The Joint closure kit VXOK 1030SO-G- Gland Joint with cable glands is designed to be used for joining optical ground wires (OPGW) with Aluminium tube construction and/or optical cables with central tube construction. The units include all the necessary parts for jointing the cables.

**Features and Benefits**

- Metallic closure units for OPGW with Aluminium tube construction and/or optical cables with central tube construction.
- Acid proof stainless steel housing for harsh and corrosive environments without any additional protection.
- High crush and impact resistance.
- Maximum capacity up to 192 splices.
- Gland type cable entry port seals provide excellent water tightness and high cable pull out strength.
- Non craft sensitive and reliable.
- Water tight seal to IP68.

**Unit Contents**

**Basic configuration:**
- Closure
- Installation plate
- Closure Seal
- Earthing and fixing materials

**According to unit capacity:**
- Splice Trays
- Splice Protectors
- Cable entry port materials

**Additional Items**
- Splice Trays
- Splice Protectors
- Gasket
- Extension Collars / Cover
- Pole Mount
Technical Data

- **Dimensions (excl. inlet tubes)**: 560x230x100 mm (L x W x H)
- **Inner diameter cable entry ports**: Cable diameter max 21 mm; cable core diameter max 10,5 mm
- **Number of entry ports**: 2
- **Weight**: about 10 kg
- **Material**: Closure: Acid proof stainless steel (AISI 316) 1.5 mm
  Closure seal: Chloroprene rubber
- **Splice tray capacity**: 4 trays XOKP 1024/48 with max capacity of 48 splices/tray
- **Temperature variation**: IEC 60068-2-14; 2 cycles -30°C to +80°C: Δα <0.1 dB@1550 nm
- **Damp heat**: IEC 60068-2-14; + 60°C, RV 93%, 16 h: Δα <0.1 dB@1550 nm
- **Climatic withstand test**: IEC 60068-2-14; heat +85°C; RV 93%;16 h: Δα <0.1 dB@1550 nm
  IEC 60068-2-14; cold -30°C; 16 h: Δα <0.1 dB@1550 nm
- **Corrosion test A sulphur dioxide**: EN ISO 7384, ISO 3231; +40°C; RV saturated; SO₂ 0,067% by volume; 3x 120 h
- **Corrosion test B salty mist**: IEC 60068-2-52; +35°C; 1000 h
- **Temperature range:**
  - Transport and storage: -40°C to +50°C
  - Installation: -10°C to +50°C
  - Operation: -45°C to +80°C
- **Fibre bending radius (mm)**: minimum 30 mm
- **Cable retention**: IEC 60794-1-E1: 1000 N
- **Water immersion**: IP68 (No water ingress at 1 meter water pressure for 7 days)
- **Impact resistance**: IEC 60794-1-E4: 30 Nm @ 20 °C, radius 300 mm
- **Crush resistance**: 1000 N @ 20 °C on top surface of the box
- **Torsion resistance**: IEC 60794-1-E7: 1000 mm length, ± 180°: Δα <0.1 dB@1550 nm
- **Drop**: Drop height 5 meters on concrete: Δα <0.1 dB@1550 nm
- **Application area**: Group 1&2 in accordance with EN 124, 30 cm below surface level
Ordering codes and unit contents

**Prysmian Part No. XJTSC01702**  
**VXOK 1030SO-G-48 Gland Joint LC**

For max 48 fibres:
- Joint closure XOK 1030SO-G: 1 pce
- Splice tray XOKP 1024/48: 2 pces
- Spiral Space® installation kit VSPA-U: 1 pces
- Fibre protection sleeve FT 290: 48 pces
- Pole mount VXOKO 1133: 1 pce
- Central Element Clamp XOKO 1021: 1 pce

**Prysmian Part No. XJTSC01819**  
**VXOK 1030SO-G-72 Gland Joint LC**

For max 72 fibres:
- Joint closure XOK 1030SO-G: 1 pce
- Splice tray XOKP 1024/48: 3 pces
- Spiral Space® installation kit VSPA-U: 1 pces
- Fibre protection sleeve FT 290: 72 pces
- Pole mount VXOKO 1133: 1 pce
- Central Element Clamp XOKO 1021: 1 pce

**Prysmian Part No. XJTSC01703**  
**VXOK 1030SO-G-96 Gland Joint LC**

For max 96 fibres:
- Joint closure XOK 1030SO-G: 1 pce
- Splice tray XOKP 1024/48: 4 pces
- Spiral Space® installation kit VSPA-U: 1 pces
- Fibre protection sleeve FT 290: 96 pces
- Pole mount VXOKO 1133: 1 pce
- Central Element Clamp XOKO 1021: 1 pce
Additional Items

Splice tray XOKP 1024/48

Splice tray for 48 heat shrink splice protectors covered by transparent acrylate cover. Splice tray is powder coated steel and splice holders silicone rubber. Dimensions are 385 x 157 x 10 mm (l x w x d)

**Prysmian Part No. XJTSC00870**  XOKP 1024/48 Splice tray

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Splice protector FT 290

Heat shrink splice protector for single fibre with dimensions 61 mm x 2.6 mm (diameter). Splice protectors are packaged in 100 pcs packs.

**Prysmian Part No. XKTSC00540**  FT 290 Fibre protection sleeve 61 mm

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Rubber gasket

Rubber gasket when original gasket has to be changed.

**Prysmian Part No. XJTSC00863**  XOKO 1002 Rubber gasket

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Pole mounts for towers

Used for mounting the closure to a metallic tower in a power line.

**Prysmian Part No. XJTSC00866**  VXOKO 1133 Pole mount (for towers)

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VSPA-U OPGW supplementary kit

Supplementary kit for protecting optical fibres in the joints of OPGW (Optical Ground Wire) with Aluminium tube, Spiral Space core or steel tube constructions. Kit con

**Prysmian Part No. XJTSC008675**  VSPA-U kit for Spiral space OPGW

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Please contact your local sales office listed on [www.prysmiangroup.com](http://www.prysmiangroup.com)