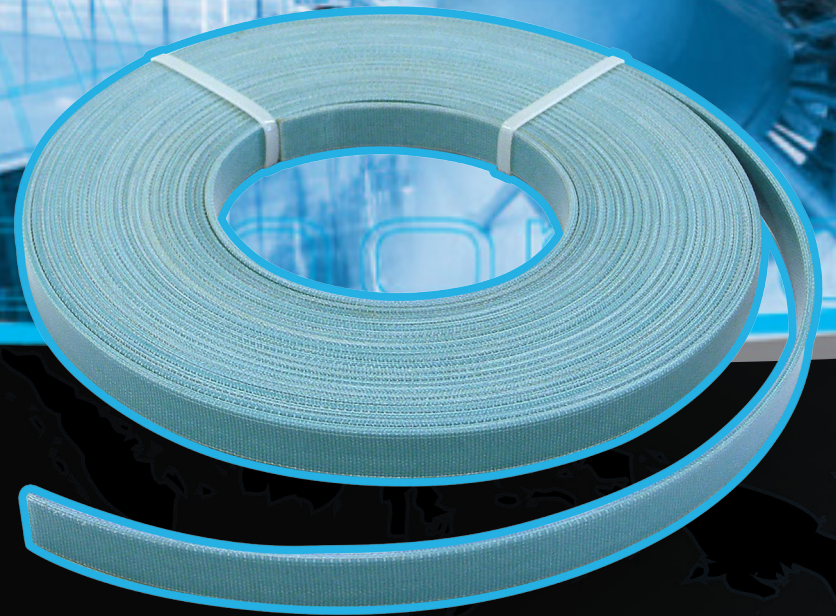


# PXLKOT

Composite materials of guidance



Resistant - Economic - Adaptable

Our engagement, your daily satisfaction

# PXLKOT

## THE IDEAL MATERIAL FOR YOUR GUIDANCE

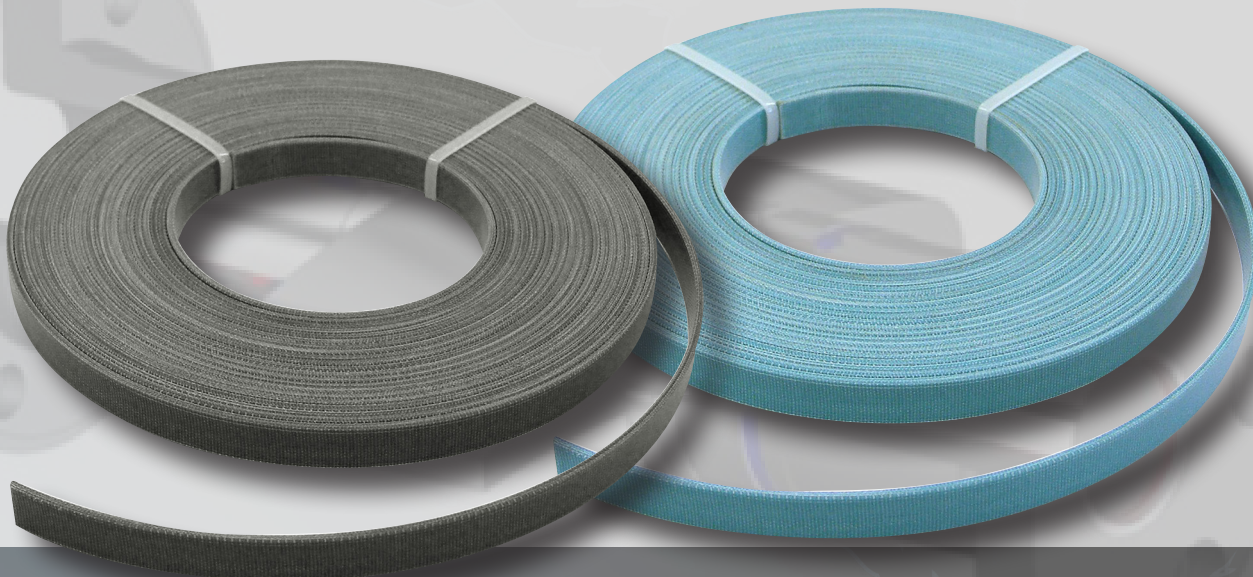
The PXLKOT composite materials are made of synthesized fibers impregnated with resin. It offers excellent guidance properties associated with a decrease of the frictions, this even without lubricant.

### APPLICATION

Its machining accessibility makes it an easy to use material in most applications linked to the hydropower sector.

Used in wide range of service conditions, the PXLKOT is used in most dynamic and rotating applications requiring the presence of low frictions. Its inherent characteristics contribute to serve its mechanical properties in the different systems used.

Could contain technical additives or different components, the PXLKOT is both a dimensional and financial alternative to other guidance materials available on the market. (Bronze material, PTFE, etc).



### MAIN ADVANTAGES

#### HIGH RESISTANCE

- ▶ To high mechanical loads, as well as shocks.
- ▶ To wear-and-tear (life warranty).

#### MECHANIC PROPERTY

- ▶ Limited frictions, even in dry application thanks to additives.
- ▶ Excellent dimensional stability due to low absorption rates: humidity absorption < 0.1. %.

#### WORKING CONDITIONS

- ▶ Excellent chemical compatibility in a large range of fluids but also in a dry condition. (see table)
- ▶ Large range of admissible temperature.
- ▶ No greasing necessary. (Substantial savings).
- ▶ Reduction of space needed because of excellent mechanical properties.

#### EASY TO USE

- ▶ Easy-to-use installation mounted on site through 2 parted casings.
- ▶ More affordable than bronze material.

[www.pxlseals.com](http://www.pxlseals.com)



# TECHNICAL CHARACTERISTICS

Having an excellent resistance to wear-and-tear as well as abrasion, the **PXLKOT** is available in numerous profiles, shapes and dimensions.

## AVAILABLE GRADES

Grade	Property	Color
<b>HLO1</b>	Standard grades - Polyvalent grades Excellent mechanical properties (compression resistance, wear-and-tear)	<b>turquoise</b>
<b>HLO2</b>	Adapted grade to dry running Excellent mechanical properties	<b>light grey</b>
<b>HLO3</b>	Adapted grade in sea water application Excellent mechanical property	<b>grey</b>

## SHAPES OF AVAILABLE PARTS

The products of PXLKOT range are available in a wide range of shapes and also dimensions.

### FINISHED PRODUCTS

- ▶ Upper guide bands
- ▶ Rings
- ▶ Ringlets
- ▶ Special parts according to customer plans

### SEMI-FINISHED PRODUCTS

- ▶ Plates
- ▶ Tubes

For additional information on our products and on your application compatibility, please contact our design department where a study will be done according to your requests and precise specifications.

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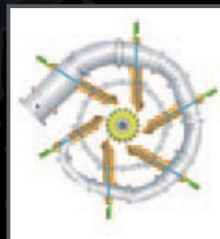


## APPLICATIONS

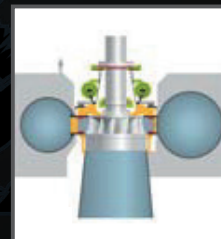
Our PXLKOT range can be used in many applications.

- ▶ Wicket gates guide vane
- ▶ Wicket gate trunnions
- ▶ Servomotors
- ▶ Shafts
- ▶ Blade trunnions
- ▶ Valve trunnions

Pelton Turbine



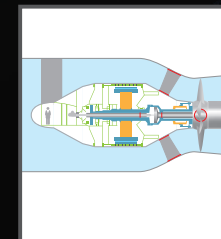
Francis Turbine



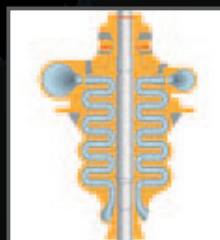
Kaplan Turbine



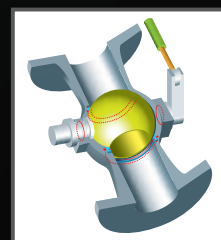
Bulb Turbine



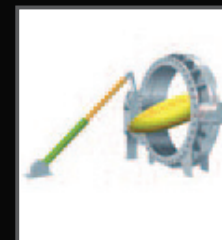
PSPS Turbine



Spherical Valve



Butterfly Valve



## PXL SEALS Customers & Applications

### ENERGY

Hydro power (valves and turbines), marine energy, wind turbine.

Customers:

Energy producers: EDF – CNR

### SLEWING RING & LARGE BEARINGS

Oil platforms, radars, ball joints.

Customers:

- Turbine producers: ANDRITZ – GE Renewable Energy – VOITH – LITOSTROJ POWER

- Other industries: SBM -IMODCO



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