

FMB 3 DD MD -SPROCKET GUIDELINES & FABRICATION OPTIONS

Belt Type	FMB -3-DD-MD	
MPD Base Belt	100mm	4"

Minimum Sprocket Diameter for V-Flights

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

Minimum Sprocket Diameter for Flat Electrode Welded Flights

Single Electrode 7	140mm	5.51"
Single Electrode 9	150mm	6.10"
Double Electrode 7	180mm	7.08"
Double Electrode 9	NR	

Minimum Sprocket Diameter for Flat High Frequency Welded Flights

App. Temperature	Temp $\geq 0^{\circ}$ C / 32° F		Temp $< 0^{\circ}$ 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 Baseless Sidewalls

	Normal Flex		Back flex	
B-SW 30 : 1.6mm Thick	110mm	4.33"	120mm	4.72"
B-SW 40 : 1.6mm Thick	110mm	4.33"	120mm	4.72"
B-SW 50 : 1.6mm Thick	110mm	4.33"	150mm	5.90"
B-SW 60 : 1.6mm Thick	110mm	4.33"	180mm	7.10"
B-SW 80 : 1.6mm Thick	130mm	5.12"	230mm	9.05"
B-SW 100 : 1.6mm Thick	160mm	6.30"	300mm	11.81"
B-SW 130 : 2mm Thick	210mm	8.27"	400mm	15.75"
B-SW 150 : 2mm Thick	250mm	9.84"	450mm	17.72"

- **NR:** Not Recommended.
- For electrode welded cleats we recommend welding the cleats above the teeth location and not to exceed the tooth base width.
- Flights can be welded on top of a tooth but they must not exceed the width of the tooth or, between teeth but not in the area where pulley teeth make contact with the belt when driving it.
- When choosing the pulley size, it must be equal to or larger than the minimum pulley required.

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