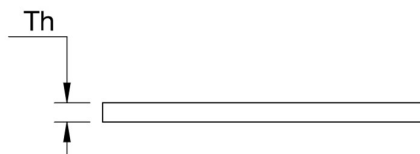


FL
Flat, Solid Belt

Material:	Volta L, Brown
Hardness:	80A
Standard Belt Width:	60" / 1524mm
Temp. Range:	-40°C to 50°C / -40°F to 120°F
Approval:	FDA

Coefficient of friction:	
Steel:	0.55
Aluminum:	0.55
Rubber:	0.65



TYPE		FL - 2.5	FL - 3	FL - 4	FL - 5
Thickness	mm	2.5	3	4	5
Weight	kg/m ²	3.4	3.8	5.0	6.3
	lb/ft ²	0.67	0.75	1.0	1.25
Minimum Pulley:	mm	17	20	30	35
	inch	²¹ / ₃₂	³ / ₄	1 ³ / ₁₆	1 ³ / ₈
Maximum Work Load:	Kg/cm	2.4	2.9	3.2	4
	lb/inch	4.4	5.3	7.2	9
Pull Force (kg/cm) at pretension of:	0.5%	0.16	0.2	0.3	0.4
	1%	0.3	0.4	0.6	0.7
	1.5%	0.5	0.6	0.8	1.0
	2%	0.7	0.8	1.1	1.4
	2.5%	0.8	1.0	1.4	1.7
	3%	1.1	1.3	1.7	2.1
Pull Force (lb/in) at pretension of:	0.5%	0.9	1.1	1.7	2.2
	1%	1.8	2.2	3.4	3.9
	1.5%	2.8	3.4	4.5	5.6
	2%	3.8	4.5	6.2	8
	2.5%	4.7	5.6	7.8	9.5
	3%	6	7.3	9.5	11.8
Electrode Splicing	EVL-7	✓	-	-	-
	EVL-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. English dimensions have been converted from metric measurements
3. All values are nominal and to the best of our experience are true and accurate.

*Electrode welding not recommended for belt thicker than 5mm. FBW tool splicing is advisable.