



DRIVEN BY POSSIBILITY™

INDUSTRIAL POWER TRANSMISSION:

# PRODUCT APPLICATION ENGINEERING

## OUR GREATEST ACHIEVEMENT IS YOUR SUCCESS

At Gates®, we are committed to working with our partners to develop solutions for challenges that change their business for the better. Our team of Product Application Engineers is dedicated to working with you to help improve the performance of your industrial belt drive. Whether you are a large OE manufacturer or an end user with Gates® power transmission products in your application, we are here to provide expert engineering support.

### SERVICES AND SUPPORT

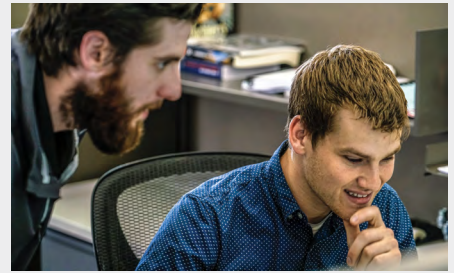
- Engineered belt drive design
- Downloadable belt drive design software
- Drive analysis and troubleshooting
- Installation and preventive maintenance tools
- Onsite belt drive engineering services
- Product information and industrial part interchange assistance
- 2D and 3D model integration
- On and off-site training
- Custom metal solutions

## FREE CONSULTATION

CONTACT US FOR HELP RESOLVING  
POWER TRANSMISSION CHALLENGES AT  
NO COST TO YOU.

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gatestech.support@gates.com  
M-F 9AM-5PM AEST

“Gates® Product Application support has been a tremendous resource to utilise in many applications. I can’t thank them enough for their attention to detail, responsiveness, and technical expertise throughout the duration of this successful project.” - Shade, CBT



# TROUBLESHOOTING BELT DRIVE ISSUES

Sometimes small issues can impact the performance and productivity of your drive systems. Below are some common issues and their causes.

SYMPTOMS	POSSIBLE CAUSE
Noisy drive	Incorrect tension, misalignment, worn pulleys
Hot/failing bearings	Over-Tensioned, sub-minimal pulley diameter
Excessive pulley wear	Misalignment, debris, incorrect tension
Belt slippage/tooth jumping	Under-tensioned, weak drive structure
Premature failure	Under-designed drive, shock load(s), worn drive components
Tracking/belt rollover	Misaligned drive, long center distance, shock load(s)

## ENGINEERED FOR EVERY CHALLENGE

Our Product Application Engineers can help improve the performance of your industrial belt drive. We can address a variety of challenges like the ones listed below and we can also help with challenges that may be unique to your particular application.

- Designing/replacing a new or existing industrial belt drive
- Troubleshooting an existing drive
- Proper tension and alignment recommendations
- Custom application/components
- Chain Conversion
- Identifying signs of wear on an existing drive

## PREVENTATIVE MAINTENANCE TOOLS

**DOUBLE BARREL TENSION TESTER**



Product No. 7401-0075

**PENCIL TYPE TENSION TESTER**



Product No. 7401-0076

**SHEAVE GAUGES**



Product No. 7401-0015

**EZ ALIGN™**



Product No. 7420-3000 - Green laser

**SONIC TENSION METER**



Product No. 7420-0508

