
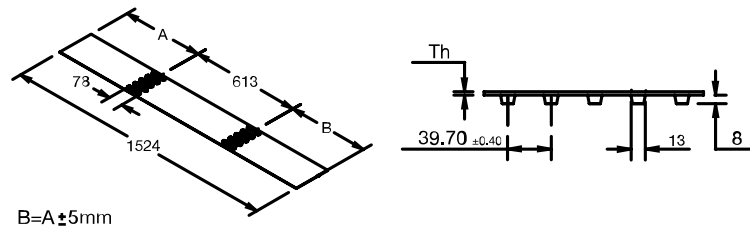


FMB-SD-MD (Metal Detectable)

SuperDrive™, Bottom- Smooth, Top-Smooth

Material:	Volta MB-MD	
Color (Indicative only)	Blue 09	
Hardness:	53D	
Temp. Range (C°):	-20°C to 60°C	
Temp. Range (F°):	-5°F to 140°F	
Certification:	FDA/ EU Approved	

Coefficient of friction (Dry):	
Steel:	0.5
Stainless Steel:	0.5
UHMW:	0.28



Product:	FMB-3-SD-MD
Belt Thickness:	3mm
Belt Weight (kg/ m²): Add for each row of teeth	3.75kg/m ² +0.1875 Kg/m
Belt Weight (lb/ ft²): Add for each row of teeth	0.77 lb/ft ² +0.126 lb/ft
Belt Min Pulley Diameter (mm) (Normal Flex)	100mm
Belt Min Pulley Diameter (mm) (Back Flex)	110mm
Belt Min Pulley Diameter (Inch) (Normal Flex)	3.94"
Belt Min Pulley Diameter (Inch) (Back Flex)	4.33"
Max Pull Force (kg/cm width)	6
Max Pull Force (lb/inch width)	33.60

- English dimensions have been converted from Metric measurements.
- All values are nominated and to the best of our experience are true and accurate.
- For endless welding use the Volta FBW welding system.

Disclaimer: Volta Belting Ltd. recommends testing all the products in your environment to ascertain suitability. The information is supplied in good faith without warranty.

Pulley Guidelines & Fabrication Options

Belt Type	FMB-3 SD MD/ FMB-3 SD ITO50-MD	
MPD Base Belt	100mm	4"

Minimum Pulley Diameter for V-Cleat

Electrode	135mm	5.31"
VLB-MD 10	145mm	5.70"
VLB-MD 13	155mm	6.10"
VLB-MD 17	170mm	6.70"

Min. Pulley Diameter for Electrode Welded Flat Flights

Single Electrode 7	140mm	5.51"
Single Electrode 9	150mm	5.90"
Double Electrode 7	180mm	7.08"
Double Electrode 9	NR	NR

Min. Pulley Diam. for High Frequency Welded Flights

App. Temperature	Temp ≥ 0° C / 32° F		Temp < 0° C / 32° F	
Flight 3 – 5 mm	116mm	4.56"	165mm	6.50"
Flight 6 – 8 mm	143mm	5.62"	195mm	7.67"

Minimum Pulley Diameter for Based Sidewalls –Temp.range -20° C to 35° C / -4° F to 95° F)

Based Sidewall Type	Normal Flex		Back Flex	
SW-20	105mm	4.13"	110mm	4.33"
SW-30	105mm	4.13"	125mm	4.92"
SW-40	115mm	4.53"	150mm	5.90"
SW-50	125mm	4.92"	175mm	6.89"
SW-60	130mm	5.12"	200mm	7.87"
SW-80	150mm	5.90"	250mm	9.84"
SW-100	200mm	7.87"	300mm	11.81"

Minimum Pulley Diameter for 2mm Thick Baseless Sidewalls

Baseless Sidewall Type	Normal Flex		Back Flex	
B-SW 30	110mm	4.33"	120mm	4.72"
B-SW 40	110mm	4.33"	120mm	4.72"
B-SW 50	110mm	4.33"	150mm	5.90"
B-SW 60	110mm	4.33"	180mm	7.10"
B-SW 80	130mm	5.12"	230mm	9.05"
B-SW 100	160mm	6.30"	300mm	11.81"
B-SW 130	210mm	8.27"	400mm	15.75"
B-SW 150	250mm	9.84"	450mm	17.72"

Minimum Pulley Diameter for Top Guides

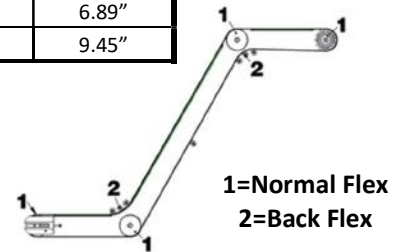
Guide Type	Normal Flex		Back Flex	
VLB-MD 10	152mm	5.89"	157mm	6.18"
VLB-MD 13	178mm	7"	175mm	6.89"
VLB-MD 17	220mm	8.66"	240mm	9.45"

Electrode Welded Flights: We recommend welding the flights above the teeth location and flight thickness should not exceed the tooth base width.

Sidewalls & Guides: must be positioned with a minimum gap of 100mm from the belt teeth.

Flights: should be welded between the teeth as indicated in the SuperDrive™ and Mini SuperDrive™ Technical Manual.

Pulleys: must be equal to, or larger than the minimum pulley specification.



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