

# LA BRIDOIRE BELTS



FRANCE'S ONLY MANUFACTURER  
OF COOKIE OVEN Z-BELTS



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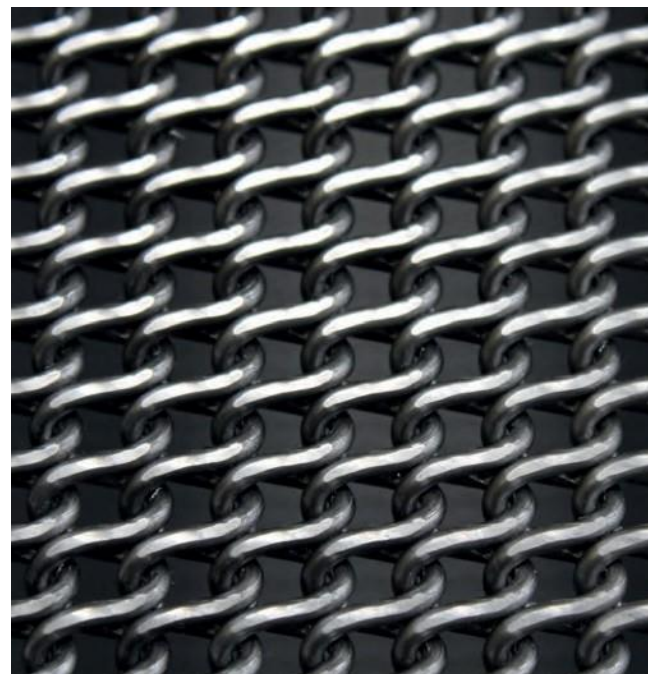
# INTRODUCTION



LA BRIDOIRE BELTS has just acquired the drawn belt department: the famous Z-belt.

Z. This belt has been produced and sold for over 60 years to meet the specific needs of industrial cookie ovens.

Drawn belts, also called conveyor belts, are designed to offer longevity and easy maintenance. These belts made of drawn steel wire and come in widths of over 1.5 meters and lengths of up to 300 meters. Choosing a French-made Z-belt means purchasing a quality product.



## COMPANY HISTORY

The original company “Maison Mage” was founded in Lyon in 1840 to produce metal conveyor belts.

By the end of the 19th century, the company had moved to La Bridoire in order to harness the power of Lake Aiguebelette's water current. The new company took the name of its successor: “Paul Tourasse & Cie”

After the First World War, a new company was created, called “Produits Tréfilés de La Bridoire” (PTB). Its origins lie in the merger of “Etablissements Tourasse” with Mr Levin's screw factory, which came to La Bridoire to benefit from the town's attractive electricity rates.

The two belt and screw manufacturers have coexisted at La Bridoire ever since. PTB supplies conveyor belts and wire mesh for the international market.



# PRODUCT RANGE

Today, metal oven Z-belts are delivered to baking factories all over the world, directly from the Savoie plant or through our network of authorised distributors.



## Z47

This belt is recommended for large, high-performance equipment (speeds of up to 30 m/min). The spaces between the mesh allow excellent air circulation during cooking.

## Z47R

This belt is an updated version of the Z47 belt, with increased tearing resistance for a longer belt life and more intensive use. However, it requires a higher baking temperature than the Z47 belt.



## Z28

This belt allows you to reduce the oven temperature for greater savings.

The wire's diameter is reduced. High temperatures are to be avoided.



## Z48

This belt is specially designed for baking rusks and hard cookies. The Z48 belt has a wide mesh for optimised air circulation.



# Z-BAND FEATURES

We offer four main types of conveyor belt (or Z-belt), depending on the technical specifications required: weight, size, thickness, thermal inertia and air flow through the mesh.

Our belts are made from varying diameters of carbon steel wire, depending on belt type and application.

All Z- belts are manufactured according to strict quality criteria. The edges are looped to make the belt more flexible and improve contact with even small-diameter drive drums.

The edges are finished to reduce the risk of the belt being damaged by side guides or oven blades.

The manufacturing method ensures perfect wire alignment and a wider inter-mesh gap for the same mechanical strength. This is crucial to allow our customers to bake quickly and evenly in their ovens, while keeping the Z-belt clean.

## LOOPED EDGES (thickness +8/10 mm)

- increases edge service life (higher friction resistance)
- prevents vibrations when in contact with other metal parts
- protects the operator during handling

# TECHNICAL DATA

	Z47	Z47R	Z28	Z48
Wire diameter (mm)	1.2	1.5	1.0	1.3
Pitch (mm)	8.2	8.5	6.3	8.5
Belt thickness (mm)	2.2	2.8	1.8	2.4
Weight per square metre (kg)	7.0	11.2	6.5	7.4
Tensile strength (daN/cm width)	240	390	160	220
Max. belt length (mm)	1550	1550	1500	1550
Mini. oven drum diameter (mm)	300	300	300	300

## Getting Started

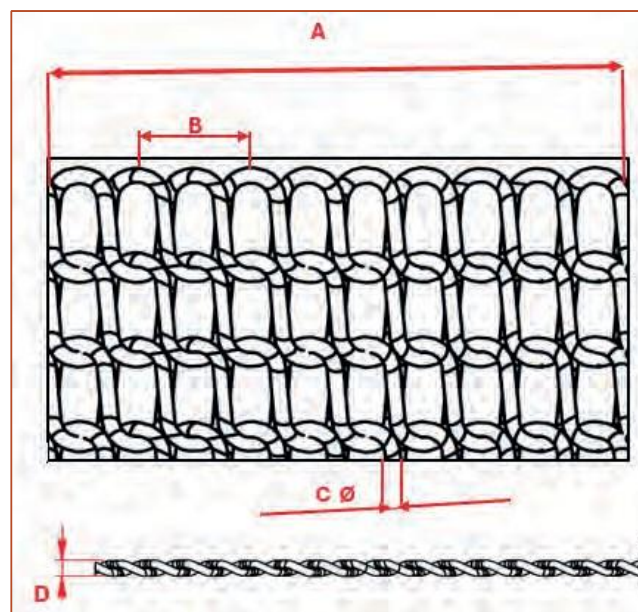
Before starting up the conveyor, cut the belt to the correct size, leaving a sufficient length for the drive drum. The belt tension must be adequate to prevent the belt from slipping off the drive drum. Please check the rotation direction (see painted arrow).

## Recommendations

We recommend changing the belt every three years when used in normal production conditions (three eight-hour shifts). With more intensive use or very high oven temperatures, the service life is significantly reduced. It's important to note that each belt is produced according to the customer's specifications (including width and length). Therefore, normal delivery time is between 6 - 10 weeks. It must, therefore, be included in preventive maintenance.

## Z-BELT DATA SHEET

DATE: .....  
 COMPANY: .....  
 ADDRESS: .....  
 POST CODE: .....  
 CITY:..... COUNTRY:.....  
 TELEPHONE: ..... EMAIL:.....  
 QUOTATION REQUEST: .....  
 LENGTH & WIDTH: .....

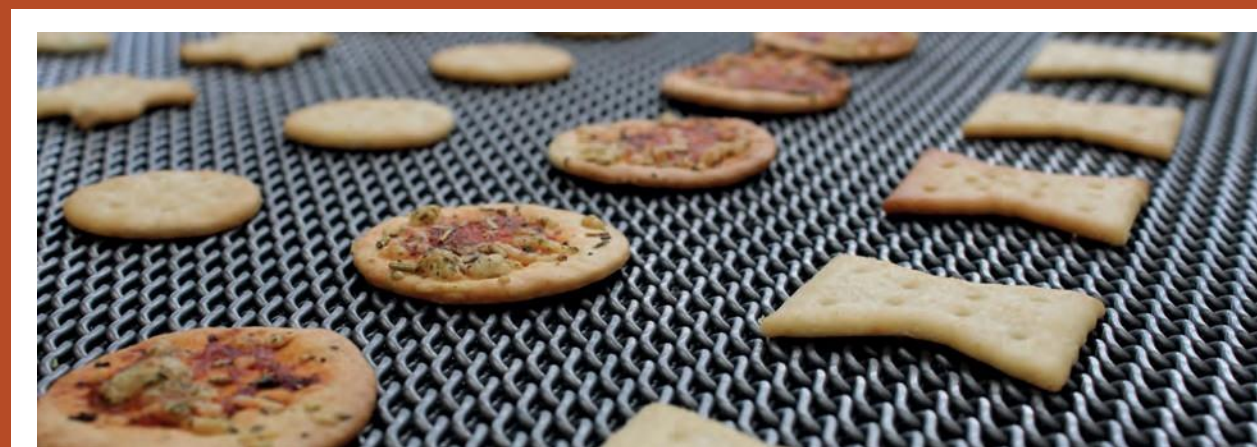


A	Belt length	..... mm
B	Step	..... mm
C	Wire Ø	..... mm
D	Belt thickness	..... mm

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