

Conveyor Belt Group

CONTI® Conveyor Belts
for the Automotive Industry



CONTI® Conveyor Belts

The economic alternative for the horizontal and vertical transport



As a result of the general trend toward a more human working environment and in the interest of rendering traction mechanisms less maintenance-intensive – if not completely maintenance free – special transport belts have been developed for the automotive industry and other application areas with similar needs.

The advantages these offer over traditional traction mechanisms – like chains or cables – are the following:

- ▶ quieter operation
- ▶ greater wear resistance
- ▶ little or no maintenance requirement
- ▶ invulnerability to overload
- ▶ rubber absorption for health care
- ▶ long service life
- ▶ joltless operation

What's more, steel cables enjoy an edge over textiles in the following respects:

- ▶ minimal elastic and plastic elongation ("creep")
- ▶ high dynamic strength – right down to the belt splice
- ▶ easy controllability, thanks to nondisruptive inspection methods and equipment that allow for constant verification of the condition of the cables

Application areas:

CONTI® Conveyor Belts transport longitudinally, laterally and vertically:

- ▶ passenger car bodysHELLS or truck cabs on skids
- ▶ partially assembled passenger cars on assembly platforms
- ▶ finished passenger cars on their own wheels
- ▶ workers at assembly lines
- ▶ pallets and skeleton containers used in material flow and warehouse operations



Technical data:

Standard type	Sliding belt S 501 GL-43CE-VSK S 502 GL	Supporting belt S 125 T-53CE-GIK	Skid queuing S 125 PH-35CE-GIK *	Lifting belt S 125 SX-33CE-GIK	Track belt S ... QST/ GL-SS-CE-VSK	Worker conveyance belt S ... QST/ GL-SS-CE-VSK
Nominal tensile strength	N/mm	500	1250	1250	1250	500 ... 2000
Nominal breaking force	kN	33,2/49,8/66,4/99,6	68,5/96,2/123,7	68,5/96,2/123,7	116 ... 546	–
Breaking elongation	%	ca. 2	ca. 2	ca. 2	ca. 2	ca. 2
Width	mm	55/80/110/160	55/80/100	55/80/100	75 ... 360	250 ... 2000
Thickness	mm	ca. 10	ca. 12	ca. 12	ca. 8,75	ca. 14–18
Weight	kg/m ²	ca. 14,05	ca. 17,6	ca. 17,6	ca. 14,1	ca. 21,5–28
Tensile member: steel cables	ø mm	2,8	3,85	3,85	2,8	2,8–4,8
Cover		black, 57° Shore A, KTL-proof, conditionously oil- and grease resistant				
		silicone-free	silicone-free	silicone-free	silicone-free	silicone-free
Running/bottom side sliding layer		synthetic-fabrics	–	–	–	synthetic-fabrics
Pulley diameter	mm	>230	>280	>280	>300	>355
Splice length	mm	400	1000	1000	–	520 ... 1200
Remarks		Options: endless ex works, bottom cover – sliding fabric		Options: rubber bracket, grooves	Option: wedged end fastener	Option: wheel stopper

* PH = with fasteners/PN = with gloves on one side
Further types (strengths, widths) available on request.

Skid sliding belts:

skids are moved on belts in dual arrangement, sliding along a flat surface and moving perpendicular to the longitudinal axis.

Skid-queuing belts:

arranged singly, they convey and queue up skids.

Supporting belts:

used in single or dual arrangement for longitudinal conveyance of skids or platforms.

Track belts:

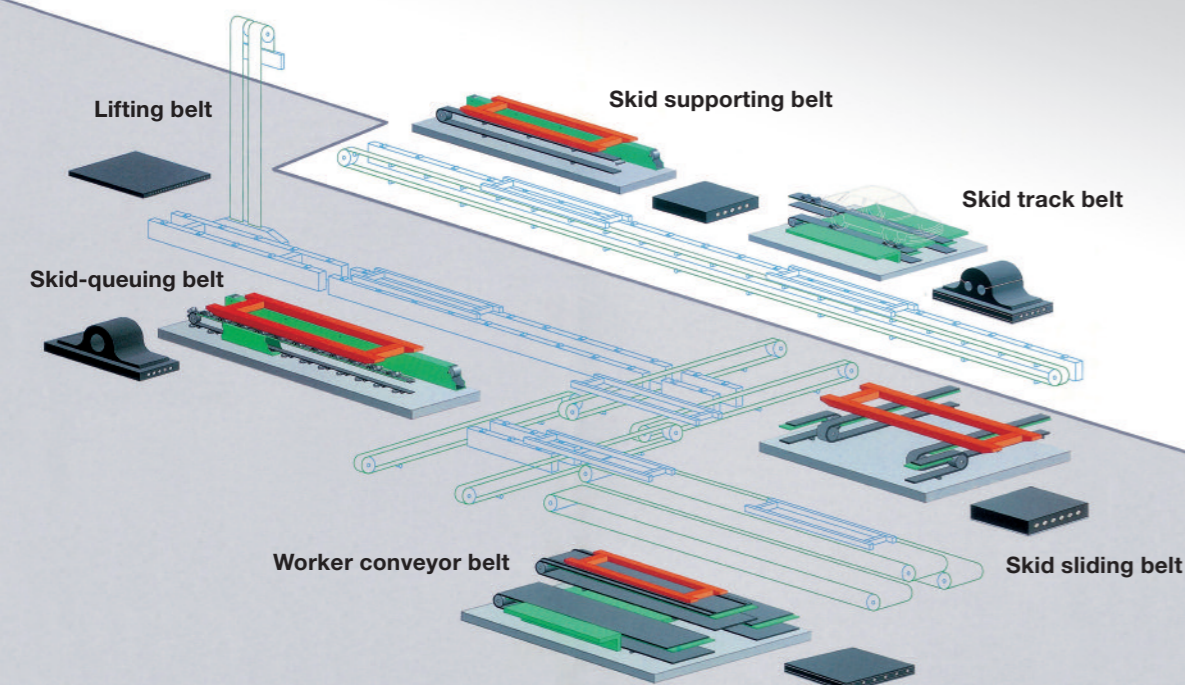
operating in dual arrangement, these belts transport finished passenger cars on it's own wheels in a longitudinal direction. Belts can be equipped with wheel stoppers.

Worker conveyor belts:

in single or multiple arrangement, these belts slide along a flat surface, transporting workers, skid-mounted vehicle bodies, finished passenger cars etc..

Lifting belts:

usually arranged in pairs, they lift and lower evenly distributed loads.



Keep on running

www.contitech.de
www.contitech-online.com



Conveyor Belt Group

Market segment
Engineered Products

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.

The content of this publication is provided for information only and without responsibility. ContiTech AG's obligations and responsibilities regarding its products are governed solely by the agreements under which the products are sold. Unless otherwise agreed in writing, the information contained herein does not become part of these agreements. This publication does not contain any guarantee or agreed quality of ContiTech AG's products or any warranty of merchantability, fitness for a particular purpose and non-infringement. ContiTech AG may make changes in the products or services described at any time without notice. This publication is provided on an "as is" basis. To the extent permitted by law, ContiTech AG makes no warranty, express or implied, and assumes no liability in connection with the use of the information contained in this publication. ContiTech AG is not liable for any direct, indirect, incidental, consequential or punitive damages arising out of the use of this publication. Information contained herein is not intended to announce product availability anywhere in the world. © 2010 ContiTech AG. All rights reserved.