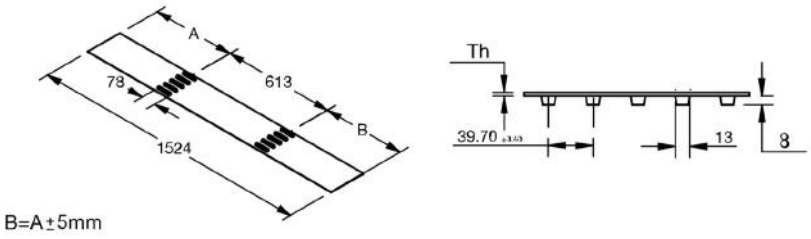
FEZ-SD-ITM2

SuperDrive™, Bottom- Embossed, Top- ITM2 Smooth Matt Top

Material:	**Volta Z**
Color (Indicative only)	Green 05
Hardness:	95A
Temp. Range (C°):	-30°C to 70°C
Temp. Range (F°):	-20°F to 158°F

Coefficient of friction (Dry):	Embossed
Steel:	0.4
Stainless Steel:	0.4
UHMW:	0.25



Product:	**FEZ-3-SD-ITM2**	**FEZ-4-SD-ITM2**
Belt Thickness:	3mm	4mm
Belt Weight (kg/ m²): **Add for each row of teeth**	3.6 kg/m² +0.180 Kg/m	4.8 kg/m² +0.180 Kg/m
Belt Weight (lb/ ft²): **Add for each row of teeth**	0.74 lb/ft² +0.121 lb/ft	0.98 lb/ft² +0.121 lb/ft
Belt Min Pulley Diameter (mm) (Normal Flex)	80mm	120mm
Belt Min Pulley Diameter (mm) (Back Flex)	100mm	150mm
Belt Min Pulley Diameter (Inch) (Normal Flex)	3.15”	4.72”
Belt Min Pulley Diameter (Inch) (Back Flex)	3.94”	5.90”
Max Pull Force* (kg/cm width)	5	6.6
Max Pull Force* (lb/inch width)	28	37

- *Pull force – According to “Temperature Correction Factor”.

Belt material	**Temperature Correction Factor**						
	40°C/ 104°F	**45°C/ 113°F**	**50°C/ 122°F**	**55°C/ 131°F**	**60°C/ 140°F**	**65°C/ 149°F**	**70°C/ 158°F**
Z – 95A Shore	1	0.98	0.95	0.9	0.87	0.8	0.7

- English dimensions have been converted from Metric measurements.
- All values are nominated and to the best of our experience are true and accurate.

FEZ-SD-ITM2 - PULLEY GUIDELINES & FABRICATION OPTIONS

Belt Type	FEZ-3-SD-ITM2		FEZ-4-SD-ITM2	
MPD. Base Belt	80mm	3.15”	120mm	4.72
Minimum Pulley Diameter for V-Flights				
Electrode	120mm	4.72”	150mm	5.90”
VLC/VLB 10	130mm	5.12”	170mm	6.70”
VLC/VLB 13	140mm	5.51”	180mm	7.08”
VLC/VLB 17	155mm	6.10”	195mm	7.68”
Minimum Pulley Diameter for Electrode Welded Flights				
Single Electrode 7	125mm	4.92”	150mm	5.90”
Single Electrode 9	140mm	5.51”	165mm	6.50”
Double Electrode 7	165mm	6.50”	190mm	7.48”
Double Electrode 9	N.R.		N.R.	

Minimum Pulley Diameter for High Frequency Welded Flights

App. Temperature	Temp ≥ 0° C / 32° F		Temp < 0° C / 32° F		Temp ≥ 0° C / 32° F		Temp < 0° C / 32° F	
Flight 3 – 5 mm	101mm	3.97”	151mm	5.94”	128mm	5.04”	180mm	7.09”
Flight 6 – 8 mm	128mm	5.04”	180mm	7.09”	143mm	5.63”	200mm	7.87”

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

	Normal Flex		Back Flex		Normal Flex		Back Flex	
Sw 20	105 mm	4.13”	110 mm	4.33”	120 mm	4.72”	120 mm	4.72”
Sw 30	105 mm	4.13”	125 mm	4.92”	120 mm	4.72”	125 mm	4.92”
Sw 40	115 mm	4.53”	150 mm	5.90”	130 mm	5.12”	150 mm	5.90”
Sw 50	125 mm	4.92”	175 mm	6.89”	130 mm	5.12”	175 mm	6.89”
Sw 60	130 mm	5.12”	200 mm	7.87”	135 mm	5.31”	200 mm	7.87”
Sw 80	150 mm	5.90”	250 mm	9.84”	150 mm	5.90”	250 mm	9.84”
Sw 100	200 mm	7.87”	300 mm	11.81”	200 mm	7.87”	300 mm	11.81”

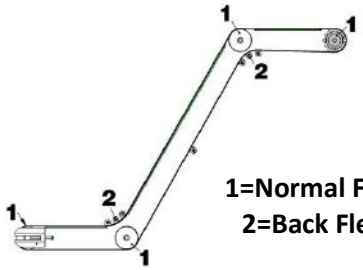
Minimum Pulley Diameter for Baseless Sidewalls – 2mm Thick

	Normal Flex		Back Flex		Normal Flex		Back Flex	
B-SW 30 /1”	80mm	3.15”	110mm	4.33”	120mm	4.72”	150mm	5.90”
B-SW 40 /1.5”	90mm	3.54”	120mm	4.72”	120mm	4.72”	150mm	5.90”
B-SW 50 /2”	100mm	3.94”	150mm	5.90”	120mm	4.72”	160mm	6.30”
B-SW 60 /2.5”	110mm	4.33”	180mm	7.10”	120mm	4.72”	190mm	7.48”
B-SW 80 /3”	130mm	5.12”	230mm	9.05”	130mm	5.12”	240mm	9.45”
B-SW 100 /4”	160mm	6.30”	300mm	11.81”	160mm	6.30”	310mm	12.20”
B-SW 130 /5”	210mm	8.27”	400mm	15.75”	210mm	8.27”	420mm	16.53”
B-SW 150 /6”	250mm	9.84”	450mm	17.72”	250mm	9.84”	470mm	18.50”
Minimum Pulley Diameter for Two Top Guides								
Guide Type	Normal Flex		Back Flex		Normal Flex		Back Flex	
VL/VLB/VLC 13	145mm	5.70”	150mm	5.90”	185mm	7.28”	200mm	7.87”
VL/VLB/VLC 17	177.5mm	6.99”	175mm	6.89”	217.5mm	8.56”	225mm	8.85”
CL/CLB/CLC 13	124mm	4.88”	140mm	5.51”	164mm	6.45”	190mm	7.48”
CL/CLB/CLC 17	146mm	5.74”	160mm	6.30”	186mm	7.32”	210mm	8.26”
VSB/VSC 13	125.5mm	4.94”	135mm	5.31”	165.5mm	6.52”	185mm	7.28”
VSB/VSC 17	145mm	5.70”	150mm	5.90”	185mm	7.28”	200mm	7.87”
CSB/CSC 13	110.8mm	4.36”	128mm	5.04”	150.8mm	5.93”	178mm	7”
CSB/CSC 17	124mm	4.88”	140mm	5.51”	164mm	6.45"	190mm	7.48”

NR: Not Recommended.

- For electrode welded cleats we recommend welding the cleats above the teeth location and not to exceed the tooth base width.
- Sidewalls must be positioned at a minimum distance of 100mm from the belt teeth.
- **Flights** can be welded on top of a tooth on condition that they do not exceed the width of the tooth or between teeth but and not in the area where pulley teeth make contact with the belt when driving it.

When choosing the pulley size,it must be equal or larger than the minimum pulley required.



1=Normal Flex
2=Back Flex

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