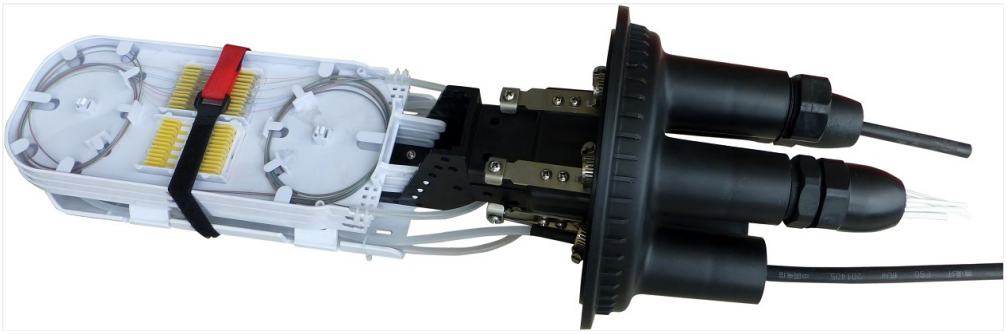
MECHANICAL ENCLOSURE GJS03-M8AX-JX



1.1 Introduction:

This product is used to connect the distribution cable and the incoming cable, is widely applied in communication, network systems, CATV cable TV and so on. It adopts scientifically formulated engineering plastic and be shaped by injection molding, with anti-aging, anti-corrosion, flame retardant, waterproof, anti-vibration and anti-shock effects. Can effectively prevent the optic fibers from the influence of outdoor environment.

Dome-to-base design; up to 6 splice trays, hinge for access of any splice without disturbing the others; Fast and reliable sealing performance, easy to package multiple times. With lightning protection grounding device, it can be applied in overhead, pole/wall mounting or direct burial.

1.2 Specification:

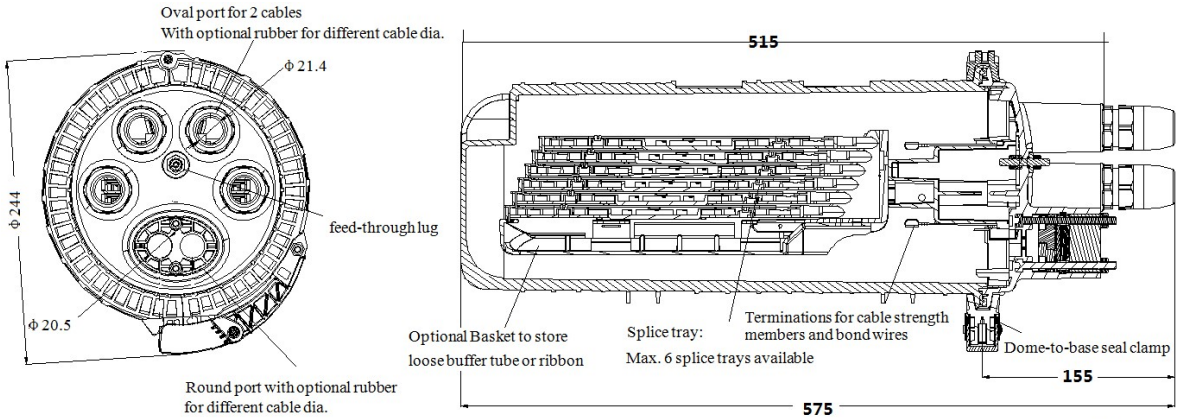
Model:		**GJS03-M8AX-JX-144**	
Size:	575*244 mm	Raw material	Dome, clamp, base：modified PP +GF Tray: ABS Metal parts：Stainless steel
Entry ports number:	1 oval port， 4 round ports	Available cable dia.	Oval port：available for 2 pcs cable, with optional rubber for different cable dia. Round ports：includes optional seal rubber for different cable dia.
Max. tray number	6 trays	Base sealing method	Mechanical
Tray capacity：	24F	Applications:	Aerial, directly buried, Wall/ pole mounting
Max. closure splice capacity	144 F	IP grade	68

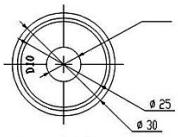
1.3 Order Guidance:

GJS03-M8AX-JX -144

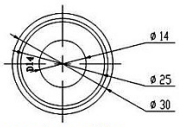
- AX: splice in the tray middle
- JX: Mechanical seal base, with optional seal kits for round ports:
  - D10 rubber for 8~10 mm cable.
  - D14 rubber for 10~14mm cable.
  - D18 rubber for 14~18mm cable
  - D21 rubber for 18~21 mm cable.
  - 8 holes rubber for 8pcs 2*3mm drop cables
  - 4 holes rubber for 4pcs 5~7mm cables.
- 144: splice capacity: each tray to splice 24F , max. 6 trays

1.4 Outer Structure

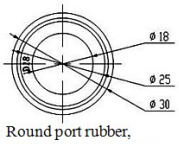




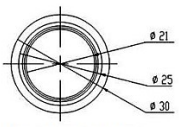
Round port rubber,
cable dia. 8 to 10mm



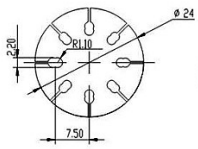
Round port rubber,
cable dia. 10 to 14mm



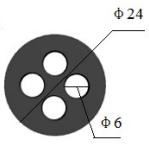
Round port rubber,
cable dia. 14 to 18mm



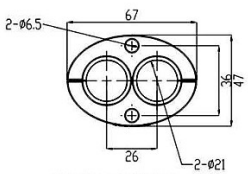
Round port rubber,
cable dia. 18 to 21mm



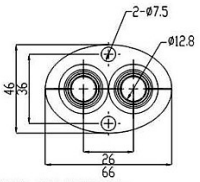
Round port rubber,
8pcs 2*3 drop cables



Round port rubber,
4pcs 5-7 drop cables



Oval port rubber,
for 2pcs 20mm cables

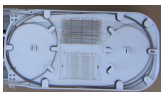


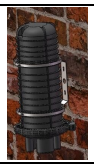
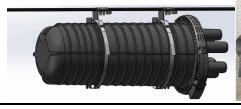
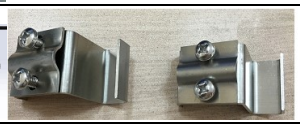
Oval port rubber,
for 2pcs 8-12.8mm cables

1.5 Technical Parameter:

1. Working Temperature: -40 degrees centigrade~+65 degrees centigrade
2. Atmospheric Pressure: 62~106Kpa
3. Axial Tension: >1000N/1min
4. Flatten Resistance: 2000N/100 mm (1min)
5. Insulation resistance: >2*104MΩ
6. Voltage Strength: 15KV(DC)/1min, no arc over or breakdown
7. Temperature recycle: under -40℃~+65℃，with 60(+5) Kpa inner pressure, in 10cycles; Inner pressure shall decrease less than 5 Kpa when closure turn to normal temperature.
8. Durability：25 years

1.6 Main components:

Name	Qty	Picture	Name	Qty	Picture
Dome	1pc		Tray	Max. 6 pcs	 RQP-32-24c
Clamp	1pc		Valve	1	
Base	1pc		Modified O-ring	1	
Cable Strengthen member attach plate	1set		Velcro strip with one X flake	1	
optic joints protection tube	Max. 144		Ground feed-through lug	1	
Storage basket	1		Round port blocker	4	
Round Port accessories bag	4 pcs		Oval port accessories bag	1bag	
Cleaning tissue	1		Desiccant	1	
Nylon tie	12pcs/bag	Max. 3bags.	Transparent PE tube	8pcs/bag	Max. 3bags.

Wall mounting kits	1 Standard offered with	
Aerial mounting kits	Order as optional	  +
Pole mounting kits	Order as optional	2pc + 4pcs

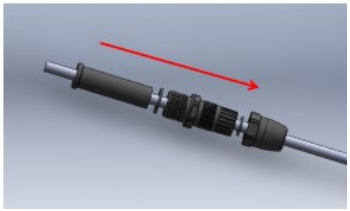
1.7 Installation Instructions

1.7.1 To open the round and oval port

1.Use the wrench to screw off the gland type round ports, and take off the port blocker

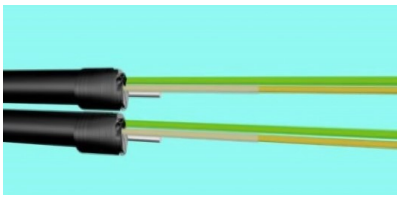
2. Use the M6 hex nut wrench to screw off the screw then take off the oval ports accessories

1.7.2 Inlet cable from round port

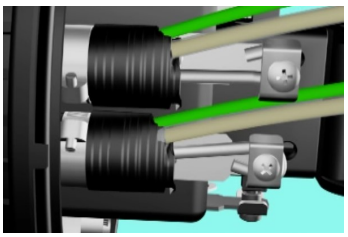


1. Put the round ports sealing devices through the cable orderly in the direction of the red arrow. Then put in the round port.

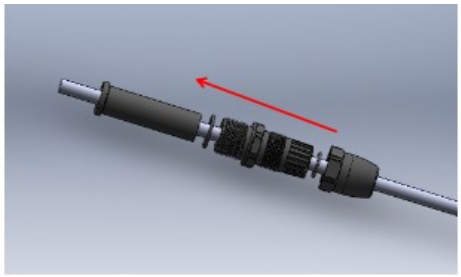
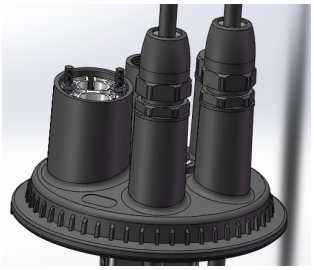
2. Remove the sheath of the cable, clean it, spare 1.1-1.6m optic fibers and 60-70mm cable strength member.
Use pincer pliers to bend the cable strength member into a hook shape.



3. Put the transparent bare cable protective tube through the optic fiber and wrap the PVC tape on the joints of bare cable tube and cable sheath.

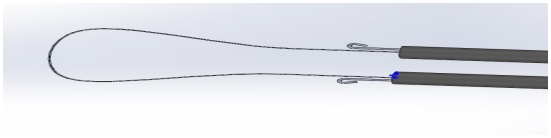


4. Fix the cable on the hose clamp and tighten the screw to fix the cable strength member.

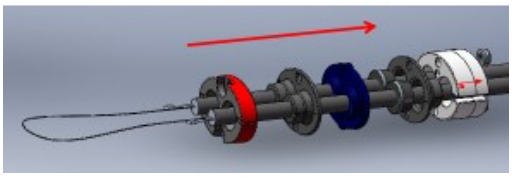



5. Put the round ports sealing devices into the round port and screw up the round port.

1.7.3 Inlet cable from oval port



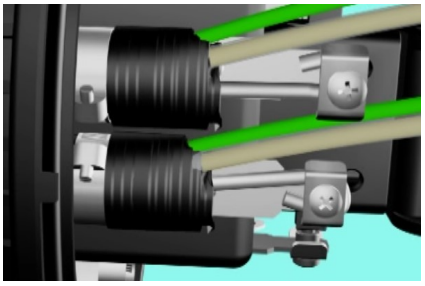
1.Remove the sheath of the cable, clean it, spare 2.5-2.8 m optic fibers and 60-70mm cable strength member. Use pincer pliers to bend the cable strength member into a hook shape.



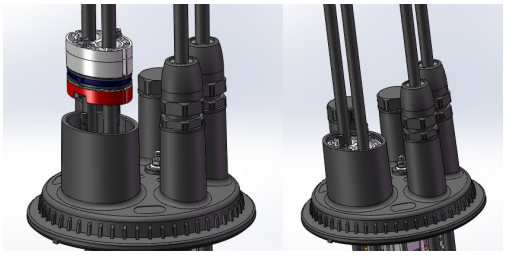
2.Put the oval ports sealing devices through the uncut cable orderly in the direction of the red arrow. The silicon rubber and gel rubber shall cut on sides with the art knife to put on the uncut cable. Then put in the oval port.

3.Cut in the middle of the splice and fusion optic fibers

4.Put the bare cable protective tube through the optic fiber and wrap the PVC tape on the joints of bare cable tube and cable sheath.

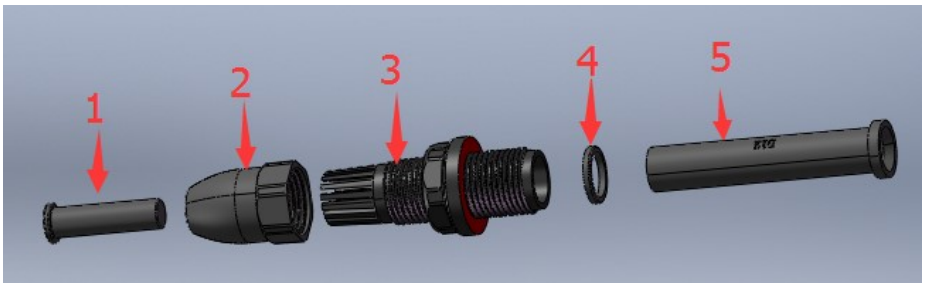


5.Fix the cable on the hose clamp and tighten the screw to fix the cable strength member.



6.Put the oval ports sealing devices into the oval port and screw up the oval port.

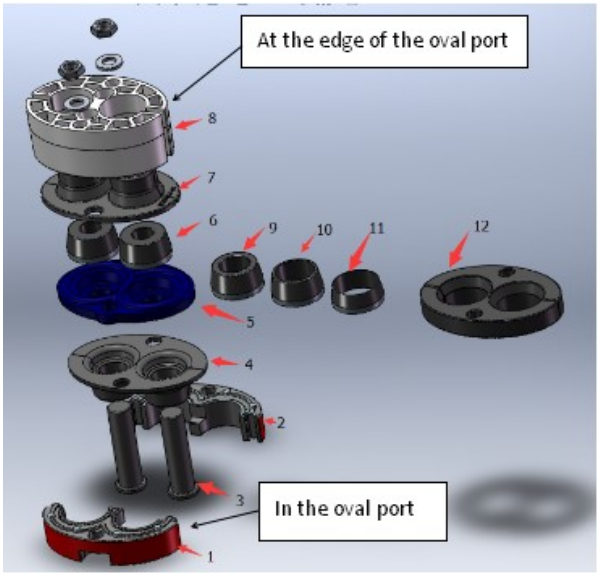
1.7.4 Round Ports Components & Installation Diagram



1.Entry port blocker
2. Cable press cap
3. Cable dia. adjust part
4. Gasket
5. T shape silicon sealing rubber

Notes:
1. Attention to the T shape rubber when installation, If displaced, deformed or twist, shall re-install the rubber.
2. Choose the T shape rubber according to cable dia.

1.7.5 Oval port accessories & Installation Diagram.



1.Left crescent plastic washer
2. Right crescent plastic washer
3. Entry port blocker
4. Conical double-hole variable diameter rubber plugs
5. Conical double gel plugs
6. Conical single-hole variable diameter rubber plug (optional size: 9, 10, and 11)
7. Conical double-hole variable diameter rubber plug (same accessories as item 4)
8. Oval port washer
9. Z-14 conical variable diameter plug
10. Z-18 conical variable diameter plug
11. Z-21 conical variable diameter plug
12. Closure conical double-hole rubber plug

Cable Dia. 18~10 mm installation process:

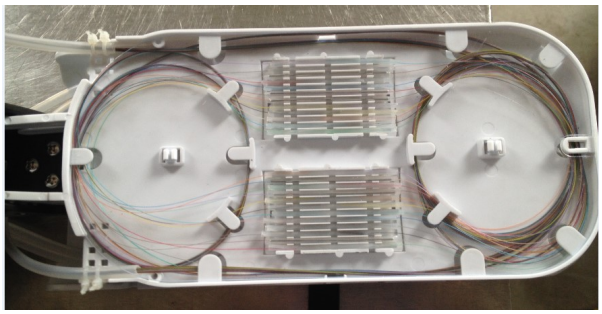
Accessories install order:
1) Use accessories 1 & 2 to clock the cable, and put it in the oval port
2) put the cable in the slots of accessory 3) Repeat step two to install the accessory
4) Choose the proper conical variable diameter plug from accessories 6, 9, 10 according to cable dia. And put the cable in the plug slots
5) Repeat step two to install the accessory but note install on an opposite direction (item 7 is item 4 in opposite direction)
6) Put the cable through accessory 8 and tighten the screws.

Cable Dia. 21 mm installation process:

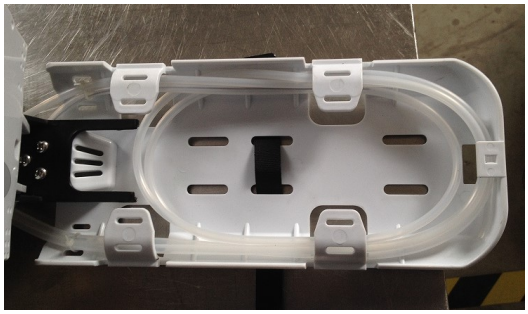
Accessories install order: same as above cable dia. 18~10mm install way, just change the accessories for D-21mm use
Notes: every accessory shall be close to each other.

1.7.6 Fiber tray & Storage tray installs way

Tray RQP-32-24C splicing



Storage bracket



1.7.7 Installing the enclosure

Clean the closure and put the spare desiccant and transparent tube in the empty place of the closure for re-installation. Lock the closure with clamp and screws.

Several installation conditions as bellow,

Pole mounting

Aerial

Wall mounting