



Continental 
The Future in Motion

Agricultural Conveying
Harvesting Better Solutions

www.contitech.us

ContiTech

Discover the Belting that Delivers a Higher Yield

From potatoes to grain and nuts to seed, agricultural products place high demands on conveyor belting. That is why you need a low-maintenance belt with high-performance qualities. One that can stand up to harsh environments, as well as provide maximum product flow. This is often difficult with granular and free-flowing materials like rice and corn. When it comes to conveying agricultural products, Continental ContiTech has the lightweight belting that is sure to meet your most stringent requirements.

You will find features designed especially for the agricultural industry:

- › Our durable HPC™ plied construction
- › Specially formulated PVGE™ compound for safe use in grain elevators
- › The continuous Z-Belt™ profile that can carry up to 30% more product

You will produce better results from innovations like these. And to Continental ContiTech, that is the measure of a great return. Call 1-888-LWT-BELT for more information.

Multi-plyed spun polyester

- › HPC™ Technology in two-, three- and four-ply construction
- › Superior tracking in both directions
- › Resistance to edge wicking and curling
- › Exceptional splicing capabilities

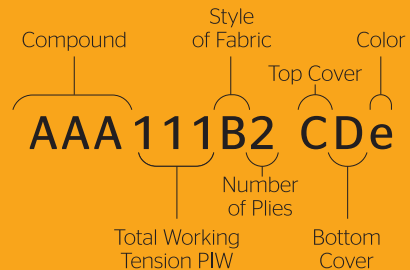
Multi-plyed monofilament

- › Covers a wide range of precision applications
- › Transversely rigid, HPC™ construction permits the use of low energy drives and small pulley diameters in high-speed conveying conditions
- › Unique fabric design offers edge wear resistance, a low coefficient of friction fabric surface, and maximum flexibility in the warp direction

Single-plyed interwoven

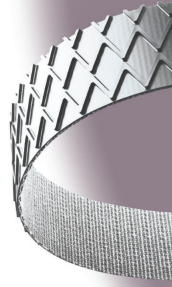
- › High-quality polyester warp yarns are woven and bound together with the weft yarns
- › Interwoven carcass offers superior splice retention, tear resistance and low stretch qualities for general conveying

**Continental ContiTech
Lightweight Belt Coding System**



Z-Belt™ PVG™ Compound, Multi-Plied Spun Polyester and Interwoven

For the highest returns on product flow



Z-Belt™ Mini

- › **Exclusive Z-Belt™ profile features a unique continuous design:**
 - Carries up to 30% more product in most cases
 - Reduces noise level and vibration on return side idlers
 - Provides better drainage when transporting wet materials
- › **PVG™ compound provides:**
 - Moderate oil resistance
 - Excellent slider abrasion resistance
 - Low temperature to -20°F (-29°C), intermittent
- › **Available in two carcass constructions**
- › **Multi-ply spun polyester carcass with HPC™ technology increases strength and durability:**
 - Superior tracking in both directions
 - Resistance to edge wear, wicking and curling
 - Flexibility over small pulleys
 - Thermo-Flo™ splicing capabilities
- › **Interwoven carcass is ideal for general conveying:**
 - Fusion and high impregnation provides superior fastener retention, tear resistance and low stretch qualities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft. ²	kg/m ²		Approx.	in.	mm	°F
PVG 150H2 ZBb-1	2	150	26	0.245	6.2	1.07	5.2	0.25	4.0	102	-20 -180°	-29 -82°
PVG 150H2 ZFb-1	2	150	26	0.245	6.2	1.08	5.2	0.30	4.0	102	-20 -180°	-29 -82°
PVG 220S2 ZNb-2	2	220	39	0.465	11.8	1.92	9.3	0.50	8.0	203	-20 -180°	-29 -82°
PVG 120S1 ZBb-1	1	120	21	0.245	6.2	1.00	4.8	0.25	3.0	76	-20 -180°	-29 -82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 150H2 ZBb-1	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1XSP or UX1SP	7	125
PVG 150H2 ZFb-1	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1XSP or UX1SP	7	125
PVG 220S2 ZNb-2	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	N/A	25	N/A
PVG 120S1 ZBb-1	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	1XSP or UX1SP	7	125

**Fastener manufacturer should be consulted to review specific belt and application information

PVGE™ Compound, Multi-Plied Spun Polyester, Grain Elevators

The cream of the crop for tough applications

› **PVGE™ compound meets with OSHA and MSHA approval:**

- Moderate oil resistance
- Excellent slider abrasion resistance
- Fire retardant, meeting MSHA test 30-18.65
- Low temperature to -20°F (-29°C), intermittent
- Static dissipative, meeting OSHA requirements of 300 megohms or less (with cover on both sides)

› **HPC™ multi-ply spun polyester carcass is ideal for grain elevator use:**

- Designed for both conveying and elevator applications
- Superior tracking in both directions
- Good bucket holding capability
- Resistance to edge wear, wicking and curling
- Flexibility over small pulleys
- Thermo-Flo™ splicing capabilities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW* kN/m	in.	mm	lb./ft. ²	kg/m ²	Approx.		in.	mm	°F	°C
PVGE 220S2 NNb	2	220	39	0.250	6.4	1.55	7.5	0.50	5.0	127	-20-180°	-29-82°
PVGE 330S3 NNb	3	330	58	0.330	8.4	2.06	10.0	0.50	8.0	203	-20-180°	-29-82°

*Elongation less than 2% at specified PIW

Max Bucket Projection	PVGE 220S2 NNb	6 in.
	PVGE 330S3 NNb	7 in.

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVGE 220S2 NNb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 330S3 NNb	Finger, Skived Bias	N/A	N/A	N/A

**Fastener manufacturer should be consulted to review specific belt and application information

PVGE™ Compound, Interwoven Carcass, Grain Elevators

Engineered for peak performance



- **PVGE™ compound is specially designed for agricultural use:**
 - Moderate oil resistance
 - Static dissipative, meeting OSHA requirements of 300 megohms or less (with cover on both sides)
 - Excellent slider abrasion resistance
 - Fire retardant, meeting MSHA test 30-18.65
 - Low temperature to -20°F (-29°C), intermittent
 - Good wear characteristics

- **Interwoven carcass is ideal for grain handling:**
 - Designed for use in bucket elevators
 - Fusion and high impregnation provides superior fastener retention, tear resistance and low stretch qualities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW* kN/m	in.	mm	lb./ft. ²	kg/m ²	Approx.		in.	mm	°F	°C
PVGE 200S1 CNb	1	200	35	0.230	5.8	1.51	7.3	0.50	4.0	102	-20-180°	-29-82°
PVGE 250S1 CNb	1	250	44	0.250	6.4	1.64	7.9	0.50	6.0	152	-20-180°	-29-82°
PVGE 350S1 Cmb	1	350	61	0.295	7.5	1.84	8.9	0.50	8.0	203	-20-180°	-29-82°
PVGE 450S1 Cmb	1	450	79	0.350	8.9	2.20	10.6	0.50	10.0	254	-20-180°	-29-82°
PVGE 600S1 Cmb	1	600	105	0.370	9.4	2.40	11.7	0.50	12.0	304	-20-180°	-29-82°
PVGE 750S1 Cmb	1	750	131	0.400	10.16	2.90	14.15	0.50	12.0	304	-20-180°	-29-82°

*Elongation less than 2% at specified PIW

Max Bucket Projection	PVGE 200S1 CNb	6 in.
	PVGE 250S1 CNb	6 in.
	PVGE 350S1 Cmb	7 in.
	PVGE 450S1 Cmb	8 in.
	PVGE 600S1 Cmb	11 in.
	PVGE 750S1 Cmb	11 in.

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVGE 200S1 CNb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 250S1 CNb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 350S1 Cmb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 450S1 Cmb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 600S1 Cmb	Finger, Skived Bias	N/A	N/A	N/A
PVGE 750S1 Cmb	Finger, Skived Bias	N/A	N/A	N/A

**Fastener manufacturer should be consulted to review specific belt and application information

PVG™ Compound Multi-Plied Spun Polyester

Lives up to the task in extreme conditions

- **PVG™ compound is specially designed for agricultural use:**
 - Moderate oil resistance
 - Excellent slider abrasion resistance
 - Low temperature resistance to -20°F (-29°C), intermittent
- **Multi-plied spun polyester carcass with HPC™ technology increases strength and durability:**
 - Superior tracking in both directions
 - Resistance to edge wicking and curling
 - Flexibility over small pulleys
 - Superior adhesions provide improved belt wear
 - Thermo-Flo™ splicing capabilities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature	
		PIW*	kN/m	in.	mm	lb./ft. ²	kg/m ²		Approx.	in.	mm	°F
PVG 50V DFb	1	50	9	0.065	1.7	0.43	2.1	0.30	1.0	25	-20-180°	-29-82°
PVG 150H2 NBb	2	150	26	0.140	3.6	0.94	4.5	0.25	2.5	64	-20-180°	-29-82°
PVG 150H2 NFb	2	150	26	0.140	3.6	0.97	4.7	0.30	2.5	64	-20-180°	-29-82°
PVG 150H2 NNb	2	150	26	0.160	4.1	1.05	5.1	0.50	2.5	64	-20-180°	-29-82°

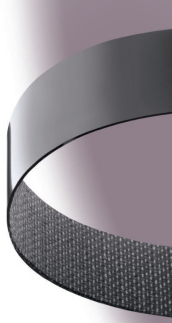
*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 50V DFb	Finger, Skived Bias, Mechanical Fasteners	N/A	N/A	N/A
PVG 150H2 NBb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2SP or U2SP	7	125
PVG 150H2 NFb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2SP or U2SP	7	125
PVG 150H2 NNb	Finger-Over-Finger, Finger, Bias Stepped, Skived Bias, Mechanical Fasteners	2 or U2	15	125

**Fastener manufacturer should be consulted to review specific belt and application information

PVG™ Compound, Interwoven Carcass

For value that lasts season after season



› **PVG™ compound is specially designed for agricultural use:**

- Moderate oil resistance
- Excellent slider abrasion resistance
- Low temperature to -20°F (-29°C), intermittent
- Good wear characteristics

› **Interwoven carcass is ideal for general conveying:**

- Fusion and high impregnation provides superior fastener retention, tear resistance and low stretch qualities

Description	Plies	Working Tension		Approx. OAG		Weight		COF	Pulley Diameter		Temperature			
		PIW* kN/m		in.	mm	lb./ft. ²	kg/m ²		Approx.	in.	mm	°F	°C	
PVG 100S1 CBb	1	100	18	0.110	2.8	0.64	3.1	0.25	1.5	38	-20	-180°	-29	-82°
PVG 120S1 CBb	1	120	21	0.135	3.4	0.80	3.9	0.25	2.0	51	-20	-180°	-29	-82°
PVG 150S1 CBb	1	150	26	0.165	4.2	0.96	4.6	0.25	2.5	64	-20	-180°	-29	-82°
PVG 150S1 CNb	1	150	26	0.180	4.6	1.11	5.4	0.50	2.5	64	-20	-180°	-29	-82°

*Elongation less than 2% at specified PIW

Description	Splicing Methods	Recommended Fasteners**		
		Clipper	Alligator	Staple
PVG 100S1 CBb	Finger, Skived Bias, Mechanical Fasteners	1XSP or UX1XSP	7	62
PVG 120S1 CBb	Finger, Skived Bias, Mechanical Fasteners	1 or UX1	7	125
PVG 150S1 CBb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125
PVG 150S1 CNb	Finger, Skived Bias, Mechanical Fasteners	2 or U2	20	125

**Fastener manufacturer should be consulted to review specific belt and application information

ContiTech



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ContiTech. Engineering Next Level

As a division of the Continental Group, ContiTech is a recognized innovation and technology leader in natural rubber and plastics. As an industry partner with a firm future ahead of us, we engineer solutions both with and for our customers around the world. Our bespoke solutions are specially tailored to meet the needs of the market. With extensive expertise in materials and processes, we are able to develop cutting-edge technologies while ensuring we make responsible use of resources. We are quick to respond to important technological trends, such as function integration, lightweight engineering and the reduction of complexity, and offer a range of relevant products and services. That way, when you need us, you'll find we're already there.



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