



# Metal Hood Joint LKM 171

## Maximum Security for Your Fibre Optic Connections.

The metal hood joint LKM 171 is a connecting joint developed by KTK and features a new cable catch system.

It offers maximum resistance against the most common types of external impact.

The metal hood joint LKM 171 is highly impermeable and protects optic fibres against water, moisture and UV rays.

### The Advantages at a Glance:

- Each cable has a separate catch. This prevents already existing OPGW from twisting and scraping the fibres in the hood joint during an expansion.
- Only the separated OPGW tubes are inserted into the hood joint and sealed in the new hood joint. In case of other hood joints, the seals press against the OPGW, which is inserted into the hood joint. Thus, it may occur that water runs into the gaps between the strands and into the hood joint.
- The hood joint can hold and manage a large number of fibres.



### Technical Data

Maximum capacity of glass fibre content:  
SE system up to 1152 fibres, SC system  
up to 192 fibres

Tensile load at the catch: 2 kN

Torsion load: up to 20 Nm

for cable sizes of 10 mm to 28 mm

Cable entries for 6 ground wire overhead  
wires or ground wires

waterproof and pressure-tight according  
to IP 67

Stainless steel with aluminium alloy,  
completely rustproof, resistant to  
weathering and seawater

bullet proof

Weight: 16 kg

## Basic equipment

### Metal hood joint LKM 171

Basic equipment includes:



- 1 hood joint with catch devices for OPGW and grounding cable



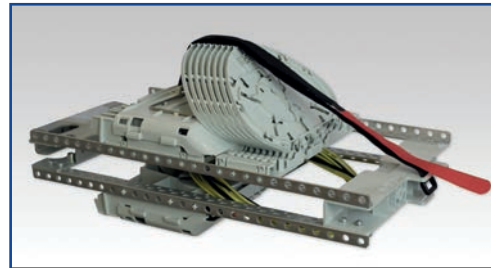
- 2 sets of cable glands for OPGW



- 1 cable gland for grounding cable



- 4 blind plugs



- 1 Tray frame and splice trays up to 48 fibres in SC system

The hood joint may be expanded up to 80 fibres, SC system, or up to 480 fibres, SE system.



- maximum of 3 pairs of spacing sleeves for cable catch (size of the spacing sleeve according to customer specification)

Spacing sleeves are available for cable diameters of 12 up to 26 mm.

### Extra equipment (optional)



- Extension frame for trays:  
Possible content capacity of up to 192 fibres, SC system, and up to 1152 fibres, SE system

- SE tray block with 2 or 4 trays

- SC tray block with 4 or 8 trays

- Mast bracket for fitting the hood joint on the mast

Cable glands and spacing sleeves must be ordered for extensions.