



# Abzac tubes, high reliability



# High performance Abzac tubes

A cardboard tube is a high-tech product which requires **know-how, rigour, reproducibility and cleanliness**. Abzac, specialised in the manufacture of cardboard tubes for over 80 years, offers an innovative, extensive and reliable product range designed to meet the needs of all the different main user markets.

## Cardboard tubes, cores and rings for:

### > The paper industry:

Tubes and cores are an essential winding component the technical features of which, as mastered by Abzac, are ideally suited to this market:

- **crush and dynamic load resistance**, namely the capability of the tube to withstand the variations in the speed and weight of the rolls during winding and unwinding;
- **the E-modulus**, or the value enabling calculation of the critical speed as from which the tube will start to vibrate and resonate.

### > The plastic film industry:

Thanks to its R&D division, Abzac has designed a range of tubes capable of meeting the specific constraints of **radial compression and surface appearance** (waviness or roughness) of plastic films:

- Abzac's control of **radial pressure**, which is specific to the winding of certain films, **increases the reliability** of the tube enabling further enhancement of performance features;
- Abzac also offers a range of **smooth tubes** with full control of the surface appearance to reduce the risk of marking the film.

### > Labels and adhesives:

The cardboard tubes and rings are cut to length with remarkable precision thanks to specific tooling. Particular attention is made to the packaging. Tubes can be marked or printed on the inside.

### > Textiles and non-woven products:

Thanks to a specific surface preparation facilitating the winding of the material, these tubes are ideally suited to on-line changing to avoid down-time.

### > The building and construction industry:

Thanks to over 50 years of experience in the manufacture of cardboard tubes, Abzac offers a wide range of robust, practical and lightweight **tubes and form-work solutions** for concrete.

### > Tight-sealed cartridges:

A range of dimensions (300 ml and 500 ml) with applicator tips for the packaging of glues, silicones and mastics. These composite tubes can be customised.



## The product range

References	Inside Ø	Thickness	Length	Features	Applications
<b>AZ Spiral cardboard tubes</b>	25 to 1000 mm	1 to 20 mm depending on Ø	5 mm to 10 m	Strength, tolerance, straightness depending on specifications	Winding of paper, board and plastic films
<b>AZ HR High resistance cardboard tubes</b>	Specific models Consult us for the different dimensions			Crush, dynamic load and vibration (E-modulus) resistance	Very high speed winding, unwinding and printing of heavyweight rolls
<b>AZ S Improved surface cardboard tubes</b>				Smooth surface, controlled waviness and roughness	Winding of thin films or papers
<b>AZ RC Radial compression cardboard tubes</b>				Control of tube contraction (squeeze effect and ovalisation)	Stretch plastic films
<b>AC Convolute cardboard tubes</b>	28 to 80 mm and 225 à 600 mm	2 to 10 mm depending on Ø and 3 to 30 mm	Up to 2050 mm	Straight, flexion resistance winding	Textiles, dyes and primers, metal sheets

## An environment-friendly approach

Thanks to its know-how and in-depth knowledge of cardboard, Abzac is able to meet all the requirements of the markets and end-users of cardboard tubes and cores. This expertise, coupled with its measurement capabilities, enables the Group to develop high performance, lightweight and progressive products.

Abzac is particularly attentive to the standardisation and weight reduction of its tubes. By reducing the use of raw materials, Abzac contributes to the preservation of natural resources. Its cardboard, tubes and sealing cartridges are ecological, fully recyclable and recycled.

As part of its constant policy drive for quality, Abzac meets all the requirements of the ISO 9001-V 2008 standard.

# The Abzac Group

## Local action, global reach

Founded in 1928, Abzac is one of the leading producers of cardboard tubes, cores and corners and fibre drums in Europe and Canada. Abzac, a private Group with a worldwide presence, has its head office in an 18th century mill near Bordeaux.

As a full industrial partner, Abzac benefits from all the necessary resources to be geographically close to its customers and markets through its network of production facilities.

A professional approach based on responsiveness, experience and know-how guarantees the development of specific and suitable solutions.



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