



Open-Ended "M"	Specifications										
	<b>Widths (mm)</b> <small>In between widths available</small>	6	10	12	16	20	25	32	50	75	100
	<b>Lengths</b>	Any lengths available - Stock rolls 50 meters									
	<b>Available Options</b>	Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover), Double-sided (DL), Extra thickness (DR)									
	<b>Tension Member Options</b>	Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®									

Spliced and Welded "V"	Specifications										
	<b>Widths (mm)</b> <small>In between widths available</small>	10	12	16	20	25	32	50	75	100	
	<b>Min. Joined Length (mm)</b> <small>Increasing in one tooth increments</small>	400									
	<b>Available Options</b>	Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover), Double-sided (DL), Extra thickness (DR)									
	<b>Tension Member Options</b>	Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®									

### Product Performance

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

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 5 kW	Approx. 10000 min <sup>-1</sup>	Approx. 80 ms <sup>-1</sup>	From z=10	Office machinery, do-it-yourself units, positioning and regulating drives.

### 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	T5	M V	1344 -	336 168	8.40 x 10 <sup>4</sup> N -	0.021 kg/m

### 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)
T5	10	15	30	30

### Standard Material

Up to 690 mm	TPUST3
From 720 mm	TPUST1 <sup>1)</sup>

### Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]  
**50 T5 / 5000 M**

## Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
T5	z	d <sub>k</sub> (mm)	d <sub>o</sub> (mm)	B (mm)	d <sub>v</sub> (mm)	
BELT WIDTH = 10 mm	10	15.05	15.92	15	4	LS 21 T5-SE / 10-2 hub 8x6
	12	18.25	19.10	15	4	LS 21 T5-SE / 12-2 hub 12x6
	14	21.45	22.28	15	6	LS 21 T5-SE / 14-2 hub 14x6
	15	23.05	23.87	15	6	LS 21 T5-SE / 15-2 hub 16x6
	16	24.60	25.46	15	6	LS 21 T5-SE / 16-2 hub 18x6
	18	27.80	28.65	15	6	LS 21 T5-SE / 18-2 hub 20x6
	19	29.40	30.24	15	6	LS 21 T5-SE / 19-2 hub 22x6
	20	31.00	31.83	15	6	LS 21 T5-SE / 20-2 hub 24x6
	24	37.35	38.20	15	6	LS 21 T5 / 24-2 hub 26x6
	25	38.95	39.79	15	6	LS 21 T5 / 25-2 hub 26x6
	27	42.15	42.97	15	8	LS 21 T5 / 27-2 hub 30x6
	30	46.90	47.75	15	8	LS 21 T5 / 30-2 hub 34x6
	32	50.10	50.93	15	8	LS 21 T5 / 32-2 hub 38x6
	36	56.45	57.30	15	8	LS 21 T5 / 36-2 hub 38x6
	40	62.65	63.66	15	8	LS 21 T5 / 40-2 hub 40x6
48	75.55	76.39	15	8	LS 21 T5 / 48-0 hub 50x6	
60	94.65	95.49	15	8	LS 21 T5 / 60-0 hub 65x6	
BELT WIDTH = 16 mm	10	15.05	15.92	21	4	LS 27 T5-SE / 10-2 hub 8x6
	12	18.25	19.10	21	4	LS 27 T5-SE / 12-2 hub 12x6
	14	21.45	22.28	21	6	LS 27 T5-SE / 14-2 hub 14x6
	15	23.05	23.87	21	6	LS 27 T5-SE / 15-2 hub 16x6
	16	24.60	25.46	21	6	LS 27 T5-SE / 16-2 hub 18x6
	18	27.80	28.65	21	6	LS 27 T5-SE / 18-2 hub 20x6
	19	29.40	30.24	21	6	LS 27 T5-SE / 19-2 hub 22x6
	20	31.00	31.83	21	6	LS 27 T5-SE / 20-2 hub 24x6
	24	37.35	38.20	21	6	LS 27 T5 / 24-2 hub 26x6
	25	38.95	39.79	21	6	LS 27 T5 / 25-2 hub 26x6
	27	42.15	42.97	21	8	LS 27 T5 / 27-2 hub 30x6
	30	46.90	47.75	21	8	LS 27 T5 / 30-2 hub 34x6
	32	50.10	50.93	21	8	LS 27 T5 / 32-2 hub 38x6
	36	56.45	57.30	21	8	LS 27 T5 / 36-2 hub 38x6
	40	62.65	63.66	21	8	LS 27 T5 / 40-2 hub 40x6
48	75.55	76.39	21	8	LS 27 T5 / 48-0 hub 50x6	
60	94.65	95.49	21	8	LS 27 T5 / 60-0 hub 65x6	
BELT WIDTH = 25 mm	10	15.05	15.92	30	4	LS 36 T5-SE / 10-2 hub 8x6
	12	18.25	19.10	30	4	LS 36 T5-SE / 12-2 hub 12x6
	14	21.45	22.28	30	6	LS 36 T5-SE / 14-2 hub 14x6
	15	23.05	23.87	30	6	LS 36 T5-SE / 15-2 hub 16x6
	16	24.60	25.46	30	6	LS 36 T5-SE / 16-2 hub 18x6
	18	27.80	28.65	30	6	LS 36 T5-SE / 18-2 hub 20x6
	19	29.40	30.24	30	6	LS 36 T5-SE / 19-2 hub 22x6
	20	31.00	31.83	30	6	LS 36 T5-SE / 20-2 hub 24x6
	24	37.35	38.20	30	6	LS 36 T5 / 24-2 hub 26x6
	25	38.95	39.79	30	6	LS 36 T5 / 25-2 hub 26x6
	27	42.15	42.97	30	8	LS 36 T5 / 27-2 hub 30x6
	30	46.90	47.75	30	8	LS 36 T5 / 30-2 hub 34x6
	32	50.10	50.93	30	8	LS 36 T5 / 32-2 hub 38x6
	36	56.45	57.30	30	8	LS 36 T5 / 36-2 hub 38x6
	40	62.65	63.66	30	8	LS 36 T5 / 40-2 hub 40x6
48	75.55	76.39	30	8	LS 36 T5 / 48-0 hub 50x6	
60	94.65	95.49	30	8	LS 36 T5 / 60-0 hub 65x6	

### Ordering Example: Stock Pulleys

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

LS 36 T5 / 40 - 2 hub 40 x 6