



**LEADING-EDGE TECHNOLOGY / LEADING-EDGE PRODUCTS**  
**LEADING-EDGE DESIGN / LEADING-EDGE SUPPORT**



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AT THE CUTTING EDGE OF TECHNOLOGY ... WITH GATES

The Gates Corporation, with worldwide headquarters in Denver (USA), is a world-leading manufacturer of hi-tech rubber belts and hoses for industrial, hydraulic, agricultural and automotive applications. Gates not only supplies to all major car and machine manufacturers, but also to the aftermarket. Automotive manufacturing, transport, agriculture, mining, construction, office equipment, computer technology and food processing are the primary industries it serves. Gates is synonymous with high-quality products and services that solve problems and add value.

At Gates you do not buy a mere product, you get complete, high performance and customised drive design solutions.

When you choose Gates, you get more than the strongest, most advanced Power Transmission product line. Behind our leading industrial products is an entire company of professionals, armed with solutions. Gates offers the kind of support that leads to trust and value.



**P** PASSION FOR PRODUCTS

### Gates' premium products

The industrial application range of Gates' power transmission products extends from minimum drives on computer printers or other high-precision tools to industrial compressors and agricultural harvesters.

Gates offers the industrial market a complete range of high performance V-belts, synchronous belts, tensioners, pulleys, flexible couplings and complete drive systems.

Gates continuously invests in quality, research and development, enabling them at all times to assist OE manufacturers with whatever drive design challenge they may be confronted with. Industrial designers can rely on Gates' design engineers, who co-operate with the world's leading OE manufacturers to develop the most advanced drive systems. Gates' technical development and test centres complement those of the OEM customers.

#### Quad-Power II

Gates' most powerful raw edge, narrow-section V-belt

#### Poly Chain®

Polyurethane synchronous belt for low-speed, high-torque drives

#### PowerGrip® GT3

Synchronous belt for a wide variety of compact and high-speed drives

#### EuroGrip®

Flexible couplings

#### Polyflex® JB™

Polyurethane multiple V-belt for high power capacity in small spaces

#### PowerBand®

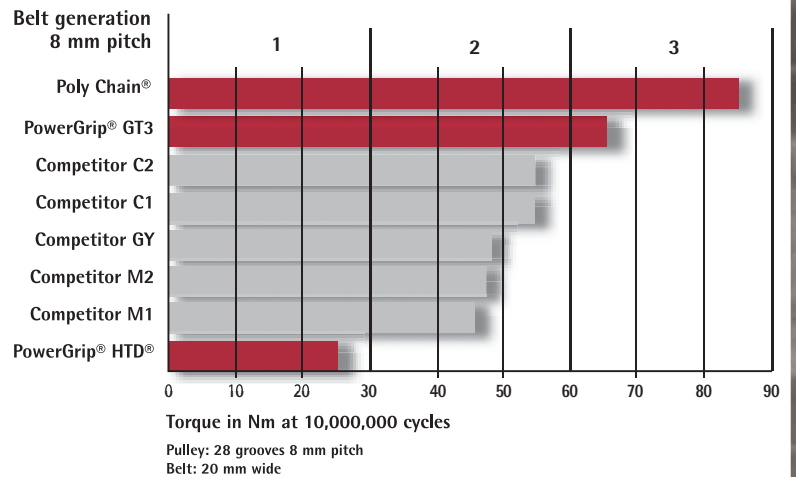
Multiple V-belt for drives subjected to pulsating loads





WHY INDUSTRIAL DESIGNERS PREFER GATES

Gates has a long history of creating new products and materials to meet both internal and customer driven goals. It is clear that in the modern environment there is more need for innovation in all areas than ever before. As a result of thorough research and innovative design procedures, new and more advanced products are constantly being developed outperforming competition. An outstanding example is Gates' latest development in rubber synchronous belts, PowerGrip® GT3.



These manufacturers chose the high-performance products and expert engineering support by Gates to equip their machines.

- **Vehicles and engines**

A special high-performance Poly Chain® 11 mm pitch belt is used on the BMW F 650 CS motorcycle model ensuring a low noise, smooth running synchronous drive, requiring no lubrication or retensioning.

For Peugeot M.T.C. Gates designed a variable speed belt to equip their scooter models. This special belt construction exhibits strong transverse rigidity, exceptional flex life and high shock and heat resistance.

- **Car accessories**

In partnership with Oechsler AG, manufacturer of gearboxes and car accessories, Gates developed the Electronic Parking Brake, the actuator of which is driven by a Gates 3 mm pitch synchronous belt.

- **Office and computer systems**

The new generation cash dispenser modules made by NCR incorporate several high precision drives. NCR decided to equip them with Gates PowerGrip® GT3 low modulus synchronous belts, which provide a positive drive with no slip.



- **Lift and handling equipment**

Otis, a pioneer in escalator technology and one of the largest manufacturers of elevators worldwide chose Gates Polyflex® and Poly Chain® belts to secure the drives on their NCE escalator model. Gates developed two special Poly Chain® synchronous belts to power the main drive on the escalator.


Schindler, also one of the largest producers of elevators has developed a new elevator concept to provide less maintenance and higher durability. The new system fits all the necessary maintenance equipment in the elevator shaft, thus eliminating the need for a machine room. For this innovative technology and design, Gates developed a Long Length belt with strong steel cords from EPDM materials.

- **Heavy-duty agricultural equipment**

Gates' belt drive systems power combines and harvesters designed by leading original equipment manufacturers like CLAAS, John Deere or Case New Holland.

Claas combines, for instance, are equipped with a special Gates PowerBand® multiple V-belt offering high resistance to shock loads, clutching and wear in combination with high flexibility.





Gates' design engineers closely cooperate with the world's leading industrial OE manufacturers to develop the most advanced drive systems in the most diverse market segments.

If you want to be and stay at the cutting edge of technology, you should team up with Gates. Gates not only offers a standard range of products but above all customised solutions and support. In consultation with our customers we design technically advanced drive systems tailored to their specific needs.

Rely on Gates for unmatched application and design support from beginning to end. A partnership with Gates will improve the performance of your machines and equipment and increase your reliability towards customers.

# G

## GATES: A TIMELINE OF ACHIEVEMENT

From what was once a small company, the Gates Corporation grew out to become the world's leading manufacturer of rubber belts and hoses. Gates' history goes back to 1911.



**1911**

Charles C. Gates establishes the Gates Leather Company

**1917**

John Gates invents the rubber V-belt

**1946**

Invention of the synchronous belt

**1963**

Gates establishes its first European facility in Belgium

**1986**

Gates acquires Uniroyal Power Transmission

New manufacturing plants in Balsareny, Spain and Dumfries, Scotland are opened

**1990**

Gates becomes part of Tomkins PLC in London  
Opening of new manufacturing plant in Nevers, France

**1996**

Gates acquires the TEXROPE® Belt & Hose Unit from Kléber Industrie in France

**1994**

Tomkins completes Schrader-Bridgeport acquisition  
Gates signs agreement with Nitta Corp. to create Gates Nitta Asia Pacific Company (GNAPCO)

**1998**

Tomkins PLC acquires Stant Corp.

**1997**

Tomkins PLC acquires ACD Tridon

**1999**

A new manufacturing plant in Legnica, Poland is opened

**2001**

Tomkins concludes the acquisition of Stackpole, Canada

**2003**

Gates acquires Mectrol Corporation's polyurethane power transmission and motion control belt business and forms a new company Gates Mectrol

**2004**







**GATES AND TOMKINS: GLOBAL SCALE, TRADITIONAL STRENGTHS**

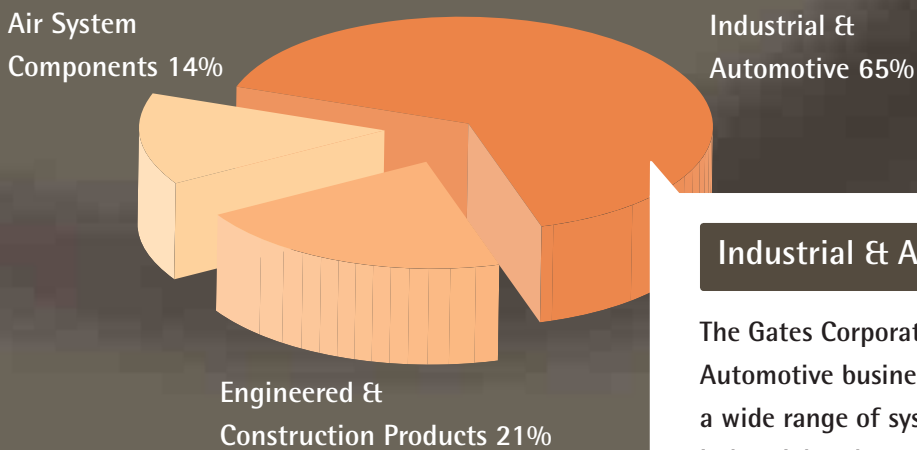


A **Tomkins** Company

In 1996, the Gates Corporation became part of the London-based industrial management company Tomkins PLC. Tomkins PLC is a world-class global engineering group with market and technical leadership across three specific business groups and employs over 40,000 people worldwide.



**Turnover by strategic business activity**



**Industrial & Automotive**

The Gates Corporation is part of the Industrial & Automotive business group. This group manufactures a wide range of systems and components for the industrial and automotive markets through four main businesses: Powertrain, Fluid Power, Fluid Systems and Wiper Systems.



GLOBAL PRESENCE, GLOBAL SERVICE

The Gates Corporation's worldwide headquarters are located in Denver, USA. With 43 plants, 27 distribution centres and approximately 12,000 employees all over the world, Gates is present in all continents.

### Gates Power Transmission Europe

Gates' European headquarters are located in Erembodegem, Belgium. The company's Industrial Power Transmission Division has a number of production and distribution centres as well as sales offices all over Europe.

- Aachen, Germany
- Balsareny, Spain
- Dumfries, Scotland
- Erembodegem, Belgium
- Legnica, Poland
- Langenfeld, Germany
- Louvres, France
- Milan, Italy
- Nevers, France



## Gates production facilities and distribution centres



Gates' products are manufactured in product dedicated plants, each of them specialised in specific power transmission products. Gates has production sites in France, Germany, Poland and Scotland, which all have warehousing facilities. Distribution centres for Gates Power Transmission Industrial Europe are located in Langenfeld (Germany) and Nevers (France). They are geared to ensure timely deliveries and ship to Gates customers across all of Europe, the Middle East and Africa.

## Ease of ordering with Gates



Gates offers its customers electronic and online ordering facilities, which makes ordering products easy and flexible. On the one hand customers can order via EDI, on the other hand via Gates-online.com.

EDI stands for Electronic Data Interchange, the transfer of data between different companies using a network.

Gates-online.com, Gates' powerful and fast online product ordering system, goes one step further. With Gates-online you can find your products, order and check your order status. You will enjoy more convenience in finding, ordering and tracking your Gates product purchases. It is intuitive and easy to use, convenience you will appreciate every day.





GATES' COMMITMENT TO QUALITY



Specialisation, research and quality control are the basis of Gates' success. Gates keeps investing in quality, research and development in order to meet its customers' current and future demands.

All Gates Power Transmission operations are ISO 9001 and ISO 14001 accredited. In addition to the international ISO 9000 and QS-9000 quality registration, Gates has also obtained certification for specific standards applicable to the automotive industry, such as VDA 6, EAQF and TS 16949. Furthermore, Gates facilities around the world have earned "Preferred Supplier" status and won numerous quality awards from their key customers.

As a worldwide belt supplier, Gates recognises its responsibilities towards both the local and global environment in which it carries out its business. It is Gates' aim to comply with relevant local, national and international legislation and codes of practice and to avoid any adverse impacts of its product and services on the environment. Thanks to this concern for the environment, several Gates operations have already obtained ISO 14001 certification; more will follow in the near future.

These significant registrations enable Gates to deliver better service to customers and ensure consistency of systems company-wide.

In short, they are evidence of the company's total commitment to quality.



## Operations

GATES S.A.S.  
111, rue Francis Garnier  
B.P. 37  
F - 58027 Nevers - Cedex  
TI : (33) 3 / 86 71 75 00  
Fx : (33) 3 / 86 36 62 47

GATES GMBH  
Eisenbahnweg 50  
D - 52068 Aachen  
TI : (49) 241 / 5108-0  
Fx : (49) 241 / 5108-297

GATES POLSKA SP. Z O.O.  
Ul. Jaworzyńska 301  
P - 59-220 Legnica  
TI : (48) 76 / 855 10 00  
Fx : (48) 76 / 855 10 01

GATES POWER TRANSMISSION LTD  
Tinwald Downs Road  
Heathhall - Dumfries  
DG1 1TS - UK  
TI : (44) 1387 / 24 20 00  
Fx : (44) 1387 / 24 20 10

## Sales offices

GATES EUROPE NV  
Dr. Carlierlaan 30  
B - 9320 Erembodegem  
TI : (32) 53 / 76 27 11  
Fx : (32) 53 / 76 27 13

GATES GMBH  
Haus Gravener Straße 191-193  
D - 40764 Langenfeld  
TI : (49) 2173 / 795-0  
Fx : (49) 2173 / 795-150

GATES FRANCE S.A.R.L.  
B.P. 37  
Zone Industrielle  
F - 95380 Louvres  
TI : (33) 1 / 34 47 41 41  
Fx : (33) 1 / 34 72 60 54

GATES S.R.L.  
Via Senigallia 18  
(Int. 2 - Blocco A - Edificio 1)  
I - 20161 Milano MI  
TI : (39) 02 / 662 16 21  
Fx : (39) 02 / 645 86 36

[www.gates.com/europe/pti](http://www.gates.com/europe/pti)  
[ptindustrial@gates.com](mailto:ptindustrial@gates.com)



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A **Tenneco** Company