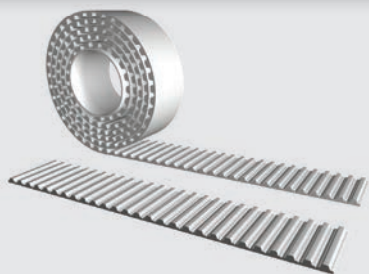


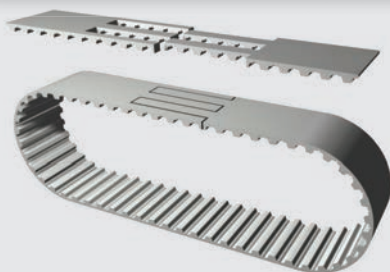
Open-Ended "M"



Specifications

Widths (inches) <small>In between widths available</small>	.5	.75	1.0	1.5	2.0	3.0	4.0	6.0
Widths (mm)	12.7	19.05	25.4	38.1	50.8	76.2	101.6	152.45
Lengths	Any length available. Stock rolls 50 meters (164ft)							
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 (inches) <small>In between widths available</small>	.5	.75	1.0	1.5	2.0	3.0	4.0	6.0
Widths (mm)	12.7	19.05	25.4	38.1	50.8	76.2	101.6	152.45
Min. Joined Length (mm) <small>Increasing in one tooth increments</small>	508 (20 inches)							889(35")
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®							

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)
Imperial Series	H (T1/2")	M	3464	866	2.17 x 10 ⁵ N	0.043 kg/m
		V	-	433	-	

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)
H (T1/2")	14	20	60	80

Standard Material

From 723.9 mm	TPUST1 ¹⁾
---------------	----------------------

Ordering Example: Polyurethane Timing Belt

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

EX 1: 50.8 T1/2" / 2032 V

EX 2: 800 H / 200 V

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
T5	z	d _k (mm)	d ₀ (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 25.4 mm	14	55.23	56.60	32	12	LS 42 T1/2" / 14-2 hub 40x10
	16	63.31	64.68	32	15	LS 42 T1/2" / 16-2 hub 46x10
	18	71.39	72.77	32	15	LS 42 T1/2" / 18-2 hub 54x10
	20	79.48	80.85	32	15	LS 42 T1/2" / 20-2 hub 62x10
	22	87.56	88.94	32	15	LS 42 T1/2" / 22-2 hub 70x10
	24	95.65	97.02	32	15	LS 42 T1/2" / 24-2 hub 75x10
	26	103.73	105.11	32	15	LS 42 T1/2" / 26-2 hub 75x10
	28	111.82	113.19	32	15	LS 42 T1/2" / 28-2 hub 75x10
	30	119.90	121.28	32	15	LS 42 T1/2" / 30-2 hub 80x10
	32	127.99	129.36	32	20	LS 42 T1/2" / 32-2 hub 85x10
BELT WIDTH = 38.1 mm	14	55.23	56.60	44	12	LS 54 T1/2" / 14-2 hub 40x10
	16	63.31	64.68	44	15	LS 54 T1/2" / 16-2 hub 46x10
	18	71.39	72.77	44	15	LS 54 T1/2" / 18-2 hub 54x10
	20	79.48	80.85	44	15	LS 54 T1/2" / 20-2 hub 62x10
	22	87.56	88.94	44	15	LS 54 T1/2" / 22-2 hub 70x10
	24	95.65	97.02	44	15	LS 54 T1/2" / 24-2 hub 75x10
	26	103.73	105.11	44	15	LS 54 T1/2" / 26-2 hub 75x10
	28	111.82	113.19	44	15	LS 54 T1/2" / 28-2 hub 75x10
	30	119.90	121.28	44	15	LS 54 T1/2" / 30-2 hub 80x10
	32	127.99	129.36	44	20	LS 54 T1/2" / 32-2 hub 85x10
BELT WIDTH = 50.8 mm	14	55.23	56.60	59	12	LS 69 T1/2" / 14-2 hub 40x10
	16	63.31	64.68	59	15	LS 69 T1/2" / 16-2 hub 46x10
	18	71.39	72.77	59	15	LS 69 T1/2" / 18-2 hub 54x10
	20	79.48	80.85	59	15	LS 69 T1/2" / 20-2 hub 62x10
	22	87.56	88.94	59	15	LS 69 T1/2" / 22-2 hub 70x10
	24	95.65	97.02	59	15	LS 69 T1/2" / 24-2 hub 75x10
	26	103.73	105.11	59	15	LS 69 T1/2" / 26-2 hub 75x10
	28	111.82	113.19	59	15	LS 69 T1/2" / 28-2 hub 75x10
	30	119.90	121.28	59	15	LS 69 T1/2" / 30-2 hub 80x10
	32	127.99	129.36	59	20	LS 69 T1/2" / 32-2 hub 85x10
BELT WIDTH = 76.2 mm	14	55.23	56.60	84	12	LS 96 T1/2" / 14-2 hub 40x12
	16	63.31	64.68	84	15	LS 96 T1/2" / 16-2 hub 46x12
	18	71.39	72.77	84	15	LS 96 T1/2" / 18-2 hub 54x12
	20	79.48	80.85	84	15	LS 96 T1/2" / 20-2 hub 62x12
	22	87.56	88.94	84	15	LS 96 T1/2" / 22-2 hub 70x12
	24	95.65	97.02	84	15	LS 96 T1/2" / 24-2 hub 75x12
	26	103.73	105.11	84	15	LS 96 T1/2" / 26-2 hub 75x12
	28	111.82	113.19	84	15	LS 96 T1/2" / 28-2 hub 75x12
	30	119.90	121.28	84	15	LS 96 T1/2" / 30-2 hub 80x12
	32	127.99	129.36	84	20	LS 96 T1/2" / 32-2 hub 85x12
	36	144.16	145.53	84	20	LS 96 T1/2" / 36-2 hub 90x12
	40	160.33	161.70	84	20	LS 96 T1/2" / 40-2 hub 95x12

Ordering Example: Stock Pulleys

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

LS 96 T(1/2") / 36 - 2 hub 90 x 12