

Flat Belt Specifications

Application			Conveying						Lifting					
			F8			F12			FL8		FL12		F13	F19
Nominal Thickness		inch	0.08			0.125			0.08		0.12		0.13	0.19
		metric	2.0			3.0			2.0		3.0		3.2	4.8
Cord			Steel	Kevlar	Hi-Flex Steel	Steel	Kevlar	Hi-Flex Steel	Steel	Hi-Flex Steel	Steel	Hi-Flex Steel	Steel	Steel
Ultimate Tensile Strength per Inch or 25mm Belt Width		lbf/in	1605	1818	2370	1605	1818	2370	3204	2917	5445	6059	7554	10117
		N/25 mm	7140	8085	10540	7140	8085	10540	14250	12975	24220	26950	33600	45000
Max Allowable Belt Tension per Inch or 25mm Belt Width	Open Ended	lbf/in	436	243	658	436	243	658	854	971	1338	1427	1999	3008
		N/25 mm	1939	1080	2925	1939	1080	2925	3800	4320	5953	6349	8892	13378
	Welded	lbf/in	218	121	329	218	121	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/25 mm	969	540	1463	969	540	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Specific Belt Weight		lbf/ft/in	0.057	0.045	0.057	0.078	0.066	0.080	0.073	0.060	0.113	0.113	0.137	0.183
		kgf/m /cm	0.033	0.026	0.0033	0.046	0.039	0.047	0.043	0.035	0.066	0.066	0.080	0.107
Specific Belt Stiffness (Open Ended)		lbf/in	109000	60700	133620	109000	60700	133620	213600	197350	334600	290030	406240	611160
		N/mm	19085	10635	23400	19085	10635	23400	37410	34560	58600	50790	71140	107025
Min. Pulley Diameter		in	1.8	1.8	1.5	2.4	2.4	2.0	1.9	1.5	3.1	2.5	6.3	5.9
		mm	45	45	38	60	60	50	48	38	80	64	160	150
Min. Dia. of Tensioning Idler Running on Back of Belt		in	2.7	2.7	2.2	4.7	4.7	4.1	2.8	2.2	4.7	3.8	6.3	8.9
		mm	68	68	57	120	120	105	72	57	120	96	160	225
Standard Material			PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU
Standard Colors (BK=Black, N=Natural)			N	N	BK	N	N	BK	N	BK	BK	BK	BK	BK
Max. Width		in	4	4	6	4	4	6	4	6	4	6	6	6
		mm	100	100	150	100	100	150	100	150	100	150	150	150
Min. Welded Belt Length		in	19	19	38	20	20	20	N/A	N/A	N/A	N/A	N/A	N/A
		mm	483	483	960	508	508	508	N/A	N/A	N/A	N/A	N/A	N/A
Standard Roll Length		ft	200	200	328	200	200	328	200	328	200	328	164	164
		m	61	61	100	61	61	100	61	100	61	100	50	50
Width Tolerance	up to 2"								+/- .020"					
	>2"								+/- .030"					