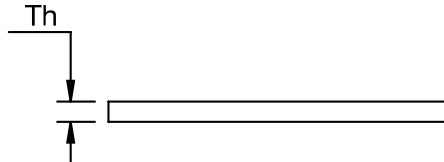


FMWC

Flat Belt, Bottom-Smooth, Top-Smooth

Material:	Volta MWC
Color (Indicative only)	Transparent
Hardness:	95A/46D
Temp. Range (C°):	-30°C to 70°C
Temp. Range (F°):	-20°F to 158°F
Certification:	FDA/ USDA/USDA Dairy/EU Approved

Coefficient of friction (Dry):	
Steel:	0.40
Aluminum:	0.40
Rubber:	0.50
UHMW:	0.30



Product:		FMWC-2.5	FMWC-3	FMWC-4	FMWC-5
Belt Thickness (mm)		2.5	3	4	5
Belt Weight (kg/ m ²):		3.1	3.8	5	6.3
Belt Weight (lb/ ft ²):		0.62	0.75	1	1.25
Belt Min Pulley Diameter (mm)-Normal Flex		35	40	60	80
Belt Min Pulley Diameter (mm)-Back Flex		35	40	60	80
Belt Min Pulley Diameter (Inch)-Normal Flex		1 ³ / ₈	1 ⁵ / ₈	2 ³ / ₈	3 ¹ / ₈
Belt Min Pulley Diameter (Inch)-Back Flex		1 ³ / ₈	1 ⁵ / ₈	2 ³ / ₈	3 ¹ / ₈
Max. Workload (Kg/cm)		9	10.5	14.5	18
Max. Workload (lb/inch)		50.3	58.7	81	105
Pull Force* (kg/cm width) at pretension of:	0.5%	0.53	0.6	0.8	1
	1%	1	1.2	1.6	2
	1.5%	1.5	1.8	2.4	3
	2%	2	2.4	3.2	4
	2.5%	2.5	3	4	5
Pull Force* (lb/inch width) at pretension of:	0.5%	4.2	3.4	4.5	5.5
	1%	8.4	6.7	9	11
	1.5%	12.7	10	13.5	16.5
	2%	16.9	13.3	18	22
	2.5%	21.1	16.7	22.5	27.5

- *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
MWC – 95A/46D Shore	1	0.98	0.95	0.9	0.87	0.8	0.7

- 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.
- English dimensions have been converted from Metric measurements.
- All values are nominated 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.