



Open-Ended "M"

Specifications

Widths (mm) <small>In between widths available</small>	10	12	16	20	25	32	50	75	100	150
Lengths	Any lengths available - Stock rolls 50 meters									
Available Options	Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover), Double-sided (DL), Extra thickness (DR)									
Tension Member Options	Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®									



Spliced and Welded "V"

Specifications

Widths (mm) <small>In between widths available</small>	16	20	25	32	50	75	100	150
Min. Joined Length (mm) <small>Increasing in one tooth increments</small>	400						500	890
Available Options	Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover), Double-sided (DL), Extra thickness (DR)							
Tension Member Options	Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®							

Note: Minimum weld length is not recommended for widths less than 12mm.

Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 30 kW	Approx. 10000 min ⁻¹	Approx. 60 ms ⁻¹	From z=12	Machine tools, main and subsidiary drives, textile machines, printing machinery.

Specifications

Timing Belt	Pitch (mm)	Code	Ultimate Tensile Strength (N/10mm belt width)	Maximum Allowable Tensile Strength (N/10mm belt width)	Specific Belt Stiffness Steel Reinforced (Per unit width/length)	Specific Belt Mass (per 10mm belt width, steel reinforced)
T-Series	T10	M	3520	880	2.20 x 10 ⁵ N	0.045 kg/m
		V	-	440	-	

Minimum Number of Pulley Teeth and Idler Diameter

Pitch (mm)	Min. # of Pulley Teeth (no back bending)	Min. # of Pulley Teeth (with back bending)	Min. Diameter of Flat Idler running on tooth side (mm)	Min. Diameter of Flat Idler running on belt back (mm)
T10	12	20	60	60

Standard Material

Up to 700 mm	TPUST3
From 720 mm	TPUST1 ¹⁾

Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]
50 T10 / 5000 M

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
T10	z	d _k (mm)	d _p (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 16 mm	12	36.35	38.20	21	6	LS 31 T10-SE / 12-2 hub 28x10
	14	42.70	44.56	21	8	LS 31 T10-SE / 14-2 hub 32x10
	15	45.90	47.75	21	8	LS 31 T10-SE / 15-2 hub 32x10
	16	49.10	50.93	21	8	LS 31 T10-SE / 16-2 hub 35x10
	18	55.45	57.30	21	10	LS 31 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	21	10	LS 31 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	21	12	LS 31 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	21	12	LS 31 T10 / 24-2 hub 58x10
	25	77.75	79.58	21	12	LS 31 T10 / 25-2 hub 60x10
	27	84.10	85.94	21	12	LS 31 T10 / 27-2 hub 60x10
	30	93.65	95.49	21	12	LS 31 T10 / 30-2 hub 60x10
	32	100.00	101.86	21	12	LS 31 T10 / 32-2 hub 65x10
	36	112.75	114.59	21	16	LS 31 T10 / 36-2 hub 70x10
	40	125.45	127.32	21	16	LS 31 T10 / 40-2 hub 80x10
48	150.95	152.79	21	16	LS 31 T10 / 48-0 hub 95x10	
60	189.15	190.99	21	16	LS 31 T10 / 60-0 hub 110x10	
BELT WIDTH = 25 mm	12	36.35	38.20	30	6	LS 40 T10-SE / 12-2 hub 28x10
	14	42.70	44.56	30	8	LS 40 T10-SE / 14-2 hub 32x10
	15	45.90	47.75	30	8	LS 40 T10-SE / 15-2 hub 32x10
	16	49.10	50.93	30	8	LS 40 T10-SE / 16-2 hub 35x10
	18	55.45	57.30	30	10	LS 40 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	30	10	LS 40 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	30	12	LS 40 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	30	12	LS 40 T10 / 24-2 hub 58x10
	25	77.75	79.58	30	12	LS 40 T10 / 25-2 hub 60x10
	27	84.10	85.94	30	12	LS 40 T10 / 27-2 hub 60x10
	30	93.65	95.49	30	12	LS 40 T10 / 30-2 hub 60x10
	32	100.00	101.86	30	12	LS 40 T10 / 32-2 hub 65x10
	36	112.75	114.59	30	16	LS 40 T10 / 36-2 hub 70x10
	40	125.45	127.32	30	16	LS 40 T10 / 40-2 hub 80x10
48	150.95	152.79	30	16	LS 40 T10 / 48-0 hub 95x10	
60	189.15	190.99	30	16	LS 40 T10 / 60-0 hub 110x10	
BELT WIDTH = 32 mm	18	55.45	57.30	40	10	LS 50 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	40	10	LS 50 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	40	12	LS 50 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	40	12	LS 50 T10 / 24-2 hub 58x10
	25	77.75	79.58	40	12	LS 50 T10 / 25-2 hub 60x10
	27	84.10	85.94	40	12	LS 50 T10 / 27-2 hub 60x10
	30	93.65	95.49	40	12	LS 50 T10 / 30-2 hub 60x10
	32	100.00	101.86	40	12	LS 50 T10 / 32-2 hub 65x10
	36	112.75	114.59	40	16	LS 50 T10 / 36-2 hub 70x10
	40	125.45	127.32	40	16	LS 50 T10 / 40-2 hub 80x10
BELT WIDTH = 50 mm	18	55.45	57.30	56	10	LS 66 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	56	10	LS 66 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	56	12	LS 66 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	56	12	LS 66 T10 / 24-2 hub 58x10
	25	77.75	79.58	56	12	LS 66 T10 / 25-2 hub 60x10
	27	84.10	85.94	56	12	LS 66 T10 / 27-2 hub 60x10
	30	93.65	95.49	56	12	LS 66 T10 / 30-2 hub 60x10
	32	100.00	101.86	56	12	LS 66 T10 / 32-2 hub 65x10
	36	112.75	114.59	56	16	LS 66 T10 / 36-2 hub 70x10
	40	125.45	127.32	56	16	LS 66 T10 / 40-2 hub 80x10
	48	150.95	152.79	56	16	LS 66 T10 / 48-0 hub 95x10
	60	189.15	190.99	56	16	LS 66 T10 / 60-0 hub 110x10

Ordering Example: Stock Pulleys

[MATERIAL] [WIDTH OVER HUB] [PITCH] / [# OF TEETH] [# OF FLANGES] [HUB DIAMETER] [HUB WIDTH]

LS 66 T10 / 48 - 0 hub 95 x 10