

All-Purpose Textile Conveyor Belts TransConti & ContiFlex

Continental Industrial Solutions EMEA

The first choice for material-driven solutions

ContiTech is one of the world's leading industry specialists. The Continental group sector offers its customers environmentally friendly, safe and convenient industrial and service solutions using a range of materials for off-highway applications, on rails and roads, in the air, under and above the ground, in industrial environments, for the food sector and the furniture industry – far beyond our roots as a manufacturer of rubber products.



Continental Conveying Solutions

Continental has over 100 years of experience in manufacturing textile belts. Our leading production sites in the EMEA region, particularly in Szeged and Northeim, offer a wide variety of cover qualities and utilize unique technologies like the DOBA technology to ensure the highest product quality and reliability. Our comprehensive range of high-performance conveyor belt systems is specifically designed for industrial applications. We set new standards and develop innovative solutions for the challenges of tomorrow.

R200 Stock Program

Faster Delivery, Better Prices, Top Quality

The new R200 stock program

With our new R200 stock program, we offer you enhanced delivery times optimized prices and selected designs and qualities of our TransConti and ContiFlex product lines in 200 m rolls. Immediately available from stock in Northeim and Szeged.



Advantages of the R200 stock program



Improved delivery times: Through our new efficient volume concept, we ensure better availability of prefabricated 200m rolls.



Attractive Pricing: We have carefully worked to optimize our pricing structure to offer you attractive prices without compromising on product quality or service.



Quality: The R200 belts are manufactured according to the highest quality standards by Continental.



Standardized lengths: The R200 belts are offered exclusively in 200-meter lengths, thereby simplifying handling and storage.

The R200 stock program provides...

with our all-purpose textile conveyor belt product lines - TransConti and ContiFlex - which are available in selected belt strengths and in various cover compound qualities (abrasion-, oil-, and heat resistant characteristics). Items marked with "R200" on the upcoming pages are stock items from the R200 stock program. All other items are regular made-to-order goods available on request.

TransConti

Precision and quality combined

TransConti is ideal for applications that require a homogeneous surface finish and low thickness tolerances. With a clearly defined product range, TransConti is available from stock in Northeim.



Manufacturing: Unique DOBA manufacturing in Northeim, Germany. Cut Edges.



Surface finish: Perfect surface finish for easy cleaning and highest quality standards.



Thickness tolerances: Lowest tolerances for excellent running properties.



Continuous vulcanization: Uniform surface texture - no heating transitions.



Defined belt strengths: From 200 to 800 N/mm.



Availability: Stock items in Northeim, Germany.



Technical Data

Belt Rating Belt strength / No. of plies	R200 Stock Program						
	TC 20/2	TC 25/2	TC 40/3	TC 40/3	TC 50/4	TC 63/4	
Belt thickness (mm)*	5,6	7,1	8,7	10,7	10,7	12,2	
Belt weight (kg/m²)*	6,5	8,3	9,9	12,2	12,3	14,4	
Step length (mm)**	180	180	200	200	200	200	
Minimum Pulley Diameter (mm)	Drive and high tension pulleys	315	315	400	400	500	630
	Tail and low tension pulleys	250	250	315	315	400	500
	Snub pulleys <30 degrees wrap angle	200	200	250	250	315	400
Cover Thickness (mm)	2:1	3:1,5	4:2	6:2	5:2	6:2	
Available Compound Qualities	Defender	Defender	Defender Gold Classic Solar Shield Classic Solar Shield Extreme	Defender	Defender	Defender	
Widths (mm)	375	500/650/1000	Defender in: 500/ 650/800/1000 Others in: 650/800	650/800/1000	650/800/1000	800/1000/ 1200	

* Typical Belt weight and typical Belt thickness can vary depending on selected compound.

** Step length for conventional bias step splice. For other types of splices such as finger or overlap please contact your Continental representative.



Application areas

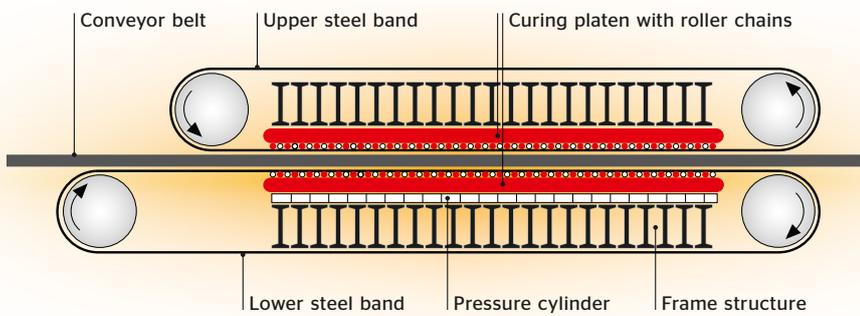
- › Construction Industry
- › Foundries
- › Wood Industry
- › Recycling Industry
- › Cement Industry
- › Potash and Salt Mining
- › Gravel plants



Cover Compounds

- › Defender
 - › Gold Classic
 - › Solar-Shield Gold
 - › Solar-Shield Classic and Solar-Shield Extreme
- (Details see pages 10-11)

Production process: Double-band units DOBA



Cut Belts								Produced on Demand			
TC Slide 25	TC 25/2	TC Slide 40	TC 40/3	TC 40/3	TC 50/3	TC 50/3	TC 63/4	TC 32/2	TC 50/3	TC 50/4	TC 80/4
6,0	8,0	6,9	7,6	8,7	9,5	11,6	15,3	8,0	11,6	9,7	12,7
7,3	9,5	8,4	8,7	9,9	11,1	12,4	17,8	9,5	12,4	11,1	14,9
180	180	200	200	200	200	200	200	180	200	200	250
315	315	400	400	400	500	500	630	315	500	500	630
250	250	315	315	315	400	400	500	250	400	400	500
200	200	250	250	250	315	315	400	200	315	315	400
2,5:0	4:2	2,5:0	3:1,5	4:2	5:1,5	6:2	8:3	4:2	6:2	4:2	6:2
Defender Gold Classic	Defender	Defender Gold Classic	Defender Gold Classic	Solar Shield Gold	Defender	Solar Shield Extreme	Defender	Defender	Defender	Defender	Defender
On Request								On Request			

TransConti & ContiFlex ensure reliable operation even under the most demanding conditions





ContiFlex

Custom Solutions for Every Need

ContiFlex offers a wider range of widths and strengths as well as custom combinations. The ContiFlex product line is more flexible in its application possibilities and is offered by various Continental plants („R200“ items from Szeged).



Manufacturing: Produced on modern vulcanization presses, specifically tailored to individual belt widths.



Product variety: Wide range of belts in multiply constructions and custom combinations.



Edges: Mainly moulded edges (cut edge also possible).



Cover qualities: Available in almost all qualities.



Width and strength: Up to 3.200 mm width and strengths from 250/2 to 3.600/6* N/mm.



Availability: R200 stock items in Szeged, Hungary - otherwise made to order.



Technical Data

Belt Rating Belt strength / No. of plies	R200 Stock Program						
	250/2	400/3	400/3	400/3	500/4	630/4	
Carcass thickness (mm)**	1,9	2,6	2,6	2,6	3,7	4,1	
Carcass weight (kg/m ²)**	2,1	2,9	2,9	2,9	4,5	4,5	
Step length (mm)***	180	200	200	200	200	200	
Minimum Pulley Diameter (mm)	Drive and high tension pulleys	250	400	400	400	500	500
	Tail and low tension pulleys	200	315	315	315	400	400
	Snub pulleys <30 degrees wrap angle	160	250	250	250	315	315
Cover Thickness (mm)	3:1,5	2,5:0	4:2	6:2	5:2	6:2	
Available Compound Qualities	Defender	Gold Plus	Defender	Defender	Defender	Defender	
Widths (mm)	400/500/ 650/800	650/800/1000/ 1200/1400/ 1600	500/650/ 800/1000/ 1200/1400	650/800/1000	650/800/1000/ 1200	650/800/1000/ 1200/1400	

* Available in strengths of up to 3.600/6 N/mm for the most demanding applications in our ContiFlex Plus product line.

** The typical values in the table above can vary depending on the manufacturing options and compound selections. For more precise values and needed calculations specific to each system please consult your Continental representative.



Application areas

- › Mining
- › Cement industry
- › Quarries
- › Paper industry
- › Recycling
- › Tunnel construction
- › Chemical industry
- › Construction industry
- › Fertilizer industry
- › Biomass
- › Power plants
- › Port handling
- › Steel industry
- › Agriculture
- › Glass/Ceramic industry
- › General cargo and logistics
- › Wood industry



Cover Compounds

- › Defender Series
 - › Stacker Series
 - › Gold Series
 - › Solar-Shield Series
 - › Survivor Series
 - › Monster Hide Series
 - › Shield Series
 - › Shield Flame Series
- (Details see next pages)



Produced on Demand

315/2	400/2	500/2	500/3	630/2	630/3	800/2	800/3	800/4	800/5
2,0	2,2	2,8	3,0	3,2	3,4	3,9	4,2	4,6	5,2
2,2	2,4	3,1	3,3	3,5	3,7	4,3	4,6	5,1	5,7
180	200	200	200	250	250	250	250	250	200
250	250	315	400	400	500	500	500	630	630
200	200	250	315	315	400	400	400	500	500
160	160	200	250	250	315	315	315	400	400

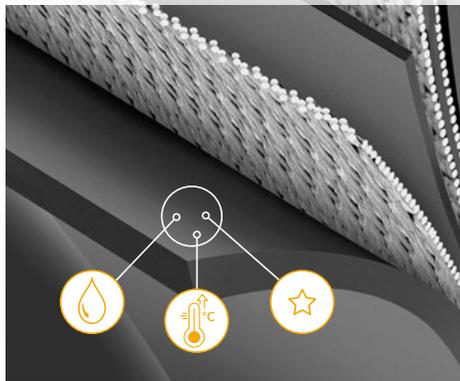
Additionally: Belt ratings from above 800 up to 3.600 N/mm in various cover qualities available on request.

*** Step length for conventional bias step splice.
For other types of splices such as finger or overlap please contact your Continental representative.

Cover Compounds and Belt Qualities

Protecting Your Investment with Continental

Continental cover qualities offer the perfect protection for your carcass. We offer a wide range of cover compounds, specifically tailored to your individual application requirements. The optimal combination of the right cover quality and belt construction ensures excellent performance and long belt life. This leads to lower costs per ton of material conveyed and reduced maintenance.



Advantages



Cost savings and efficiency: lower costs per ton of material conveyed and reduced maintenance.



Innovative compounds: high resistance to mineral oils and excellent heat resistance for demanding applications.



Wide variety: Tailored to meet specific needs.



Comprehensive research: supported by state-of-the-art research and development facilities.

Cover plate categories for various applications (see table):

- › **Heat resistance:** Solar Shield series
- › **Oil resistance:** Gold series
- › **Abrasion / Cutting / Impact:** Defender and Stacker series

Additional cover qualities for the most demanding conditions available as ContiFlex:

- › Survivor series, Monster Hide series, Shield series, Shield Flame series.

Belt Quality	Characteristics	International Standards	Performance Level in characteristics category	Features
Defender (Y)	Abrasion and Cut & Gouge Resistant	DIN Y	☆☆	Good combination of abrasion and cut & gouge resistance.
Stacker		DIN W ISO D	☆☆☆☆	Very good abrasion and cut & gouge resistance. Best combination for medium to heavy duty applications.
Stacker Plus		DIN X ISO H SANS M	☆☆☆☆☆	Best combination of very good abrasion and cut & gouge resistance for heavy duty applications.
Gold Classic	Oil Resistant	-	👉	Good resistance to animal fats and vegetable oils, moderately resistant to resin.
Gold Plus		-	👉👉	High resistance to resins, animal fats, and vegetable oils.
Gold Extreme		-	👉👉👉	High resistance to mineral oils, best possible oil resistance due to 100% NBR.
Solar-Shield Gold	Oil & Heat Resistant	ISO 4195 - Class I	👉👉👉👉	High mineral oil resistance, abrasion resistance, and heat resistance up to 125°C.
Solar-Shield Classic	Heat Resistant	ISO 4195 - Class II	👉👉	Very good heat and abrasion resistance up to 150°C.
Solar-Shield Plus		ISO 4195 - Class III	👉👉👉	Excellent heat resistance up to 200°C against hardening, cracking, and carcass delamination.
Solar-Shield Extreme		ISO 4195 - Class III	👉👉👉👉	Excellent heat resistance against hardening, cracking, and carcass delamination. Designed to handle hot material loads intermittently up to 400°C.

For information on our cover compounds available in the following belt qualities with ContiFlex, please contact your Continental sales representative: Survivor Series, Monster Hide Series, Shield Series, Shield Flame Series.



Gold Series: Oil-Resistant Belts

These belts provide solutions for a wide range of industrial applications, from different levels of oil resistance to handling oil-containing applications with low to high heat.



Application areas

- › Wood industry
- › Paper industry
- › Bulk material handling
- › Recycling
- › Fertilizer industry
- › Chemical industry
- › Agriculture
- › Construction industry



Solar-Shield Series: Heat-Resistant Belts

The belts of the Solar Shield series are specifically designed for use at varying material temperatures and provide optimal protection against damage from prolonged heat exposure. By preventing premature embrittlement of the belt surface and structural damage to the carcass, a longer lifespan and improved overall conveying performance are ensured.



Application areas

- › Cement industry
- › Steel industry
- › Metal processing
- › Fertilizer industry
- › Chemical industry
- › Coke plants
- › Recycling

Low Temperature (°C)	High Temperature (°C)	Typical Hardness ISO 48-4 (Shore A)	Min. Tensile Strength DIN 53504 (Mpa)	Min. elongation at break DIN 53504 (%)	Max. Abrasion Loss ISO 4649 - Method A (mm³)
-40	70	60	20	450	150
-50	70	60	18	400	90
-40	70	60	25	450	120
-20	70	63	16	400	150
-20	70	60	15	400	160
-20	100	60	12	400	200
-20	125	58	20	500	200
-40	150	58	20	400	130
-40	200	60	10	400	150
-40	400	65	20	450	120

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