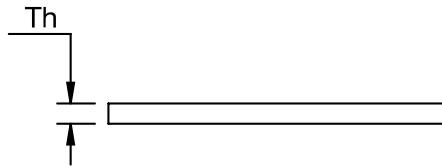


FW
Flat, Solid Belt

Material:	Volta W, White
Hardness:	95A / 46D
Standard Belt Width:	60" / 1524mm
Temp. Range:	- 30°C to 60°C / -20°F to 140°F
Certification:	FDA / USDA / EU

Coefficient of friction:	
Steel:	0.4
Aluminum:	0.4
Rubber:	0.5
UHMW	0.3



TYPE		FW-3	FW-4
Thickness		3	4
Weight	kg/m ²	3.6	5.0
	lb/ft ²	0.74	1.00
Minimum Pulley:	mm	40	60
	Inch	1 5/8	2 3/8
Maximum Work Load	lb/in	64	85
	kg/cm	11.5	15.5
Pull Force (kg/cm) at pretension of:	0.5%	0.85	1.14
	1.0%	1.7	2.28
	1.5%	2.55	3.42
	2.0%	3.4	4.56
	3.0%	5.1	6.84
Pull Force (lb/in) at pretension of:	0.5%	4.8	6.4
	1.0%	9.6	12.8
	1.5%	14.4	19.2
	2.0%	19.2	25.6
	3.0%	28.8	38.4
Electrode Splicing	EVW-7	-	-
	EVW-9	✓	✓

Notes:

1. Pull force relates to steel pulleys. Multiply given values by 0.9 for cast iron, 1.1 for rubber and 0.8 for wet smooth drums.
2. Recommended only when splicing angle is greater than 17°.
3. All values are nominal and to the best of our experience are true and accurate.
4. English dimensions have been converted from metric measurements.

MINIMUM PULLEY GUIDELINES FOR FABRICATED VOLTA FW & FEW BELTS

	FEW-2		FW-3 / FEW-3		FW-4 / FEW-4	
	mm	inch	mm	inch	mm	inch
Belt (a)	30	1 3/16	40	1 5/8	60	2 3/8
V - Guide (b)						
VM – 10	100	4	115	4 1/2	125	5
VM – 13	115	4 1/2	125	5	140	5 1/2
VM – 17	NA	NA	150	6	175	7
VM – 22	NA	NA	NA	NA	200	8
VL/VLC/VLB – 6	55	2 1/4	70	2 3/4	80	3 1/4
VL /VLC/VLB - 8	70	2 3/4	80	3 1/8	95	3 3/4
VL/VLC/VLB -10	75	3	85	3 3/8	100	4
VL/VLC/VLB - 13	80	3 1/4	90	3 1/2	115	4 1/2
VL/VLC/VLB - 17	NA	NA	115	4 1/2	140	5 1/2
VL /VLC/VLB - 22	NA	NA	NA	NA	165	6 1/2
CM – 13	90	3 1/2	100	4	125	5
CM – 17	NA	NA	125	5	150	6
CM – 22	NA	NA	140	5 1/2	175	7
CL /CLC/CLB- 10	65	2 1/2	75	3	90	3 1/2
CL/CLC/CLB - 13	70	2 3/4	80	3 1/4	100	4
CL/CLC/CLB - 17	NA	NA	100	4	125	5
CL/CLC/CLB - 22	NA	NA	115	4 1/2	135	5 3/8
V - Cleat (c)						
Electrode	55	2 1/4	70	2 3/4	95	3 3/4
VL/VLC/VLB - 10	80	3 1/4	90	3 1/2	115	4 1/2
VL/VLC/VLB - 13	90	3 1/2	100	4	125	5
VL/VLC/VLB - 17	NA	NA	125	5	150	6
VL/VLC/VLB - 22	NA	NA	NA	NA	200	8
Flat Cleat (c)						
Single Electrode	115	4 1/4	125	5	140	5 1/2
Double 7 Electrode	140	5 1/2	150	6	175	7
Double 9 Electrode	NA	NA	190	7 1/2	200	8
T Cleat / HF (c)	80	3 1/4	90	3 1/2	115	4 1/2
Side Walls (c)						
Sww 20	80	3 1/4	80	3 1/8	90	3 5/8
Sww 30	80	3 1/4	90	3 5/8	100	4
Sww 40	90	3 5/8	100	4	120	4 3/4
Sww 50	NR	NR	110	4 1/4	120	4 3/4
Sww 60	NR	NR	120	4 3/4	130	5 1/8
Sww 80	NR	NR	150	6	150	6
Sww 100	NR	NR	200	8	200	8

Notes: 1) For belt fabrication where the guides are located below the cleats or Side Walls, add the V - Guide value (b) and the cleat or sidewall value (c), and subtract belt value (a). In the case. Where the Guide is not located below the cleat or Side Wall, choose the higher of the values between the V-guide (b) and cleat or Side Wall (c).

2) NA = Not Available.

3) Recommended guide.

4) English dimensions have been converted from metric measurements