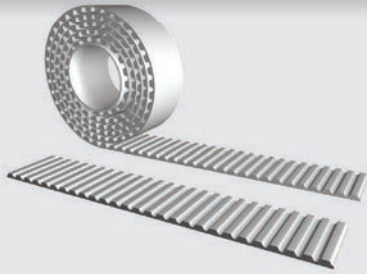


Open-Ended "M"

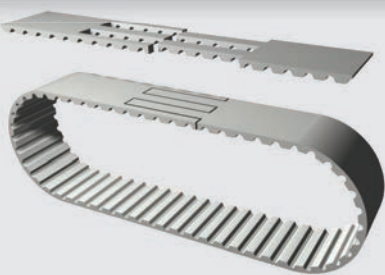
Specifications



Widths (mm) <small>In between widths available</small>	6	8	10	12	16	20	25
Lengths	Any lengths available - Stock rolls 50 meters						
Available Options	Nylon coating tooth side (PAZ), Nylon backing (PAR)						
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>	8	10	12	16	20	25
Min. Joined Length (mm) <small>Increasing in one tooth increments</small>	879					
Available Options	Nylon coating tooth side (PAZ), Nylon backing (PAR)					
Tension Member Options	Steel standard Hi-flex steel VA301 Stainless steel Kevlar®					

Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 5 kW	Approx. 20000 min ⁻¹	Approx. 80 ms ⁻¹	From z=15	Small power drives, handling technology

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	AT3	M V	1600 -	400 200	1.00 x 10 ⁵ N -	0.022 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)
AT3	15	25	30	30

Standard Material

TPUST¹⁾

Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]

16 AT3 / 1710 BFX

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
AT3	z	d _k (mm)	d _o (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 6 mm	15	13.91	14.32	10	6	LS 16 AT3 / 15-2 hub 10x6
	16	14.87	15.28	10	6	LS 16 AT3 / 16-2 hub 10x6
	18	16.78	17.19	10	6	LS 16 AT3 / 18-2 hub 12x6
	20	18.69	19.10	10	6	LS 16 AT3 / 20-2 hub 14x6
	22	20.60	21.01	10	6	LS 16 AT3 / 22-2 hub 14x6
	24	22.51	22.92	10	6	LS 16 AT3 / 24-2 hub 14x6
	25	23.46	23.87	10	6	LS 16 AT3 / 25-2 hub 16x6
	27	25.37	25.78	10	6	LS 16 AT3 / 27-2 hub 16x6
	30	28.24	28.65	10	6	LS 16 AT3 / 30-2 hub 20x6
	32	30.15	30.56	10	6	LS 16 AT3 / 32-2 hub 20x6
	36	33.97	34.38	10	6	LS 16 AT3 / 36-2 hub 22x6
	40	37.79	38.20	10	6	LS 16 AT3 / 40-2 hub 26x6
	44	41.61	42.02	10	6	LS 16 AT3 / 44-0 hub 30x6
	45	42.56	42.97	10	6	LS 16 AT3 / 45-0 hub 30x6
BELT WIDTH = 10 mm	48	45.43	45.84	10	6	LS 16 AT3 / 48-0 hub 34x6
	60	56.89	57.30	10	6	LS 16 AT3 / 60-0 hub 38x6
	72	68.34	68.75	10	6	LS 16 AT3 / 72-0 hub 50x6
	15	13.91	14.32	15	6	LS 21 AT3 / 15-2 hub 10x6
	16	14.87	15.28	15	6	LS 21 AT3 / 16-2 hub 10x6
	18	16.78	17.19	15	6	LS 21 AT3 / 18-2 hub 12x6
	20	18.69	19.10	15	6	LS 21 AT3 / 20-2 hub 14x6
	22	20.60	21.01	15	6	LS 21 AT3 / 22-2 hub 14x6
	24	22.51	22.92	15	6	LS 21 AT3 / 24-2 hub 14x6
	25	23.46	23.87	15	6	LS 21 AT3 / 25-2 hub 16x6
	27	25.37	25.78	15	6	LS 21 AT3 / 27-2 hub 16x6
	30	28.24	28.65	15	6	LS 21 AT3 / 30-2 hub 20x6
	32	30.15	30.56	15	6	LS 21 AT3 / 32-2 hub 20x6
	36	33.97	34.38	15	6	LS 21 AT3 / 36-2 hub 22x6
BELT WIDTH = 16 mm	40	37.79	38.20	15	6	LS 21 AT3 / 40-2 hub 26x6
	44	41.61	42.02	15	6	LS 21 AT3 / 44-0 hub 30x6
	45	42.56	42.97	15	6	LS 21 AT3 / 45-0 hub 30x6
	48	45.43	45.84	15	6	LS 21 AT3 / 48-0 hub 34x6
	60	56.89	57.30	15	6	LS 21 AT3 / 60-0 hub 38x6
	72	68.34	68.75	15	6	LS 21 AT3 / 72-0 hub 50x6
	15	13.91	14.32	22	6	LS 28 AT3 / 15-2 hub 10x6
	16	14.87	15.28	22	6	LS 28 AT3 / 16-2 hub 10x6
	18	16.78	17.19	22	6	LS 28 AT3 / 18-2 hub 12x6
	20	18.69	19.10	22	6	LS 28 AT3 / 20-2 hub 14x6
	22	20.60	21.01	22	6	LS 28 AT3 / 22-2 hub 14x6
	24	22.51	22.92	22	6	LS 28 AT3 / 24-2 hub 14x6
	25	23.46	23.87	22	6	LS 28 AT3 / 25-2 hub 16x6
	27	25.37	25.78	22	6	LS 28 AT3 / 27-2 hub 16x6
30	28.24	28.65	22	6	LS 28 AT3 / 30-2 hub 20x6	
32	30.15	30.56	22	6	LS 28 AT3 / 32-2 hub 20x6	
36	33.97	34.38	22	6	LS 28 AT3 / 36-2 hub 22x6	
40	37.79	38.20	22	6	LS 28 AT3 / 40-2 hub 26x6	
44	41.61	42.02	22	6	LS 28 AT3 / 44-0 hub 30x6	
45	42.56	42.97	22	6	LS 28 AT3 / 45-0 hub 30x6	
48	45.43	45.84	22	6	LS 28 AT3 / 48-0 hub 34x6	
60	56.89	57.30	22	6	LS 28 AT3 / 60-0 hub 38x6	
72	68.34	68.75	22	6	LS 28 AT3 / 72-0 hub 50x6	

Ordering Example: Stock Pulleys

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

LS 28 AT3 / 45 - 0 hub 30 x 6