



DRIVEN BY POSSIBILITY™

INDUSTRIAL POWER TRANSMISSION

# EXPERT ENGINEERING SUPPORT

PRODUCT APPLICATION ENGINEERING TEAM  
FIELD APPLICATION ENGINEERING TEAM

## OUR GREATEST ACHIEVEMENT IS YOUR SUCCESS

At Gates, we are committed to helping our customers find solutions that change their business for the better. Our engineering team is dedicated to working with you to design belt drive solutions that can improve operations in your bakery. Gates Product Application Engineers are available to help resolve power transmission challenges and may be contacted by phone or email for consultation services. Gates Field Application Engineers provide consultation services for challenges that require expert analysis of your application on-site. The best part is that our expert engineering consultation services are available at no cost to you.

## SERVICES + 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

**Contact us for a  
free consultation**

1.303.744.5800

PTPASUPPORT@GATES.COM

M-F 7am-4pm, MST



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# 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



## 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)

# GATES® POWERGRIP™ GT4™

Engineered with the latest in advanced technology and materials science expertise, Gates PowerGrip GT4 delivers the highest power carrying capacity of any belt in its class. Utilizing all new advanced materials, Gates designed a belt with enhanced chemical resistance, increased temperature range capability, and greater ergonomics, delivering improved operational productivity and uptime.

