EXE-45
16	LTP16-M20-EXE	LTP16-PG13-EXE			LTP16-M20-EXE-90	LTP16-M20-EXE-45
20	LTP20-M20-EXE	LTP20-PG16-EXE	LTP20-050-EXE	(½")	LTP20-M20-EXE-90	LTP20-M20-EXE-45
25	LTP25-M25-EXE	LTP25-PG21-EXE	LTP25-075-EXE	(¾")	LTP25-M25-EXE-90	LTP25-M25-EXE-45
32	LTP32-M32-EXE	LTP32-PG29-EXE	LTP32-100-EXE	(1")	LTP32-M32-EXE-90	LTP32-M32-EXE-45
40	LTP40-M40-EXE	LTP40-PG36-EXE	LTP40-125-EXE	(1¼")	LTP40-M40-EXE-90	LTP40-M40-EXE-45
50	LTP50-M50-EXE	LTP50-PG42-EXE	LTP50-150-EXE	(1½")	LTP50-M50-EXE-90	LTP50-M50-EXE-45
63	LTP63-M63-EXE	LTP63-PG48-EXE	LTP63-200-EXE	(2")	LTP63-M63-EXE-90	LTP63-M63-EXE-45

Used with



LTPAS LTPPU LTBRDLFH

or any of the LTP conduit types, see page 98

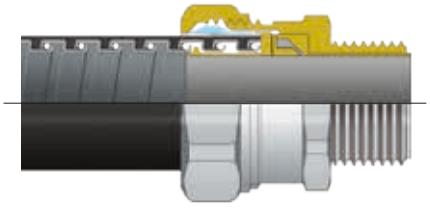
Standards

BS EN IEC 61386

CE 0359

RoHS REACh

Technical Drawing



LTP - EXE

Flexicon
EXD Accessories Range

properties

- ATEX Certification Detail
  IEC Ex Certification Detail
- Continuous Operating Temperature:
  -60°C to +200°C
- Ingress Protection Rating: Up to IP68 when fitted with a suitable Sealing Washer
- Materials: Nickel Plated Brass
- Optional Accessories: Locknut, Serrated Washer, Earth Tag, Sealing Washer. See page 128

Designed to provide a permanent or temporary means of blanking unused cable entry holes in Flameproof enclosures enabling the equipment to be safely deployed in the Hazardous Area. Always inserted from the outside of the enclosure, we have a range of stopping plug options depending on the required installation method.

Accessories

Our range of thread converters and adaptors are designed for both Industrial and Hazardous Area applications with Ex "d", Ex "e" and Ex "ta" component approval.

Available with male to female connection threads these products can be used to increase, reduce or convert the thread type.

Thread convertor – converts a thread from one specification to another. i.e. Metric to NPT or Metric to PG

Thread adaptors – reduces a male thread to a smaller female thread. i.e M20 to M16 or enlarges a male thread to a larger female thread. i.e. M16 up to M20.

Technical Data	
ATEX Directive Code	I M2/II 2 G D/II 1 D
ATEX & IECEx Protection concepts	Ex db I/IIC Mb/Gb; Ex eb I/IIC Mb Gb; Ex ta IIIC Da
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

Note: Only one thread convertor or adaptor is allowed between the enclosure entry and the Flexicon gland or fitting

EXD Thread Converters and Adaptors

NEW

Our thread converters are Nickel Plated Brass as standard.

Internal **Metric** to External **Metric**

Male Thread - External	Female Thread - Internal M16	M20	M25	M32	M40	M50
M16		B-M16-M20-EXD				
M20	B-M20-M16-EXD		B-M20-M25-EXD			
M25		B-M25-M20-EXD		B-M25-M32-EXD		
M32			B-M32-M25-EXD		B-M32-M40-EXD	
M40				B-M40-M32-EXD		
M50				B-M50-M32-EXD	B-M50-M40-EXD	
M63					B-M63-M40-EXD	B-M63-M50-EXD

Internal **Metric** to External **NPT**

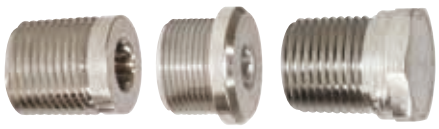
Male Thread - External	Female Thread - Internal M20	M25	M32
½"	B-050-M20-EXD		
¾"	B-075-M20-EXD	B-075-M25-EXD	
1"			B-100-M32-EXD

To obtain Adaptor & Reducer nominal dimensions, follow the steps below:- Step 1 - Select male thread by consulting the left hand column of the table. **Step 2** - Select the female thread size by consulting column headings at the top of tables, and by cross referencing this with the selection in step 1. Please note that the data in the tables above includes Adaptors and Reducers that are certified for use in Hazardous Areas.

EXD Stopping Plugs

NEW

Our stopping plugs are Nickel Plated Brass as standard.



Size Range	Standard	Dome Head	Hex Head
M16	B-M16-SP-EXD	B-M16-DSP-EXD	B-M16-HSP-EXD
M20	B-M20-SP-EXD	B-M20-DSP-EXD	B-M20-HSP-EXD
M25	B-M25-SP-EXD	B-M25-DSP-EXD	B-M25-HSP-EXD
M32	B-M32-SP-EXD	B-M32-DSP-EXD	B-M32-HSP-EXD
M40	B-M40-SP-EXD	B-M40-DSP-EXD	B-M40-HSP-EXD
M50	B-M50-SP-EXD	B-M50-DSP-EXD	B-M50-HSP-EXD
M63	B-M63-SP-EXD	B-M63-DSP-EXD	B-M63-HSP-EXD

Tamperproof

The tamperproof stopping plugs can be installed or removed using an allen key. We offer standard stopping plugs or Dome Head type allen key stopping plugs.

Technical Data - Dome Head and Tamperproof Stopping Plugs	
ATEX Directive Code	I M2/II 2 G D/II 1 D
ATEX & IECEx Protection concepts	Ex db I/IIC Mb/Gb; Ex eb I/IIC Mb Gb; Ex ta IIIC Da
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

Hex Head

The Hex head stopping plugs can be installed or removed with a standard open ended or ring type spanner or wrench.

Technical Data - Hexagon Head Stopping Plug	
ATEX Directive Code	I M2/II 2GD
ATEX & IECEx Protection concepts	Ex e I Mb, Ex e IIC Gb; Ex tb IIIC Db
IEC Ex Code of Protection Category	Ex d I / Ex e I / Ex d IIC / Ex e II, Ex tD A21 IP6X
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

Ex e and Ex t approvals