



Small Pulleys, Big Performance

Conveying Solutions

Precision & Performance

Designed with OEMs and integrators in mind, we have developed a range of conveyor belts with excellent shape-memory and with no stressed belt joint, suited to small pulley diameters and thereby reducing product damage and waste.

Volta offers tested and certified food grade belts for all food processing needs and allows for true compliance with HACCP principles.

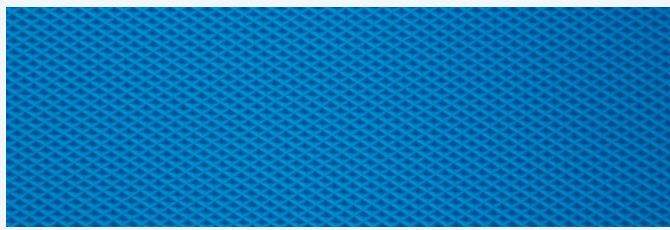
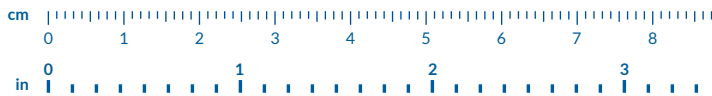
All our belts are made of high-quality abrasion- and chemical-resistant TPE.

Two distinct product lines offer solutions both for rigorous washdown regimes where conventional PU and PVC belts quickly turn into breeding grounds for pathogens, and a second option with low friction undersides for lower risk applications and packaging lines.



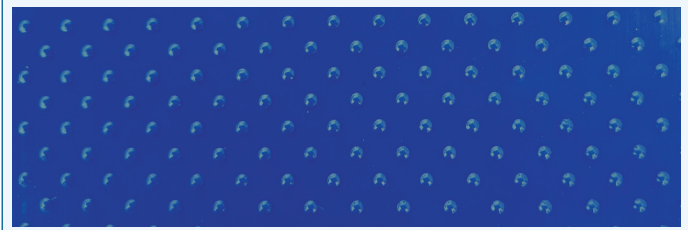


Impression / Textured Tops



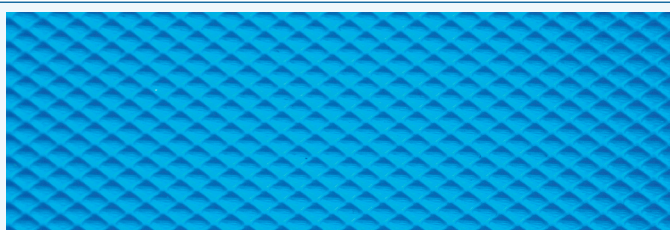
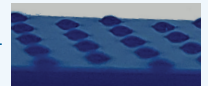
ITS70

Impression Top Square



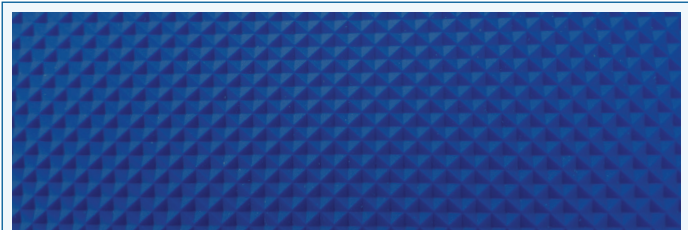
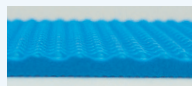
ITP

Impression Top Point



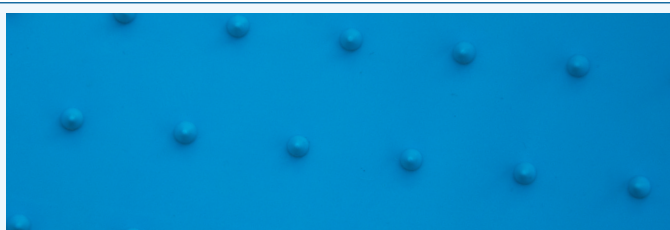
ITO50

Impression Top Oval



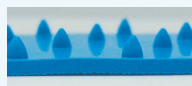
ITD60

Impression Top Diamond



SP

SPIKES



Small Pulley Conveyor Belts Engineered for Tight Transfers

Engineered for small pulley diameters, the conveyor belt enable smooth, controlled product movement and reliable transfers between conveyors.

The range of materials, colors, top- and bottom textures was specially developed based on customer requests.

Top Side: Smooth

Bottom side: Embossed

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FELB	Blue		1.6	10	$\frac{3}{8}$	0.32	1.79
			2	12	$\frac{1}{2}$	0.40	2.24
			3	20	$\frac{13}{16}$	0.60	3.36
FELB	Blue 02		1.6	10	$\frac{3}{8}$	0.32	1.79
			2	12	$\frac{1}{2}$	0.40	2.24
			3	20	$\frac{13}{16}$	0.60	3.36
FELW	White 16		1.6	10	$\frac{3}{8}$	0.32	1.79
			2	12	$\frac{1}{2}$	0.40	2.24
			2.5	15	$\frac{19}{32}$	0.50	2.80
			3	20	$\frac{13}{16}$	0.60	3.36
FETB	Blue 10		1.6	10	$\frac{3}{8}$	0.29	1.6
			2	13	$\frac{1}{2}$	0.36	2
			3	19	$\frac{3}{4}$	0.55	3



Top Side: Smooth

Bottom side: Reinforced

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FRLB	Blue		2	10	$\frac{3}{8}$	5	28
FRLW	White 16		1.6	8	$\frac{5}{16}$	4	22
			2	10	$\frac{3}{8}$	5	28
			3	18	$\frac{11}{16}$	7.50	42
FRTB*	Blue 10		1.6	8	$\frac{5}{16}$	2.60	14.90

*Pull force calculated with Finger Splice

Top Side: ITS-70

Impression Top Square Texture

Bottom side: Embossed

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FELB-ITS70	Blue		1.6	10	$\frac{3}{8}$	0.24	1.40
			2	12	$\frac{1}{2}$	0.30	1.74

Top Side: ITD-60

Impression Top Diamond Texture

Bottom side: Smooth (FLB) / Embossed (FELB)

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FLB-ITD60	Blue 02		2	12	$\frac{1}{2}$	0.46	2.58
FELB-TD60	Blue 02		1.8	11	$\frac{7}{16}$	0.3	1.68

Top Side: ITO-50

Impression Top Oval Texture

Bottom side: Embossed

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FELB-ITO50	Blue		2*	12	$\frac{1}{2}$	0.32	1.87
			2.5	15	$\frac{9}{16}$	0.40	2.24
			3	18	$\frac{11}{16}$	0.50	2.80
FELB-ITO50	Blue 02		3	18	$\frac{11}{16}$	0.50	2.80

*Not standard. Please contact Volta Belting representative for additional information.

Top Side: ITP

Impression Top Fine Points Texture

Bottom side: Embossed

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FELB-ITP	Blue 02		2	12	$\frac{1}{2}$	0.40	2.24

Textured Side: ITD60

Impression Top Diamond Texture

Textured side: ITS70

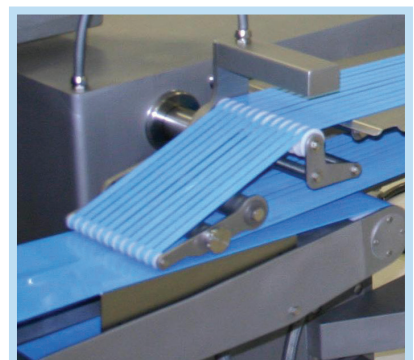
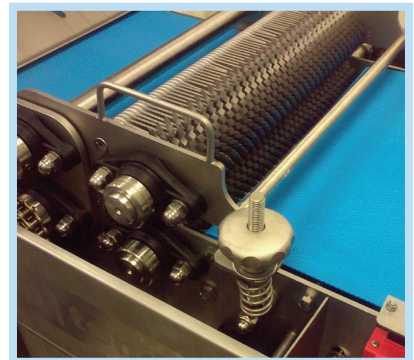
Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FLB-ITS70-ITD60	Blue 02		2	12	$\frac{1}{2}$	0.50	2.80

Top Side: SP

Spikes Texture

Bottom side: Embossed

Product & Color			Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 1% Pretension	
			mm	mm	Inch	kg/cm	Lbs/in
FELB-SP	Blue		2	20	$\frac{13}{16}$	0.40	2.24





Elastic (FLEX) Belt

- 1mm thick belt that outlasts the competition— small pulley diameters and tight conveyor configurations.
- An accurate, flexible extrusion that enables a fast, reliable product transfer without misalignment.
- The belt can be installed endlessly using up to 6% pretension due to its high elasticity. This also ensures outstanding grip on rollers and less drag on the bottom surface.
- Will work on nose bars of 7mm with no joint failure.
- Superior release properties for humid foodstuffs. Washable and non-absorbent, both for cleaning chemicals and food residue.
- Resists the formation of colonies of food-borne pathogens.
- Safe for food contact; accurate on check-weighers and narrow belt arrays on slicers.
- Can be welded on-site or in a workshop.
- Suitable for overlap / “finger splice” welding



Belt Type	Color	Max. pretension%	Thickness	Minimum Pulley Diameter (MPD)
FELB-1-FLEX-ITM2	Blue 02	6	1	7

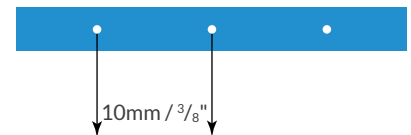
Aramid Cord Reinforced (ACR) Flat Belts

A food grade flat belt with special tensioning members fully sealed in a dense homogeneous material which has been tested for durability. Used, where heavy or unevenly loaded products are carried. The Volta code for this Aramid cord reinforcement is ACR and the splicing method advised is a finger splice.

Top Side: Smooth

Bottom side: Embossed

Product & Color		Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 0.2% Pretension	
		mm	mm	Inch	kg/cm	Lbs/in
FELB-ACR	Blue	2.5	20	13/16	4	22.40



Top Side: ITO50

Bottom side: Embossed

Product & Color		Thickness	Minimum Pulley Diameter (MPD)		Pull Force: 0.2% Pretension	
		mm	mm	Inch	kg/cm	Lbs/in
FELB-ACR-ITO50	Blue	2.5	20	13/16	4	22.40
FELB-ACR-ITO50	Blue 02	2.5	20	13/16	4	22.40



Pull force in table relates to a finger splice weld 20x50 mm. The calculation takes into account the weld splice which has strength of 28kg/cm. Note that various finger splice methods and different tools can result in differing belt strengths.

ACR belts come into their own where long conveyors with relatively small pulleys are needed. They fit a niche between the smaller conveyors suited to soft, thin belts and the more robust applications where Volta's classic monolithic washdown belts such as FEMB are used to replace friction-driven fabric PU belts. They are suited to high-risk zones and applications.

