



*Conveying Solutions
Food Grade
Positive Drive Line*



The Next Step in Belting

SuperDrive™

The homogeneous PositiveDrive™ belt, recognized worldwide as the best choice where hygiene and conveying efficiency are essential.

The unique design combines a tooth drive and off-tracking prevention with superior hygienic standards and productivity. Standard belt width : 1524mm/60". Some of the belts are also available in 2032mm/80" width.

Please contact Volta Belting representative for additional information.

SuperDrive™ components



Drive Pulley



Tail Pulley



ITE
Impression Top Embossed



ITO-50
Impression Top Oval

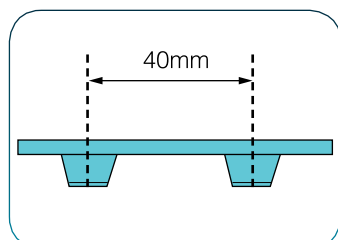
Smooth Top SuperDrive™ Belts										
Product & Color		Shore Hardness	Temperature Range	Coefficient of Friction on UHMW	Thickness	Minimum Pulley Diameter**		Maximum Pull Force***		Certifications
					mm	mm	Inch	kg/cm	lbs/in	
FHB-SD		55D	-20°C to 75°C -4°F to 170°F	0.20	3	126	4 ³¹ / ₃₂	7	39.2	FDA/ USDA/EU
FHW-SD					4	176	6 ¹⁵ / ₁₆	9	50.40	
					6*	300	11 ¹³ / ₁₆	14	78.40	
FHB-SD RAL5013		55D	-20°C to 75°C -4°F to 170°F	0.20	3	126	4 ³¹ / ₃₂	7	39.2	FDA/ USDA/EU
					4	176	6 ¹⁵ / ₁₆	9	50.40	
FMB-SD		53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6.25	35	FDA/ USDA/EU
					4	120	4 ³ / ₄	8	44.80	
FMW-SD					6*	240	9 ³ / ₄	12.50	70	
FMB-SD-RAL5002		53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6.25	35	FDA/ USDA/EU
Impression Top SuperDrive™ Belts										
FHB-SD-ITO50		55D	-20°C to 75°C -4°F to 170°F	0.20	3	126	4 ³¹ / ₃₂	7	39.2	FDA/ USDA/EU
FHW-SD-ITO50*					4	176	6 ¹⁵ / ₁₆	9	50.40	
FHB-SD-ITE		55D	-20°C to 75°C -4°F to 170°F	0.20	3	126	4 ³¹ / ₃₂	7	39.2	FDA/ USDA/EU
FHW-SD-ITE										
FMB-SD-ITO50		53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6.25	35	FDA/ USDA/EU
FMB-SD-ITE		53D	-20°C to 60°C -4°F to 140°F	0.20	3	80	3 ¹ / ₄	6.25	35	FDA/ USDA/EU
FMW-SD-ITE					3	80	3 ¹ / ₄	6.25	35	
Metal & X-Ray Detectable (MD) SuperDrive™ Belt										
FMB-SD-MD		53D	-20°C to 60°C -4°F to 140°F	0.28	3	100	4	6	33.6	FDA/ USDA/EU
Low Temperature (LT) SuperDrive™ Belts										
FMB-SD-LT		95A/46D	-35°C to 35°C -31°F to 95°F	0.30	3	80	3 ¹ / ₄	3	16.80	FDA/ USDA/EU
FMB-SD-ITO50-LT		95A/46D	-35°C to 35°C -31°F to 95°F	0.30	3	80	3 ¹ / ₄	3	16.80	FDA/ USDA/EU

Note: * Available in Blue only. FHW-SD-ITO50 - available in 3mm only.

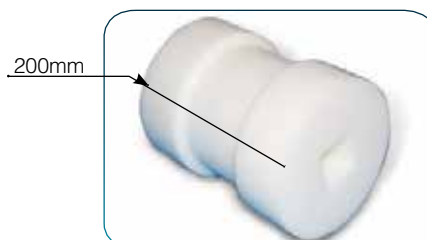
** Minimum Pulley Diameter – Normal Flex. Dimensions are relevant for an ambient temperature above 0°C / 32°F.

*** Maximum Pull Force – in kg/cm width & lb/in width.

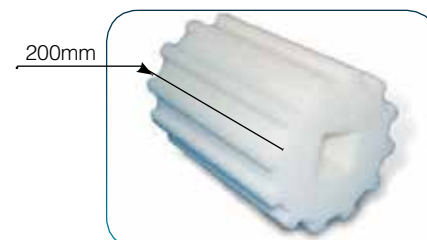
Declaration of Conformity in compliance with Food Contact Regulations: EU No.-10/2011 amended by 2017/752, 1935/2004 and 2023/2006 and FDA Art. 21. CFR.177.2600.



Pitch size for reference only



SuperDrive™ Tail Pulley



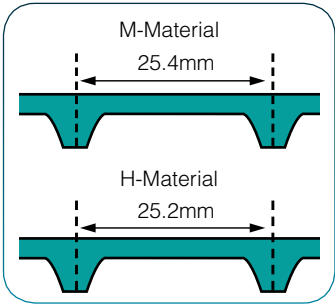
SuperDrive™ Drive Pulley

Mini SuperDrive™

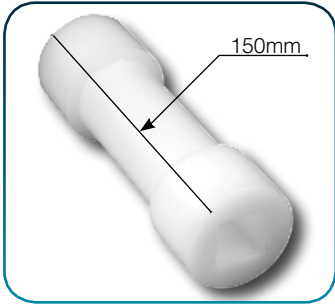
The only trackable Mini Positive Drive product.
The MiniSD™ design is similar to the world leader, Volta SuperDrive™; scaled down for a smaller minimum pulley.
Standard belt width: 2032mm/80".

Smooth Top Mini SuperDrive™ Belts									
Product & Color	Shore Hardness	Temperature Range	Coefficient of Friction on UHMW	Thickness	Minimum Pulley Diameter*		Maximum Pull Force**		Certifications
				mm	mm	Inch	kg/cm	lbs/in	
FHB-MSD	55D	-20°C to 75°C -4°F to 170°F	0.20	2	80	3.15	4.5	25.2	FDA/ USDA/EU
				2.5	100	3.93	5.6	31.36	
FMB-MSD	95A/46D	-20°C to 60°C -4°F to 140°F	0.28	2.5	48	1.89	4	22.4	FDA/ USDA/EU
Impression Top Mini SuperDrive™ Belts									
FMB-MSD-ITO 50	95A/46D	-20°C to 60°C -4°F to 140°F	0.28	2.5	48	1.89	4	22.4	FDA/ USDA/EU
FMB-MSD-MC	95A/46D	-20°C to 60°C -4°F to 140°F	0.28	2.5	80	3.15	4	22.4	FDA/ USDA/EU

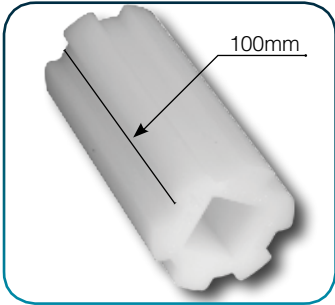
Note: * Minimum Pulley Diameter – Normal Flex. Dimensions are relevant for an ambient temperature above 0°C / 32°F.
** Maximum Pull Force – in kg/cm width & lb/in width.
Declaration of Conformity in compliance with Food Contact Regulations: EU No.-10/2011 amended by 2017/752, 1935/2004 and 2023/2006 and FDA Art. 21. CFR.177.2600. Compatible with HACCP principles.



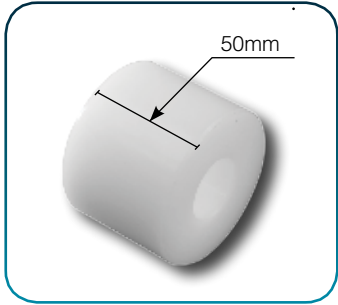
Pitch size for reference only



Tail Pulley



Drive Pulley



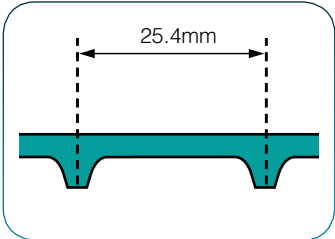
Support Pulley

Mini DualDrive™

A scaled-down version of the original DualDrive™ tooth geometry.
Standard belt width: 2032mm/80".

Smooth Top Mini DualDrive™ Belts									
Product & Color	Shore Hardness	Temperature Range	Coefficient of Friction on UHMW	Thickness	Minimum Pulley Diameter*		Maximum Pull Force**		Certifications
				mm	mm	Inch	kg/cm	lbs/in	
FMB-MDD	95A/46D	-20°C to 60°C -4°F to 140°F	0.28	2.5	48	1.89	4	22.4	FDA/ USDA/EU
FMB-MDD-ITO50	95A/46D	-20°C to 60°C -4°F to 140°F	0.28	2.5	48	1.89	4	22.4	FDA/ USDA/EU

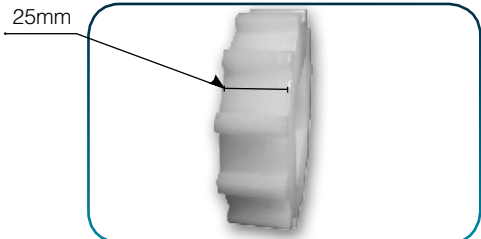
Note: * Minimum Pulley Diameter – Normal Flex. Dimensions are relevant for an ambient temperature above 0°C / 32°F.
** Maximum Pull Force – in kg/cm width & lb/in width.
Declaration of Conformity in compliance with Food Contact Regulations: EU No.-10/2011 amended by 2017/752, 1935/2004 and 2023/2006 and FDA Art. 21. CFR.177.2600. Compatible with HACCP principles.



Pitch size for reference only



MDD Sprocket



MDD Sprocket

DualDrive™

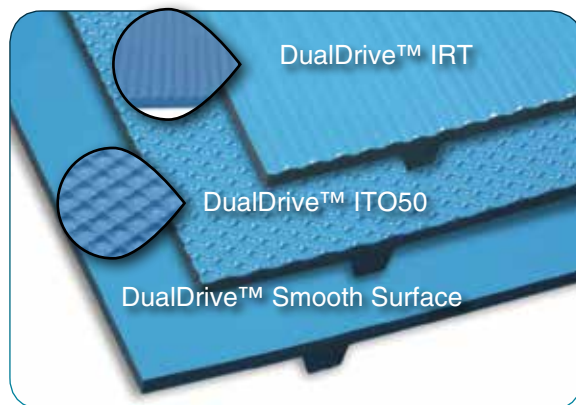
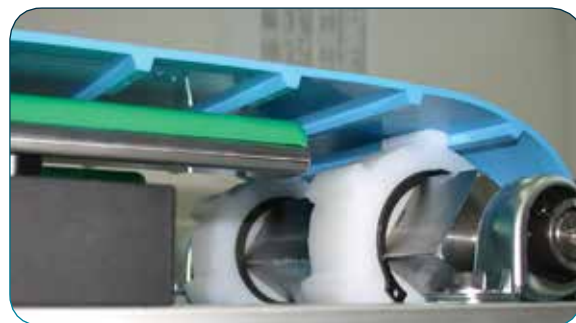
- Minimal retrofitting required. DualDrive™ is suited to some 2" pitch modular belt sprockets but for both reliability and hygiene these should be replaced.
- DualDrive™ is a fully extruded positive drive belt with drive teeth running the full width of the belt at a 2" pitch.

Mechanical Benefits:

- Replaces modular systems that require extensive cleaning and lengthy soaking and wear quickly at the joints.
- Greatly reduced noise levels in comparison with to modular belts.
- Integrated teeth for a positive drive with no slippage.
- No pretension of the belt is needed.
- Extruded in 30 or 60m (100 or 200ft) length and 1524mm (60") width.

Material Features:

- Smooth or textured homogeneous surface.
- Special texture available for non-stick applications.
- No ply/fraying of fibers.
- Easy and effective cleaning.
- No cracks or crevices that can potentially harbor bacteria.



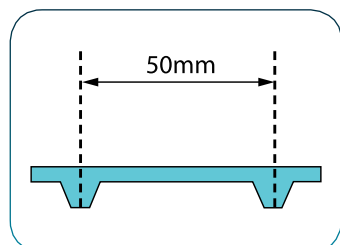
Smooth Top DualDrive™ Belts									
Product & Color	Shore Hardness	Temperature Range	Coefficient of Friction on UHMW	Thickness	Minimum Pulley Diameter*		Maximum Pull Force**		Certifications
				mm	mm	Inch	kg/cm	lbs/in	
FHB-DD	55D	-20°C to 75°C -4°F to 170°F	0.20	3	126	4 ¹⁵ / ₁₆	7	39.2	FDA/ USDA/EU
				4	176	6 ¹⁵ / ₁₆	9	50.4	
FMB-DD	53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6	33.6	FDA/ USDA/EU
FMW-DD***				4	120	4 ³ / ₄	7.7	43	
FMB-DD-RAL5002	53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6	33.6	FDA/ USDA/EU
Impression Top DualDrive™ Belts									
FMB-DD-ITO50	53D	-20°C to 60°C -4°F to 140°F	0.28	3	80	3 ¹ / ₄	6	33.6	FDA/ USDA/EU
FMB-DD-IRT	53D	-20°C to 60°C -4°F to 140°F	0.28	4	100	4	6	33.6	FDA/ USDA/EU
Metal & X-Ray Detectable (MD) DualDrive™ Belt									
FMB-DD-MD	53D	-20°C to 60°C -4°F to 140°F	0.28	3	100	4	6	33.6	FDA/ USDA/EU
Low Temperature (LT) DualDrive™ Belt									
FMB-DD-LT	95A/46D	-35°C to 35°C -31°F to 95°F	0.30	3	80	3 ¹ / ₄	3	16.80	FDA/ USDA/EU
FMB-DD-LT ITO50									

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

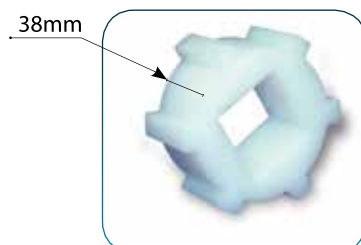
** Maximum Pull Force – in kg/cm width & lb/in width.

*** FMW-DD - available in 3mm only.

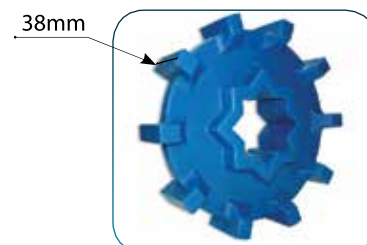
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Pitch size for reference only



UHMW Sprockets



Molded Sprockets made of Acetal

DualDrive™ SP (Small Pulleys)

The DualDrive™ Small Pulley belt can be used for both low and high load applications.

There are 2 series of pulleys applicable;

- for use in high load (HL) applications;
- for use in low load (LL) applications.

One should ensure that the correct pulley type is chosen in relation to the required pull force. The use of incorrect pulleys can cause disengaging problems.

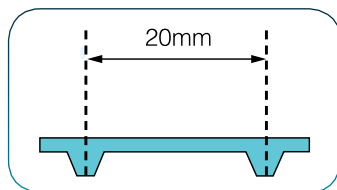
Standard belt width : 1524mm/60".

Smooth Top DualDrive™ Small Pulley (SP) Belt												
Product & Color		Shore Hardness	Temperature Range	Coefficient of Friction on UHMW	Thickness	Minimum Pulley Diameter*		Maximum Pull Force**				Certifications
								Low Load		High Load		
					mm	mm	Inch	kg/cm	lbs/in	kg/cm	lbs/in	
FMB-DDSP		95A/46D	-30°C to 60°C -20°F to 140°F	0.28	2.5	50	2	1.5	8.4	4.5	25.2	FDA/ USDA/EU
Impression Top DualDrive™ Small Pulley (SP) Belts												
FMB-DDSP-ITO50		95A/46D	-30°C to 60°C -20°F to 140°F	0.28	2.5	50	2	1.5	8.4	4.5	25.2	FDA/ USDA/EU
FMB-DDSP-IRT		95A/46D	-30°C to 60°C -20°F to 140°F	0.28	3.2	50	2	1.5	8.4	4.5	25.2	FDA/ USDA/EU

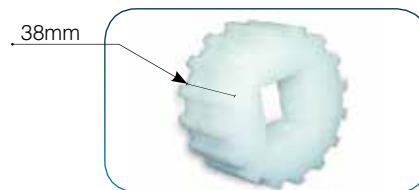
Note: * Minimum Pulley Diameter – Normal Flex. Dimensions are relevant for ambient temperature above 0°C / 32°F.

** Maximum Pull Force – in kg/cm width & lb/in width.

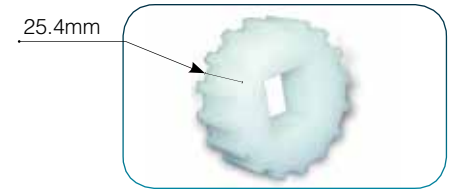
Declaration of Conformity in compliance with Food Contact Regulations: EU No.-10/2011 amended by 2017/752, 1935/2004 and 2023/2006 and FDA Art. 21. CFR.177.2600.



Pitch size for reference only



DualDrive™ Small Pulley
for High Load

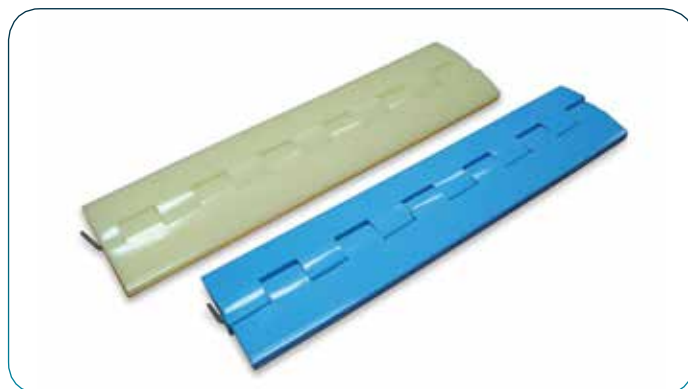


DualDrive™ Small Pulley
for Low Load

➔ Volta Hinge Lace System

The Volta Lace is a device that allows a belt to be opened for cleaning or servicing of the conveyor. It is used in metal detection systems where a polyester hinge pin is used in place of steel. Volta lace is compatible with Volta 'M' material belts from 2.5 to 5 mm thickness but cannot be used with the MiniSD™ and MiniDD™ belts.

All Volta flat belt materials are easy to clean without removing from conveyor, and therefore lace is used only where absolutely necessary. The strength of the belt will be affected at the joint where lace is used.



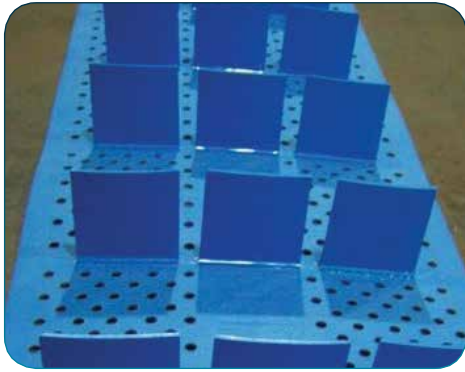
SD/DD Lace



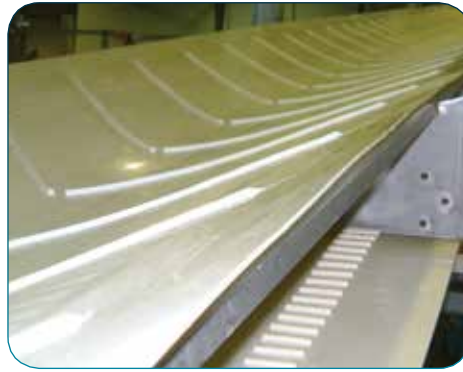
DD SP Lace

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



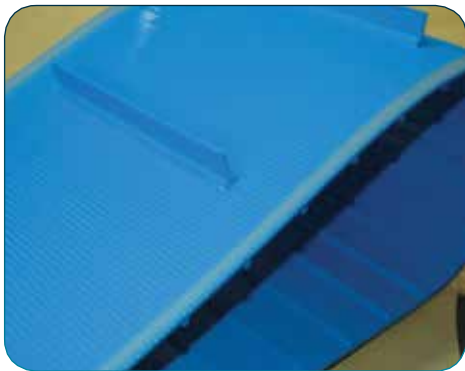
Mini SuperDrive™ belt



Perforated DD-IRT Belt



SuperDrive™ Z-elevator with Flights, Guides and Sidewalls



DualDrive™ with Impression Top IRT Flights & Guides



SuperDrive™ with Flights Working under Water



SuperDrive™ with Sidewalls and Special Flights



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