



DRIVEN BY POSSIBILITY™

HIGH-PERFORMING POWER TRANSMISSION FOR MISSION CRITICAL SYSTEMS

The rapid growth of Artificial Intelligence (AI) and cloud-based services is driving unprecedented heat generation inside modern data centers. High-density racks and continuous processing place immense demands on air-handling systems to maintain stable, reliable operating conditions.

Beyond the data hall, data centers rely on a wide range of critical mechanical systems - including HVAC units, backup generators, revolving and security doors, and other automated infrastructure - to support daily operations and ensure uptime. These systems must operate continuously, often under harsh conditions, making dependable building automation essential.

Reliable power transmission components play a vital role in delivering consistent performance and protecting mission-critical operations. When cooling, HVAC, and building automation systems rely on underperforming components, heat and mechanical stress can build up - accelerating wear, increasing the risk of equipment failure, and exposing operations to costly downtime.

Backed by decades of power transmission innovation, Gates delivers high-performance solutions that can protect mission-critical systems and future-proof your data center operations.

THE GATES DIFFERENCE

- Experts in thermal management, materials science, and power transmission solutions in critical applications
- Full solutions portfolio that include industry-leading power transmission solutions for all your data center needs
- Products engineered to perform in demanding environments, ensuring long-term durability
- Expert support from our team of industry experts to help you find the right solutions for your application's exact requirements



GATES DATA CENTER POWER TRANSMISSION SOLUTIONS

QUAD-POWER™ 4 V-BELTS

Quad-Power 4 is our first maintenance-free v-belt delivering unmatched power density. Designed to fit into compact spaces, this v-belt is a drop-in replacement for most fans, pumps, and compressors, running at up to 98% total power efficiency.

Quad-Power 4 delivers up to 200% longer belt life compared to standard Gates v-belts. With this revolutionary belt, you're investing in a long-lasting solution that eliminates retensioning downtime and reduces replacement cycles, allowing your team to focus on the job without interruptions.

PRODUCT SPECIFICATIONS

- New ethylene elastomer (EE) rubber compound ensures long-lasting performance and wear-resistance
- Operating temperatures: -70°F to +250°F (-57°C to +121°C)
- Meets ARPM IP-3-2 standard to withstand temporary contact with oil
- Meets ARPM IP-3-3 and ISO 1813 static-conductivity standards
- Perfect fit in ARPM and ISO standard V-belt pulleys



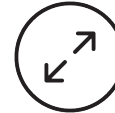
MAINTENANCE-FREE

Superior products remove the need to retension the belt drive after installation



STATIC-CONDUCTIVE

Prevents damage to equipment in sensitive environments



LENGTH-MATCHING

Superior belt tolerance allows multiple belts to be installed on the same drive



POLY CHAIN® SYNCHRONOUS BELTS

When your data center faces peak operational demands, Poly Chain synchronous belts handle the heaviest loads with ease. This industry-leading synchronous belt, which operates at 99% efficiency for the life of the drive, is ideal for demanding applications such as high-torque HVAC systems and large-scale coolant pumps.

The patented carbon fiber tensile cord provides increased horsepower rating for greater power density and compactness. Compared to roller chain, Poly Chain operates more quietly and requires zero lubrication, retensioning, or maintenance.

PRODUCT SPECIFICATIONS

- Maintenance-free: no lubrication or retensioning required
- Operating temperatures: -65°F to +185°F (-54°C to +85°C)
- High power density with a lightweight, clean-running construction
- Nylon tooth facing reduces friction and eliminates the need for lubrication
- Equivalent capacity to roller chain drives in the same width



DURABLE CONSTRUCTION

Polyurethane materials resist chemicals, oil, pollutants and abrasion



CARBON TENSILE CORD

Combines minimal stretch with strength and load-carrying capacity



GT TOOTH PROFILE

Provides high shear strength and improved load carrying capacity

