



Open-Ended "M"		Specifications										
Widths (mm) <small>In between widths available</small>		6	8	10	12	16	20	25	32	50	75	100
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), 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>		10	12	16	20	25	32	50	75	100		
Min. Joined Length (mm) <small>Increasing in one tooth increments</small>		400										
Available Options		Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover), Extra thickness (DR)										
Tension Member Options		Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®										

Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 15 kW	Approx. 10000 min ⁻¹	Approx. 80 ms ⁻¹	From z=15	Machine tools, pumps, textile 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)
AT-Series	AT5	M V	2800 -	700 318	1.75 x 10 ⁵ N -	0.033 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)
AT5	15	20	25	60

Standard Material

Up to 660 mm	TPUST3
From 720 mm	TPUST1 ¹⁾

Ordering Example: Polyurethane Timing Belt

[WIDTH]	[PITCH]	/	[LENGTH]	[CONSTRUCTION]
25	AT5	/	5000	M

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
AT5	z	d _k (mm)	d _o (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 16 mm	12	17.88	19.10	22	4	LS 28 AT5 / 12-2 hub 12x6
	14	21.06	22.28	22	6	LS 28 AT5 / 14-2 hub 14x6
	15	22.65	23.87	22	6	LS 28 AT5 / 15-2 hub 16x6
	16	24.24	25.46	22	6	LS 28 AT5 / 16-2 hub 18x6
	18	27.43	28.65	22	6	LS 28 AT5 / 18-2 hub 20x6
	19	29.02	30.24	22	6	LS 28 AT5 / 19-2 hub 22x6
	20	30.61	31.83	22	6	LS 28 AT5 / 20-2 hub 24x6
	22	33.79	35.01	22	6	LS 28 AT5 / 22-2 hub 24x6
	24	36.98	38.20	22	8	LS 28 AT5 / 24-2 hub 26x6
	25	38.57	39.79	22	8	LS 28 AT5 / 25-2 hub 26x6
	27	41.75	42.97	22	8	LS 28 AT5 / 27-2 hub 30x6
	30	46.53	47.75	22	8	LS 28 AT5 / 30-2 hub 34x6
	32	49.71	50.93	22	8	LS 28 AT5 / 32-2 hub 38x6
	36	56.08	57.30	22	8	LS 28 AT5 / 36-2 hub 38x6
	40	62.44	63.66	22	8	LS 28 AT5 / 40-2 hub 40x6
	44	68.81	70.03	22	8	LS 28 AT5 / 44-2 hub 50x6
48	75.17	76.39	22	8	LS 28 AT5 / 48-0 hub 50x6	
60	94.27	95.49	22	8	LS 28 AT5 / 60-0 hub 65x6	
72	113.37	114.59	22	8	LS 28 AT5 / 72-0 hub 80x6	
BELT WIDTH = 25 mm	12	17.88	19.10	32	4	LS 38 AT5 / 12-2 hub 12X6
	14	21.06	22.28	32	6	LS 38 AT5 / 14-2 hub 14x6
	15	22.65	23.87	32	6	LS 38 AT5 / 15-2 hub 16x6
	16	24.24	25.46	32	6	LS 38 AT5 / 16-2 hub 18x6
	18	27.43	28.65	32	6	LS 38 AT5 / 18-2 hub 20x6
	19	29.02	30.24	32	6	LS 38 AT5 / 19-2 hub 22x6
	20	30.61	31.83	32	6	LS 38 AT5 / 20-2 hub 24x6
	22	33.79	35.01	32	6	LS 38 AT5 / 22-2 hub 24x6
	24	36.98	38.20	32	8	LS 38 AT5 / 24-2 hub 26x6
	25	38.57	39.79	32	8	LS 38 AT5 / 25-2 hub 26x6
	27	41.75	42.97	32	8	LS 38 AT5 / 27-2 hub 30x6
	30	46.53	47.75	32	8	LS 38 AT5 / 30-2 hub 34x6
	32	49.71	50.93	32	8	LS 38 AT5 / 32-2 hub 38x6
	36	56.08	57.30	32	8	LS 38 AT5 / 36-2 hub 38x6
	40	62.44	63.66	32	8	LS 38 AT5 / 40-2 hub 40x6
	44	68.81	70.03	32	8	LS 38 AT5 / 44-2 hub 50x6
48	75.17	76.39	32	8	LS 38 AT5 / 48-0 hub 50x6	
60	94.27	95.49	32	8	LS 38 AT5 / 60-0 hub 65x6	
72	113.37	114.59	32	8	LS 38 AT5 / 72-0 hub 80x6	
BELT WIDTH = 32 mm	12	17.88	19.10	40	4	LS 46 AT5 / 12-2 hub 12x6
	14	21.06	22.28	40	6	LS 46 AT5 / 14-2 hub 14x6
	15	22.65	23.87	40	6	LS 46 AT5 / 15-2 hub 16x6
	16	24.24	25.46	40	6	LS 46 AT5 / 16-2 hub 18x6
	18	27.43	28.65	40	6	LS 46 AT5 / 18-2 hub 20x6
	19	29.02	30.24	40	6	LS 46 AT5 / 19-2 hub 20x6
	20	30.61	31.83	40	6	LS 46 AT5 / 20-2 hub 24x6
	22	33.79	35.01	40	6	LS 46 AT5 / 22-2 hub 24x6
	24	36.98	38.20	40	8	LS 46 AT5 / 24-2 hub 26x6
	25	38.57	39.79	40	8	LS 46 AT5 / 25-2 hub 26x6
	27	41.75	42.97	40	8	LS 46 AT5 / 27-2 hub 30x6
	30	46.53	47.75	40	8	LS 46 AT5 / 30-2 hub 34x6
	32	49.71	50.93	40	8	LS 46 AT5 / 32-2 hub 38x6
	36	56.08	57.30	40	8	LS 46 AT5 / 36-2 hub 38x6
	40	62.44	63.66	40	8	LS 46 AT5 / 40-2 hub 40x6
	44	68.81	70.03	40	8	LS 46 AT5 / 44-2 hub 50x6
48	75.17	76.39	40	8	LS 46 AT5 / 48-0 hub 50x6	
60	94.27	95.49	40	8	LS 46 AT5 / 60-0 hub 65x6	
72	113.37	114.59	40	8	LS 46 AT5 / 72-0 hub 80x6	

Ordering Example: Stock Pulleys

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

LS 46 AT5 / 60 - 0 hub 65 x 6