



Concrete cost savings with Gates Power Transmission solutions

AGGREGATE INDUSTRY



Aggregate Industry, providing the cornerstones of industry and society

There are few industries that match the aggregate industry's influence on people's daily lives. The aggregate industry's output is transformed into the structures we live and work in and the roads that allow fast and safe travel.

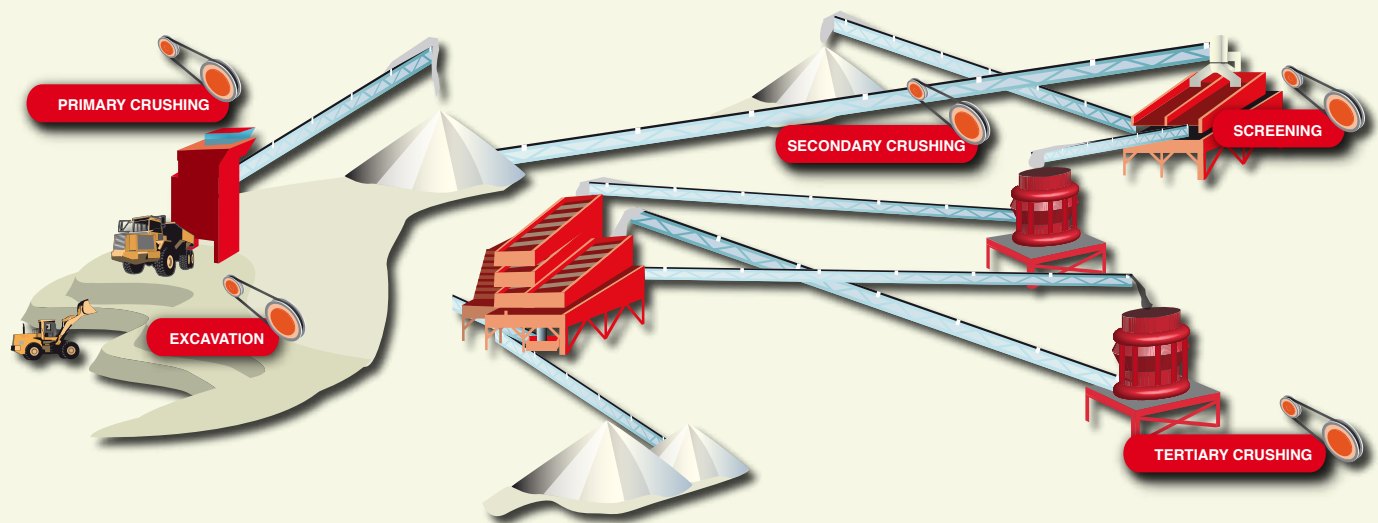
Downtime in aggregate production is not considered an option. Every single second of downtime is directly reflected in the aggregate producer's bottom line. Getting the production system up and running again increases the costs through time-consuming interventions of expensive maintenance staff. One of the major issues aggregate industry is facing today is how to curb these skyrocketing maintenance costs. Replacement parts are increasingly expensive, and maintenance staffers are hard to recruit or retain. As growing amounts are being spent on short-term solutions like emergency maintenance and belt replacement, a smart investment in products that go the long road becomes increasingly attractive. Gates will show you how to maximise your cost savings and your profit account, using a limited investment.

One way to prevent costly loss of tonnage production and reduce maintenance costs is the use of high-quality Gates drive systems. Gates drives can play an essential role in keeping your production running 24/7 and in saving you money.



Gates knows the issues you are faced with

Gates engineers and experts work with aggregate industry professionals across the world on a daily basis. Gates engineers have first-hand experience of the daily impact to your production lines of wet and dusty environments, shock loads, vibrations and extreme temperatures.



Need to eliminate belt failures and costly downtime

When these unforgiving conditions cause your aggregate crushers or shaker screen equipment to break down and halt operations, Gates engineers know that literally every minute of downtime costs you huge amounts in lost tonnage production. This experience has lead them to offer you a belt that easily withstands the challenging conditions that come with excavation, crushing and screening processes.

Gates Predator® V-belts guarantee stable tonnage output

The years of collaboration with industry specialists have lead Gates engineers to develop Predator®, the most robust V-belt ever designed. This V-belt does not even flinch when confronted with unforgiving circumstances like shock loads, debris and chemical spray. Predator® is ideal for use on your problem drive applications requiring high-impact strength and load-carrying power. Just what you need to keep your production system running 24/7.



Rock solid performance with Gates Predator® V-belts



Predator® brings endurance to your production systems

Gates Predator® V-belts have proven their reliability in a wide variety of aggregate production processes and applications, including shredders, grinders, crushers and shaker screens. Predator® offers a long, reliable and trouble-free service life with significantly reduced downtime and virtually no maintenance.

Predator® has a direct effect on your bottom line

Gates Predator® V-belts not only offer reliable operations, but also ensure cost-efficient power transmission increasing your productivity. Replacing standard V-belts with efficient Gates Predator® V-belts will have an immediate effect on the belt life cycle costs in your plant, which will in turn have direct consequences for your profit account.

Gates Predator® V-belts are excellent problem solvers that perform well in harsh environments and in extremely demanding applications where standard V-belts may have performance issues.





Predator®

- Extreme robustness
- High load carrying capability
- Unparalleled shock and stretch resistance
- Double fabric cover offering extraordinary abrasion and wear resistance
- Chloroprene rubber compounds providing superb oil and heat resistance
- Non-rubber cover provides momentary slippage without damaging the belt
- Available in singles (AP, BP, CP, SPBP, SPCP) and PowerBand® (SPBP, SPCP, 9JP, 15JP, 8VP)

Choose your ideal Gates belt range

As an aggregate professional, you can maximise your output by combining heavy-duty Predator® V-belts with other high-performance Gates belt ranges. Your Gates distributor will be happy to assist you in the selection process.



The Gates solution for	
unsurpassed shock load resistance	Predator®
long-term reliable performance	e.g. crushing
excellent chain drive alternative	Poly Chain® GT Carbon™
genuine energy saving	e.g. screening
long service life	Quad-Power® II
steady-running drive system	e.g. accessory drives
maximum efficiency drive system	PowerGrip® GT3
	e.g. accessory drives



Poly Chain® GT Carbon™

- Most powerful synchronous belt in the market
- Patented innovative design: high fatigue-resisting carbon tensile cords incorporated into the polyurethane belt compound



Quad-Power® II

- Raw edge, narrow section V-belt ensuring an excellent performance/cost ratio
- Maximum belt life reducing maintenance time



PowerGrip® GT3

- Top performing rubber synchronous belt
- Compact, light-weight and cost-effective drives



Your application, our solutions



A Tomkins Company

The Driving Force in Power Transmission

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Our experience in power transmission goes back to 1911. Since then we have developed a full line of industrial belt products and drive systems, which are known for their quality, reliability and innovative character and are built to meet or exceed international specifications. That is why we now have the right product for every industry and every application. Regarding environmental protection, governed by the Kyoto protocol, all our industrial sites have been awarded ISO 9001, ISO 14001 and OHSAS 18001.

Behind our leading industrial products is an entire company of professionals, armed with solutions. Whether driven by people, equipment or technology, Gates provides a wide range of services to optimise belt drive performance and deliver the best value to customers in return for their investment in Gates' products.

To maximise the service life of your drive systems, contact Gates and together we will find the best solution by

- identifying problem drive applications and developing a programme to increase their reliability
- evaluating current belt drive efficiencies using Gates DesignFlex® Pro™ and Cost Saving Calculation Tool
- determining ways to reduce maintenance costs
- recommending longer-lasting products that will enhance productivity and improve equipment reliability
- calculating energy savings gained by replacing problem drives with energy-efficient ones

Our service ensures our belts, including Predator®, deliver and keep delivering their full performance in your systems.

Your distributor:



A Tomkins Company



Every effort has been made to ensure the accuracy and comprehensiveness of the information given in this brochure. However, Gates cannot be held responsible if its products are used in special or exceptional circumstances without prior consultation with and clearance from a Gates representative.