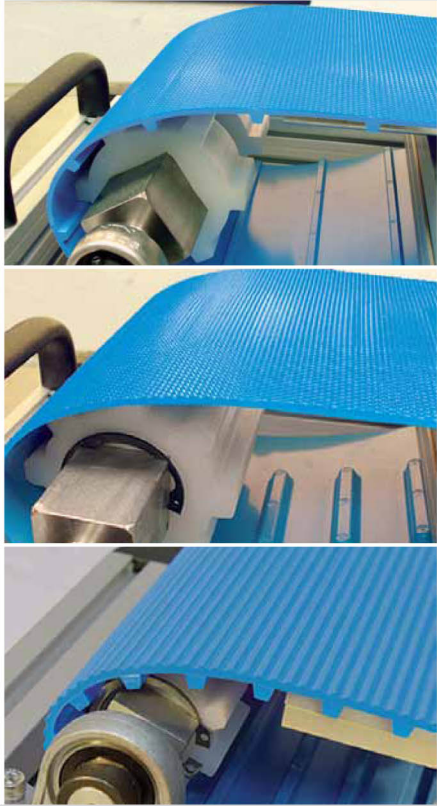




BELTING
Technology

Conveying Solutions
Positive Drive Line

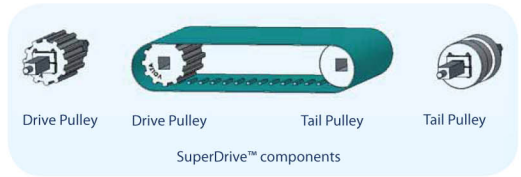


The Next Step in Belting

SuperDrive™

Th!nk Positive, Th!nk SuperDrive™

SuperDrive™, the homogeneous positive drive belt, globally applauded as the best choice where hygiene control and conveying efficiency are essential. This distinctive design combines positive drive benefits with Volta's firm commitment to superior quality, increasing hygiene standards and productivity.



- Eliminates Off-Tracking
- Extremely Hygienic



ITE
Impression Top Embossed



ITO-50
Impression Top Oval

Smooth Top SuperDrive™ Belts											
Product & Color		Shore Hardness	Temperature Range	Coefficient of Friction on Steel (Bottom)	Thickness		Minimum Pulley Diameter*		Maximum Pull Force**		Approvals
					mm	mm	Inch	kg/cm	lbs/in		
FHB	Blue	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
					6	280	11	14	78.40		
FHW	Yellow	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.20	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
FMB	Blue	53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3¼	6.25	35	FDA/ USDA/ EU	
					4	120	4¾	8	44.80		
					6	240	9¾	12.50	70		
FMW	Yellow	53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3¼	6.25	35	FDA/ USDA/ EU	
					4	120	4¾	8	44.80		
Impression Top SuperDrive™ Belts											
FHB - ITO 50	Blue	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
FHW - ITO 50	Yellow	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
FHB - ITE	Blue	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
FHW - ITE	Yellow	55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU	
					4	140	5½	9	50.40		
FMB - ITO 50	Blue	53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3¼	6.25	35	FDA/ USDA/ EU	
FMB - ITE	Blue	53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3¼	6.25	35	FDA/ USDA/ EU	
FMW - ITE	Yellow	53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3¼	6.25	35	FDA/ USDA/ EU	
Low Temperature (LT) SuperDrive™ Belt											
FMB - LT	Blue	95A/ 46D	-35° C to 35° C -31° F to 95° F	0.55	3	80	3¼	3	16.80	FDA/ USDA/ EU	

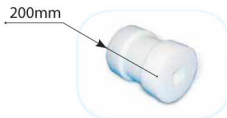
Note: *Minimum Pulley Diameter - Normal Flex. Dimensions are relevant for ambient temperature above 0° C / 32° F.

**Maximum Pull Force - In kg/cm width & lb/in Width.

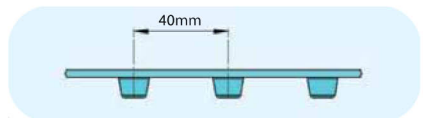
Declaration of Conformity in compliance with EU Regulations No. : 10/2011, 1935/2004 and Directive 2002/72/EC. Suited to HACCP standards.



SuperDrive™ Drive Pulley



SuperDrive™ Tail Pulley



Pitch size for reference only

DualDrive

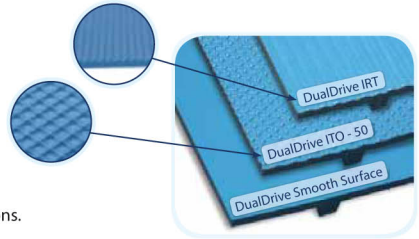
When increased hygiene standards are needed, the DualDrive belt is ideal for replacing existing modular belts

- Minimal retrofit is required. DualDrive can run on certain types of existing sprockets although our own sprocket design will ensure longer life and optimal performance.
- DualDrive is a fully extruded positive drive belt featuring a smooth homogeneous character & integral teeth on the drive side which can act as built-in cleats when necessary.



Mechanical Benefits:

- Eliminates modular components that require extensive cleaning and lengthy soaking.
- Greatly reduced noise levels when compared to modular belting.
- Integrated teeth prevent slippage of the belt.
- No belt pretension needed, avoiding elongation and increasing belt life.
- Extruded in 30 or 60m. (100 or 200 ft.) lengths and 1524mm (60") width.



Material Features:

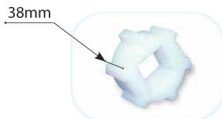
- Smooth or impression textured homogeneous surface.
- Impression top textures are also available for special non-stick applications.
- No ply or fraying threads.
- Easy and effective cleaning.
- No cracks or crevices that can potentially harbor bacteria.

Smooth Top DualDrive Belts										
Product & Color		Shore Hardness	Temperature Range	Coefficient of Friction on Steel (Bottom)	Thickness	Minimum Pulley Diameter*		Maximum Pull Force**		Approvals
					mm	mm	Inch	kg/cm	lbs/in	
FHB		55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU
FHW		55D	-20° C to 75° C -5° F to 170° F	0.40	3	100	4	7	39.2	FDA/ USDA/ EU
FMB		53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3/4	6	33.6	FDA/ USDA/ EU
					4	120	4 3/4	7.7	43	
FMW		53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3/4	6	33.6	FDA/ USDA/ EU
Impression Top DualDrive Belts										
FMB - ITO 50		53D	-20° C to 60° C -5° F to 140° F	0.50	3	80	3/4	6	33.6	FDA/ USDA/ EU
FMB - IRT		53D	-20° C to 60° C -5° F to 140° F	0.50	4	100	4 3/4	7.7	43	FDA/ USDA/ EU
Low Temperature (LT) DualDrive Belt										
FMB - LT		95A/ 46D	-35° C to 35° C -31° F to 95° F	0.55	3	80	3	3	16.80	FDA/ USDA/ EU

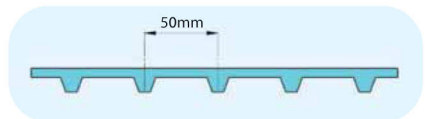
Note: *Minimum Pulley Diameter - Normal Flex. Dimensions are relevant for ambient temperature above 0° C/ 32° F.

**Maximum Pull Force - In kg/cm width & lb/in Width

Declaration of Conformity in compliance with EU Regulations No. : 10/2011, 1935/2004 and Directive 2002/72/EC. Suited to HACCP standards.



DualDrive Sprocket



Pitch size for reference only

DualDrive SP(Small Pulley)

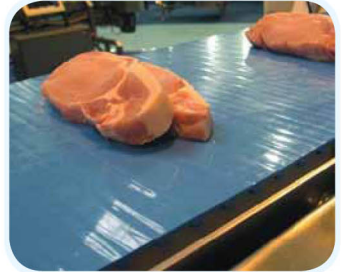
DualDrive SP leads the positive drive concept into small pulley applications and can be applied to existing lines with convenient minimal retrofit.

What makes DualDrive SP so special?

- It runs on small drive & tail pulleys: 50 mm (8 teeth).
- Tight transfer of goods reduces product wastage.
- Lighter conveyor construction, saving drive motor energy costs.
- Positive drive mechanism prevents slippage.
- Fully extruded drive surface has the combined option of positive drive and/or built in cleats.
- Can be made endless with DD SP Lace for easy removal for cleaning or maintenance purposes.

Increase your hygiene levels!

- Smooth homogeneous surface on both sides prevents bacteria buildup.
- No frayed threads or broken pieces to contaminate your products.
- Ensures long product shelf life & higher product quality.
- Easy & effective cleaning, convert downtime to production time.
- Huge savings in water and water treatment costs.
- Set up time reduced & quick change over between product types is easily reached.



The Dual Drive Small Pulley belt can be used for both low load and high load applications.

There are 2 series of pulleys that can be used with this belt,

- one is specifically suitable for using in high load (HL) applications
- and the other is designed for use in low load (LL) applications.

It is essential that the correct pulley type is chosen in relation to the belts pulling force. The use of incorrect pulleys can cause a problem of disengaging.

Smooth Top DualDrive Small Pulley (SP) Belts

Product & Color	Shore Hardness	Temperature Range	Coefficient of Friction on Steel (Bottom)	Thickness	Minimum Pulley Diameter*		Maximum Pull force**				Approvals
							Low Load		High Load		
							kg/cm	lbs/in	kg/cm	lbs/in	
FMB	95A/46D	-30° C to 60° C -20° F to 140° F	0.50	2.5	50	2"	1.5	8.4	4.5	25.2	FDA/ USDA/ EU

Impression Top DualDrive Small Pulley (SP) Belts

FMB - ITO 50	95A/46D	-30° C to 60° C -20° F to 140° F	0.50	2.5	50	2"	1.5	8.4	4.5	25.2	FDA/ USDA/ EU
FMB - IRT	95A/46D	-30° C to 60° C -20° F to 140° F	0.50	3.2	50	2"	1.5	8.4	4.5	25.2	FDA/ USDA/ EU

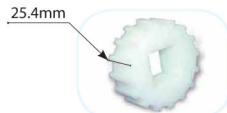
Note: *Minimum Pulley Diameter - Normal Flex. Dimensions are relevant for ambient temperature above 0° C/ 32° F.

**Maximum Pull Force - For low load & High load, In kg/cm width & lb/in Width.

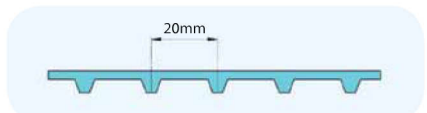
Declaration of Conformity in compliance with EU Regulations No. : 10/2011, 1935/2004 and Directive 2002/72/EC. Suited to HACCP standards.



DualDrive Small Pulley for High Load



DualDrive Small Pulley for Low Load



Pitch size for reference only

Endless Making Techniques

Volta provides you with a choice of tools especially designed to ensure high quality heat welded endless making of the full range of Positive Drive belts. Our tools have a lightweight design which makes each tool compact, rugged and easy to use in the field and workshop. When using Volta tools only electrical power is needed and no water cooling or air pressure is required.



➔ FT - Electrode Welding Kit

The FT Welding System is a tool for electrode welded endless making highly suitable for Volta flat belts and SuperDrive™, DualDrive and DualDrive SP. The FT Welding System uses a router to cut the bevel on the belt edges and to trim the weld on completion. The weld is carried out by using a Leister Hot Air Gun and Volta electrodes.

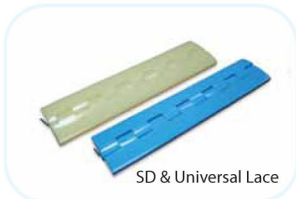


⬅ FBW - Butt Welding Tool

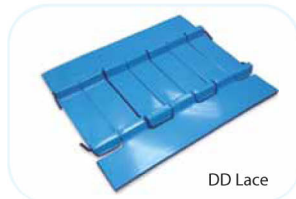
The FBW System was created to butt-weld flat belts making them endless. The FBW Welding System includes a built-in adapter and stoppers for splicing SuperDrive™. Suitable adaptors for DualDrive and DualDrive SP and special textured top flat belts are also available.

⬇ Volta Lace Systems

The Volta Lace is a device that allows you to easily open the belt for cleaning or servicing of the conveyor. Our lace can also be used in applications where metal detectors are required and we can provide you with a polyester hinge pin upon request. Volta lace is compatible with Volta 'M' Family Flat Belts of 2.5 to 5 mm thickness. Specialized lace is available to suit the teeth spacing of the Dual Drive and DD SP belts. All Volta flat belt material is easy to clean without removing from conveyor and therefore we only recommend lace when absolutely necessary. (Stainless steel and/or plastic rivets can also be used for closing the SD belts).



SD & Universal Lace



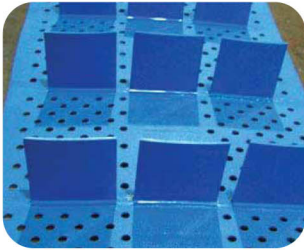
DD Lace



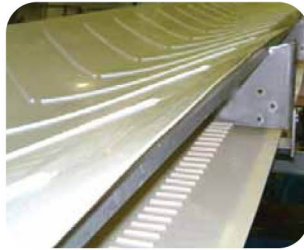
DDSP Lace

We are committed to providing a complete package focusing on servicing our customers all the way, up until the belts are safely installed and the conveyor is running smoothly.

📌 Fabrications on Positive Drive Belts



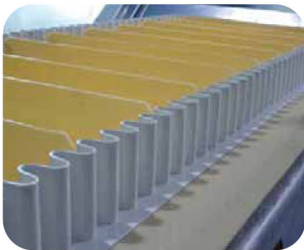
Perforated SuperDrive™
with Spaced flights



SuperDrive™
Trough Conveyor with Chevron flights



DualDrive Small Pulley
with metal spikes



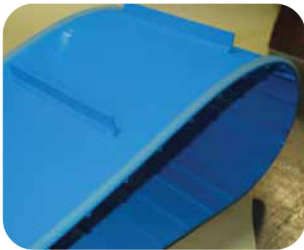
SuperDrive™
with flights and sidewalls



SuperDrive™
with Chevron flights



SuperDrive™
Z-elevator with flights, guides and sidewalls



DualDrive with impression top
(IRT) flights & guides



SuperDrive™
with flights working under water



SuperDrive™
with sidewalls & special flights



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CAT501EN00 - Ver. D - August 2012