

# T240

## The strongest link in fiber.



[tykoflex.com/products/t240](https://tykoflex.com/products/t240)



A photograph of a paved road winding through a dense forest of evergreen trees heavily laden with snow. The sky is overcast and grey. Power lines run across the upper left portion of the image. The road curves to the right in the distance, where a small yellow warning sign is visible on the right shoulder.

# In your network, failure is not an option.

Fiber connections must perform reliably for decades - across harsh environments, critical infrastructure, and evolving network demands. They must withstand time, stress, and the realities of the field without compromising performance or requiring unnecessary intervention. That is exactly what T240 is built for.

## Proven in Nordic harsh environments since 1996

Field proven for more than 40 years in critical infrastructure projects ranging from telecom networks, railway installations and energy grids.

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## Lowest lifetime cost

Designed in stainless steel to minimize repairs, replacements, and downtime, delivering the lowest total cost of ownership; decade after decade.

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## Superior flexibility

A modular design that allows capacity to be expanded, configurations to be changed, and new cable types to be added over time without redesign or replacement.

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# Ideal for many applications

## OPGW & ADSS

Because the T240 was adapted for OPGW early in its development, many of its solutions are purpose-built for that environment: a sealing system engineered to match the cable's service life; cable seals proven through rigorous laboratory testing and decades of field use; and high-grip cable clamps that withstand tensile and torsional loads.

## Landing points

Our BeachFlex is a T240 model which connects the subsea cable with the land-cable. It is often buried in manholes near the sea.

## Windmills

Our T240 is installed in a significant proportion of the world's wind power plants.

## Substations on- and offshore

With over 40 years of documented durability and performance in the Swedish power grid, the T240 Fiber Closure has demonstrated its reliability and robustness in various challenging environments.



Its reliability has made it a standard choice for European power companies, ensuring the protection and longevity of critical fiber optic networks.

### Defence

T240 is suitable for secure and private networks since it resists tampering and forced entry in exposed locations. For rapid and mobile deployment, Tykoflex offers a quick-connect interface that allows teams to establish a temporary secure fiber link within minutes—either to their on-premises network at a facility or barracks, or to any T240 already installed in public or private infrastructure. Moreover, the T240 is often used as a platform for innovative new technology.

### Telecom backbone

Backbone networks demand flexibility to changing network requirements and proven reliability. Maintenance must be executed without disrupting live traffic. The T240 is used by most telecom operators in Sweden and the Nordics, and its adoption is growing across Europe.





## Why stainless steel matters

The T240 is built from acid-proof stainless steel – a choice that ensures durability, reliability and true sustainability. Compared to plastic closures, stainless steel offers unmatched protection and a proven lifespan of more than 40 years in the field.

### Key advantages of stainless steel vs. plastic design:

**Life Time Value** – Higher initial quality means lower total cost of ownership: No unplanned replacements, less maintenance, and long-term savings.

**Superior strength & security** – Resists cracking, deformation, and external stress. Protects against tampering, vandalism, rodents and pests.

**Unmatched sealing integrity** – IP68/IP69K-rated pressure and vacuum sealing ensures long-term airtight and watertight performance.

**Weather & Fire resilience** – Withstands temperature shifts, moisture, UV radiation, snow, sand storms and even fire risk environments.

**Proven longevity & sustainability** – Designed to last for decades, and fully recyclable and reducing costly replacements.



## Platform for innovation

Traditionally, a fiber closure has one task: protect the fiber connection. Today, critical infrastructure is evolving and the T240 is becoming a starting point for new capabilities.

Traditionally, a fiber closure has one task: protect the fiber connection. But critical infrastructure is evolving. Energy grids, transport systems, and secure networks increasingly require monitoring, sensing, and rapid connectivity in the field.

With its stainless steel design, modular architecture, and decades-long service life, the T240 provides a stable foundation for these capabilities. A T240 acts today as a platform for:

- sensors and monitoring systems
- infrastructure condition monitoring
- temporary fiber access points
- emergency communication links
- distributed sensing technologies

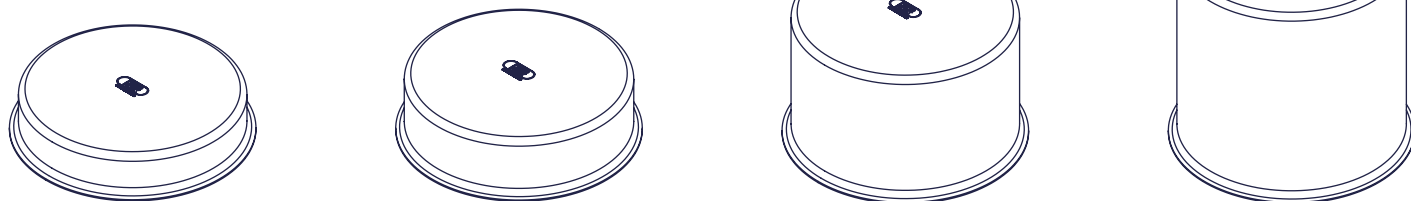
Instead of replacing infrastructure, new capabilities can be integrated directly into the existing network. What once was only a protective enclosure becomes an intelligent node in the infrastructure. A platform for innovation.

# Modular platform

T240 is built from modular building blocks, which can be combined in many ways to solve different situations without re-design.

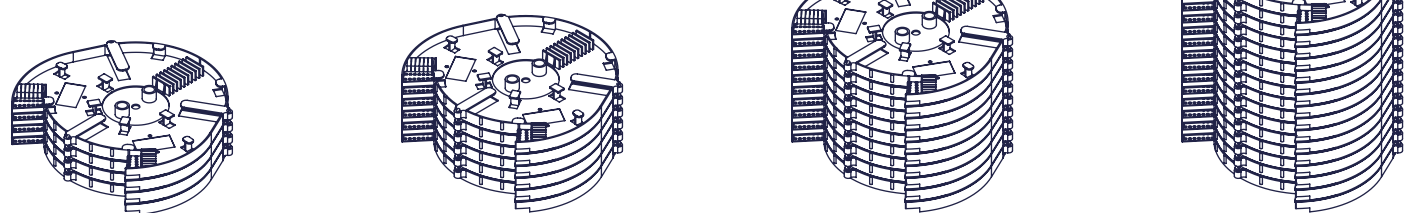
## 1. Lid

The Lid comes in different heights depending on the number of cassettes.



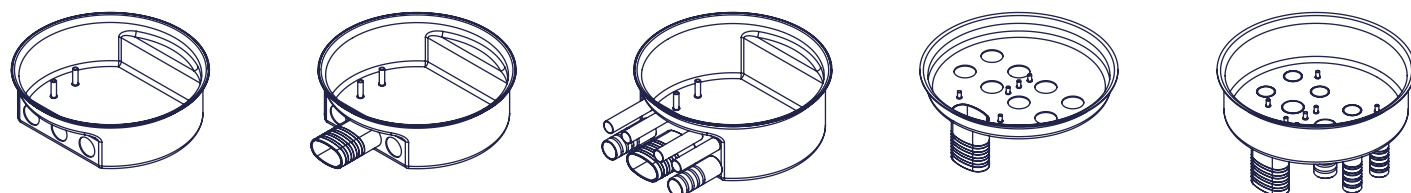
## 2. Splice cassettes

Number of MultiCassettes depending on required splice capacity.



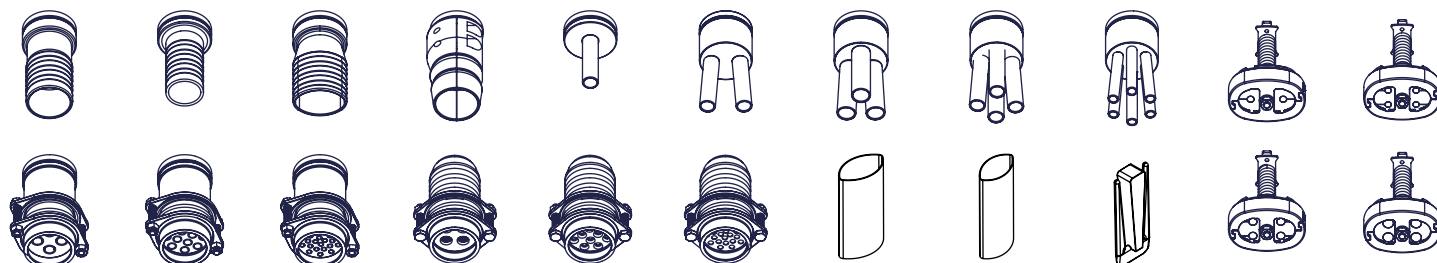
## 3. Bottom part

Each T240 model has a different bottom part to cater for different needs and applications. Below are some of our most common bottom parts.

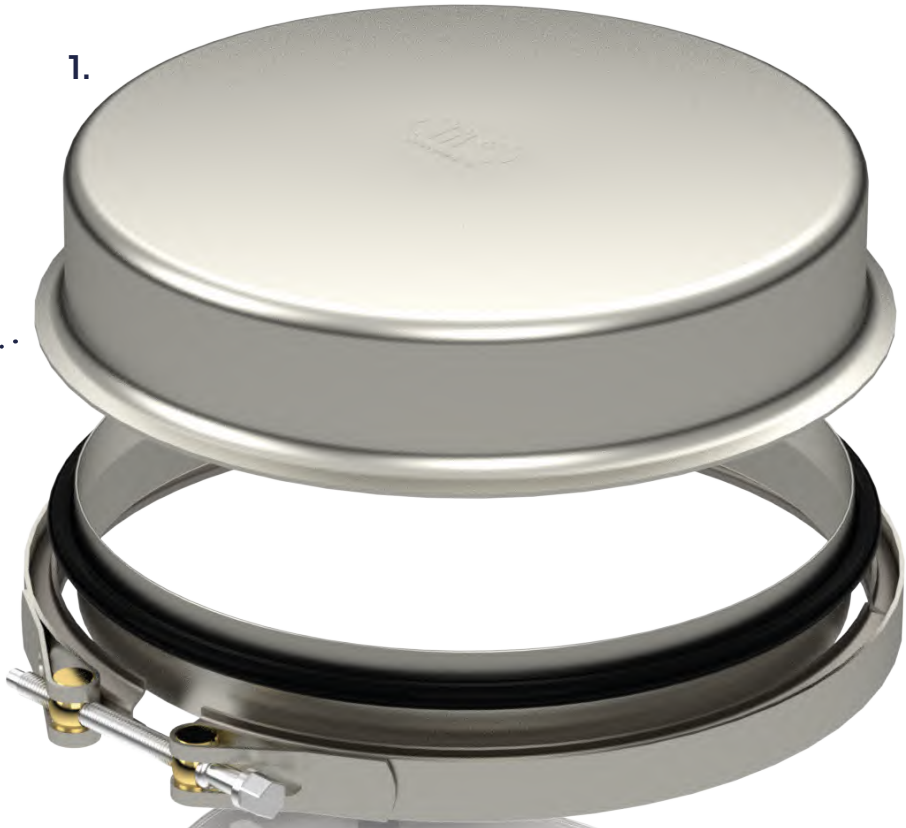


## 4. Cable sealings

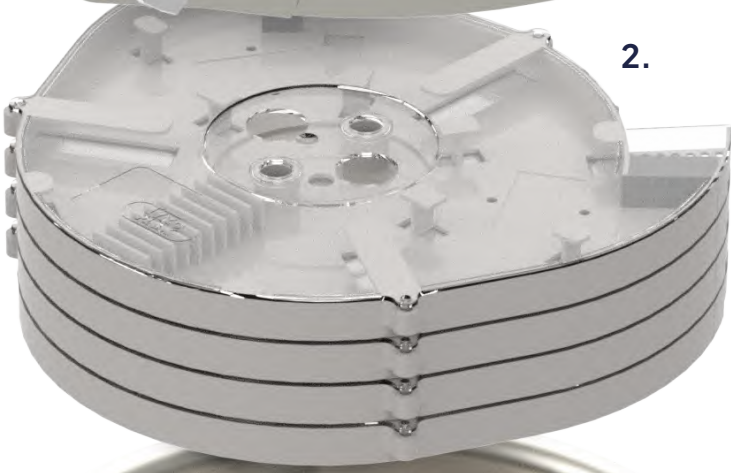
come in different types and sizes



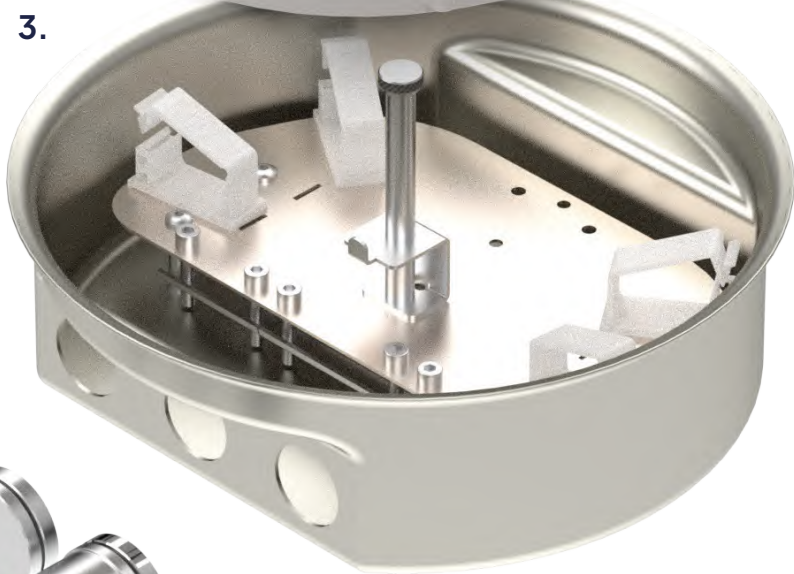
1.



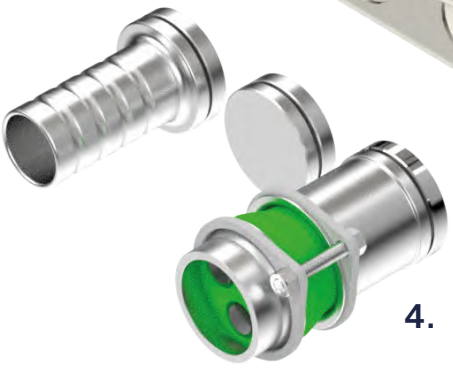
2.



3.

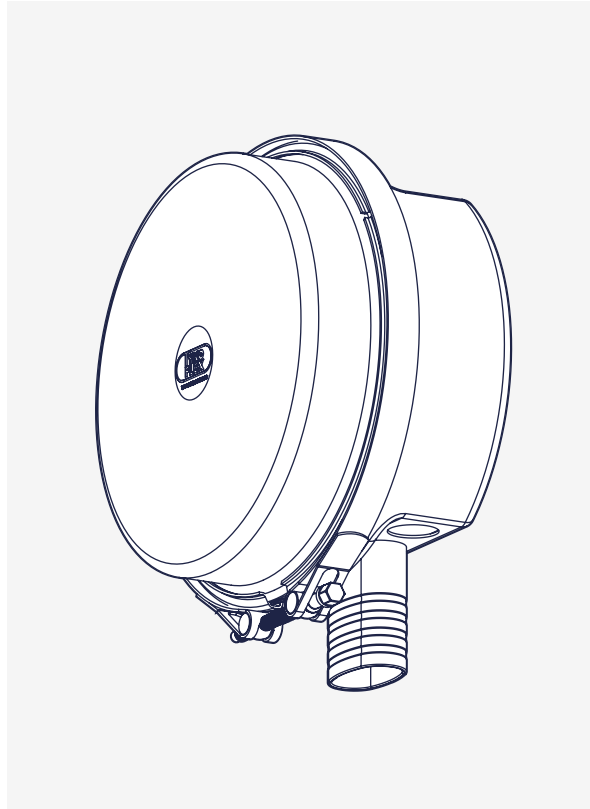
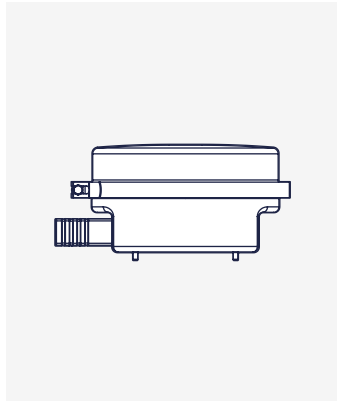
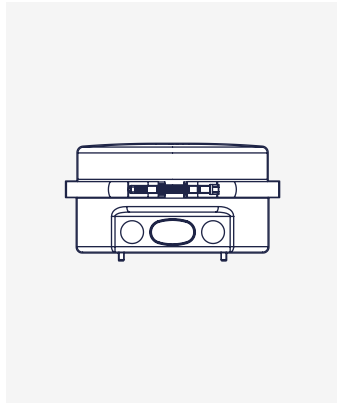


4.



# Base models

The T240 comes in many models and variants to solve diverse network challenges in many applications. These models are our best-selling, general purpose base models. All models come in different splice capacities, all models can be upgraded or expanded capacity afterwards as retrofit.



## T240-TS

All-round joint closure

### Construction

Pan-type

### Tasks

Network jointing, branching and distribution

### Cable ports

1x Oval pipe for midspan

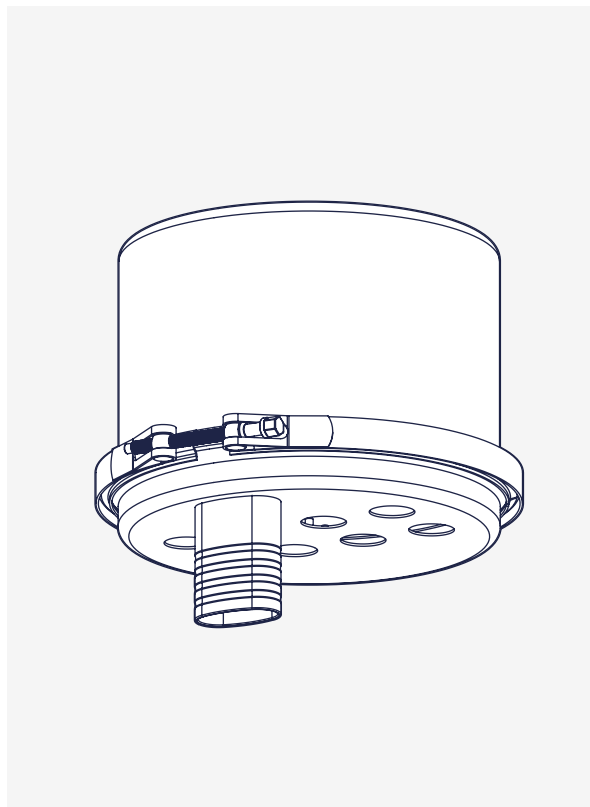
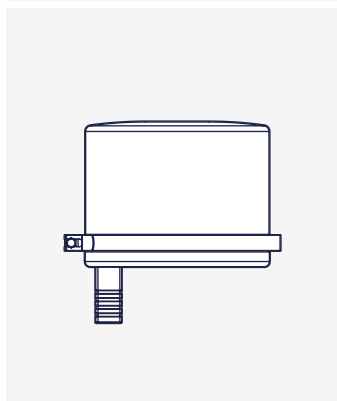
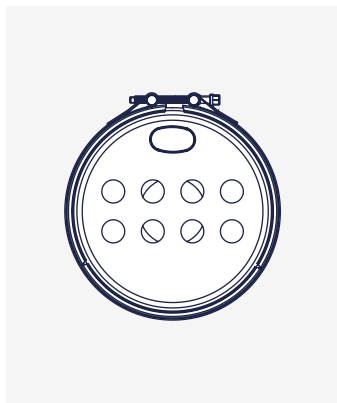
2x PG21 holes

Also available as variant

T240-T without oval.

### Accepts

All common cable types



## T240-TB8

All-round joint closure

### Construction

Dome-type

### Tasks

Network jointing, branching and distribution

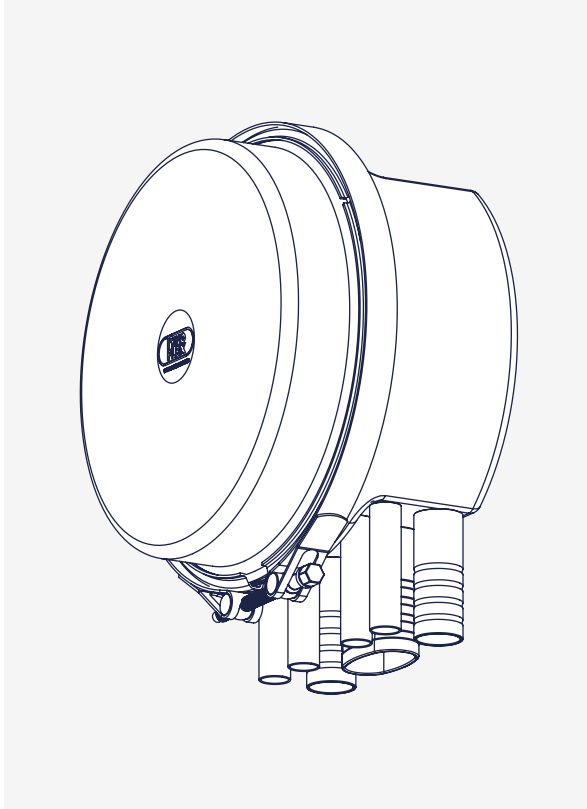
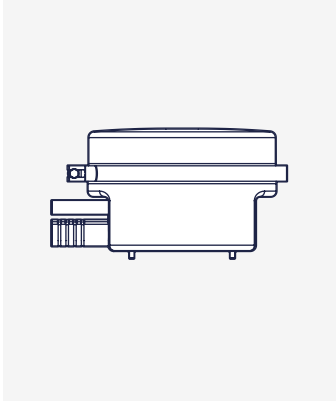
### Cable ports

1x Oval pipe for midspan

8x PG21 holes

### Accepts

All common cable types.



## T240-TSG

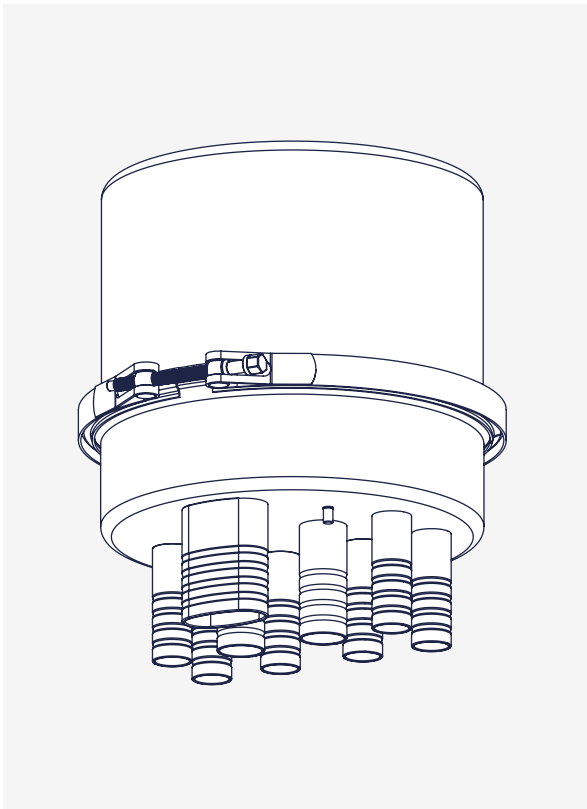
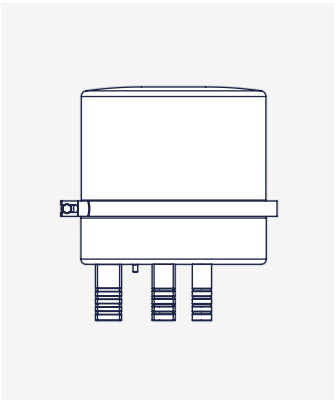
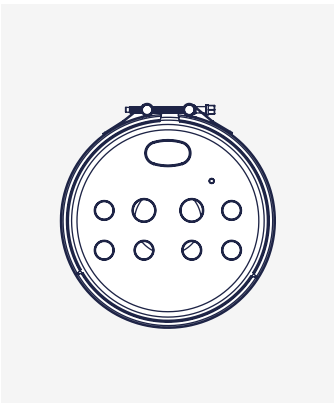
All-round joint closure

**Construction**  
Pan-type

**Tasks**  
Network jointing, branching  
and distribution

**Cable ports**  
1x Oval pipe for midspan  
6x Pipes

**Accepts**  
All common cable types



## T240-TBK

All-round joint closure

**Construction**  
Dome-type

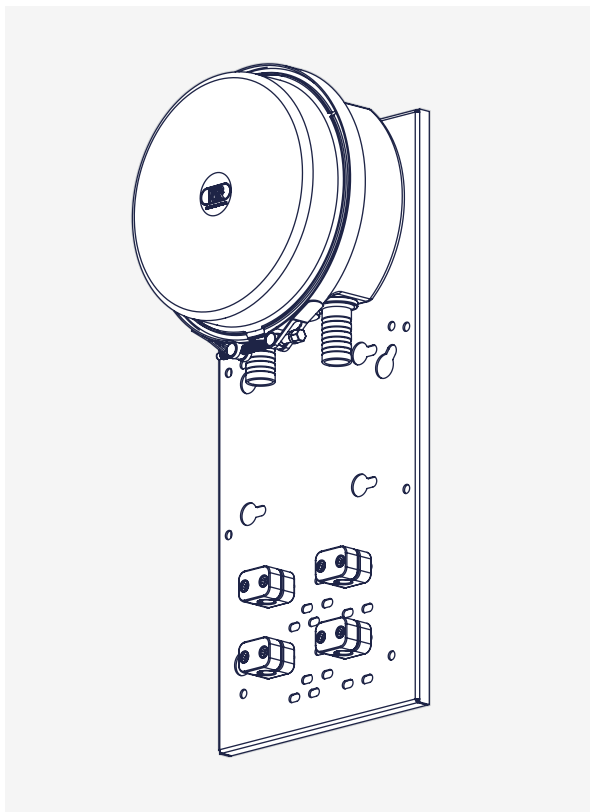
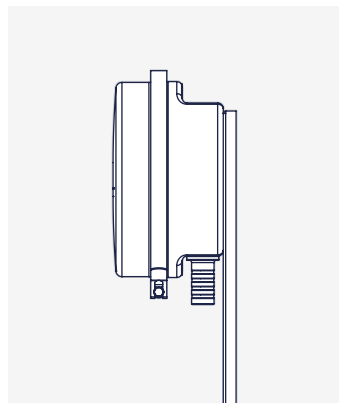
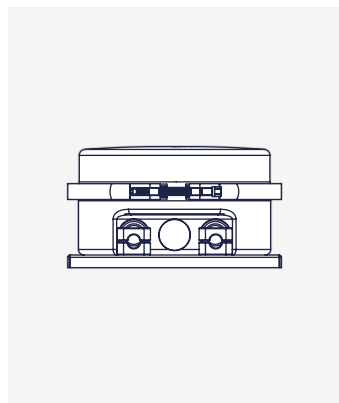
**Tasks**  
Network jointing, branching  
and distribution

**Cable ports**  
Depending on variant:  
0-1x Oval pipe for midspan  
8-16x Pipes

**Accepts**  
All common cable types

# Niche models

These T240 models are tailored to handle armoured cables and to be installed in the most demanding environments.



## T240-OPGW

OPGW and other  
aerial cables

### Construction

Pan-type

### Tasks

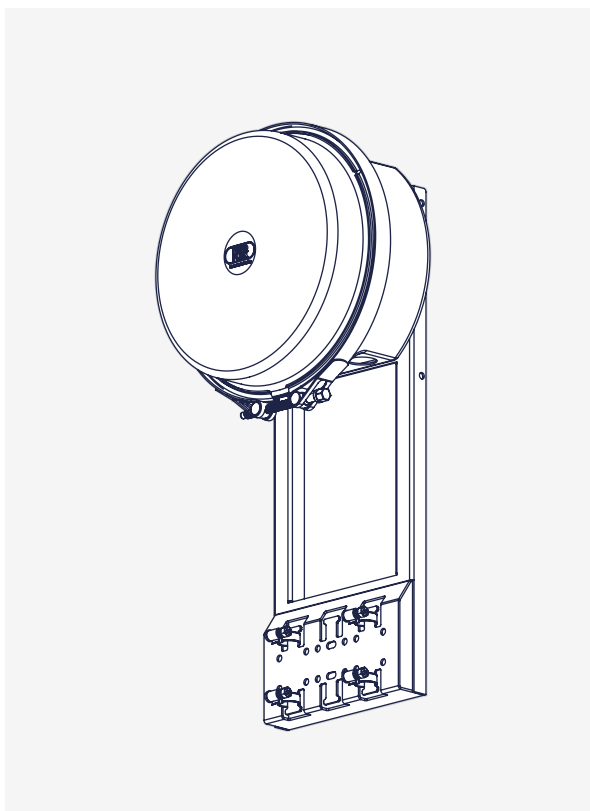
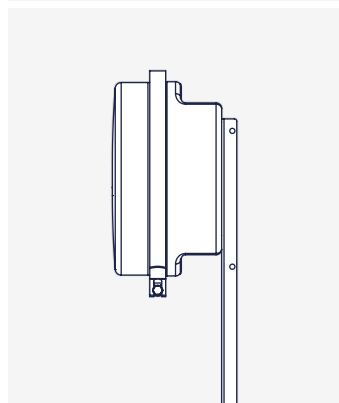
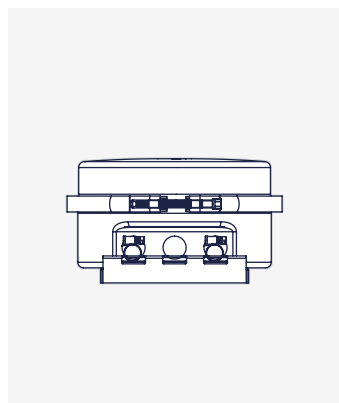
Cable jointing and branching in  
overhead lines,  
poles etc.

### Cable ports

3–4× PG21 holes

### Accepts

All OPGW, ADSS, wrap and FO cables.



## T240-TA

Landing points and  
offshore applications

### Construction

Pan-type

### Tasks

Connect Subsea cables with land-cables.  
Offshore network jointing, branching and  
distribution

### Cable ports

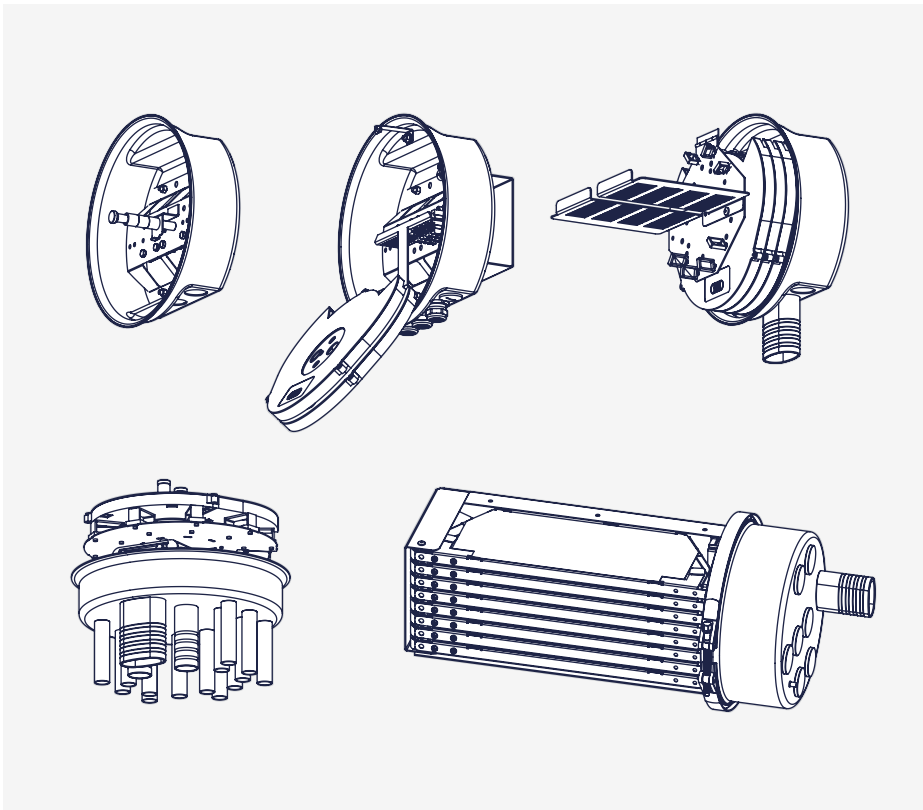
Depending on variant:  
3–4× PG21 holes

### Accepts

Subsea cables, FO cables.

# Other models

Over the years, the T240 portfolio has grown with various models and variants to cater for different customer needs.



The T240 has models and variants for all types of installation and conceivable scenario. Everything from micro cables, internal patch panel, earthing, cable storage, splicing of fibers in armored HVDC cables. See our product catalog at [www.tykoflex.se](http://www.tykoflex.se). Uncertain which model to choose?

Contact us at [info@tykoflex.se](mailto:info@tykoflex.se)



## Customized T240

### Design your own T240

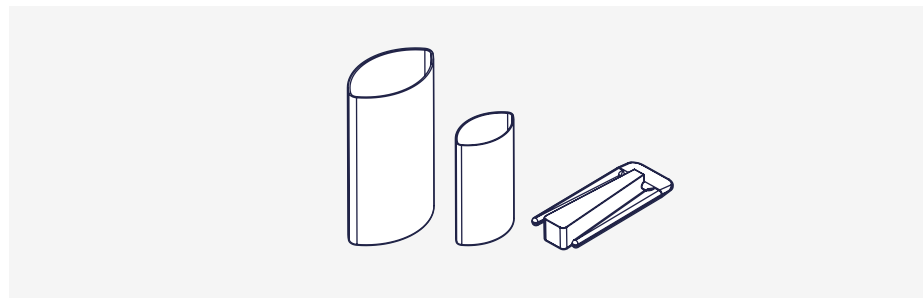
One of the benefits of stainless steel over plastic, is that it is possible to cut customized hole patterns without tool costs. This lets our customers design their own T240 with tailored cut-outs specific to their needs.

# Cable sealings

T240 has a modular cable sealing system based on preferred type of cable port, cable type / size / amount and sealing technology. In short, we accommodate up to 24 cables per cable port, cable diameters up to Ø30 mm and all cable types. Always IP68 20 m.

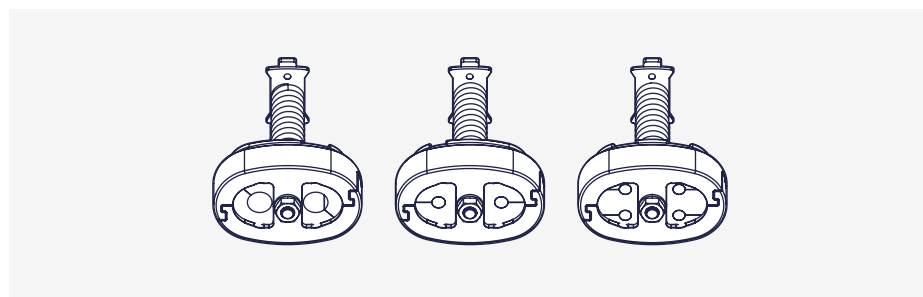
## Pipe cable port

Pipe cable ports are round or oval steel tubes welded to the closure. Before delivery, each and every T240 is pressurized and tested for leakage to make sure that the welds are 100% air and watertight.



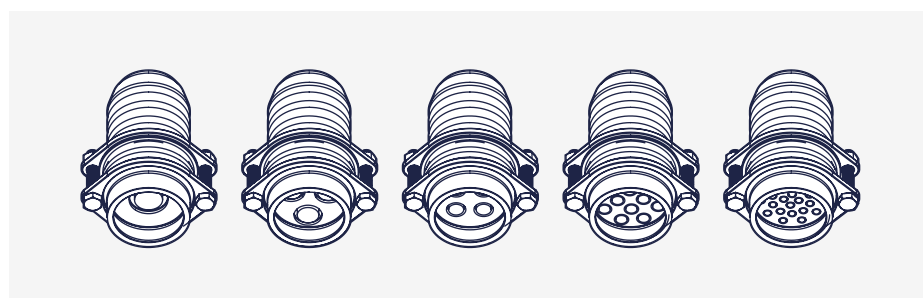
## Heatshrink tube assortment

- Heatshrink sealing
- For circular and oval pipes
- Ø6–28 mm cable diameter
- 1–2 cables/cable port
- IP68 20 m + IP69K



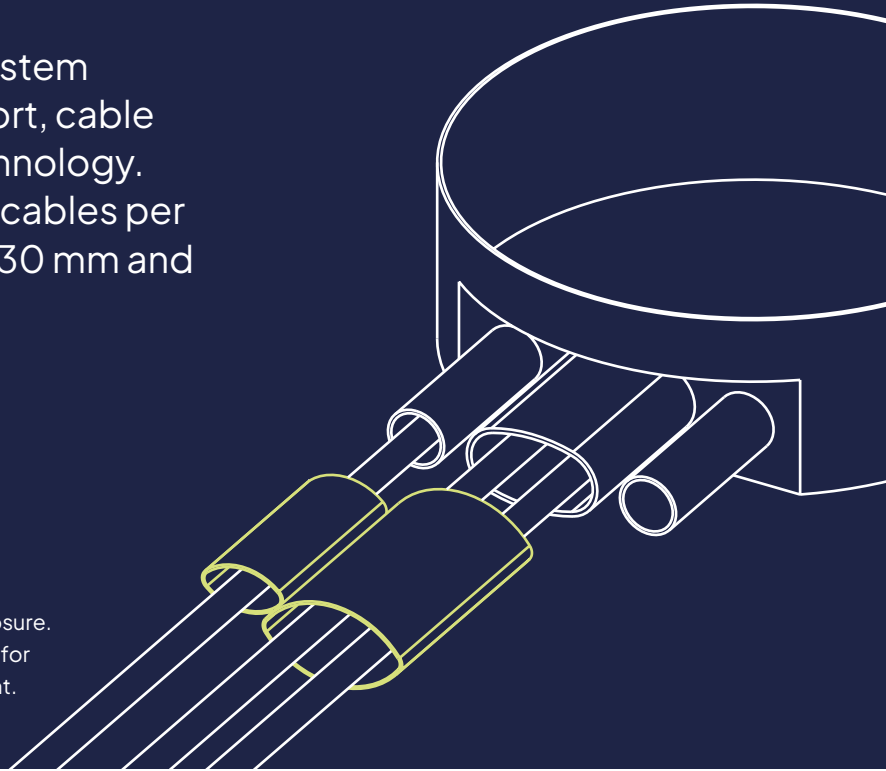
## TKN-O Cable sealing

- Mechanical sealing
- For oval pipe ports
- Ø5,5–12 mm cable diameter
- 1–4 cables/cable port
- IP68 20 m + IP69K



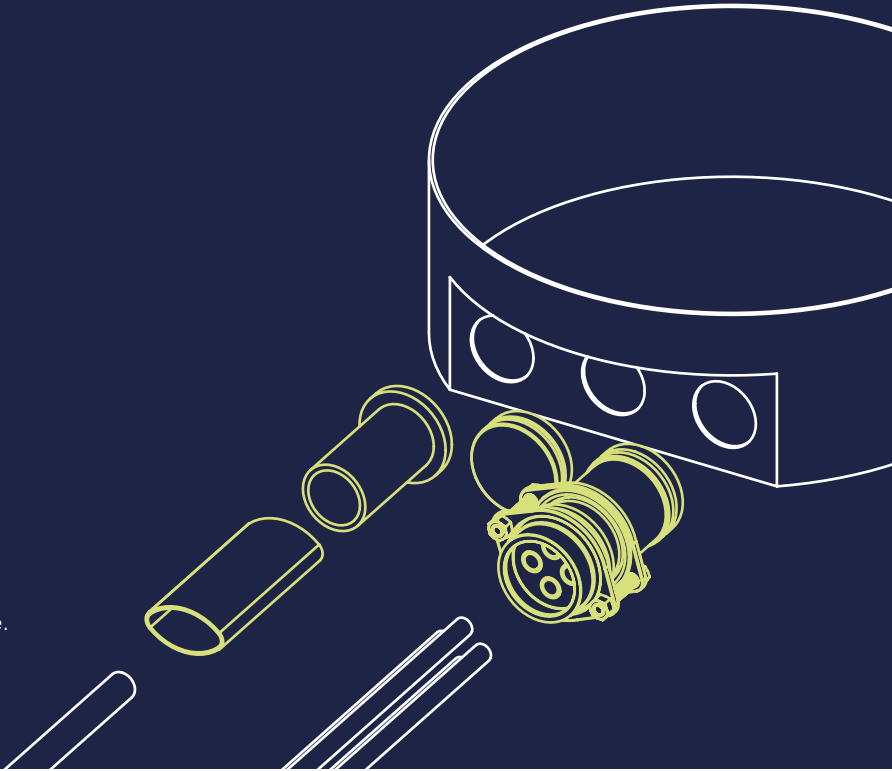
## TKN-R Cable sealing

- Mechanical sealing against the cable
- Heatshrink sealing against the pipe
- Ø1,9–18 mm cable diameter
- 1–24 cables/cable port
- IP68 20 m + IP69K



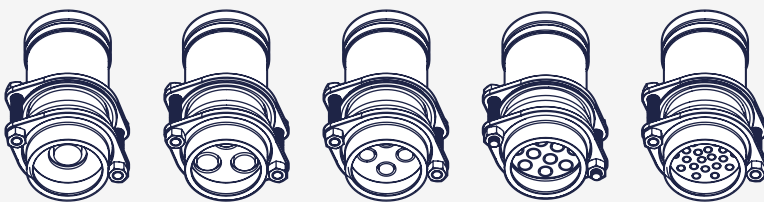
## Hole cable port

Hole cable ports are simply holes cut in the closure. The cable sealing is first installed on the cable outside of the joint closure. The cable sealing is then installed into the joint closure. These cable sealings provide the most flexibility.



## VGF Cable sealing

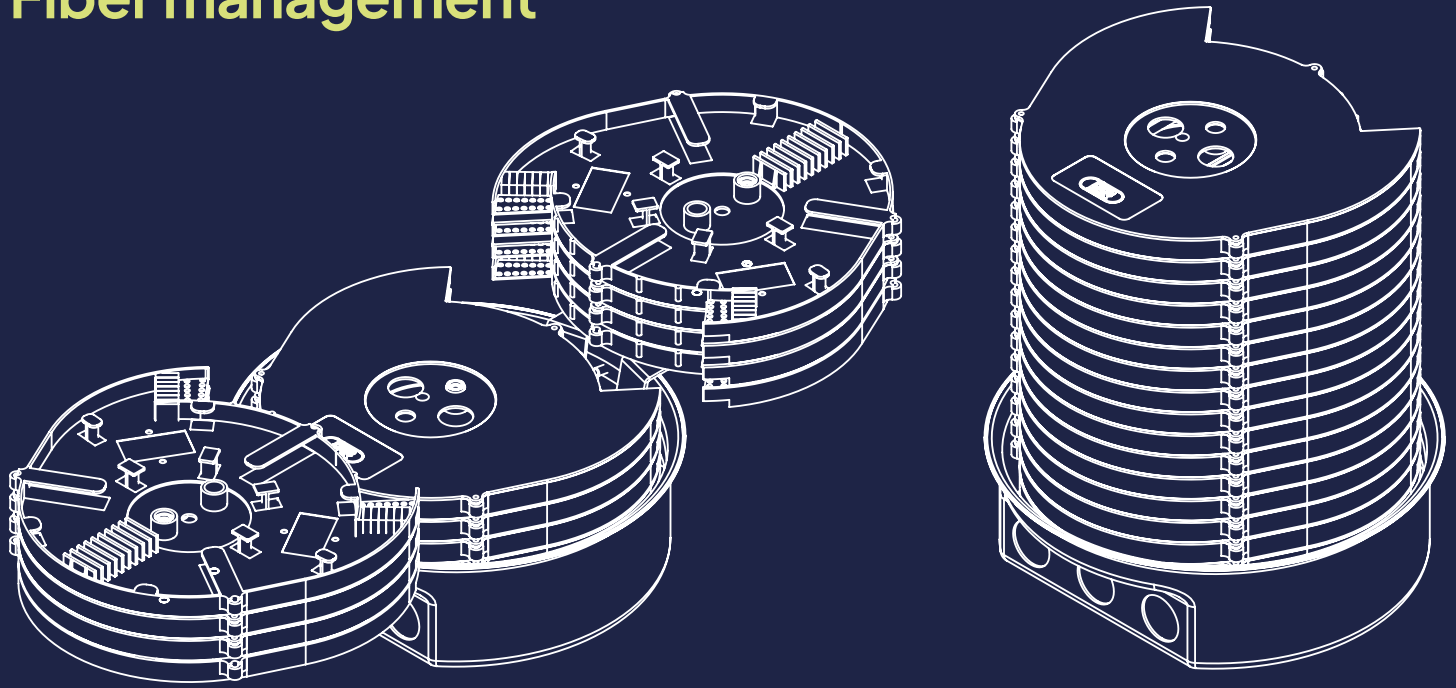
- Heatshrink sealing
- $\varnothing$ 6–30 mm cable diameter
- 1–6 cables/cable port
- IP68 20 m + IP69K



## TKN-K Cable sealing

- Mechanical sealing
- $\varnothing$ 1,8–18 mm cable diameter
- 1–24 cables/cable port
- IP68 20 m + IP69K

# Fiber management



## Multicassette – the preferred choice for scalable fiber management

The T240 Multicassette is developed together with fiber technicians to make fiber management reliable, efficient, and easy to work with over time. Its spacious and open design supports safe handling, smooth installation, and straightforward maintenance.

### **Spacious cassette for efficient splicing**

The generous working area reduces the need for exact pre-cut fiber lengths and gives technicians more flexibility during splicing. This supports efficient installation and helps simplify work in the field.

### **Simplifies planning and standardization**

The Multicassette accommodates single fibers, ribbon fibers (4–12), PON splitters, and up to 96 fiber splices in one cassette. With one cassette covering a wide range of needs, it becomes easier to plan materials, reduce the number of variants, and standardize across different node types.

### **Built to scale with network needs**

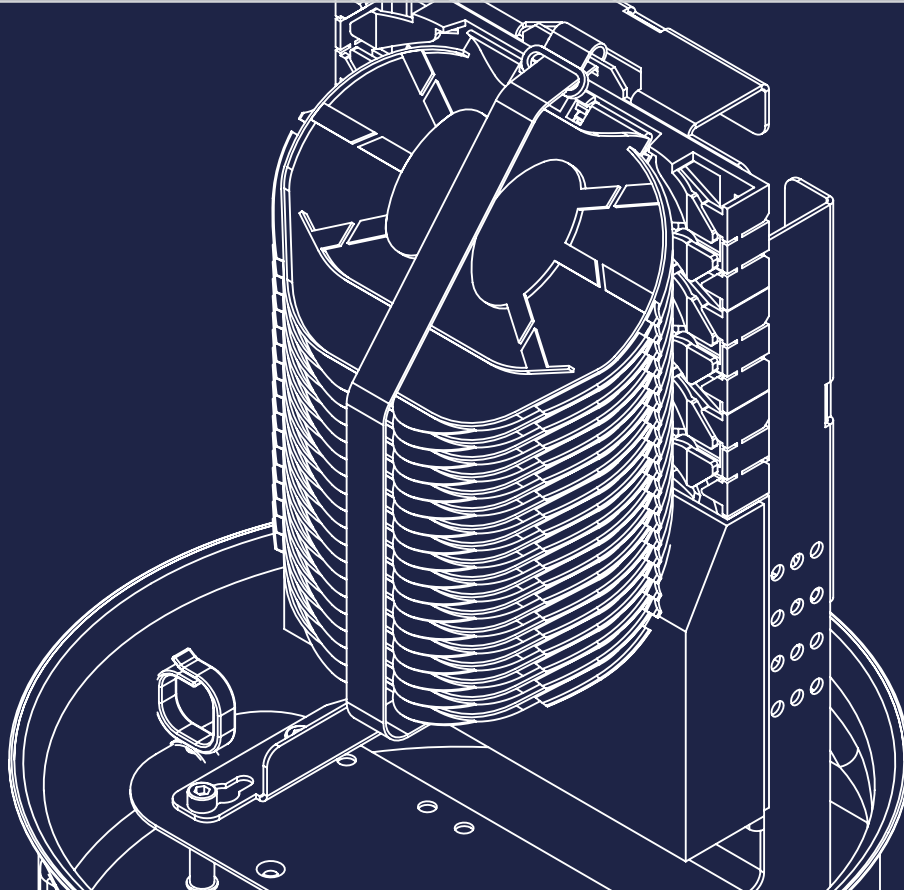
Up to 16 cassettes can be stacked from the start or added later, allowing the solution to grow to as many as 720 fiber splices.

### **Protected and easy-to-overview fiber management**

Bare fibers are routed in protection tubes all the way to the cassette. Each cassette is fitted with a transparent snap-on lid for easy inspection without disturbing the installation.

### **Two technicians can work simultaneously**

Optional cassette holders make it easier to work with individual cassettes and allow two technicians to work in parallel when needed.



## Flipcassette – designed for applications with frequent fiber re-routing

FlipCassette is an alternative fiber management option for applications where fibers are frequently re-routed between cassettes. It is designed to make reconfiguration easier and to provide a clear overview during re-entry.

### **Designed for frequent re-routing**

Fibers are routed in side raceways and via a bottom mixer, making it easy to re-route fibers between cassettes when network changes require it.

### **Clear overview during service work**

Hinged cassettes can be flipped through to quickly access specific cassettes and maintain an organized workspace.

# Tools, mounting & accessories

## A solution for every installation scenario

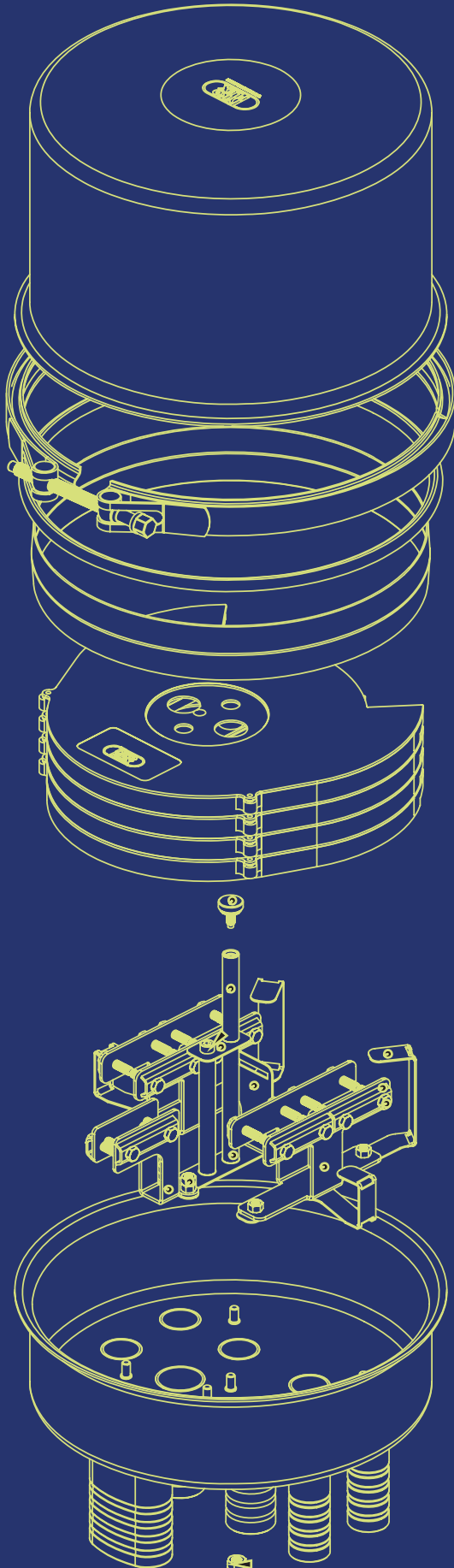
T240 offers a wide range of accessories, mounting options, and dedicated tools, making it easy to adapt the system to virtually any network design or site condition.

This flexibility ensures efficient installation, simplified logistics, and a solution that fits your requirements today while remaining ready for future needs.



# T240

## Technical Highlights



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**Material:** Acid-proof stainless steel 316L  
recyclable & corrosion-resistant.

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**Sealing:** IP68 20 m waterhead/IP69K  
-40°C to +70°C

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**Design:** Only one bolt, modular, lockable,  
high fiber capacity

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**Performance:** Proven >40 years in field use,  
IEC 61753-111-7/8/9

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**Applications:** Telecom, FTTH, OPGW, ADSS,  
tunnels, ducts, offshore, industrial

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**Sustainability:** REACH & RoHS compliant,  
long-term value through fewer replacements

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# About Tykoflex

## **Development, production and sales in Tyresö**

We are located in Tyresö, just south of Stockholm in Sweden. We develop, manufacture, assemble and qualify our products inhouse.

Robust and sustainable supply chain in the proximity of Stockholm  
96% of our suppliers are in the Nordics, 99% in the EU. This makes our supply chain very robust. We maintain control over suppliers and material selection, with sustainability in mind.

## **Wide product range**

We have all kinds of products for splicing, branching and termination. From indoor ODF racks to OPGW joint closures.

## **Our recipe for success**

We have been listening to our customers and developing products for their needs for over 66 years! More often than not, we produce and deliver tailor made.

**Innovation – flexibility – quality is our motto.**