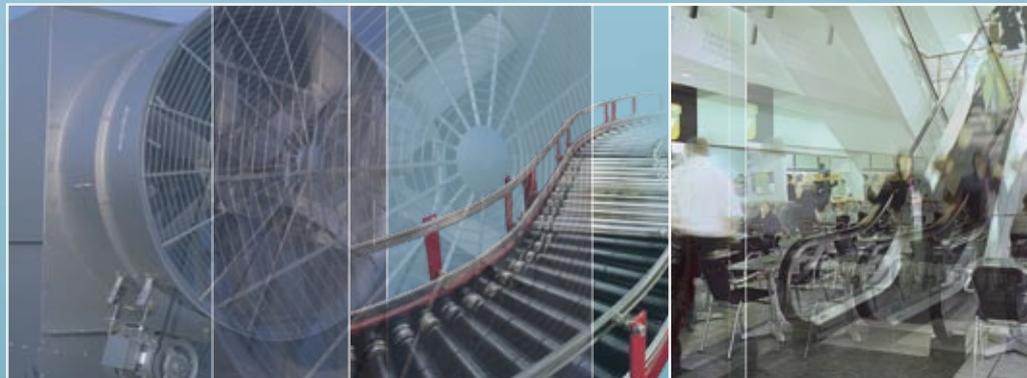


GATES INDUSTRIAL POWER TRANSMISSION

A comprehensive product range



Gates Industrial Power Transmission Products

High performance and comprehensive product range

Gates offers a comprehensive programme of V-belts, synchronous belts, tensioners, pulleys, flexible couplings and complete drive systems covering a multitude of applications.

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.



V-belts

Ever since John Gates invented the world's first rubber V-belt in 1917, Gates has been the leader in the design of power transmission systems for industrial applications and in the manufacture of technically advanced belt drive systems. All Gates' industrial V-belts feature superior performance through the use of state-of-the-art materials and manufacturing processes.

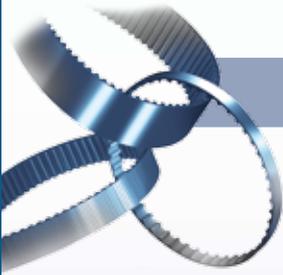
Gates' most recent addition to the range are Quad-Power® III belts. Gates leads the way in the development of cost and energy efficient belt drive systems and now brings you its new generation of Quad-Power® III notched raw edge narrow section V-belts. Gates Quad-Power® III belts deliver higher power ratings, increased trouble-free service life and reduced energy consumption. For detailed info, please see page 6.

Synchronous belts

In 1946 the first synchronous belt was developed, an invention Gates is also credited with. Over the years our range of synchronous belts has expanded to its present size and is perfectly suited for all types of industries and all types of applications. Each and every one of Gates' industrial synchronous belts ensures optimisation of your drive and cost and energy savings.

Poly Chain® GT Carbon™ is Gates' newest polyurethane synchronous belt with patented carbon tensile cord design also suited for high torque, low speed drives. The materials development engineers from Gates are the first to have incorporated a high fatigue-resisting carbon fibre tensile cord into the belt which is made of a new polyurethane compound. Consequently, Poly Chain® GT Carbon™ is the most powerful synchronous belt in the market. For detailed info, please see page 38.





CUSTOMIZED POLYURETHANE BELT PRODUCTS

Gates' standard Synchro-Power® product range covers a multitude of applications. If your process requires a belt design that meets very specific application needs, Gates also offers you a variety of customized polyurethane belt products. These polyurethane belt products, tailor-made to fulfil your most challenging requirements, meet the same quality levels as their standard counterparts. This makes them the perfect supplement to the Gates' standard Synchro-Power® product offering.

LINEAR BELTS (LONG LENGTH)

Linear belts provide the greatest degree of flexibility for synchronous conveying and linear positioning applications. They come in a vast variety of cord types, PU resins and coatings. This variety of material combinations ensures a wide range of possible configurations for your application. A special category is the self tracking belt. It has all the capabilities of a regular polyurethane belt but utilizes guides to eliminate any lateral movement. Linear belts can be supplied in open-end rolls or welded endless. Endless welded belts of virtually any length can be produced utilizing a thermal welding process which joins together the ends of the belts. Authorized fabricators throughout the whole of Europe have been appointed to stock and weld Gates polyurethane belts on customer demand. They deliver endless welded belts with the specifications required by the customer within a short delivery time.



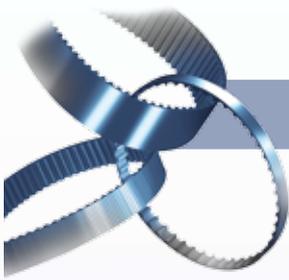
WIDE BELTS

Gates produces polyurethane belts in widths up to 450 mm. These belts are specifically designed for synchronous conveying applications. Wide belts are primarily used as process conveyor belts. Process or conversion steps usually occur on the belt.

FLEX BELTS

Flex belts are extruded to custom lengths ranging from approximately 1.5 to 24 m. They are made of high quality thermoplastic polyurethane and have helically wound cords that ensure high strength and truly endless power transmission capabilities.





POLYURETHANE BELT PRODUCTS

Specific characteristics

Additionally, Gates offers a wide range of belt modifications and a full range of secondary fabrication possibilities: all linear, wide and flex belts can come with special backings, profiles and machining on request. Equipment designers and system integrators rely on Gates' ability to solve the most challenging design issues.

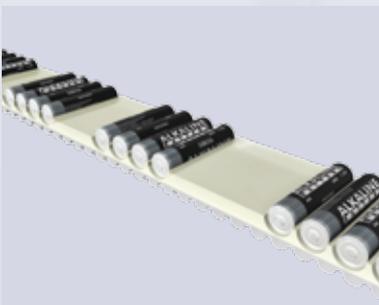


BACKINGS

Most belt types can be modified by adding a backing to achieve a desired coefficient of friction, abrasion resistance or cushion. Over 20 different backings are available to solve your toughest application requirements, from polyurethane over rubber to foam, PVC and 'specialty' backings.

PROFILES

Linear, wide and flex belts can be customized with welded-on profiles to meet your application's specific holding, pushing, lifting, or actuating requirements. These profiles are made in polyurethane and become an integral part of the belt through thermal bonding. They can be molded into almost any shape making profiled belts ideal for your assembly, packaging, inserting and other automation equipment requirements. Over 2000 profile designs are available from Gates' extensive mould inventory.



MACHINING

Gates offers you the combination of primary tooling and secondary machining to achieve any design potential. Whether grinding edges and surfaces to tight tolerances, punching and machining holes and slots or CNC machining of three dimensional contours, Gates can provide a complete and precise solution.