



CONVEYOR BELTS & SPECIAL CONVEYING SOLUTIONS

ContiTech Finland Oy



ContiTech – Conveying Excellence

ContiTech is known for its innovative conveying solutions in many areas of industry as well as in mines and engineering works. We offer a large range of textile, aramid and steel carcass belts for different kind of applications. Our high-end rubber-technology guarantees the reliability, cost-efficiency and eco-friendliness for your conveyor systems. ContiTech is a division of Continental corporation – one of the world's biggest rubber companies.

ContiTech Finland Oy is a Finnish conveyor belt manufacturer and a part of ContiTech Conveyor Belt Group. Our history in producing conveyor belts in Tampere factory reaches back as far as 1916. We are the leading supplier for conveyor belts, components and services in Finland and acknowledged by customers world-wide for our flexible production capabilities, tailored products for specific customer needs and fast delivery times.

Due to our climate conditions and Finnish industrial structure, we are the expert in belting for wood and paper industry as well as biomass handling and conveying in cold temperatures. With our experience in these industries we offer you a wide range of unique belts to support even your most challenging conveyor applications.

With our skilled and experienced service team we offer you additional services like punching, in-house splicing and belt installations.

It's the application that counts

Our conveyor belts are manufactured using a variety of rubber compounds, and the choice of compound is based on the properties of the material to be conveyed as well as on the prevailing conditions. We are happy to help you to choose the product that best meets your needs.

Textile Belts

CONTIFLEX® textile belts are EP reinforced belts with a polyester (E) warp and a polyamide weft (P). The belts are suitable for a wide range of applications and are e.g. highly impact and chemical resistant. With their EP carcasses, the belts are also suitable for use with small-drum conveyor systems. The maximum width of our EP belts is 3200mm, and up to 5600mm with the help of longitudinal splices.

Steel Cord Belts

The carcass of a steel cord belt is made of steel cord reinforcements. These belts are capable of withstanding harsh conditions and are suitable for applications requiring long-distance conveyance (mining applications, power plants and ports). Max. width 6400mm, strength class up to 8500 N/mm.

Aramid Belts

These belts' carcasses are made of a single aramid fabric. They are an excellent alternative for steel cord belts when a lighter belt and shorter maintenance and installation breaks are required. Their fibrous composition also makes aramid belts superior to steel cord belts in applications requiring resistance to chemicals and corrosion. Strength classes reach from 500 to 2500 N/mm.

Wear-Resistant Belts

CONTIFLEX® Premium



Premium Y

Specially designed for transporting rock, gravel and ore, which demands a high degree of resistance to wear, abrasion and impact. The belts can additionally be equipped with a textile or steel breaker reinforcement when extra protection against impact and slit is required. **Premium Y** is an antistatic, multipurpose belt made of an SBR-based compound.

Premium X

Designed for conditions requiring a high degree of wear-resistance. Belt is made of a natural rubber compound.

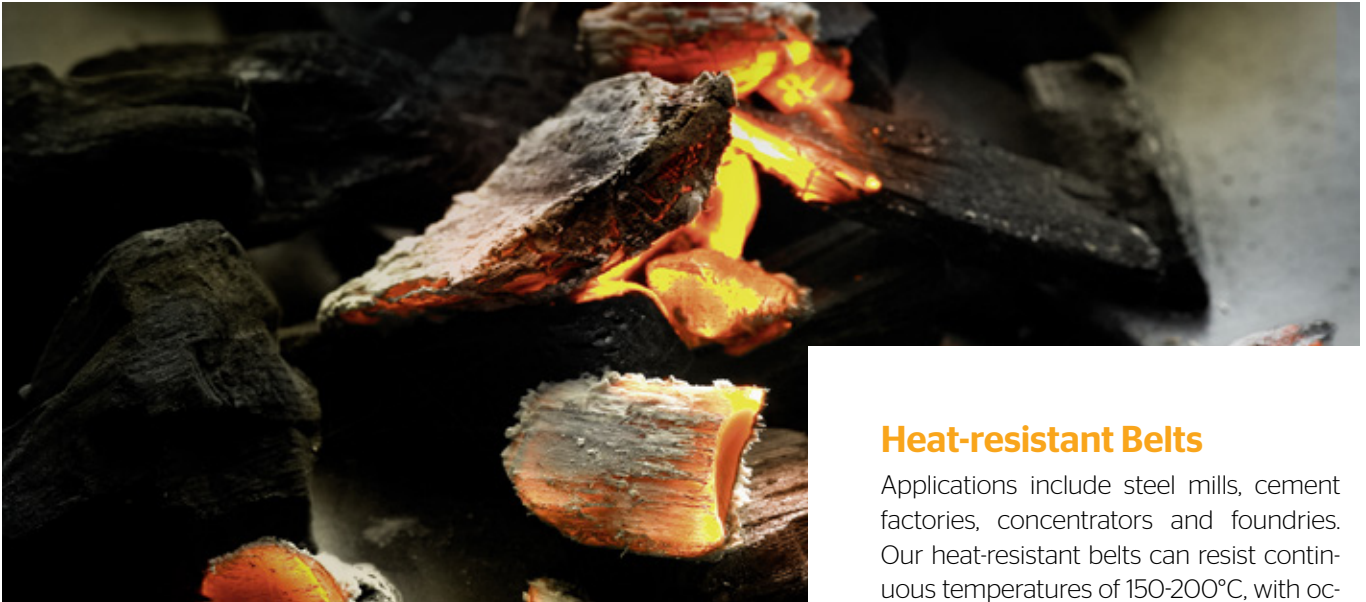
Polar R

A belt specially designed for cold conditions. Supplied e.g. to Chile, Mongolia and Siberia, where the conveyor's start-up temperatures can reach below -45°C.



Heat-Resistant Belts

CONTIFLEX® Retard, Termo and High Heat



Heat-resistant Belts

Applications include steel mills, cement factories, concentrators and foundries. Our heat-resistant belts can resist continuous temperatures of 150-200°C, with occasional temperature peaks up to 250°C. The maximum recommended temperature also varies depending on the processed material: powdery materials generally require a higher degree of heat resistance than grain shaped materials.

	Elastomer	Permanent material temperature, max.	Occasional temperature peaks, max.
Termo TXT	SBR	110 - 150°C	170°C
High Heat TC	CI-IIR	120 - 170°C	190°C
High Heat T	IIR-EPDM	120 - 170°C	190°C
Retard, Retard Super	EPM	150 - 200°C	250°C
Retard K	EPM	150 - 190°C	230°C

Retard RET

Retard RET is one of the best heat-resistant belts available. RET provides excellent heat resistance and high durability which explains why longstanding Retard users include e.g. well-known international steel mills. The **Retard Super** variant comes with a steel breaker reinforcement for extra protection, shielding the belt's carcass against burn-through and thus extending its service life. The **Retard K** variant has covers that are both heat and flame resistant.

Termo TXT

is the ideal choice when a lower degree of heat resistance is sufficient, and when the processed material may contain small amounts of oils. **Termo TXT's** suitability for a large range of temperatures and excellent weather resistance make it a multipurpose belt suiting for diverse applications.

High Heat T, TC

With a capacity for heat resistance situated between those of Retard and Termo, **High Heat T** has proved an excellent belt in e.g. coking plant, foundry, and sand drying applications. **High Heat TC** is an ideal choice when heat resistance needs to be accompanied by chemical resistance.

Flame-Resistant Belts

CONTIFLEX® Antiflame

Flame resistance is a necessary feature in many power plants, fertilizer factories, open-pit mining operations and, increasingly, in wood processing plants.

Antiflame S, Antiflame K

With its flame-resistant rubber covers and carcass, **Antiflame S** has excellent flame-resistance features. **Antiflame K** has standard quality carcass and can be used in applications where the risk of burning is low but still possible.

Antiflame VLS

A self-extinguishing, flame-resistant belt designed for use in open-pit mining operations. Antiflame VLS has been well received at several Nordic mining areas.



Flame-resistant Belts

Comply with the flame resistance requirements set by the ISO340 standard. Our flame resistant variants are ideal solutions when preventing the spreading of fire along the belt is a priority. While flame-resistant belts are rarely heat resistant, our RETK grade belts offer this exceptional combination of features thanks to the flame retardants we add to the cover rubber compound. We also manufacture belts resistant to both flames and oils.

	Properties
Antiflame K	Flame-resistant covers, standard carcass
Antiflame S	Flame-resistant covers and carcass
Antiflame VLS	Self-extinguishing, flame-resistant covers and carcass
Retard K	Flame and heat resistant covers, heat resistant carcass





Oil-Resistant Belts

CONTIFLEX® Antioil

We offer a comprehensive range of oil-, grease- and resin-resistant belts.

Antioil G

is a 100% NBR belt well suited for applications that require an extremely high degree of resistance to oil and grease.

Antioil G is the ideal solution when both, the belt's covers and its carcass, need to be oil resistant, e.g. when conveying materials containing mineral oils and greases.



Antioil GP

An oil-resistant belt for applications where a lower degree of oil resistance is sufficient. Generally used in e.g. waste processing and fertilizer conveyors. **Antioil GP** is suitable for use with resinous materials when a resin-resistant carcass is required.

Antioil GSR

is our recommendation especially for cold environments, where oil resistance must be accompanied by a resistance to flame as well as low temperatures. Most commonly used in the fertilizer industry, which additionally requires belts to withstand the presence of dust-binding agents. Complies with the flame resistance requirements of the ISO340 standard.

Antioil GK

The **Antioil GK** belt has oil- and flame-resistant covers and a standard quality carcass. Used by e.g. the timber and fertilizer industries. The GK variant also features outstanding adhesion between the textile reinforcements and the rubber cover, and is thus an excellent choice for elevators that require oil resistance. Complies with the flame resistance requirements of the ISO340 standard.

Wood and Paper Industries

CONTIFLEX® Pitch, Hiomo, Saha and PAP

Pitch GPP

A black, antistatic, resin-resistant conveyor belt. Applications include e.g. conveyors for woodchips, bark and other resinous materials. We also offer a profiled version of the GPP belt, which allows it to be used in inclining conveyors. For more information on profiles, see pp. 12-13.

Hiomo HI

Specially designed for use in the paper industry in groundwood plants' feeding conveyors. With its excellent tensile and tear strength, this belt has been constructed to withstand significant wear. Its wear-resistant surface extends the belts service life by preventing e.g. branch stumps protruding from processed logs from penetrating the rubber cover. These belts also have high adhesion between the textile reinforcements and the rubber cover.

Saha XP3

A blue coloured belt designed for sawmill industry applications which seek to prevent the discoloration of timber. Thanks to the belt's blue colour, sawdust, for example, is easier to detect during the process.

PAP W, PAP P

These profiled paper roll belts are robust conveyor belts designed for use by paper mills. In addition to the standard profiling, they are available with Nasta profiles which prevent the paper rolls from moving and reduce the black rubber stains. The PAP belts can also be manufactured with light-colored LCP rubber and a steel-reinforced Strongflex carcass.





White Belts

CONTIFLEX® White Food, Termo, Premium, Saha and Oil

White Food ALG, ALGK

are two of our white, oil-resistant belts well suited for food processing applications. The ALGK variant additionally features flame-resistant covers, and is thus also suitable for use in the sugar industry. The ALG and ALGK versions both comply with European norms regarding food processing (BfR XXI, category 4). ALGK also complies with the FDA standard.

White Food TERMO AT

A white, heat-resistant (120°C) belt for the food industry. AT complies with European norms regarding food processing (BfR XXI, category 3).

White Premium

A white multipurpose belt which is ideal when the belt must not discolor the conveyed material. Currently in use in e.g. paper roll conveyors as well as limestone and parceled goods processing.

White Saha GA

is an excellent solution for wood processing industry applications in which the belt must not discolor the conveyed material (e.g. sawn timber). The belt has limited resin-resistant properties, and its bottom rubber cover can be replaced with a sliding bottom fabric.

White Oil GAN

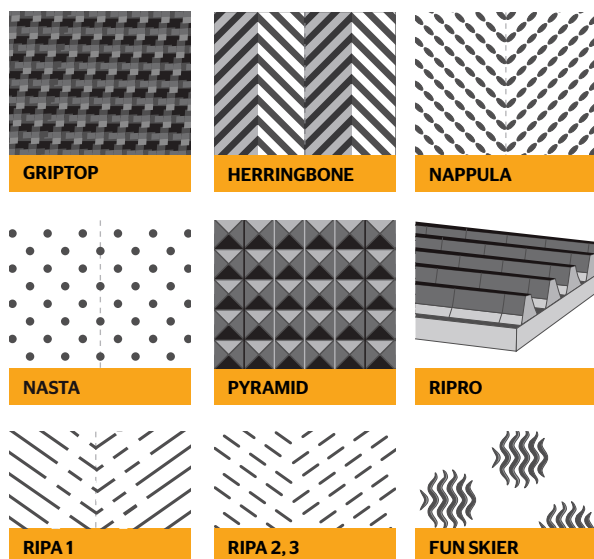
A light-colored belt made of a chloroprene compound. Suitable for use in e.g. detergent processing.

Profiled and Cleated Belts

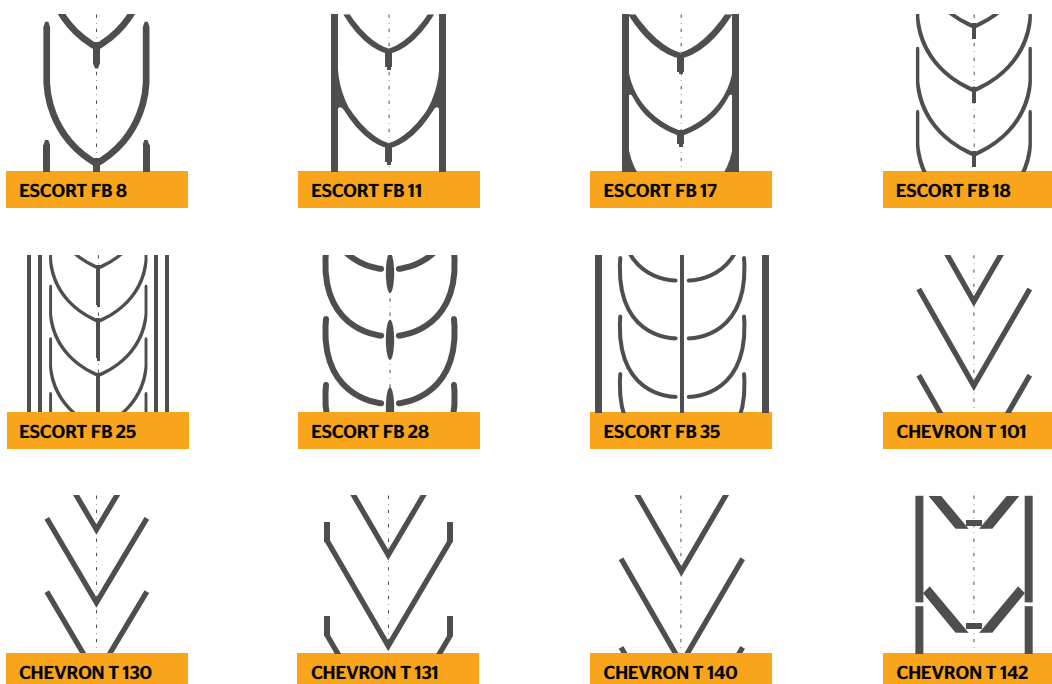
CONTIFLEX® Profiled Belts and U- and V-Shaped Cleated Belts



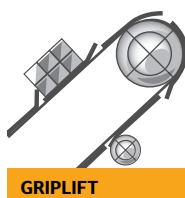
For your inclining conveyors, we offer a wide range of **profiled belts**. Our profiled belts are often used for wood chips and parcelled goods in inclining conveyors. Our **U- and V-shaped cleated belts** are well suited for conveying e.g. gravel and crushed stone, and for inclining conveyors where cover profiling is not sufficient. Depending on the application, a large range of profiles and types of rubber are available.



Profile	Belt Width mm	Min. cover thickness mm	Profile Height mm
Griplift	max. 650	4	25
Griptop	max. 1400	3	1
Herringbone	max. 1080	2	1
Nappula	400 - 1600	3	3
Nasta	400 - 1000	3	3
Pyramid 5	300 - 1500	3	2
Pyramid 12	300 - 1600	3	3
Ripa 1	400 - 1000	5	6
Ripa 2	650 - 1000	5	7
Ripa 3	1000 - 1600	5	8
Ripro	max. 1000	5	5
Fun Skier	max. 1000	4	4

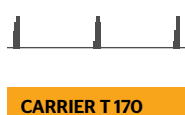


Cleat Type	Cleat Height mm	Profile Width mm	Cleat Width top/bottom	Belt Width mm
FB 8	15	300	12/20	300 - 500
FB 11	15	400	12/20	400 - 500
FB 17	15	500	12/20	500 - 650
FB 18	15	600	12/20	650 - 1000
FB 25	20	920	19/30	1000 - 1400
FB 28	35	500	13/23	500 - 800
FB 35	35	730	13/23	750 - 1000
T 101	10	300	10	300 - 500
T 130	15	350	18	350 - 600
T 131	15	460	18	460 - 600
T 140	15	550	18	500 - 800
T 142	35	500	25	500 - 650
T 170	70	full	7/25	300 - 800



GRIFLIFT

Bending cleats provide support for boxes and parcels on inclining conveyor. Cleat height 25mm.



CARRIER T 170

Cleat belt for e.g. potato and root vegetable processing. Cleat height 70mm, cleat distance 250mm.



Special Conveying Solutions

CONTIFLEX® Special Conveying Solutions



We also manufacture a wide range of special belting products to meet our customers' needs, and are always happy to develop new solutions. Over the course of the previous decades, we have realized numerous special conveying projects both, in Finland and abroad. Our sales personnel will be glad to provide you with more information on our products, including the Strongflex, Aramid and Straightwarp single ply belts, our solutions for ski resorts, amusement parks as well as pipe belts and splicing materials.



Compound Properties

PROPERTIES									
COM- POUND	Wear- resistant	Heat- resistant	Flame- resistant	Oil- resistant	Resin- resistant	Chemical- resistant	Cold- resistant	Suitable for food processing	Light- coloured
ALG				•				•	•
ALGK			•	•				•	•
AT		•						•	•
CE						•			
G				•	•				
GAN				•					•
GK			•	•	•				
GP				•	•				
GPK			•	•	•				
GPP					•				
GSR			•	•	•		•		
GT		•		•					
HI	•								
K			•						
KC			•			•			
LCP									•
R	•						•		
RET		•							
RETK		•	•						
S			•						
Saha GA				•					•
T		•							
TC		•				•			
TXT	•	•							
W / AA	•								
VLS			•						
X	•								
XP3					•				
Y	•								
Y-30	•								

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The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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