



POWERGRIP™ GT4™ BELT

8MGT AND 14MGT

EXTERNAL GLOBAL CUSTOMER PRESENTATION | 16 JULY 2019

POWER
TRANSMISSION



THE LATEST TECHNOLOGY FROM GATES

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INTRODUCING GATES® POWERGRIP™ GT4™ BELT IN 8MGT + 14MGT

INTRODUCING A NEWLY DESIGNED ETHYLENE ELASTOMER HIGH-TORQUE SYNCHRONOUS BELT.

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 increased chemical resistance and larger temperature range capability.

The NEW GT4™ belt delivers improved performance over a wide range of industrial applications. The 8MGT and 14MGT pitches are the optimum choice for high performance drives in the machine tool, paper and textile industries where durability and low maintenance are required.

From resource processing to heavy manufacturing, automated production to custom assembly — Gates solutions improve uptime, efficiency, productivity, reliability and safety for industries around the world.

FEATURES + BENEFITS:

The most advanced combination of materials and technology enable:

- Higher power-carrying capacity giving you the option to use a narrow belt
- No lubrication and less re-tensioning eliminates maintenance costs throughout the life of the belt
- Larger temperature range capability
- Improves Ergonomics — Less weight reduces fatigue and strain during installation
- Environmentally Friendly — Made without harmful chlorinated compounds





CONSTRUCTION + SPECIFICATIONS

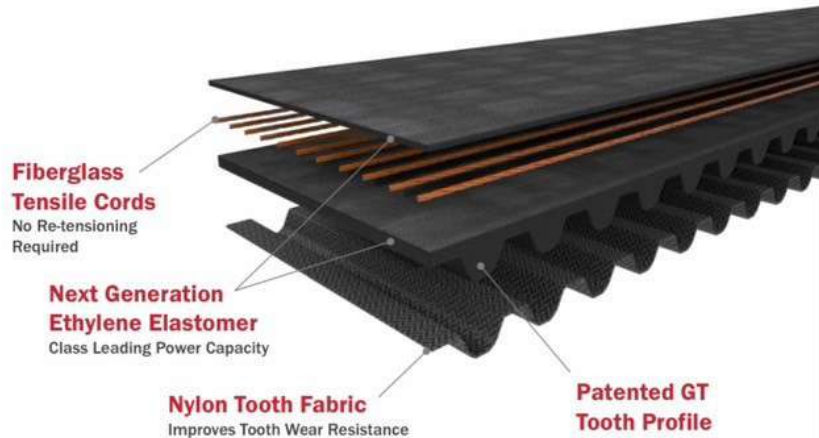
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POWERGRIP™ GT™4 SELLING POINTS CONSTRUCTION + SPECIFICATIONS

SECTION	PITCH (MM)	TOOTH HEIGHT (MM)	BELT HEIGHT (MM)	LENGTH RANGE (MM)
8MGT	8.0	3.4	5.6	384 - 4400
14MGT	14.0	6.0	10.0	966 - 6860

PRODUCT SPECIFICATIONS:

- Standard widths: 20, 30, 50, 85mm (8MGT); 40, 55, 85, 115, 170mm (14MGT)
- Fully operational in a wide range of temperatures -40°F to +248°F (-40°C to +120°C); Can be used to 284°F (140°C) intermittently
- Static conductive (ISO9563) and for conditions described in the Directive 2014/34/EU-ATEX



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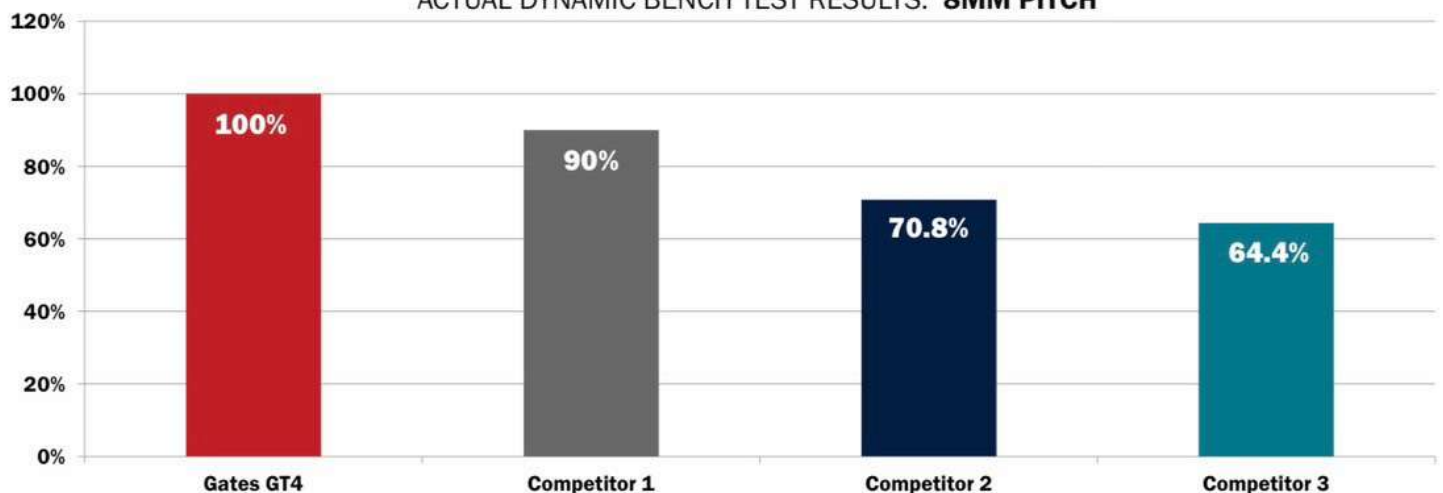


COMPETITIVE COMPARISONS FOR 8MM

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NEW POWERGRIP™ GT4™ CLASS LEADING PERFORMANCE

ACTUAL DYNAMIC BENCH TEST RESULTS: 8MM PITCH



NEW GATES GT4: ACTUAL DYNAMIC BENCH TEST RESULTS - 8MM PITCH

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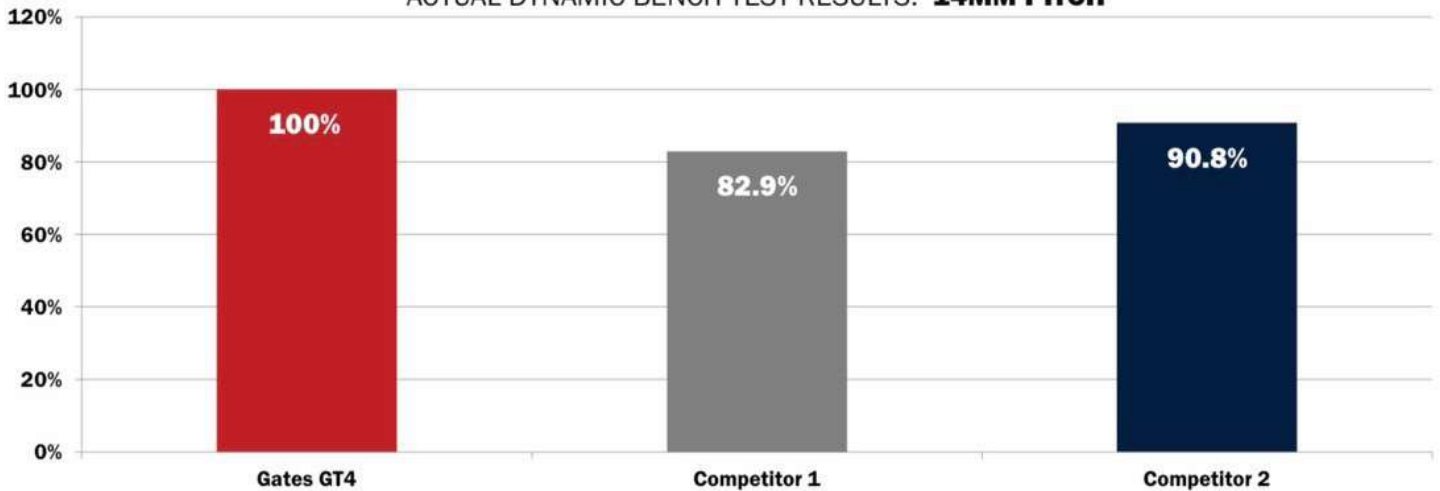


COMPETITIVE COMPARISONS FOR 14MM

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NEW POWERGRIP™ GT4™ CLASS LEADING PERFORMANCE

ACTUAL DYNAMIC BENCH TEST RESULTS: **14MM PITCH**



NEW GATES GT4: ACTUAL DYNAMIC BENCH TEST RESULTS - 14MM PITCH

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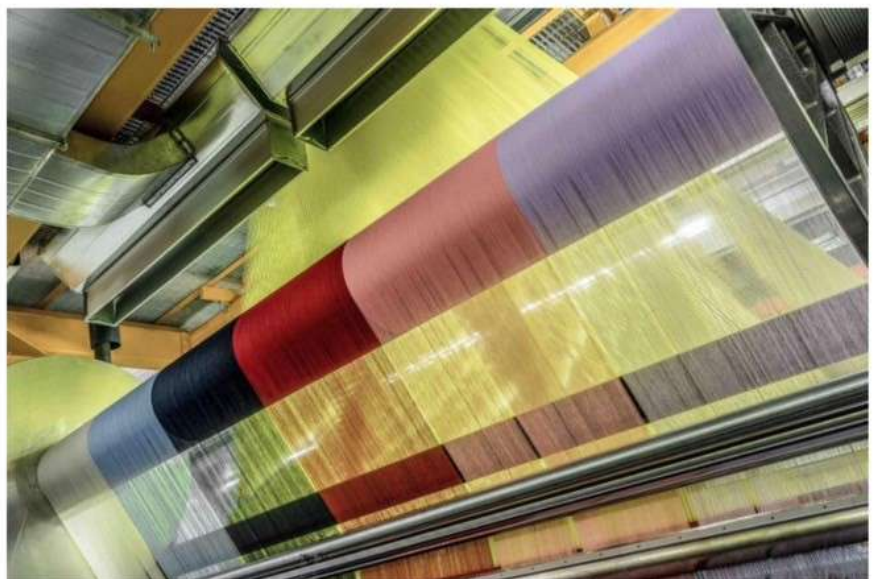


POWERGRIP™ GT4™ KEY ADVANTAGES

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POWERGRIP™ GT4™ ADVANTAGES OF NEW ELASTOMER + PERFORMANCE

- Delivers class-leading power capacity, giving you the option to use a narrower belt
- Enables application of belts in high and low temperature environments (fully operational in temperatures of -40°F to +248°F (-40°C to +120°C); Can be used to 284°F (140°) intermittently
- Environmentally Friendly — Made with non-chlorinated compounds
- Maintains performance in all but fully submerged grease and oil environments
 - Intermittent contact with grease and/or oil will not adversely affect performance



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POWERGRIP™ GT4™ KEY ADVANTAGES

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POWERGRIP™ GT4™ ADVANTAGES OF MATERIALS SCIENCE

We listened when our customers shared their challenges and needs, and developed a belt to address efficiency, noise, durability and ease of installation.

- **Next Generation EPDM Compound** — Allows for application of belts in high and low temperature environments
- **Utilizing All New Advanced Materials** — Gates designed a belt that handles narrower drives, along with increased chemical resistance and larger temperature range capability
- **Environmentally Friendly** — PowerGrip™ GT4™ belts use non-chlorinated compounds
- **More Choices** — PowerGrip™ GT4™ belts complement the existing Gates portfolio, providing optimized application-specific solutions for our customers



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POWERGRIP™ GT4™ KEY ADVANTAGES

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POWERGRIP™ GT4™ OTHER KEY ADVANTAGES

- **Improves Ergonomics** — Less weight reduces fatigue and strain during installation resulting in more productivity and fewer Lost Time Incidents
- **Enables Safer Employee Working Conditions** — With zero oil and less weight there's less risk for slipping and falling
- **PowerGrip™ GT4™ Requires ZERO Maintenance** — No lubrication and no re-tensioning, reducing maintenance costs
- **Rust free and safe for use in food handling spaces**
- **Less Maintenance** — Reduces grime build-up
- **Reduced environmental risk**
- **High tooth jump resistance**
- **Increased uptime**
- **Improved chemical resistance against alkalis, acids, UV and ozone**

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POWERGRIP™ GT4™ MAJOR INDUSTRIES

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POWERGRIP™ GT4™ MAJOR INDUSTRIES

- Construction + Mining
- Forestry + Agriculture
- Textile + Laundry
- Stationary Machinery + Tools
- Pulp + Paper
- Food Processing
- Packaging + Automation

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POWERGRIP™ GT4™ EQUIPMENT APPLICATIONS

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POWERGRIP™ GT4™ EQUIPMENT APPLICATIONS

- Heavy Duty Equipment
- Fans + Pumps
- Conveyor Systems
- Industrial Machines
- Compressors
- Centrifuges
- Horizontal + Vertical Positioning



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NOT ALL DRIVE SOLUTIONS ARE EQUAL

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WORKING WITH GATES CAN HELP YOU ACHIEVE...

- Elimination of Metal-on-Metal Chain Clatter
- Corrosion Resistance
- Reduced Maintenance
- Increased Durability
- Improved Efficiency
- Weight Reduction
- Higher Speeds
- Greater Power and Load
- Cleaner Drives
- Environmentally-Friendly (chloroprene-free) Belts
- Global Product Availability



GATES VALUE PROPOSITION

- Backed by 100 Years of Innovation
- Engineered to Outperform the Competition
- Industry-Leading Product Coverage
- Comprehensive Training Programs
- Dedicated Sales Force

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