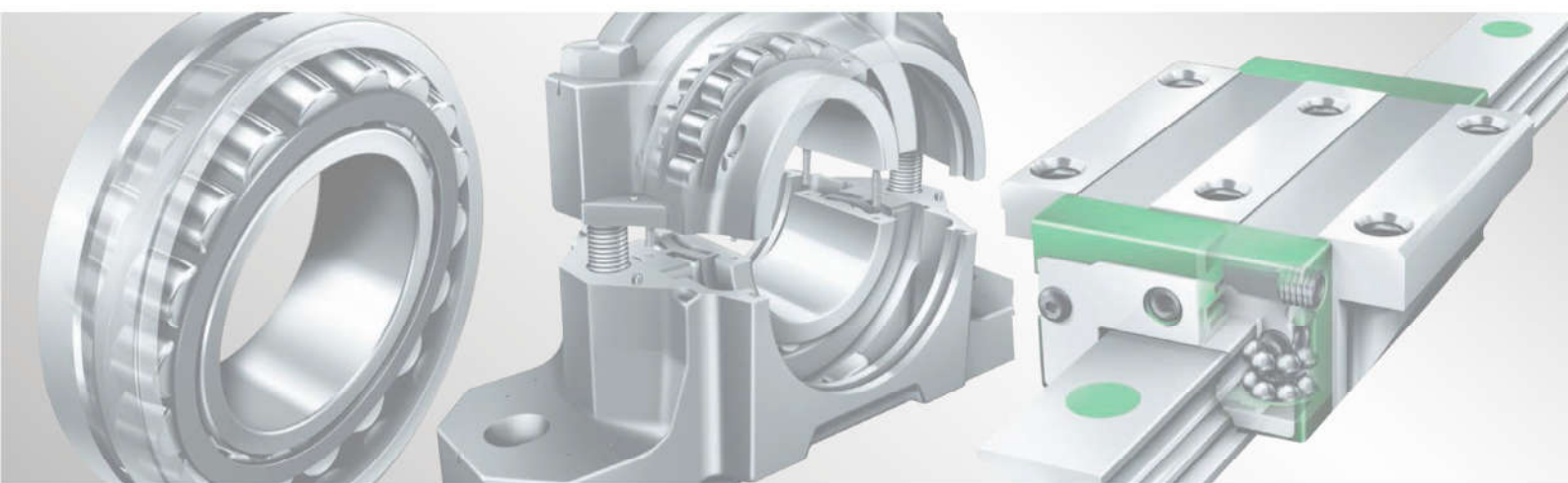


STAHLCORD

Para as mais duras exigências de transporte



PRODUTO - SERVIÇO - ENGENHARIA



STAHLCORD®

Conveyor belts for toughest
transport demands

STAHLCORD® Conveyor Belts

with high impact resistance



ContiTech Conveyor Belt Group

We are the leading manufacturer of conveyor belts, integrated in the ContiTech AG organization and thus part of Continental AG and Continental Corporation. We offer complete solutions - from textile and steel conveyor belts to special products and service materials. With locations close to our customers, we are able to provide comprehensive support for your conveyor belts and systems worldwide. With high-end conveyor technology from

ContiTech, material handling systems run reliably, cost effectively and are environmentally friendly. As a leading development partner with innovative conveyor belt technologies, we support the mining, machinery equipment construction as well as a host of other industries.

ContiTech Conveyor Belts
conveying excellence

Technical data (reference values)

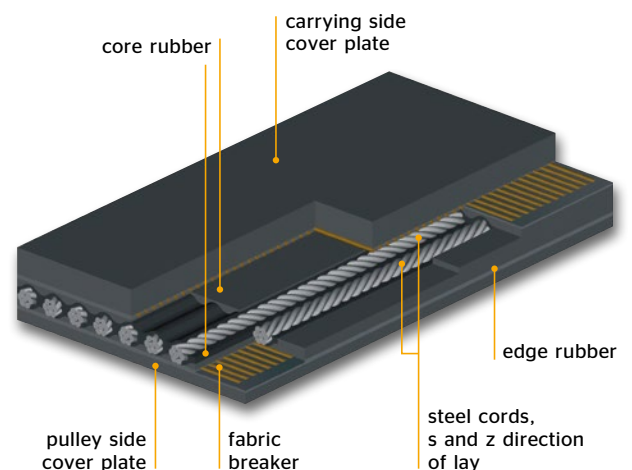
Type	Rated break. strenght	Cord diameter	Cord pitch	Belt splice		Belt width, for 30° trough, at least ³⁾	Diameter of the drive pulley, at least	Reference elongation at 10% of minimum breaking strength	Weight of belt core ⁴⁾	Minimum cover gauge
				Length l _v ¹⁾	No. of Steps					
	N/mm	mm	mm	mm		mm	mm	%	kg/m ²	mm
St 500	500	2.8	14	500	1	400	500	0.1 - 0.3	5.3	4
St 630	630	2.8	11	550	1				6.1	4
St 800	800	3.2	12	600	1	500	630		6.9	4
St 1000	1000	3.7	12	600	1				8.4	4
St 1120	1120	3.7	11	650	1				8.8	4
St 1250	1250	4.5	14	650	1				10.3	4
St 1400	1400	4.5	14	1000	2	650	800		10.3	4
St 1600	1600	5.1	15	750	1				11.9	4
St 1800	1800	5.1	13.5	1150	2				12.5	4
St 2000	2000	5.1	12	1150	2				13.3	4
St 2250	2250	5.1	11	1150	2	800	1000	13.7	4	
St 2500	2500	6.7	15	1350	2			19.1	5	
St 2800	2800	6.7	13.5	1450	2	800	1250	20.3	5	
St 3150	3150	7.6	15	1650	2			21.0	5.5	
St 3500	3500	8.1	15	2350	3			23.1	6	
St 4000	4000	8.7	15	2650	3	1000	1400	25.9	6.5	
St 4500	4500	9.3	16	2800	3			29.0	7	
St 5000	5000	10.4	17	4050	4			31.2	7.5	
St 5400	5400	10.8	17	4450	4			32.9	8	
St 6000	6000	10.8	16.5	²⁾	²⁾	1200	1600	0.15 - 0.3	34.3	8
St 6300	6300	12.3	20	²⁾	²⁾			1800	36.7	9
St 6600	6600	12.3	19	²⁾	²⁾			2000	38.1	10
St 7100	7100	13.2	20	²⁾	²⁾			2250	42.3	10
St 7500	7500	13.2	19	²⁾	²⁾			2500	42.3	10
St 10000	10000	14.1	19.2	²⁾	²⁾	²⁾	²⁾	²⁾	2)	10

* Other types on request

- ¹⁾ With skive. 0.3 x additional belt width. ²⁾ To be determined as per requirements. ³⁾ With cover thicknesses normally used.
- ⁴⁾ Belt weight: Add product of cover gauge (carrying side plus bottom side) and density.

STAHLCORD® conveyor belts have a layer of high-strength steel cords, aligned next to one another in a spaced planar arrangement and embedded in rubber. Thanks to their structure, the belts boast high impact resistance, even in the case of large-lump materials dropped from a considerable height STAHLCORD® conveyor belts also exhibit good troughability. Special inserts can be added to the cover stock for extra enhancement of impact behavior. CONTI-CROSS®, steel cord conveyor belts - like St 2000 T/T - have textile transverse reinforcement on both sides. This serves mainly to up resistance to impacts but also makes the belts more resistant to longitudinal slitting.

Conveyor belts with steel cables



Characteristics

DIN code letter	ContiTech quality labeling	Suitability/property	Permitted temperature range in °C				Tear strength ¹⁾	Elongation at tear ¹⁾	Abrasion ¹⁾	Density ¹⁾
			Sustained load		Peak load					
			min.	max.	min.	max.				
W	AA	Anti-abrasive	- 40	+ 60	- 50	+ 70	21	550	60	1.12
X, R	ATRB	For general materials handling jobs (max. demands)	- 50	+ 60	- 55	+ 70	28	550	100	1.09
X	XLL	Energy-efficient long-distance conveyance	- 50	+ 60	- 55	+ 70	22	450	100	1.10
X	TDVZ	Cut resistant for extreme mechanical stress	- 40	+ 60	- 45	+ 70	28	600	100	1.14
Y	ContiExtra	For general materials handling jobs	- 30	+ 60	- 35	+ 70	23	550	100	1.14
R	ContiClean*	To deal with severe fouling (dirt-repellent, even with very moist materials)	- 50	+ 60	- 55	+ 70	15	450	60	1.09
Y, K	FW ²⁾	Underground and surface mining (flame-resistant and anti-static)	- 40	+ 60	- 45	+ 70	23	500	100	1.19
V	V ²⁾	Underground (self-extinguishing)	- 5	+ 100	- 10	+110	23	500	135	1.43
T	Vulkan Classic	Transport of hot materials	- 30	+ 130	- 40	+150	25	600	100	1.14
G	Oil GR	Transport affected by oil and grease	- 40	+ 80	- 50	+ 90	19	600	85	1.13

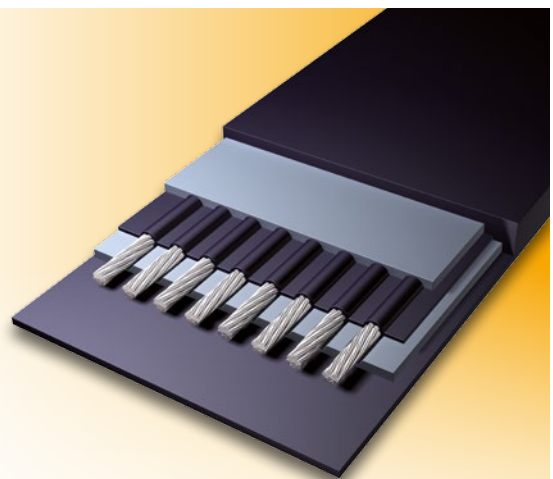
¹⁾ Statistic average; values do not allow for reliable statements as to real-life performance, such as, for example, wear or resistance to cuts.

²⁾ Materials used in underground hard coal mining must fulfill the specific requirements as defined by the respective mining authorities.

Covers with optimum properties

The STAHLCORD® range contains a broad selection of cover grades optimally adaptable to the respective applications. Their specific properties are the result of intensive research based on true-to-life testing procedures and wide-ranging field trials.

According to our complete range of steelcord conveyor belts ContiTech is in a leading position in development and design of splicing technologies. Following our splicing instructions and methods will lead to superior results of splicing strength. Our capabilities in splicing technologies are benchmark and based on decades of experience and our exceptional focus on research and development. For each belt supply splicing procedures are available.





Reproducible quality

The quality of STAHLCORD® conveyor belts is the result of production with state-of-the-art equipment employing the foremost technological methods.

All parameters of relevance to production - pretensioning of the cords, pressure of vulcanization press, temperature, compound viscosity and cord design - are exactly harmonized. The pretensioning of the cord is computer-monitored over the full production length and belt width. This makes it possible to measure and control the entire production process from beginning to end.

Conveyor belt production is tracked by a comprehensive quality assurance program that complies fully with the requirements of ISO 9001. The program draws heavily on the strict quality guidelines the ContiTech division applies in supplying the automotive industry. Alongside what is in the standard tests, properties like rubber penetration, troughability and the dynamic durability of the belt splices are also quality-controlled.

In addition to ensuring compliance with the requirements defined in the standards, the testing procedures are so flexible as to be adaptable to the customer's demands and the object being tested. If desired they can be documented by means of a certification process.

Tried and tested in long-distance conveyance in surface and underground mining

ContiTech Conveyor Belt Group offers STAHLCORD® conveyor belts in different designs and cover grades. Thanks to the high tensile strength of the steel cords, the belts are admirably suited to long-distance conveyance as well as to conveyor units involving major differences in height.

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- › Widths of up to 6,400 mm
 - › Steel and textile transverse reinforcement
 - › All strength classes
 - › Special cover compounds
 - › Fire-retardant and anti-static
 - › Roll weights of up to 60 tonnes
-



Rigorous quality assurance to ISO 9001 is routine for us.

ContiTech

Conveyor Belt Group

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Your local contact

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ContiTech. Smart Solutions Beyond Rubber

The ContiTech division of the Continental Corporation is one of the world's leading industry specialists. As a technology partner, our name is synonymous with expertise in development and materials for components made of natural rubber and plastics and also in combination with other materials such as metal, fabrics or silicone. By integrating electronic components, we are also generating solutions for the future.

Beyond products, systems and services we also provide holistic solutions and have a formative influence on the industrial infrastructure. We see digitalisation and current trends as an opportunity to work with our customers to add sustainable value - for both sides and for good.



1976 - 2019

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“Adicionamos movimento ao seu negócio!”