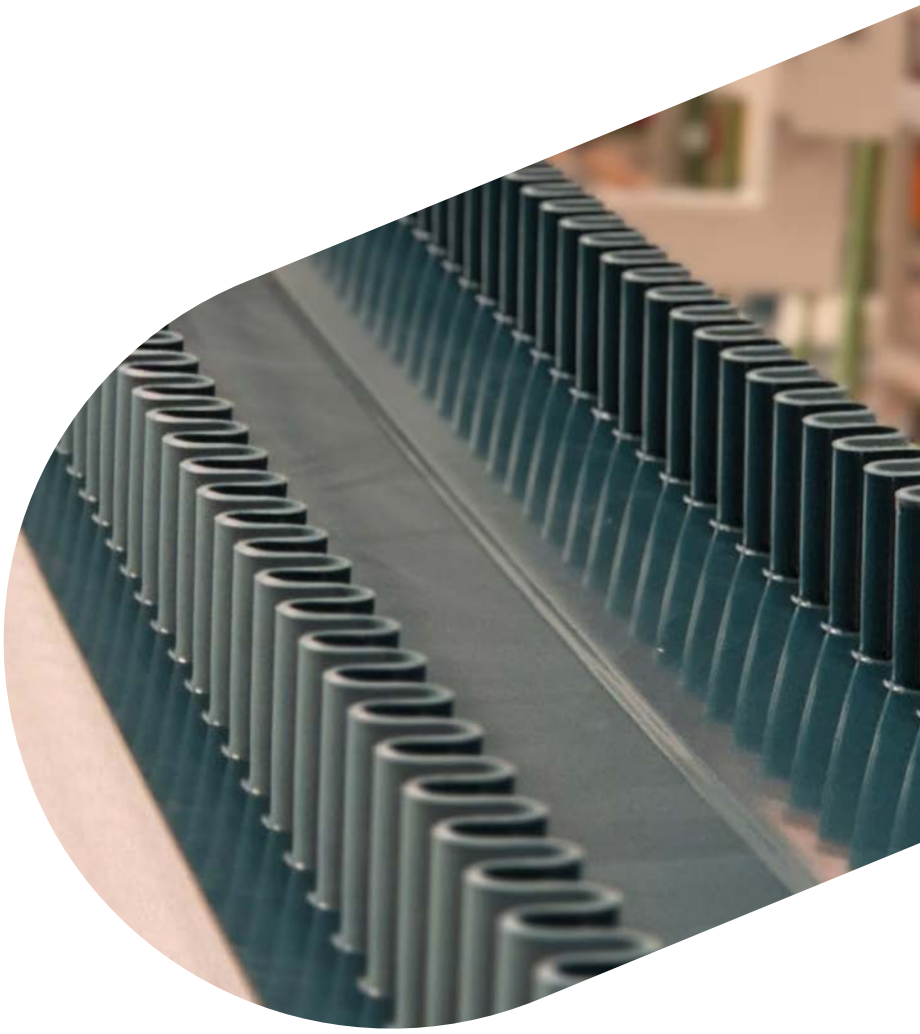
esbelt®

Breda
Series

Conveyor belts for demanding industrial applications requiring high resistance to mineral oils, chemicals, abrasion, and cuts.



Breda Series

PVC or TPU conveyor belts with excellent resistance to abrasion, cuts, chemicals, and mineral oils.

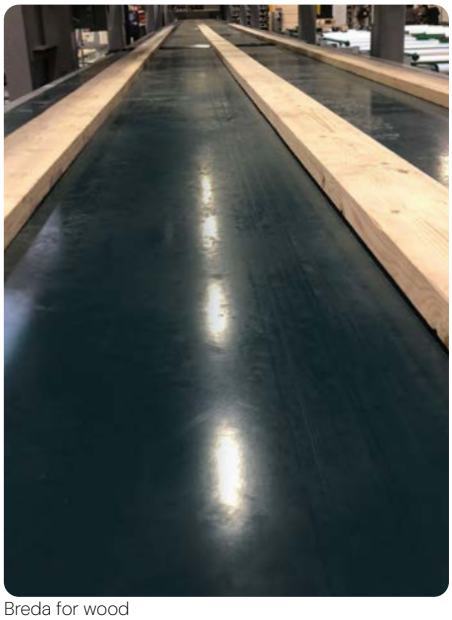
Guaranteed quality and durability

Most PVC conveyor belts face a common limitation: belts with high abrasion resistance usually offer low resistance to oils and chemicals, while belts formulated to resist oils and chemicals tend to perform poorly against abrasion and cuts.

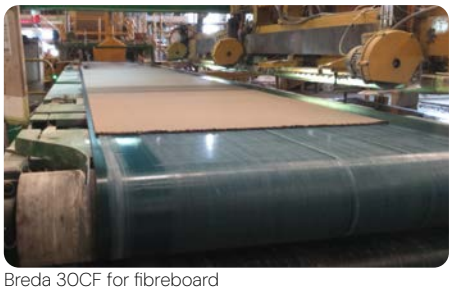
This shortcoming reduces belt durability, leading to cracks, premature wear, and deformation, which in turn requires frequent replacements.

Breda = Abrasion resistance + Chemical resistance

To address this common issue in industrial applications, esbelt® developed the Breda Series, featuring a PVC formulation that combines both properties. The range has also been expanded with TPU belts, offering even higher resistance to abrasion, cuts, oils, and chemicals.



Breda for wood



Breda 30CF for fibreboard

Breda 20CF with perforations

Breda 25CF with reinforced profiles for recycling

Advantages

High efficiency and operational reliability

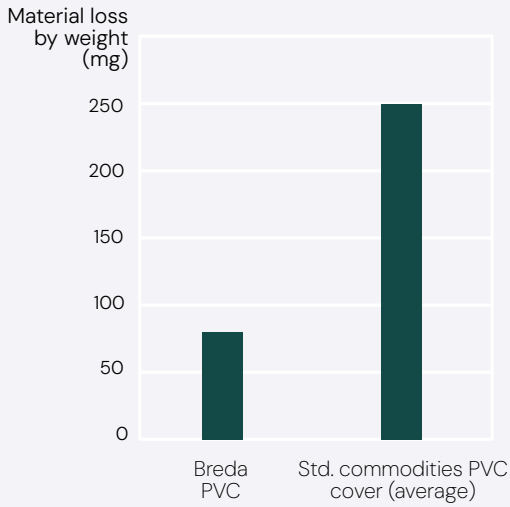
In production processes and lines operating under harsh conditions, the Breda Series offers high robustness and outstanding resistance. Being lighter than rubber belts, our Breda belts simplify installation, optimize operational performance, and ensure greater energy efficiency.

Easy installation and excellent tracking

Our Breda belts guarantee stable belt tracking from start-up and require minimal maintenance, helping to reduce downtime and operating costs.

Service life up to 3 times longer

Breda PVC belts offer a service life of up to three times longer than standard commodity PVC belts in applications involving abrasion and mineral oils, such as brick and roof tile manufacturing.



Comparative abrasion test ISO 5470-1

Taber Test H18/12,000 cycles

In the abrasion comparative tests, Taber Test, the Breda PVC belts lose 3 times less material due to abrasion compared to PVC commodity belts.

esbelt® Breda Series: all features essential for demanding applications, combined in one single product.

Properties

Antistatic

Reduces electrostatic charge buildup and adhesion, improving process safety.

Abrasion resistance

Minimizes wear caused by friction and impacts in continuous processes with aggressive materials.

Low coefficient of friction

Ensures smooth, efficient conveying with reduced energy consumption.

Resistance to oils and greases

Prevents premature belt deterioration thanks to high resistance to mineral oils, and chemical products.

Cut resistance

Thermoplastic covers protect the internal fabric from sharp and cutting materials, preventing belt failure due to fabric cuts.

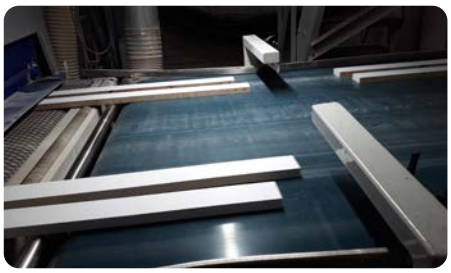
Fabrics with high transverse rigidity

Guarantee stable tracking even on very wide conveyors and allow the fixing of Runer® sidewalls and profiles.

Sectors and processes

The Breda Series is especially suitable for:

- **Recycling**: sorting, magnetic separation, optical separation.
- **Metal industry**: stamping, cutting, metal sheet winding.
- **Wood industry**: cutting, varnishing lines, pallets, panels.
- **Construction materials**: gypsum and fibre boards, fibreglass, rock wool, bricks, roof tiles.
- **Cardboard and paper**: cutters, folders, transfers, stackers.
- **Textile industry**: monoblock bale openers, printing, non-woven fabrics.
- **Logistics, printing, greenhouses**, among others.



Breda 12CF for particle board strips

Breda 22UF-TR for metal stamping

Breda 21UFMT-BK for optical sorting

Breda Series: when resistance makes the difference

Designed to maximize belt service life and process productivity, the Breda Series is the reference solution for industrial applications where reliability is not an option.

Globally committed, locally focused.

With subsidiaries in the USA, France, Germany, and Denmark, we deliver direct service to key markets.

We have a **network of distributors with workshops on five continents**. This allows us to offer proximity, specialized support, and responsive service anywhere in the world.

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Consult the general esbelt® product catalog

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