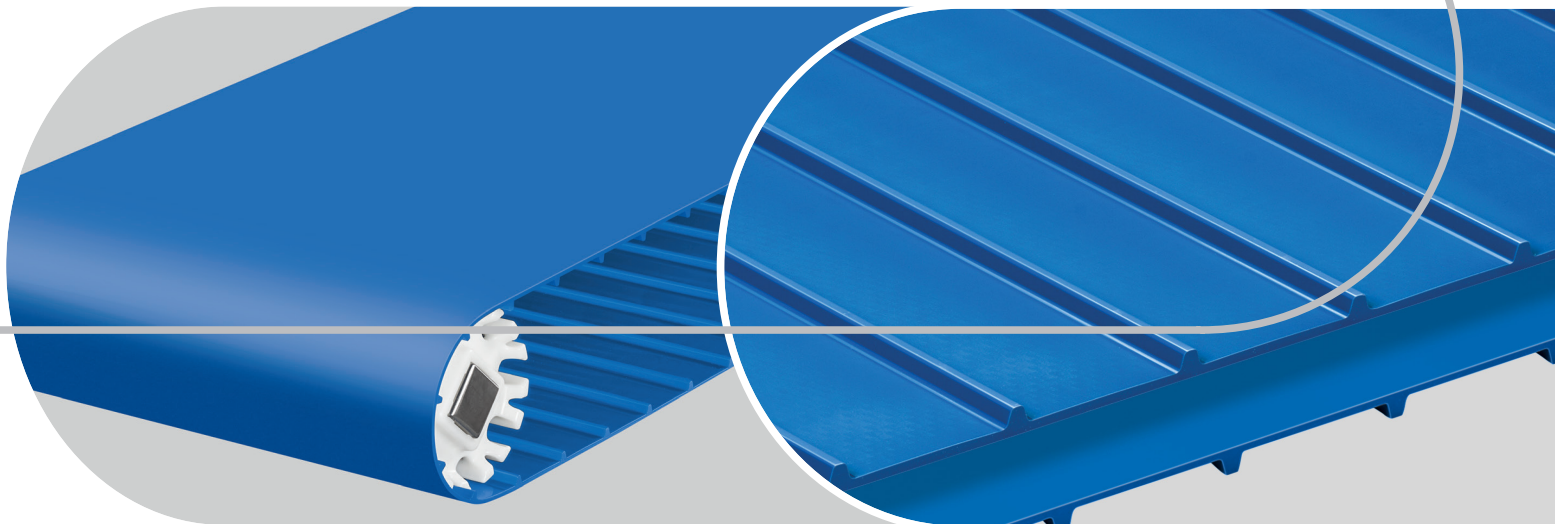


53D Habasit® Cleandrive Belts

Increased Lateral Stiffness and Abrasion Resistance



The food industry faces an increasing number of challenges. The industry strives to process food products quickly and efficiently to meet an increasingly demanding market. At the same time, strict hygienic standards and government regulations need to be followed. Failure to meet these goals can impact food safety and may lead to recalls, damaged brand reputation, or losing market share.

Enter the new range of 53D Habasit Cleandrive belts constructed of a harder thermoplastic polyurethane (TPU) compound.

With a shore hardness of 53D, an increase over our other Habasit Cleandrive options, the new belt range gains several advantages, including:

- 43% higher lateral stiffness
- Greater abrasion resistance

These enhanced capabilities allow the belts to be used in more applications. The higher lateral stiffness makes it ideal for wider conveyor applications and Z-conveyors. The increased abrasion resistance lengthens the belt's life and reduces the risk of soil and debris build-up.

Even with the increased robustness, the belt range maintains enough flexibility to be used in troughed applications and has a reduced coefficient of friction. The new belt range maintains the same great features you can depend on from Habasit Cleandrive belts.

Benefits of the 53D Habasit Cleandrive belt range

- Higher lateral stiffness and abrasion resistance
- Improved chemical resistance against chlorinated cleaning agents
- FDA and EU compliant
- Aramid cord reinforced design

53D Habasit® Cleandrive Belts

Key Features	Your Benefits
High material hardness	<ul style="list-style-type: none"> • Increased abrasion resistance • Resists cuts and abrasions from conveying sharp or abrasive products
High lateral stiffness	<ul style="list-style-type: none"> • Allows wider belt configurations, increasing throughput • Prevents the belt from curling up on the edges and requires less support • Increased performance in Z-conveyors.
Homogeneous TPU polyester material	<ul style="list-style-type: none"> • Smooth surface without indentations is easier to clean and scraper friendly • Improved resistance against chlorinated cleaning agents • Wide temperature range between 14 °F (-10 °C) and up to 194 °F (90 °C)
Aramid-reinforced design	<ul style="list-style-type: none"> • Limits elongation to less than 1% – eliminates the need for regular re-tensioning and shorting of belts. • Positive sprocket engagement; no need for complex tensioning devices

Delivering Proven Results

A Vietnamese fish processor struggled to find a robust belt to convey Pangasius fish. The processor conveyed between 1 and 1.2 tons of whole fish at a time. The fish's sharp fins heavily scratched the installed competitor belt, making it hard to clean. The competitor's belt also had to be frequently re-tensioned as it continuously stretched under heavy loads.

In need of a solution, they turned to Habasit's **CD.M50.S-EM.CBH** – part of the new 53D Habasit Cleandrive range.

The increased hardness of the 53D Habasit Cleandrive belt resists scratches and abrasions from the fish fins. After installation, the fish processor was glad to find far fewer scratches from the sharp fish fins on the belt's conveying side. Thanks to the belt's aramid cord reinforcement, it runs well under heavy loads with almost no elongation. The belt delivers better engagement of the belt drive bars with the sprockets and less friction on the sliding elements.

After 18 months, the belt continues to operate, with no elongation and a robust, easy-to-clean surface.



Contact your local Habasit representative to discuss additional capabilities needed to meet customer requirements.

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