



COMPOUND BALANCED

THE MOST TRUSTED, MOST DURABLE COMPOUND BALANCED BELTS AVAILABLE



CAMBRIDGE
ENGINEERED SOLUTIONS



COMPOUND BALANCED (CB)

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STRONGEST CONSTRUCTION • BEST MANUFACTURING PRACTICES



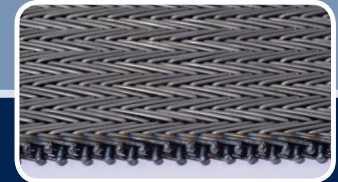
ENERGY SAVING OPTIONS

STRONGEST CONSTRUCTION

Cambridge CB baking bands are constructed with thicker, stronger wires than those used by other manufacturers. This makes Cambridge belts more durable and long-lasting than similar products on the market.

ENERGY SAVING ALTERNATIVE

CB3 belts are lighter weight than CB5 belts, but they are still sufficiently strong for many applications. Switching to CB3 belts can result in energy savings while maintaining a quality bake and excellent belt performance.



CB belts have a smooth, flat surface that offers excellent product stability. In oven applications, the surface provides consistent and even baking across the width of the belt..

BEST MANUFACTURING PRACTICES

When manufacturing Compound Balanced belts, it is important to flip sections of the mesh as the belt is assembled. This ensures that the belt will track properly.

When you look down the length of the belt, you should see subtle color variations between sections (see photo at right). Belts that don't have these color variations have not been assembled using best manufacturing practices, and they will be prone to problems with tracking and alignment.



APPLICATIONS

BAKING

CURING

DRYING

GLASS FEEDER BELTS

TRANSFERS, INFEDS & EXITS

WASHING

PROVEN RESULTS



A large commercial bakery switched to Cambridge CB5 Baking Bands and saw immediate improvements in belt tracking and performance. The Cambridge belt also had a significantly longer service life.



An international chemical company was experiencing metal contamination in their pigment dryer due to belt wear. They installed a Cambridge CB5 belt and the contamination problem was eliminated.



COMPOUND BALANCED (CB) TECHNICAL SPECIFICATIONS

COMPOUND BALANCED (CB) SPECIFICATIONS

SPEC	DIAMETER OF WIRE		CROSS SECTIONAL AREA		MAX WORKING TENSION*		WEIGHT	
	INCHES	MM	IN ² /FT	MM ² /M	LBS/FT	KG/M	LB/FT ²	KG/M ²
CB3(S)-30-56-12-14	.105 - .080	2.67 – 2.03	.904	1,913	4,342	6,460	7.26	35.43
CB3(S)-32-73-14-14	.080	2.03	.965	2,042	3,603	5,360	7.57	36.95
CB3-36-70-12-16	.105 - .063	2.67 – 1.60	.673	1,424	3,883	5,777	6.32	30.85
CB3(S)-94-184-21-24F	.031 - .023	0.79 – 0.58	.234	495	1,155	1,718	1.94	9.47
CB5(S)-28-90.5-16-16	.063	1.60	.873	1,847	332	494	2.92	14.25
CB5-27-84-14-17	.080 - .054	2.03 – 1.37	.703	1,488	1,125	1,674	4.20	20.50

Materials: Steel and Stainless Steel

Many additional standard and custom specs are available.

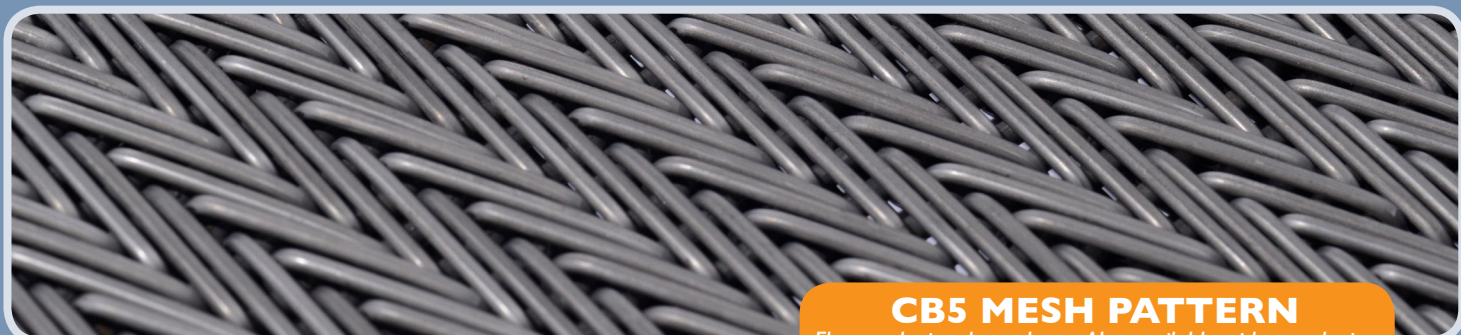
2-Rod Series (CB2) and 4-Rod Series (CB4) specifications also available.

***Max Working Tension is based on steel and stainless steel belts operating at temperatures to 600°F (315°C).**



CB3 MESH PATTERN

Round wire shown here. Also available with flattened wire.



CB5 MESH PATTERN

Flattened wire shown here. Also available with round wire.

CAMBRIDGE ENGINEERED SOLUTIONS

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CAMBRIDGE QUICK FACTS

Over 100 years in business

World's largest manufacturer of metal conveyor belts

Manufacturing facilities located in the United States, Mexico, and Brazil

Over 25 engineers and field technicians on staff

24/7/365 customer support

THE CAMBRIDGE APPROACH

There's a reason why "Engineered Solutions" is part of our name: We aren't just another metal belt manufacturer. We are engineers who are always looking for a better way to solve problems. Nothing gives us more satisfaction than helping our customers run their plants more efficiently and profitably.

AT YOUR SERVICE

In addition to designing a belt that is specific to your plant and objectives, we can help you with the following services:

Installation • Conveyor Modifications & Retrofits • Conveyor Evaluations
Conveyor Alignment • Troubleshooting Assistance • Technical Training
Maintenance Program Planning • Consignment Inventory Programs
Plant Surveys & Optimization

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