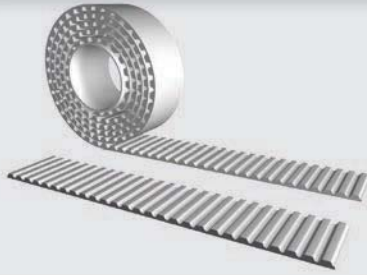


## Open-Ended "M"

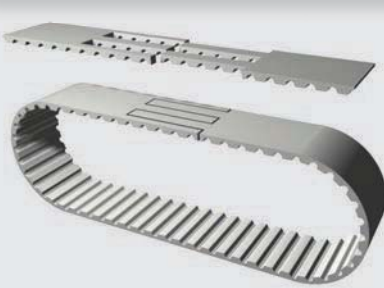
## Specifications



|  |   |    |    |    |     |     |
|--|---|----|----|----|-----|-----|
| <b>Widths (mm)</b><br><small>In between widths available</small> | 25  | 32 | 50 | 75 | 100 | 150 |
| <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) |    |    |    |     |     |
| <b>Tension Member Options</b>                                    | Steel standard<br>Hi-flex steel<br>VA301 Stainless steel<br>VA316 Hi-flex Stainless steel<br>Kevlar®          |    |    |    |     |     |

## Spliced and Welded "V"

## Specifications



|   |   |    |       |    |     |     |
|---|---|----|-------|----|-----|-----|
| <b>Widths (mm)</b><br><small>In between widths available</small>                    | 25  | 32 | 50    | 75 | 100 | 150 |
| <b>Min. Joined Length (mm)</b><br><small>Increasing in one tooth increments</small> | 920   |    | 1,000 |    |     |     |
| <b>Available Options</b>  | Nylon coating tooth side (PAZ), Nylon backing (PAR), Nylon both sides (PAZ-PAR), Polyurethane cover (T-Cover) |    |       |    |     |     |
| <b>Tension Member Options</b>   | Steel standard<br>Hi-flex steel<br>VA301 Stainless steel<br>VA316 Hi-flex Stainless steel<br>Kevlar®          |    |       |    |     |     |

Note: Minimum weld length is not recommended for widths less than 22mm

## Product Performance

| Power Transmission     | Rotational Speed               | Peripheral Speed            | Synchronous Pulley | Applications (Example)  |
|------------------------|--------------------------------|-----------------------------|--------------------|---|
| Possible beyond 200 kW | Approx. 6500 min <sup>-1</sup> | Approx. 40 ms <sup>-1</sup> | From z=18          | Heavy-duty drives, textile machinery, printing machinery, machine tools |

## Specifications

| Timing Belt | Pitch (mm) | Code   | Ultimate Tensile Strength<br>(N/10mm belt width) | Maximum Allowable Tensile Strength<br>(N/10mm belt width) | Specific Belt Stiffness<br>Steel Reinforced<br>(Per unit width/length) | Specific Belt Mass<br>(per 10mm belt width,<br>steel reinforced) |
|-------------|------------|--------|--|---|--|--|
| AT-Series   | AT20       | M<br>V | 8960<br>-  | 2240<br>1066  | 5.60 x 10 <sup>5</sup> N<br>-  | 0.096 kg/m   |

## Minimum Number of Pulley Teeth and Idler Diameter

| Pitch (mm) | Min. # of Pulley Teeth<br>(no back bending) | Min. # of Pulley Teeth<br>(with back bending) | Min. Diameter of Flat Idler running on tooth side (mm) | Min. Diameter of Flat Idler running on belt back (mm) |
|------------|---|---|--|---|
| AT20       | 18  | 25  | 120  | 180   |

## Standard Material

TPUST1<sup>®</sup>

Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]  
50 AT20 / 5000 M