

Fibre Optic Dome Splice Closure

(OPT-DMAX288-MECH)



DESCRIPTION

Optifab's MECH series Dome closures benefit from a mechanical cable sealing system for ease installation and re-entry. The cable seals have a unique rubber buffer system, available for varied fibre cable diameters, especially suited for FTTx and outside plant applications. The Dome is manufactured from high impact plasticizing materials, together with stainless steel and silicone accessories, overall the closure provides practical splicing solutions.

The varied silicone rubber sealing options are designed for use with any cable construction (loose tube, buffer, central core tube, and ribbon), in most environments (aerial, pedestal, direct burial, manhole), and for numerous splice applications (express, tap-off, branch, and repair). The vulcanized sealing rubber plugs can be customized for suit various fibre cables.

FEATURES:

- Manufactured from plasticizing materials and chemical agents to improve, ageing resistance & ultraviolet radiation for, increase of service life.
- Base-to-dome seals are of a mechanical nature for ease of installation and re-entry.
- The splice trays are hinged for accessibility.
- Inner metallic and fixing parts are made of stainless steel
- No special tools are needed to open the closure, and it can be opened and used repeatedly.

TECHNICAL PARAMETER:

- Working temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Atmospheric pressure: 70 -106 Kpa
- Axial tension: $> 1000\text{N}/1\text{min}$
- Tensile resistance: $2000\text{N}/10$ square centimeter (1 min)
- Insulation resistance: $> 2 \times 10^4 \text{M}\Omega$
- Voltage intensity: $15\text{KV}(\text{DC})/1$ min, no arc-over or breakdown
- Temperature cycle: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$, Inner pressure: $60 (+5)\text{kPa}$, over 10 Cyclic tests, the decrease of pressure does not exceed 5kPa at room, temperature
- Durability: 20 years
- IP 68

CLOSURE DESCRIPTION:

- **Dome:** It is made by PP alloy with special elements which provide excellent performance in different environments. (anti-UV, anti- corrosive)



- **Base:** The base provides the function for the splicing trays. One large port and 6 round ports. Cable entry/exit port options are available depending on cables being used.



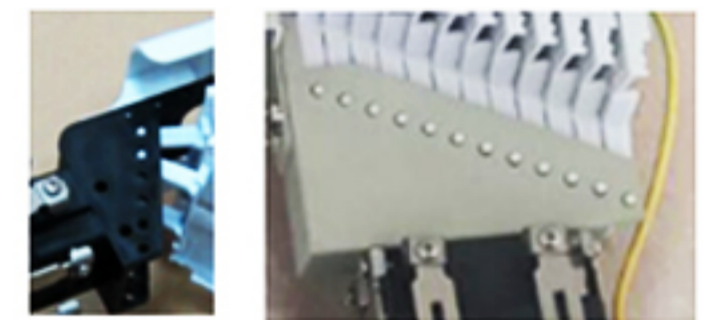
Optional Rubber Plug dia:

- For the large oval ports:
2 holes with dia. ϕ 20mm
2 holes with dia. ϕ 8~12.8mm
- For the Smaller round ports:
1 hole with dia. ϕ 10~14 mm
1 hole with dia. ϕ 14~18mm
1 holes with dia. ϕ 18~21mm
8 holes with drop cable dia. ϕ 2mm

- **Snap Lock Closing Ring:** consists of a rubber ring and closing hook. The hook is made by PP alloy with reinforced nylon.



- **Tray Tower:** Two mounting bracket are available option for 6 trays or 24 trays lying in the same direction.



- **Fibre Cable Strength Member System:** The central member of each individual cable can be attached at this point. Whatever main cable, or branch cables, including FTTx cables.



- **Grounding device:** A sealed grounding device can be pre-mounted in the base to connect metallic components to an external ground.



- **Flash test valve:** It is optional kits, made by plastic material.

PARAMETER	SPECIFICATION
Materials	Dome and base: PP alloy (Optional) Tray: ABS
Size	590.7x dia. 240mm
Max capacity	12 x Splice Tray, 24 splices per Tray to a max of 288fibres(single fibres)
Max capacity of tray	24 fibers (single fibers)
Sealing method	Mechanical sealing
Splitter	Available micro splitter, box-type splitter. Customized
Position of splice	Middle of Tray
Using Environment	Aerial, burial, pipe-lined, manhole
Outlet and inlet	One large oval port (with two round ports) and 6 round ports