



Open-Ended "M"		Specifications			
Widths (mm) <small>In between widths available</small>		32	50	75	100
Lengths		Any lengths available - Stock rolls 50 meters			
Available Options		White nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-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>		32	50	75	100
Min. Joined Length (mm) <small>Increasing in one tooth increments</small>		1000	500	880	
Available Options		White nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR)			
Tension Member Options		Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®			

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)
BATK10	20	25	60	120

Standard Material

TPUST1²⁾

Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 70 kW	ca. 10000 min ⁻¹	ca. 60 ms ⁻¹	ab z=15	Construction machines, pumps, paper-making machines, compressors, textile machines, roller-table 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)
ARC-Power® Series	BATK10	M V	6400 -	1600 850	4.00 x 10 ⁵ N -	0.058 kg/m

Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]
32 BATK10 / 4000 M

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
BATK10	z	d _o (mm)	d _p (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 32 mm	20	61.84	63.66	37	12	LS 47 BATK10 / 20-0 hubs(2) 46x5
	22	68.21	70.03	37	12	LS 47 BATK10 / 22-0 hubs(2) 53x5
	24	74.57	76.39	37	12	LS 47 BATK10 / 24-0 hubs(2) 57x5
	25	77.76	79.58	37	12	LS 47 BATK10 / 25-0 hubs(2) 59x5
	27	84.12	85.94	37	12	LS 47 BATK10 / 27-0 hubs(2) 64x5
	30	93.67	95.49	37	12	LS 47 BATK10 / 30-0 hubs(2) 73x5
	32	100.04	101.86	37	12	LS 47 BATK10 / 32-0 hubs(2) 80x5
	36	112.77	114.59	37	16	LS 47 BATK10 / 36-0 hubs(2) 92x5
	40	125.50	127.32	37	16	LS 47 BATK10 / 40-0 hubs(2) 105x5
	48	150.97	152.79	37	20	LS 47 BATK10 / 48-0 hubs(2) 130x5
BELT WIDTH = 50mm	20	61.84	63.66	55	12	LS 65 BATK10 / 20-0 hubs(2) 46x5
	22	68.21	70.03	55	12	LS 65 BATK10 / 22-0 hubs(2) 53x5
	24	74.57	76.39	55	12	LS 65 BATK10 / 24-0 hubs(2) 57x5
	25	77.76	79.58	55	12	LS 65 BATK10 / 25-0 hubs(2) 59x5
	27	84.12	85.94	55	12	LS 65 BATK10 / 27-0 hubs(2) 64x5
	30	93.67	95.49	55	12	LS 65 BATK10 / 30-0 hubs(2) 73x5
	32	100.04	101.86	55	12	LS 65 BATK10 / 30-0 hubs(2) 80x5
	36	112.77	114.59	55	16	LS 65 BATK10 / 36-0 hubs(2) 92x5
	40	125.50	127.32	55	16	LS 65 BATK10 / 40-0 hubs(2) 105x5
	48	150.97	152.79	55	20	LS 65 BATK10 / 48-0 hubs(2) 130x5
BELT WIDTH = 75mm	20	61.84	63.66	80	12	LS 90 BATK10 / 20-0 hubs(2) 46x5
	22	68.21	70.03	80	12	LS 90 BATK10 / 22-0 hubs(2) 53x5
	24	74.57	76.39	80	12	LS 90 BATK10 / 24-0 hubs(2) 57x5
	25	77.76	79.58	80	12	LS 90 BATK10 / 25-0 hubs(2) 59x5
	27	84.12	85.94	80	12	LS 90 BATK10 / 27-0 hubs(2) 64x5
	30	93.67	95.49	80	12	LS 90 BATK10 / 30-0 hubs(2) 73x5
	32	100.04	101.86	80	12	LS 90 BATK10 / 32-0 hubs(2) 80x5
	36	112.77	114.59	80	16	LS 90 BATK10 / 36-0 hubs(2) 92x5
	40	125.50	127.32	80	16	LS 90 BATK10 / 40-0 hubs(2) 105x5
	48	150.97	152.79	80	20	LS 90 BATK10 / 48-0 hubs(2) 130x5
BELT WIDTH = 100mm	20	61.84	63.66	105	12	LS 115 BATK10 / 20-0 hubs(2) 46x5
	22	68.21	70.03	105	12	LS 115 BATK10 / 22-0 hubs(2) 53x5
	24	74.57	76.39	105	12	LS 115 BATK10 / 24-0 hubs(2) 57x5
	25	77.76	79.58	105	12	LS 115 BATK10 / 25-0 hubs(2) 59x5
	27	84.12	85.94	105	12	LS 115 BATK10 / 27-0 hubs(2) 64x5
	30	93.67	95.49	105	12	LS 115 BATK10 / 30-0 hubs(2) 73x5
	32	100.04	101.86	105	12	LS 115 BATK10 / 32-0 hubs(2) 80x5
	36	112.77	114.59	105	16	LS 115 BATK10 / 36-0 hubs(2) 92x5
	40	125.50	127.32	105	16	LS 115 BATK10 / 40-0 hubs(2) 105x5
	48	150.97	152.79	105	20	LS 115 BATK10 / 48-0 hubs(2) 130x5
60	189.17	190.99	105	20	LS 115 BATK10 / 60-0 hubs(2) 169x5	

Ordering Example: Stock Pulleys

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

LS 115 BATK10 / 48 - 0 hub 130 x 5