



**5.0 FST Closures**

**5.1 FST Closures**

13 Port	116
4 Port	117

# 5.1 FST Closures

## Introduction

The FST is a compact cap-ended ready access fibre optic splice closure for use in aerial, underground and directly buried installations.

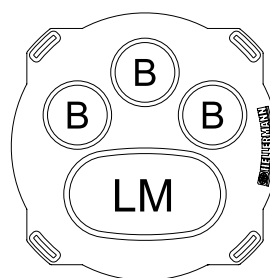
Its small size, port flexibility and value makes the FST popular for splicing low fibre count distribution cables in FTTH, FTTK, trunk and campus networks, CATV and CCTV installation.

There are 2 base configurations available with the FST, a 4 port and 13 port base, which offer 3 or 12 round ports and 1 oval port for loop through applications.

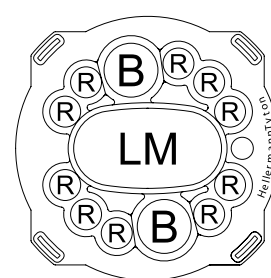
The cover is environmentally sealed to the base using a rolling 'O' ring. The cable entry/exit points in the base are environmentally sealed using either Cablelok mechanical seals or heatshrink sleeves depending on the base selected.

### Features and Benefits

- Ideal for FTTH, FTTK, trunk and campus networks, CATV and CCTV installation
- 2 base configurations offering 3 or 12 round port and 1 oval port (for loop through cable)
- Suitable for blown fibre/cable applications
- Accommodates up to 3 Hellapon Small trays
- Fibre Loop Storage Basket available with Hellapon Small 1 tray version
- Cablelok compatible for all port sizes
- For use in underground, direct burial and aerial applications
- Wall mounting bracket (see Chapter 13 - Accessories)



FST 4 Port Base Configuration



FST 13 Port Base Configuration (Cablelok only)

Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
LM	1	2 x 4.0 – 15.0	2 x 8.0 – 22.0
B	2 or 3	4.8 – 16.5	6.0 – 19.0
R	10	1.7 – 9.5	-

HellermannTyton closures with a tubing fibre management system are supplied in standard configurations, with fibre management and splice trays included, ready to use.

Port seals (Cablelok and heatshrink) and accessories (e.g. mounting brackets) must be ordered separately. HellermannTyton also offer a range of additional splice options including Crimp / ANT. For further details refer to Chapter 12.

Splice Type	Cover Reference	Closure Width (mm) D1 X D2	Closure Length (mm) L	Hellapon Small	
				Single Tray Quantity	Max Splice Capacity
3A	A	110 X 110	310	3(1) ‡	36
ANT	A	110 X 110	310	3(1)	72

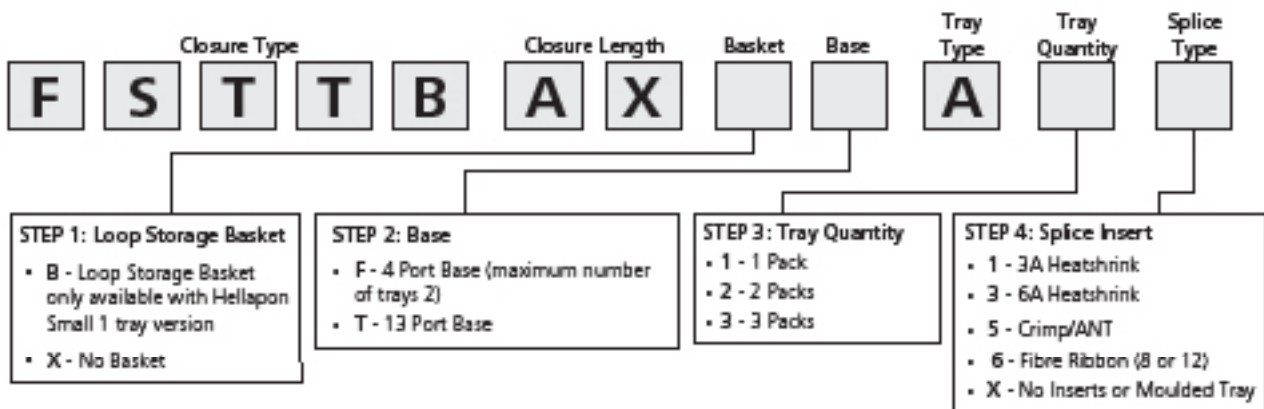
‡ (tray pack ordering multiple).

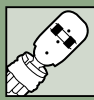
## Part Number Identification

Identifying the correct part number is a simple process:

- STEP 1** Decide if a loop storage basket is required - loop basket is only available with Hellapon Small 1 tray option.
- STEP 2** Decide the number of ports required.
- STEP 3** Select tray quantity.
- STEP 4** Select splice insert type.

For additional information on tray types, splice protectors and splice capacity please refer to Chapter 12.





### FST 13 Port Closures

#### A Length

#### Features and Benefits

- Maximum 36 fibre splice capacity
- 12 round ports and 1 oval port
- Fibre storage basket for loop through applications (Hellapon Small 1 tray version only)
- Accommodates Hellapon Small trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok compatible for all port sizes
- Quick release cover



FST 13 port Closure with 1 Hellapon Small Tray and Basket

FST / MRBU Closure Cover

FST 13 Port with 1 Hellapon Small Tray and Basket

FST 13 Port Base Configuration

#### Technical Description

The FST 13 Port closure is supplied with a Polypropylene base. The base configuration of 12 round ports and 1 oval port covers a cable diameter range of 1.7 – 16.5mm when using Cablelok mechanical seals.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate a maximum of 3 Hellapon Small trays or 1 Hellapon Small tray and basket giving a maximum of 36 fibre splices based on 12 splices per tray. The fibre basket provides storage space for

the storage of fibre loops within the closure.

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre on to the trays.

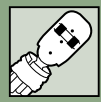
The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system and on to the trays.

TYPE	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Basket Size	Article-No.
FSTTB-AXBTA11	110	110	310	Cablelok, Heatshrink	Hellapon Small	1	3A	Small	857-00618
FSTTB-AXXTA21	110	110	310	Cablelok, Heatshrink	Hellapon Small	2	3A	-	857-00617
FSTTB-AXXTA31	110	110	310	Cablelok, Heatshrink	Hellapon Small	3	3A	-	857-00619

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

#### Content of Set/Kit

- FST 13 Port Base
- Anchor Ring
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket (1 tray version only)
- Tray Support Frame
- Anchor Fixing Kit (2)
- Tray Tool (3 tray version only)
- Hook and Loop Tray Securing Strap (3 tray version only)
- Transportation Tubing
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide
- Marker Kit
  - Red Marker 1 - 12
  - Green Marker 1 - 12



### FST 4 Port Closures

#### A Length

#### Features and Benefits

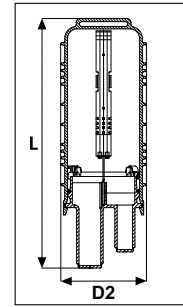
- Maximum 24 fibre splice capacity
- 3 round ports and 1 oval port
- Fibre storage basket for loop through applications (Hellapon Small 1 tray version only)
- Accommodates Hellapon Small trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok compatible for all port sizes
- Quick release cover



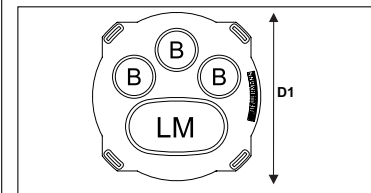
FST 4 Port Closure with 2 Hellapon Small Trays



FST / MRBU Closure Cover



FST 4 Port Closure with Hellapon Trays



FST 4 Port Base Configuration

#### Technical Description

The FST 4 Port closure is supplied with a Polypropylene base. The base configuration of 3 round ports and 1 oval port covers a cable diameter range of 4.0 – 16.5mm when using Cablelok mechanical seals and 6.0 – 22.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate a maximum of 2 Hellapon small trays or 1 Hellapon small tray and basket giving a maximum of 24 fibre splices

based on 12 fibres per tray. The fibre basket provides storage space for the storage of fibre loops within the closure.

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre on to the trays.

The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system and on to the trays.

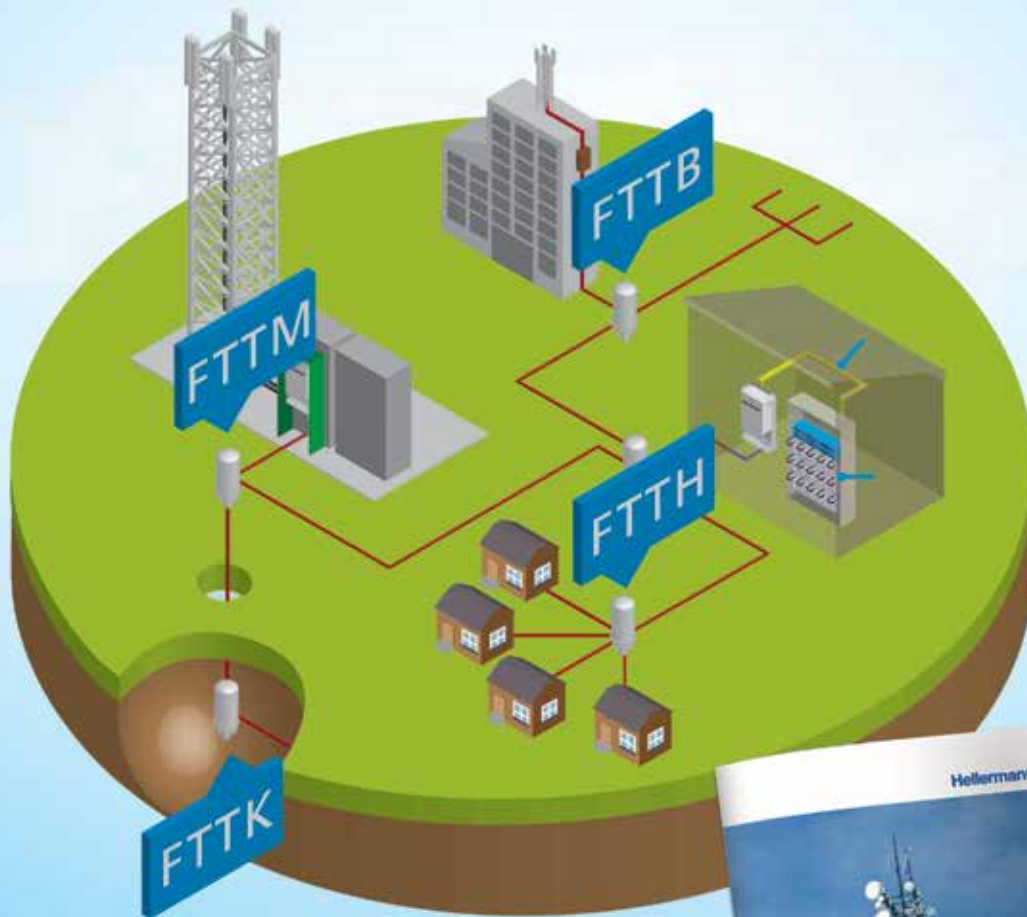
TYPE	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Basket Size	Article-No.
FSTTB-AXBFA11	110	110	310	Cablelok, Heatshrink	Hellapon Small	1	3A	Small	857-00616
FSTTB-AXXFA21	110	110	310	Cablelok, Heatshrink	Hellapon Small	2	3A	-	857-00615

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

#### Content of Set/Kit

- FST 4 Port Base
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket (1 tray version only)
- Tray Support Frame
- Anchor Fixing Kit
- Transportation Tubing
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide
- Marker Kit
  - Red Marker 1 - 12
  - Green Marker 1 - 12

## Fibre to the Mast Solutions



**HellermannTyton broadband products** can be found in all FTTX applications including Fibre to the Home (FTTH), Fibre to the Kerb (FTTK), Fibre to the Mast (FTTM) and Fibre to the Building (FTTB).

**HellermannTyton broadband products include:**

- FST - Small Fibre Optic Closure
- IR Enclosures - Street Cabinet Fibre Splicing Enclosure
- FML - Mid Sized Fibre Optic Closure
- FDN – Mid Sized Multi-Drop Fibre Optic Closure
- UFC – Large Sized Fibre Optic Closure
- Connectorised Closures - Pre-configured with Fibre Connectors
- RapidNet - Pre-terminated Fibre Solution
- LightGuide 2 - Fibre Optic Ducting System



For more on our Fibre to the Mast (FTTM) Solutions download our brochure at

[htdata.co.uk](http://htdata.co.uk)

Stay in touch with us!

