

Description

Innovative design GPJ-8020 is an arc and horizontal type with one hinge in one side and open in another side. Two pieces of insert plates and fixing bolts are used to fix and seal FOSC. The FOSC is suitable for protecting fiber cable splices in straight-through and branching applications. It can be placed in underground, aerial, wall-mounting, handhole-mounting and duct-mounting applications. Based on an advanced formula, the plastic parts are made of injection-molded, high-strength engineering plastic PC by numerical control equipment, therefore effectively prevent products from aging caused by coldness, heat, oxygen and ultraviolet radiation. The strong housing and main components provide fire resistant, waterproof and quakeproof while protecting splice closure during pulling, torsioning and impacting. It ensures long term reliability and usage under ambient temperature from -40°C to $+65^{\circ}\text{C}$.



GPJ-8020 in full view

Feature

- ◆ Up-down bisection, horizontal type
- ◆ 6 pcs inlet/outlet
- ◆ 96~144 cores total capacity for bunchy
- ◆ Slide-in-lock design, over 90° opening angle tray
- ◆ Elastic integrated seal and hoop ensure tightening fit
- ◆ Housing provide fire resistant, waterproof, and quakeproof for splices while handling
- ◆ Operating Temperature: $-40\sim+65^{\circ}\text{C}$

Structure

All of the above features make it more easy and convenient for installation, maintenance and reuse. If required, the earthing deriving device can be installed on the housing of FOSC for deriving metallic parts of fiber cable for earthing connection. Pressure testing valve can be installed as well for pressure testing and sealing testing after injecting air.



GPJ-8020 cutaway view

GPJ-8020 consists of one set of elastic seal fitting, our company patent product, which based on an advanced formula, is made of injection molded, high quality elastic sealing material by numerical control equipment. It is installed between FOSC housing and insert plates. Under ambient temperature from -40°C to $+65^{\circ}\text{C}$, it can be shrinking and dilating to ensure long term sealing performance of FOSC. It also ensures good re-sealing performance after reuse for many times. Elastic integrated seal fitting is a new breed in China and

advanced internationally.



GPJ-8020 seal fitting



GPJ-8020 insert plate

Sealing is achieved by using 2 pieces of innovative insert plates and bolts, therefore easy for installation. The most strongpoint is that the insert plates and housing are made of injection molded, high strength engineering plastic PC by numerical control equipment; They, together with elastic seal fitting, can be shrinking and dilating at the same rate under violent changes of ambient temperature, therefore the closure ensures long term reliability and sealing performance.



tray 018

tray018:(LxWxH:160mmx122mmx7.5mm)



tray 002

tray002:(LxWxH:160mmx122mmx10mm)



tray 004

tray004:(LxWxH:200mmx127mmx14mm)

◎ The capacity of bunch FOST 018 is 12 cores;

◎ The capacity of bunch FOST 002 is from 12 to 24 cores;

Quantity of bunch FOSTs and heat shrinkable protective sleeves are to be determined according to the total capacity of the FOSC.(Note: each bunch fiber has one core after fusion splicing, which needs one piece of bunch heat shrinkable protective sleeves.)

◎ Ribbon FOST 004 can accommodate 6 pieces of ribbon heat shrinkable protective sleeves.(Note: each ribbon fiber has multi-cores after fusion splicing)

Type	Unit	Fiber Optic Splice Tray(FOST) (including heat shrinkable protective sleeve)	Total capacity(cores)
GPJ-8020 I (bunch)	Set	FOST with 12 cores (1-8 pieces of FOST 018)	96 cores
GPJ-8020 II (bunch)	Set	FOST with 12-24 cores (1-6 pieces of FOST 002)	72-144 cores
GPJ-8020 III(ribbon)	Set	FOST with 6 pieces of ribbon heat shrinkable protective sleeve (1-4 pieces of FOST 004)	288 cores

General

- ◆ Dimension: 455(L)*220(W)*132(H) mm
- ◆ Inlet & outlet: 6pcs

Application

- ◆ Installation: aerial, underground, wall, hand-hole and duct-mounting

Other information

1. GPJ-8020 consists of one set of elastic seal fitting with 6 inlet/outlet ports, diameter of 2 ports is 23mm, diameter of other two ports is 20mm, diameter of remaining two ports is 16mm. The inlet/outlet ports could be decided according to quantity and diameter of fiber cables to be actually installed, then the corresponding port plugs should be taken out. Max. 6 pieces of fiber cable can be inserted.
2. GPJ-8020-III can accommodate 1~4 ribbon FOSTs with 6 pieces of ribbon heat shrinkable protective sleeve per tray. 4 core, 6 cores, 8 cores or 12 cores per ribbon heat shrinkable protective sleeve are available for customers' selection. The following can be configured according to capacity of FOSC and number of cores of each ribbon fiber of fiber cable to be actually installed.
 - ◎ quantity of ribbon FOST.
 - ◎ quantity and number of cores of ribbon heat shrinkable protective sleeve.In this case, buffer tube is necessary to be ordered and can hold Max. 3 pieces of ribbon fibers.
3. The installation accessories provided with the FOSC: seal tape, insulation tape, 3 pieces of special wrench, hanging hook, abrasive cloth, earthing wire, nylon tie, labeling paper, measuring paper, desiccant. (please refer to the Installation Accessories).
4. Accessories for customer's selection: earthing deriving device, buffer tube for ribbon fiber, buffer tube for bunch fiber and pressure testing valve. (please refer to the Installation Accessories).