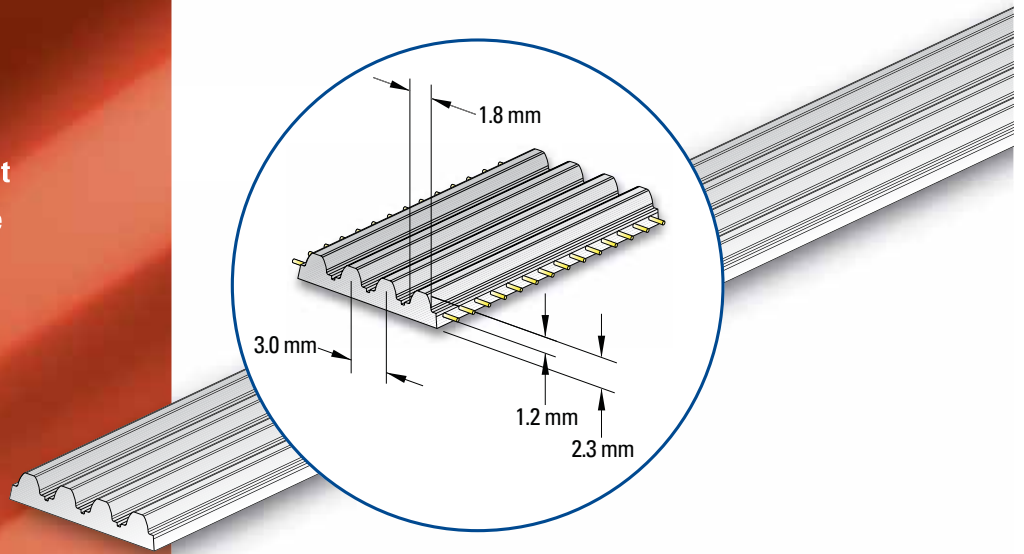


# GMT3™

## Food Grade Belting

Gates Mectrol GMT3 timing belt is designed to be an alternative to lightweight flat belt.

It is ideal for conveying applications involving small pulley diameters or where belt slippage is a concern.



GMT3 belt is ideal for synchronous conveying applications involving small diameter transfers such as those found in check weighing.



**IMAGINATION, DESIGN, EXECUTION**

# GMT3

## Features

- 3 mm pitch allows for pulley diameters as small as 0.75" (19 mm)
- Custom tooth profile
  - Designed to minimize noise and run on slider beds
  - Compatible with 3MR GT, 3M HTD and 3M RPP pulleys
- Polyurethane construction meets FDA material requirements for wet food contact
- Kevlar® tension members for minimal stretch
- Tension members are not sealed

## Benefits

- Replaces flat belt
  - No retensioning required
  - Lower shaft forces
  - Higher acceleration without slippage
  - Positive indexing
- Heavy conveying loads with pulley diameters less than 1" (25 mm)
- High conveyor acceleration rates with pulley diameters less than 1" (25 mm)
- Conveying involving small diameter transfers

## GMT3 Specifications

Pitch	mm	3
Ultimate Tensile Strength per Inch or 25 mm Belt Width	lbf/in N/25 mm	420 1870
Max. Allowable Belt Tension per Inch or 25 mm Belt Width	lbf/in N/25 mm	50 220
Min. No. of Pulley Teeth		20
Min. Pitch Diameter	mm	19
Min. Diameter of Tensioning Idler Running on Back of Belt	inch mm	1.125 30
Hardness, Shore A		85
Service Temperature Range		-10° C to +60° C (14° F to 140° F)
Urethane Grade		FDA Compliant
Standard Color		White
Min. Welded Belt Length	mm	850
Standard Roll Lengths	meters	60
Standard Slitting Lanes	mm	25
Min. Width Available	mm	100
Max. Width Available	mm	450*

\* Up to 200 mm available now. Up to 450 mm available after February 2007.

The specifications listed are based on Gates Mectrol's experience. However, our specifications and data do NOT cover all possible belt drive conditions. It is the responsibility of the belt drive system designer to ensure Gates Mectrol's belts are appropriate for a given system and application.



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