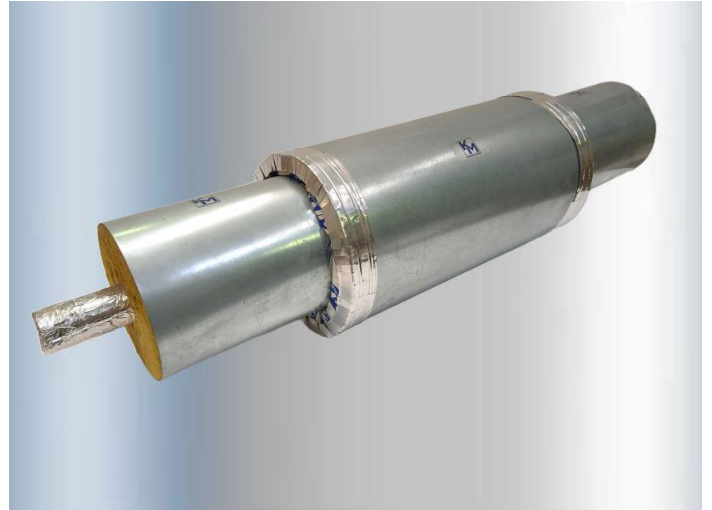


## **KM-CTI/A-B** FIRE RESISTANT STAY ROD COVERING

## **KM-CTE/A-B** FIRE RESISTANT SCREW COUPLING COVERING



### **GENERALITY**

The fire resistant stay rod covering **KM-CTI/A-B** is a fire resistant protection of structural elements, made up of a preshaped insert of mineral fiber. An opened galvanized steel shell grips the lot with 4 self-tapping screws.

The fire resistant screw coupling covering **KM-CTE/A-B** is a fire resistant protection of a screw coupling, made up of 4 layers. Every layer is made up of a wrapper of a mineral fibre textile, filled with a compound of an ecological bio-soluble felt (128 kg/m<sup>3</sup>) for high temperature between two layers of 1 mm alkaline earthy silicate paper sheets. An opened galvanized steel shell grips the lot with 3 self-tapping screws.

### **DESCRIPTION**

Fire resistant stay rod covering **KM-CTI/A-B**, 1000 mm long; D. 100 mm/160 mm, d. 38 mm  
Fire resistant screw coupling covering **KM-CTE/A-B**, 400 mm long; D. 150 mm/210 mm

### **FUNCTIONALITY**

The fire-resistant stay rod covering **KM-CTI/A-B** and the fire-resistant screw coupling covering **KM-CTE/A-B** protect both the stay rods and the screw couplings of the structural walls, against the fire.

### **APPLICATION**

The fire-resistant stay rod covering **KM-CTI/A-B** is opened lengthwise and is wrapped round the stay rod to be protected. The outside galvanized steel shell is fixed with 4 self-tapping screws.

The next shell of the resistant stay rod covering must be overlapped of about 50 mm to the previous one, in order to stagger every joint of each stay rod covering.

After the protection of the two sections of the stay rod will be completed, the screw coupling must be shielded with the fire-resistant screw coupling covering **KM-CTE/A-B** and fixed with 3 self-tapping screws. The two terminals of the fire-resistant screw coupling covering is closed with a crown fixed with 2 self-tapping screws.

## CERTIFICATIONS

Fire resistance **KM-CTI/CTE-A R60; KM-CTI/CTE-B R90/120** according to a Technical Report of Evaluative calculation Nr. FS528A19 of 26.06.2019, relating to the results of the CSI's experimental test Nr. 0009/DC/RFM/19 of 26.06.2019, with reference to European Standard EN13501-2, EN13381-2, 3, 4, 5, 6, 7 and DM of 16.02.2007.

## TECHNICAL DATA KM-CTI/A-B

<b>Shell:</b>	galvanized steel
<b>Inside element:</b>	preshaped insert of mineral fiber
<b>Length:</b>	1000 mm
<b>Diameters:</b>	D. 100/160 mm, d. 38 mm
<b>Thickness:</b>	30/60 mm
<b>Density:</b>	100 kg/m <sup>3</sup>
<b>Thermal resistance:</b>	0.039 $\lambda$ at 50°C, 0.050 $\lambda$ at 150°C, 0.065 $\lambda$ at 250 °C, 0.087 $\lambda$ at 350°C
<b>Storage:</b>	inside room not exposed to water and moisture
<b>Transport:</b>	no restrictions on land no restrictions ICAO/IATA-DGR (not in direct contact with edible products)

## TECHNICAL DATA KM-CTE/A-B

<b>Shell:</b>	galvanized steel
<b>Inside element:</b>	4 layers; everyone: mineral fibre textile, filled with a compound of an ecological bio-soluble felt (128 kg/m <sup>3</sup> ) for high temperature between two layers of 1 mm alkaline earthy silicate paper sheets.
<b>Length:</b>	400 mm
<b>Diameters:</b>	D. 150/210 mm
<b>Dangerous reaction:</b>	none observed (European Directive Q 97/69/EC)
<b>Storage:</b>	inside room not exposed to water and moisture
<b>Transport:</b>	no restrictions on land no restrictions ICAO/IATA-DGR (not in direct contact with edible products)

## FURTHER INFORMATION

<b>Acute effects to exposure:</b>	none
<b>Classification and labeling:</b>	none require
<b>Safety advice:</b>	none