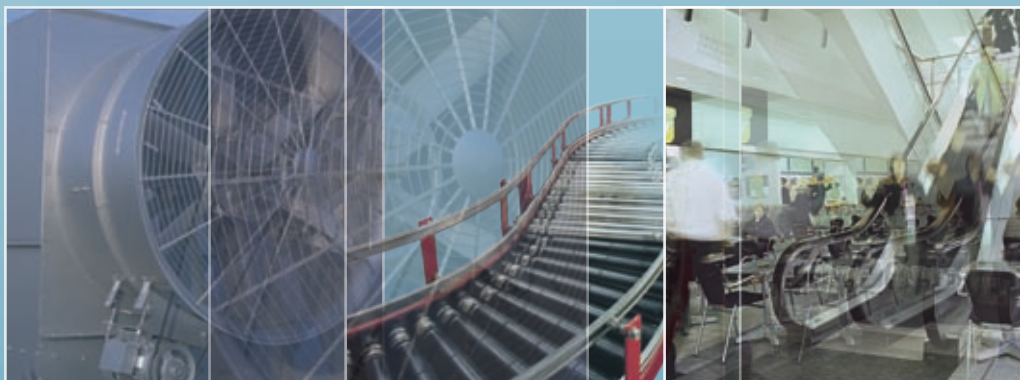


GATES INDUSTRIAL POWER TRANSMISSION

A comprehensive product range

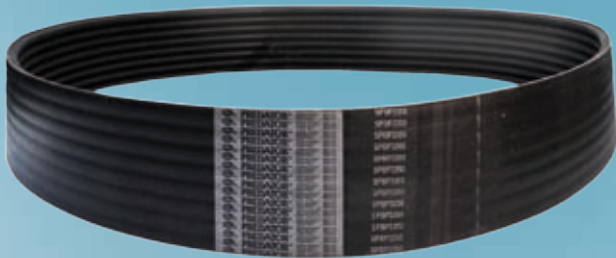


Gates Industrial Power Transmission Products

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 Predator® belts, the markets' leading V-belts. Unique in their extreme robustness and high load carrying capability they are unrivalled. Predator® belts are excellent problem solvers that perform well in harsh environments and in extremely demanding applications where standard V-belts have performance issues. For detailed info, please see page 21.

Synchronous belts

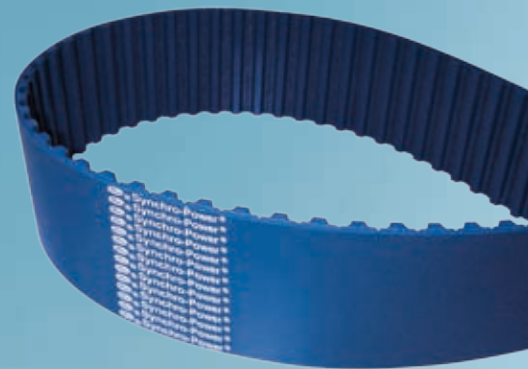
In 1946 the first synchronous belt was developed, an invention Gates is also credited with. Over the years our range of synchronous belts has expanded to its present size and is perfectly suited for all types of industries and all types of applications. Each and every one of Gates' industrial synchronous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



Polyurethane belts

Gates Synchro-Power® polyurethane belts are designed for long lasting and energy-efficient performance on both power transmission and linear applications. They are built in endless and open-end versions in various sizes, constructions and tooth designs handling a wide range of loads, speeds and applications. 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 which meet your most challenging requirements. For detailed info, please see page 62.



Flexible couplings

Since electronic speed controls are increasingly being used in the industry, Gates has responded to this requirement by developing a flexible coupling range covering standard motor sizes. For detailed info, please see page 68.

NOTE

Gates offers a full range of top quality belt products including **specialty belts** made on request to meet the most varied customer-specific requirements. Contact your Gates representative who is at your disposal to answer any questions relating to this subject.



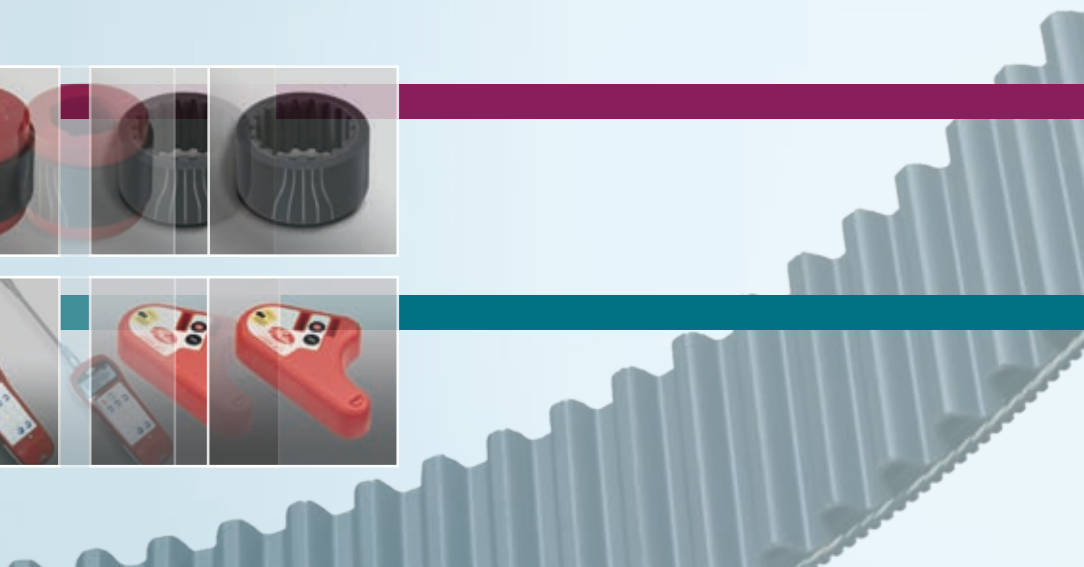
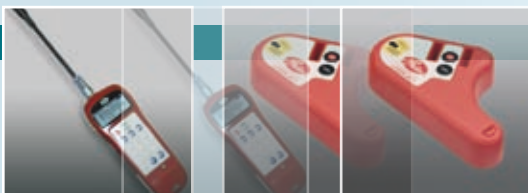
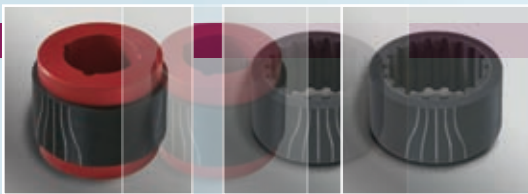


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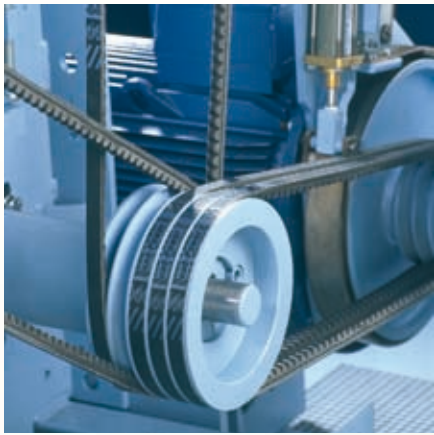


HEAVY-DUTY V-BELTS

QUAD-POWER® II

Raw edge, moulded notch, narrow section V-belt

Quad-Power® II is Gates' top of-the-range narrow section V-belt for heavy-duty industrial drives. It has been developed to replace traditional V-belts on applications where space and weight savings are critical: Quad-Power® II has a very high power capacity and can be used on small pulley diameters. Extensive testing has shown that Gates Quad-Power® II V-belt offers up to 15% higher power rating values than previous generations, ensuring the same service life. Improved resistance to outside bends allows the use of back idlers. The unique notch profile makes the belts run smoothly in the pulley grooves.



Identification

Durable blue marking indicating type and dimensions.

Construction

- Optimised notch profile reduces and evenly distributes thermal and bending stresses and increases energy efficiency. Notch depth is in proportion to the cross-section to ensure perfect stability.
- Precision-ground sidewalls give a uniform wedging action.
- Fibre-loaded elastomeric compound withstands heat, ozone and sunlight and provides better cord support.
- Flex-bonded polyester tensile cords are vulcanised as one solid unit, increasing the belt's resistance to tensile and flexing forces.
- Double Flex-Weave® textile backing protects the belt against wear - especially when back idlers are used.
- Cross-cords improve belt stability.
- Even with severe slippage, the belt will not catch fire from heat build-up.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

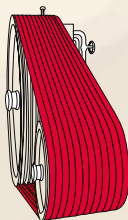
Advantages

- One of the most powerful belts in Gates' industrial V-belt range.
- Excellent performance/cost ratio.
- Increased transmission efficiency as compared to other V-belt types.
- Cost and space savings.
- Savings on pulley cost.
- Maximum belt life reducing maintenance time.
- Match system: all sizes meet Gates **UNISSET** tolerances, they can be installed without matching.

Sections and nominal dimensions



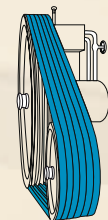
| | Width mm | Height mm |
|------------|-------------|--------------|
| XPZ | 10 | 8 |
| XPA | 13 | 10 |
| XPB | 16 | 13 |
| XPC | 22 | 18 |



Hi-Power®
12 x B46
pulley width: 234 mm
25000 hr belt life



Super HC®
8 x SPB1250
pulley width: 158 mm
25000 hr belt life



Quad-Power® II
6 x XPB1250
pulley width: 120 mm
25000 hr belt life



| XPZ | | | | XPA | | | | XPB | |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| Description | Datum length | Description | Datum length | Description | Datum length | Description | Datum length | Description | Datum length |
| ISO | mm ISO | ISO | mm ISO | ISO | mm ISO | ISO | mm ISO | ISO | mm ISO |
| XPZ630 | 630 | XPZ1512 | 1512 | XPA690 | 690 | XPA1900 | 1900 | XPB1250 | 1250 |
| XPZ637 | 637 | XPZ1520 | 1520 | XPA747 | 747 | XPA1950 | 1950 | XPB1260 | 1260 |
| XPZ662 | 662 | XPZ1537 | 1537 | XPA757 | 757 | XPA2000 | 2000 | XPB1320 | 1320 |
| XPZ670 | 670 | XPZ1550 | 1550 | XPA782 | 782 | XPA2060 | 2060 | XPB1340 | 1340 |
| XPZ687 | 687 | XPZ1587 | 1587 | XPA800 | 800 | XPA2120 | 2120 | XPB1400 | 1400 |
| XPZ710 | 710 | XPZ1600 | 1600 | XPA832 | 832 | XPA2240 | 2240 | XPB1410 | 1410 |
| XPZ722 | 722 | XPZ1650 | 1650 | XPA850 | 850 | XPA2360 | 2360 | XPB1450 | 1450 |
| XPZ730 | 730 | XPZ1687 | 1687 | XPA857 | 857 | XPA2430 | 2430 | XPB1500 | 1500 |
| XPZ737 | 737 | XPZ1700 | 1700 | XPA882 | 882 | XPA2500 | 2500 | XPB1510 | 1510 |
| XPZ750 | 750 | XPZ1750 | 1750 | XPA900 | 900 | XPA2650 | 2650 | XPB1550 | 1550 |
| XPZ760 | 760 | XPZ1800 | 1800 | XPA907 | 907 | XPA2800 | 2800 | XPB1590 | 1590 |
| XPZ762 | 762 | XPZ1850 | 1850 | XPA925 | 925 | XPA3000 | 3000 | XPB1600 | 1600 |
| XPZ772 | 772 | XPZ1900 | 1900 | XPA932 | 932 | XPA3150 | 3150 | XPB1650 | 1650 |
| XPZ787 | 787 | XPZ1950 | 1950 | XPA950 | 950 | XPA3350 | 3350 | XPB1690 | 1690 |
| XPZ800 | 800 | XPZ2000 | 2000 | XPA957 | 957 | XPA3550 | 3550 | XPB1700 | 1700 |
| XPZ812 | 812 | XPZ2030 | 2030 | XPA975 | 975 | XPA3750 | 3750 | XPB1750 | 1750 |
| XPZ837 | 837 | XPZ2120 | 2120 | XPA982 | 982 | XPA4000 | 4000 | XPB1800 | 1800 |
| XPZ850 | 850 | XPZ2160 | 2160 | XPA1000 | 1000 | | | XPB1850 | 1850 |
| XPZ862 | 862 | XPZ2240 | 2240 | XPA1007 | 1007 | | | XPB1900 | 1900 |
| XPZ875 | 875 | XPZ2280 | 2280 | XPA1030 | 1030 | | | XPB1950 | 1950 |
| XPZ887 | 887 | XPZ2360 | 2360 | XPA1060 | 1060 | | | XPB2000 | 2000 |
| XPZ900 | 900 | XPZ2410 | 2410 | XPA1082 | 1082 | | | XPB2020 | 2020 |
| XPZ912 | 912 | XPZ2500 | 2500 | XPA1090 | 1090 | | | XPB2120 | 2120 |
| XPZ925 | 925 | XPZ2540 | 2540 | XPA1107 | 1107 | | | XPB2150 | 2150 |
| XPZ937 | 937 | XPZ2650 | 2650 | XPA1120 | 1120 | | | XPB2240 | 2240 |
| XPZ950 | 950 | XPZ2690 | 2690 | XPA1140 | 1140 | | | XPB2280 | 2280 |
| XPZ962 | 962 | XPZ2800 | 2800 | XPA1150 | 1150 | | | XPB2360 | 2360 |
| XPZ975 | 975 | XPZ2840 | 2840 | XPA1157 | 1157 | | | XPB2410 | 2410 |
| XPZ980 | 980 | XPZ3000 | 3000 | XPA1180 | 1180 | | | XPB2500 | 2500 |
| XPZ987 | 987 | XPZ3150 | 3150 | XPA1207 | 1207 | | | XPB2530 | 2530 |
| XPZ1000 | 1000 | XPZ3350 | 3350 | XPA1215 | 1215 | | | XPB2650 | 2650 |
| XPZ1010 | 1010 | XPZ3550 | 3550 | XPA1232 | 1232 | | | XPB2680 | 2680 |
| XPZ1012 | 1012 | | | XPA1250 | 1250 | | | XPB2800 | 2800 |
| XPZ1030 | 1030 | | | XPA1257 | 1257 | | | XPB2840 | 2840 |
| XPZ1037 | 1037 | | | XPA1282 | 1282 | | | XPB2990 | 2990 |
| XPZ1060 | 1060 | | | XPA1285 | 1285 | | | XPB3000 | 3000 |
| XPZ1062 | 1062 | | | XPA1307 | 1307 | | | XPB3150 | 3150 |
| XPZ1077 | 1077 | | | XPA1320 | 1320 | | | XPB3350 | 3350 |
| XPZ1080 | 1080 | | | XPA1332 | 1332 | | | XPB3550 | 3550 |
| XPZ1087 | 1087 | | | XPA1357 | 1357 | | | XPB3750 | 3750 |
| XPZ1090 | 1090 | | | XPA1360 | 1360 | | | XPB4000 | 4000 |
| XPZ1112 | 1112 | | | XPA1367 | 1367 | | | XPB4250 | 4250 |
| XPZ1120 | 1120 | | | XPA1382 | 1382 | | | XPB4500 | 4500 |
| XPZ1137 | 1137 | | | XPA1400 | 1400 | | | XPB4750 | 4750 |
| XPZ1140 | 1140 | | | XPA1450 | 1450 | | | XPB5000 | 5000 |
| XPZ1150 | 1150 | | | XPA1457 | 1457 | | | | |
| XPZ1162 | 1162 | | | XPA1482 | 1482 | | | | |
| XPZ1180 | 1180 | | | XPA1500 | 1500 | | | | |
| XPZ1187 | 1187 | | | XPA1507 | 1507 | | | | |
| XPZ1200 | 1200 | | | XPA1532 | 1532 | | | | |
| XPZ1202 | 1202 | | | XPA1550 | 1550 | | | | |
| XPZ1212 | 1212 | | | XPA1582 | 1582 | | | | |
| XPZ1237 | 1237 | | | XPA1600 | 1600 | | | | |
| XPZ1250 | 1250 | | | XPA1650 | 1650 | | | | |
| XPZ1262 | 1262 | | | XPA1657 | 1657 | | | | |
| XPZ1270 | 1270 | | | XPA1680 | 1680 | | | | |
| XPZ1280 | 1280 | | | XPA1700 | 1700 | | | | |
| XPZ1285 | 1285 | | | XPA1750 | 1750 | | | | |
| XPZ1287 | 1287 | | | XPA1800 | 1800 | | | | |
| XPZ1312 | 1312 | | | XPA1850 | 1850 | | | | |
| XPZ1320 | 1320 | | | | | | | | |
| XPZ1337 | 1337 | | | | | | | | |
| XPZ1340 | 1340 | | | | | | | | |
| XPZ1362 | 1362 | | | | | | | | |
| XPZ1400 | 1400 | | | | | | | | |
| XPZ1412 | 1412 | | | | | | | | |
| XPZ1420 | 1420 | | | | | | | | |
| XPZ1450 | 1450 | | | | | | | | |
| XPZ1487 | 1487 | | | | | | | | |
| XPZ1500 | 1500 | | | | | | | | |

| XPC | |
|-------------|--------------|
| Description | Datum length |
| ISO | mm ISO |
| XPC2000 | 2000 |
| XPC2120 | 2120 |
| XPC2240 | 2240 |
| XPC2360 | 2360 |
| XPC2500 | 2500 |
| XPC2650 | 2650 |
| XPC2800 | 2800 |
| XPC3000 | 3000 |
| XPC3150 | 3150 |
| XPC3350 | 3350 |
| XPC3550 | 3550 |
| XPC3750 | 3750 |
| XPC4000 | 4000 |
| XPC4250 | 4250 |
| XPC4500 | 4500 |
| XPC4750 | 4750 |
| XPC5000 | 5000 |

Quad-Power® II ordering code is composed as follows:

XPZ630

XPZ - Section
630 - Datum length (mm)

Dimensions in bold are available from stock.



HEAVY-DUTY V-BELTS

SUPER HC[®] MN & SUPER HC[®]

Raw edge, moulded notch/Wrapped, narrow section V-belt

In addition to the Super HC[®] wrapped, narrow section V-belt, Gates markets the Super HC[®] Moulded Notch V-belt construction. Super HC[®] MN V-belts put more power where high speeds, high speed ratios or small pulley diameters are required, thus offering significant advantages over classical section V-belts. Developed through specialised research, Super HC[®] MN is highly recommended for use on all industrial heavy-duty, narrow section V-belt drives. The Super HC[®] MN increased transmission efficiency allows more compact and highly economical drive design. Super HC[®] MN belts are available up to 5000 mm ISO datum lengths.



Identification

Durable yellow marking indicating type and dimensions.

Construction

Super HC[®] MN

- Moulded notches reduce and evenly distribute thermal and bending stresses. The moulded notch pattern also reduces noise.
- Precision-ground straight sidewalls give a uniform wedging action and ensure the belt fits correctly in the pulley grooves.
- Back idlers can be used.
- Flex-bonded tensile cords are vulcanised as one solid unit making the belt highly resistant to tensile and flexing forces, fatigue and shock loads.
- Elastomeric compound protects the belt against heat, ozone and sunlight.
- Even with severe slippage, the belt will not catch fire from heat build-up.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Super HC[®]

- Arched top, concave sidewalls and rounded corners provide uniform tensile loading and uniform pulley sidewall contact for excellent belt service and reduced pulley wear.
- The Flex-Weave[®] oil and heat resistant cover protects the belt core from the toughest environments.
- The vulcanised Flex-bonded tensile cords provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Sections and nominal dimensions



| | Width mm | Height mm |
|-----------------|-------------|--------------|
| SPZ(-MN) | 10 | 8 |
| SPA(-MN) | 13 | 10 |
| SPB(-MN) | 16 | 13 |
| SPC(-MN) | 22 | 18 |

Advantages

- Excellent performance/cost ratio.
- More power in the same space or same power in 1/3 to 1/2 less space as compared to classical section V-belts.
- Cost and space savings by reducing size of pulleys, bearings, guards and mounts.
- Improved belt life reducing expensive maintenance time.
- Match system: all sizes meet Gates **UNISSET** tolerances, they can be installed without matching.



| SPB | | |
|-------------|-------------------|--------------|
| Description | | Datum length |
| MN | Wrapped Super HC® | mm ISO |
| SPB1250MN | SPB1250 | 1250 |
| SPB1260MN | | 1260 |
| SPB1320MN | SPB1320 | 1320 |
| SPB1340MN | | 1340 |
| | SPB1360 | 1360 |
| SPB1400MN | SPB1400 | 1400 |
| SPB1410MN | | 1410 |
| | SPB1450 | 1450 |
| SPB1500MN | SPB1500 | 1500 |
| SPB1510MN | | 1510 |
| | SPB1550 | 1550 |
| SPB1590MN | | 1590 |
| SPB1600MN | SPB1600 | 1600 |
| | SPB1650 | 1650 |
| SPB1690MN | | 1690 |
| SPB1700MN | SPB1700 | 1700 |
| SPB1750MN | SPB1750 | 1750 |
| | SPB1778 | 1778 |
| SPB1800MN | SPB1800 | 1800 |
| | SPB1850 | 1850 |
| | SPB1860 | 1860 |
| SPB1900MN | SPB1900 | 1900 |
| | SPB1930 | 1930 |
| | SPB1950 | 1950 |
| SPB2000MN | SPB2000 | 2000 |
| SPB2020MN | SPB2020 | 2020 |
| | SPB2060 | 2060 |
| | SPB2098 | 2098 |
| SPB2120MN | SPB2120 | 2120 |
| SPB2150MN | SPB2150 | 2150 |
| | SPB2180 | 2180 |
| | SPB2200 | 2200 |
| SPB2240MN | SPB2240 | 2240 |
| SPB2280MN | SPB2280 | 2280 |
| | SPB2300 | 2300 |
| SPB2360MN | SPB2360 | 2360 |
| | SPB2391 | 2391 |
| | SPB2400 | 2400 |
| SPB2410MN | | 2410 |
| SPB2500MN | SPB2500 | 2500 |
| SPB2530MN | | 2530 |
| | SPB2600 | 2600 |
| SPB2650MN | SPB2650 | 2650 |
| SPB2680MN | SPB2680 | 2680 |
| SPB2800MN | SPB2800 | 2800 |
| SPB2840MN | SPB2840 | 2840 |
| | SPB2850 | 2850 |
| | SPB2900 | 2900 |
| SPB2990MN | | 2990 |
| SPB3000MN | SPB3000 | 3000 |
| SPB3150MN | SPB3150 | 3150 |
| | SPB3250 | 3250 |
| | SPB3320 | 3320 |
| SPB3350MN | SPB3350 | 3350 |
| | SPB3450 | 3450 |
| SPB3550MN | SPB3550 | 3550 |
| | SPB3650 | 3650 |
| SPB3750MN | SPB3750 | 3750 |
| | SPB3800 | 3800 |
| | SPB3870 | 3870 |
| SPB4000MN | SPB4000 | 4000 |
| | SPB4120 | 4120 |
| SPB4250MN | SPB4250 | 4250 |
| SPB4500MN | SPB4500 | 4500 |
| SPB4750MN | SPB4750 | 4750 |
| | SPB4820 | 4820 |
| | SPB4870 | 4870 |
| | SPB5000 | 5000 |
| | SPB5300 | 5300 |
| | SPB5600 | 5600 |
| | SPB6000 | 6000 |
| | SPB6300 | 6300 |
| | SPB6700 | 6700 |
| | SPB7100 | 7100 |
| | SPB7500 | 7500 |
| | SPB8000 | 8000 |

| SPC | | |
|-------------|-------------------|--------------|
| Description | | Datum length |
| MN | Wrapped Super HC® | mm ISO |
| SPC2000MN | SPC2000 | 2000 |
| SPC2120MN | SPC2120 | 2120 |
| SPC2240MN | SPC2240 | 2240 |
| SPC2360MN | SPC2360 | 2360 |
| SPC2500MN | SPC2500 | 2500 |
| | SPC2550 | 2550 |
| SPC2650MN | SPC2650 | 2650 |
| SPC2800MN | SPC2800 | 2800 |
| SPC3000MN | SPC3000 | 3000 |
| SPC3150MN | SPC3150 | 3150 |
| SPC3350MN | SPC3350 | 3350 |
| SPC3550MN | SPC3550 | 3550 |
| SPC3750MN | SPC3750 | 3750 |
| SPC4000MN | SPC4000 | 4000 |
| | SPC4100 | 4100 |
| SPC4250MN | SPC4250 | 4250 |
| SPC4500MN | SPC4500 | 4500 |
| SPC4750MN | SPC4750 | 4750 |
| | SPC5000 | 5000 |
| | SPC5300 | 5300 |
| | SPC5600 | 5600 |
| | SPC5800 | 5800 |
| | SPC6000 | 6000 |
| | SPC6300 | 6300 |
| | SPC6500 | 6500 |
| | SPC6700 | 6700 |
| | SPC7100 | 7100 |
| | SPC7500 | 7500 |
| | SPC8000 | 8000 |
| | SPC8500 | 8500 |
| | SPC9000 | 9000 |
| | SPC9500 | 9500 |
| | SPC10000 | 10000 |
| | SPC10600 | 10600 |
| | SPC11200 | 11200 |
| | SPC11800 | 11800 |
| | SPC12000 | 12000 |
| | SPC12500 | 12500 |
| | SPC13500 | 13500 |
| | SPC13800 | 13800 |
| | SPC14200 | 14200 |
| | SPC15000 | 15000 |
| | SPC16500 | 16500 |

Super HC® (MN) ordering code is composed as follows:

SPZ560(MN)

- SPZ** - Section
- 560** - Datum length (mm)
- (MN)** - Moulded notch

Dimensions in bold are available from stock.

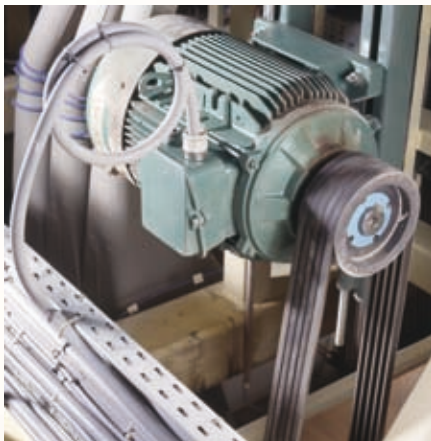


HEAVY-DUTY V-BELTS

HI-POWER®

Wrapped, classical section V-belt

The wrapped classical section Hi-Power® V-belt has a long reputation for reliability on agricultural and industrial applications. The arched top of the Hi-Power® belt provides superior strength to prevent “dishing” and distortion of the tensile section. The cords are properly aligned, each of them carrying its full share of the load.



Identification

Durable red marking indicating type and dimensions.

Construction

- Arched top, concave sidewalls and rounded corners provide uniform tensile loading and uniform pulley sidewall contact for excellent belt service life and reduced pulley wear.
- The Flex Weave® oil and heat resistant cover protects the belt core from the toughest environments.
- The vulcanised Flex-bonded tensile cords provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- High-quality rubber compound protects the belt against heat, ozone and sunlight.
- The belt will not catch fire from heat build-up, even with severe slippage.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Advantages

- Excellent performance/cost ratio.
- Reliability and efficiency.
- Long belt life reducing replacement and maintenance costs.
- Match system: all sizes meet Gates **UNISSET** tolerances, they can be installed without matching.

Sections and nominal dimensions



| | Width mm | Height mm |
|----------|-------------|--------------|
| Z | 10 | 6 |
| A | 13 | 8 |
| B | 17 | 11 |
| C | 22 | 14 |
| D | 32 | 19 |



Hi-Power® Dubl-V

Wrapped, classical section, double V-belt

Gates' Hi-Power® Dubl-V belt is characterised by a double-V profile. It uses flex-bonded tensile cords, which are highly resistant to flexing forces, and a protective Flex-Weave® cover.

It is the ideal solution for "serpentine" drives (drives with counterrotating shafts) where power is transmitted from both the top and the bottom of the belts.

Sections and nominal dimensions



| | Width mm | Height mm |
|----|-------------|--------------|
| AA | 13 | 8 |
| BB | 17 | 11 |
| CC | 22 | 14 |
| DD | 32 | 19 |

| AA | | |
|-------------|------------------|--------------|
| Description | Effective length | Datum length |
| | mm RMA | mm ISO |
| AA51 | 1350 | 1330 |
| AA55 | 1450 | 1435 |
| AA60 | 1575 | 1560 |
| AA64 | 1678 | 1663 |
| AA68 | 1780 | 1765 |
| AA75 | 1960 | 1940 |
| AA80 | 2085 | 2070 |
| AA85 | 2210 | 2195 |
| AA86 | 2237 | 2222 |
| AA88 | 2288 | 2273 |
| AA90 | 2340 | 2325 |
| AA92 | 2390 | 2375 |
| AA96 | 2490 | 2475 |
| AA105 | 2720 | 2705 |
| AA112 | 2900 | 2880 |
| AA120 | 3100 | 3085 |
| AA128 | 3305 | 3290 |

| BB | | |
|-------------|------------------|--------------|
| Description | Effective length | Datum length |
| | mm RMA | mm ISO |
| BB35 | 965 | 940 |
| BB38 | 1040 | 1015 |
| BB42 | 1140 | 1120 |
| BB43 | 1165 | 1145 |
| BB45 | 1215 | 1195 |
| BB46 | 1240 | 1220 |
| BB51 | 1370 | 1345 |
| BB53 | 1420 | 1395 |
| BB55 | 1470 | 1450 |
| BB60 | 1600 | 1575 |
| BB66 | 1750 | 1730 |
| BB68 | 1800 | 1780 |
| BB71 | 1880 | 1855 |
| BB73 | 1925 | 1905 |
| BB74 | 1955 | 1930 |
| BB75 | 1980 | 1955 |
| BB81 | 2130 | 2110 |
| BB83 | 2185 | 2160 |
| BB85 | 2235 | 2210 |
| BB90 | 2360 | 2335 |
| BB92 | 2410 | 2390 |
| BB93 | 2435 | 2415 |
| BB94 | 2460 | 2440 |
| BB95 | 2485 | 2465 |
| BB96 | 2510 | 2490 |
| BB97 | 2535 | 2515 |
| BB100 | 2615 | 2595 |
| BB105 | 2740 | 2720 |
| BB107 | 2790 | 2770 |
| BB108 | 2815 | 2795 |
| BB111 | 2895 | 2870 |
| BB112 | 2920 | 2895 |
| BB116 | 3020 | 3000 |
| BB118 | 3070 | 3050 |
| BB120 | 3120 | 3100 |
| BB122 | 3170 | 3150 |
| BB123 | 3195 | 3175 |
| BB124 | 3220 | 3200 |
| BB127 | 3300 | 3275 |
| BB128 | 3325 | 3300 |
| BB129 | 3350 | 3325 |
| BB130 | 3375 | 3350 |
| BB136 | 3528 | 3505 |
| BB140 | 3629 | 3610 |
| BB144 | 3730 | 3710 |
| BB155 | 4010 | 3990 |
| BB158 | 4085 | 4065 |
| BB168 | 4340 | 4320 |
| BB169 | 4365 | 4345 |
| BB173 | 4470 | 4445 |
| BB180 | 4645 | 4625 |
| BB190 | 4900 | 4880 |
| BB195 | 5025 | 5005 |
| BB210 | 5410 | 5385 |
| BB226 | 5814 | 5755 |
| BB228 | 5864 | 5805 |
| BB230 | 5915 | 5855 |
| BB240 | 6130 | 6110 |
| BB270 | 6895 | 6870 |
| BB277 | 7070 | 7050 |
| BB300 | 7655 | 7635 |

| CC | | |
|-------------|------------------|--------------|
| Description | Effective length | Datum length |
| | mm RMA | mm ISO |
| CC75 | 2010 | 1980 |
| CC81 | 2165 | 2130 |
| CC85 | 2265 | 2230 |
| CC90 | 2395 | 2360 |
| CC96 | 2545 | 2510 |
| CC105 | 2775 | 2740 |
| CC112 | 2950 | 2920 |
| CC120 | 3155 | 3120 |
| CC128 | 3360 | 3325 |
| CC136 | 3560 | 3525 |
| CC144 | 3765 | 3730 |
| CC158 | 4120 | 4085 |
| CC162 | 4220 | 4190 |
| CC173 | 4500 | 4465 |
| CC180 | 4680 | 4645 |
| CC195 | 5060 | 5025 |
| CC210 | 5440 | 5405 |
| CC240 | 6150 | 6120 |
| CC250 | 6382 | 6350 |
| CC270 | 6915 | 6880 |
| CC300 | 7675 | 7640 |
| CC330 | 8440 | 8405 |
| CC360 | 9200 | 9165 |
| CC390 | 9960 | 9930 |
| CC420 | 10725 | 10690 |

| DD | | |
|-------------|------------------|--------------|
| Description | Effective length | Datum length |
| | mm RMA | mm ISO |
| DD210 | 5465 | 5415 |
| DD270 | 6925 | 6875 |
| DD300 | 7690 | 7635 |
| DD360 | 9215 | 9160 |

Hi-Power® Dubl-V ordering code is composed as follows:

AA51

AA - Section (double)
51 - Length in inch (RMA)

All dimensions are available on request.

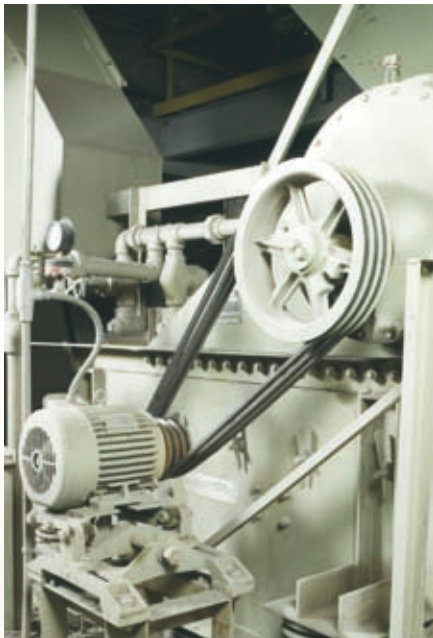


SERVICE LINE BELTS

VULCOPOWER™

Wrapped, classical section V-belt

Gates VulcoPower™ V-belts are built for a reliable and durable performance on heavy-duty industrial drives. They offer a combination of advantages only available in Gates quality belts – all at an attractive price.



Identification

Durable white marking indicating type and dimensions.

Construction

- Belt compound converts forces on the sidewalls into longitudinal forces in the tensile member.
- Textile cover provides grip and protects against abrasion.
- Polyester tensile member withstands occasional or recurrent shockloads.
- Excellent resistance to oil, heat, ozone, sunlight, weather and ageing.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Advantages

- Excellent performance/cost ratio.
- Manufactured by Gates according to the highest quality standards.
- Suited for a wide range of light- to medium-duty power transmission applications and motion transfer.
- Available in all popular lengths and sections
- Match system: all sizes meet Gates **UNISET** tolerances, they can be installed without matching.

Sections and nominal dimensions



| | Width mm | Height mm |
|----------|-------------|--------------|
| Z | 10 | 6 |
| A | 13 | 8 |
| B | 17 | 11 |
| C | 22 | 14 |



| Z | | |
|-------------|---------------|--------------|
| Description | Inside length | Datum length |
| | mm | mm |
| Z16VULCO | 413 | 435 |
| Z17.5VULCO | 438 | 460 |
| Z18.5VULCO | 478 | 500 |
| Z19.5VULCO | 493 | 515 |
| Z20.5VULCO | 518 | 540 |
| Z22.5VULCO | 568 | 590 |
| Z24VULCO | 613 | 635 |
| Z25VULCO | 628 | 650 |
| Z25.5VULCO | 653 | 675 |
| Z26.5VULCO | 668 | 690 |
| Z28VULCO | 703 | 725 |
| Z29VULCO | 733 | 755 |
| Z30VULCO | 768 | 790 |
| Z31VULCO | 788 | 810 |
| Z32.5VULCO | 828 | 850 |
| Z33.5VULCO | 853 | 875 |
| Z34.5VULCO | 878 | 900 |
| Z36VULCO | 913 | 935 |
| Z37.5VULCO | 948 | 970 |
| Z38.5VULCO | 978 | 1000 |
| Z39.5VULCO | 998 | 1020 |
| Z41.5VULCO | 1048 | 1070 |
| Z44VULCO | 1130 | 1152 |
| Z45VULCO | 1143 | 1165 |
| Z46VULCO | 1178 | 1200 |
| Z47VULCO | 1198 | 1220 |
| Z48VULCO | 1223 | 1245 |
| Z49VULCO | 1243 | 1265 |
| Z50VULCO | 1273 | 1295 |
| Z51VULCO | 1305 | 1327 |
| Z52VULCO | 1323 | 1345 |
| Z53VULCO | 1340 | 1362 |
| Z54VULCO | 1373 | 1395 |
| Z55VULCO | 1398 | 1420 |
| Z57VULCO | 1448 | 1470 |
| Z59VULCO | 1498 | 1520 |
| Z60VULCO | 1523 | 1545 |
| Z61VULCO | 1553 | 1575 |
| Z63VULCO | 1603 | 1625 |
| Z65VULCO | 1653 | 1675 |
| Z66VULCO | 1678 | 1700 |
| Z67VULCO | 1703 | 1725 |
| Z69VULCO | 1753 | 1775 |
| Z71VULCO | 1803 | 1825 |

| A | | | | | |
|-------------|---------------|--------------|-------------|---------------|--------------|
| Description | Inside length | Datum length | Description | Inside length | Datum length |
| | mm | mm | | mm | mm |
| A18VULCO | 460 | 490 | A86VULCO | 2190 | 2220 |
| A19VULCO | 475 | 505 | A87VULCO | 2215 | 2245 |
| A20VULCO | 525 | 555 | A88VULCO | 2240 | 2270 |
| A21VULCO | 540 | 570 | A89VULCO | 2265 | 2295 |
| A22VULCO | 565 | 595 | A90VULCO | 2290 | 2320 |
| A23VULCO | 590 | 620 | A91VULCO | 2315 | 2345 |
| A24VULCO | 610 | 640 | A92VULCO | 2340 | 2370 |
| A25VULCO | 633 | 663 | A93VULCO | 2365 | 2395 |
| A26VULCO | 670 | 700 | A94VULCO | 2390 | 2420 |
| A27.5VULCO | 700 | 730 | A95VULCO | 2415 | 2445 |
| A28.5VULCO | 715 | 745 | A96VULCO | 2445 | 2475 |
| A29.5VULCO | 750 | 780 | A97VULCO | 2465 | 2495 |
| A30VULCO | 770 | 800 | A98VULCO | 2500 | 2530 |
| A31VULCO | 795 | 825 | A100VULCO | 2540 | 2570 |
| A32VULCO | 805 | 835 | A102VULCO | 2590 | 2620 |
| A32.5VULCO | 825 | 855 | A104VULCO | 2650 | 2680 |
| A33VULCO | 845 | 875 | A105VULCO | 2680 | 2710 |
| A34VULCO | 870 | 900 | A107VULCO | 2720 | 2750 |
| A35VULCO | 890 | 920 | A108VULCO | 2745 | 2775 |
| A36VULCO | 915 | 945 | A110VULCO | 2800 | 2830 |
| A37VULCO | 945 | 975 | A112VULCO | 2855 | 2885 |
| A38VULCO | 962 | 992 | A115VULCO | 2920 | 2950 |
| A39VULCO | 980 | 1010 | A116VULCO | 2950 | 2980 |
| A40VULCO | 1015 | 1045 | A118VULCO | 3000 | 3030 |
| A41VULCO | 1040 | 1070 | A120VULCO | 3055 | 3085 |
| A42VULCO | 1065 | 1095 | A124VULCO | 3150 | 3180 |
| A43VULCO | 1090 | 1120 | A128VULCO | 3255 | 3285 |
| A44VULCO | 1115 | 1145 | A130VULCO | 3305 | 3335 |
| A45VULCO | 1145 | 1175 | A132VULCO | 3350 | 3380 |
| A46VULCO | 1175 | 1205 | A136VULCO | 3455 | 3485 |
| A47VULCO | 1190 | 1220 | A140VULCO | 3555 | 3585 |
| A48VULCO | 1225 | 1255 | A144VULCO | 3660 | 3690 |
| A49VULCO | 1248 | 1278 | A148VULCO | 3750 | 3780 |
| A50VULCO | 1265 | 1295 | A158VULCO | 4015 | 4045 |
| A51VULCO | 1300 | 1330 | A167VULCO | 4245 | 4275 |
| A52VULCO | 1325 | 1355 | A187VULCO | 4750 | 4780 |
| A53VULCO | 1355 | 1385 | A197VULCO | 5000 | 5030 |
| A54VULCO | 1370 | 1400 | | | |
| A55VULCO | 1410 | 1440 | | | |
| A56VULCO | 1425 | 1455 | | | |
| A57VULCO | 1455 | 1485 | | | |
| A58VULCO | 1475 | 1505 | | | |
| A59VULCO | 1495 | 1525 | | | |
| A60VULCO | 1530 | 1560 | | | |
| A61VULCO | 1550 | 1580 | | | |
| A62VULCO | 1580 | 1610 | | | |
| A63VULCO | 1615 | 1645 | | | |
| A64VULCO | 1625 | 1655 | | | |
| A65VULCO | 1660 | 1690 | | | |
| A66VULCO | 1676 | 1706 | | | |
| A67VULCO | 1700 | 1730 | | | |
| A68VULCO | 1725 | 1755 | | | |
| A69VULCO | 1750 | 1780 | | | |
| A70VULCO | 1780 | 1810 | | | |
| A71VULCO | 1805 | 1835 | | | |
| A72VULCO | 1830 | 1860 | | | |
| A73VULCO | 1855 | 1885 | | | |
| A74VULCO | 1885 | 1915 | | | |
| A75VULCO | 1910 | 1940 | | | |
| A76VULCO | 1930 | 1960 | | | |
| A77VULCO | 1960 | 1990 | | | |
| A78VULCO | 1980 | 2010 | | | |
| A79VULCO | 2010 | 2040 | | | |
| A80VULCO | 2035 | 2065 | | | |
| A81VULCO | 2060 | 2090 | | | |
| A82VULCO | 2085 | 2115 | | | |
| A83VULCO | 2110 | 2140 | | | |
| A84VULCO | 2135 | 2165 | | | |
| A85VULCO | 2170 | 2200 | | | |



| B | | | C | | |
|-------------|---------------|--------------|-------------|---------------|--------------|
| Description | Inside length | Datum length | Description | Inside length | Datum length |
| | mm | mm | | mm | mm |
| B26VULCO | 650 | 690 | B96VULCO | 2445 | 2485 |
| B27VULCO | 690 | 730 | B97VULCO | 2470 | 2510 |
| B28VULCO | 710 | 750 | B98VULCO | 2495 | 2535 |
| B29VULCO | 730 | 770 | B99VULCO | 2520 | 2560 |
| B30VULCO | 750 | 790 | B100VULCO | 2545 | 2585 |
| B31VULCO | 795 | 835 | B101VULCO | 2570 | 2610 |
| B32VULCO | 820 | 860 | B102VULCO | 2595 | 2635 |
| B33VULCO | 860 | 900 | B103VULCO | 2615 | 2655 |
| B35VULCO | 890 | 930 | B104VULCO | 2645 | 2685 |
| B36VULCO | 930 | 970 | B105VULCO | 2675 | 2715 |
| B37VULCO | 950 | 990 | B106VULCO | 2700 | 2740 |
| B38VULCO | 970 | 1010 | B108VULCO | 2750 | 2790 |
| B39VULCO | 1000 | 1040 | B110VULCO | 2800 | 2840 |
| B40VULCO | 1025 | 1065 | B112VULCO | 2850 | 2890 |
| B41VULCO | 1045 | 1085 | B114VULCO | 2900 | 2940 |
| B42VULCO | 1070 | 1110 | B115VULCO | 2925 | 2965 |
| B43VULCO | 1105 | 1145 | B116VULCO | 2950 | 2990 |
| B44VULCO | 1110 | 1150 | B118VULCO | 3000 | 3040 |
| B45VULCO | 1145 | 1185 | B120VULCO | 3055 | 3095 |
| B46VULCO | 1170 | 1210 | B124VULCO | 3150 | 3190 |
| B47VULCO | 1195 | 1235 | B126VULCO | 3210 | 3250 |
| B48VULCO | 1225 | 1265 | B128VULCO | 3260 | 3300 |
| B49VULCO | 1250 | 1290 | B130VULCO | 3310 | 3350 |
| B50VULCO | 1278 | 1318 | B132VULCO | 3355 | 3395 |
| B51VULCO | 1300 | 1340 | B134VULCO | 3410 | 3450 |
| B52VULCO | 1325 | 1365 | B136VULCO | 3460 | 3500 |
| B53VULCO | 1350 | 1390 | B140VULCO | 3560 | 3600 |
| B54VULCO | 1380 | 1420 | B144VULCO | 3665 | 3705 |
| B55VULCO | 1410 | 1450 | B147VULCO | 3740 | 3780 |
| B56VULCO | 1440 | 1480 | B148VULCO | 3760 | 3800 |
| B57VULCO | 1460 | 1500 | B152VULCO | 3865 | 3905 |
| B58VULCO | 1480 | 1520 | B154VULCO | 3915 | 3955 |
| B59VULCO | 1510 | 1550 | B158VULCO | 4020 | 4060 |
| B60VULCO | 1525 | 1565 | B162VULCO | 4120 | 4160 |
| B61VULCO | 1555 | 1595 | B167VULCO | 4255 | 4295 |
| B62VULCO | 1575 | 1615 | B173VULCO | 4400 | 4440 |
| B63VULCO | 1595 | 1635 | B175VULCO | 4450 | 4490 |
| B64VULCO | 1630 | 1670 | B180VULCO | 4580 | 4620 |
| B65VULCO | 1650 | 1690 | B187VULCO | 4755 | 4795 |
| B66VULCO | 1695 | 1735 | B192VULCO | 4880 | 4920 |
| B67VULCO | 1715 | 1755 | B195VULCO | 4960 | 5000 |
| B68VULCO | 1730 | 1770 | B210VULCO | 5340 | 5380 |
| B69VULCO | 1755 | 1795 | B240VULCO | 6090 | 6130 |
| B70VULCO | 1780 | 1820 | B248VULCO | 6300 | 6340 |
| B71VULCO | 1810 | 1850 | B270VULCO | 6825 | 6865 |
| B72VULCO | 1835 | 1875 | B280VULCO | 7100 | 7140 |
| B73VULCO | 1855 | 1895 | | | |
| B74VULCO | 1885 | 1925 | | | |
| B75VULCO | 1905 | 1945 | | | |
| B76VULCO | 1935 | 1975 | | | |
| B77VULCO | 1960 | 2000 | | | |
| B78VULCO | 2000 | 2040 | | | |
| B80VULCO | 2030 | 2070 | | | |
| B81VULCO | 2060 | 2100 | | | |
| B82VULCO | 2090 | 2130 | | | |
| B83VULCO | 2115 | 2155 | | | |
| B84VULCO | 2140 | 2180 | | | |
| B85VULCO | 2165 | 2205 | | | |
| B86VULCO | 2185 | 2225 | | | |
| B87VULCO | 2215 | 2255 | | | |
| B88VULCO | 2240 | 2280 | | | |
| B89VULCO | 2255 | 2295 | | | |
| B90VULCO | 2290 | 2330 | | | |
| B91VULCO | 2310 | 2350 | | | |
| B92VULCO | 2340 | 2380 | | | |
| B93VULCO | 2365 | 2405 | | | |
| B94VULCO | 2395 | 2435 | | | |
| B95VULCO | 2420 | 2460 | | | |

| C | | | C | | |
|-------------|---------------|--------------|-------------|---------------|--------------|
| Description | Inside length | Datum length | Description | Inside length | Datum length |
| | mm | mm | | mm | mm |
| C43VULCO | 1092 | 1150 | C120VULCO | 3062 | 3120 |
| C46VULCO | 1192 | 1250 | C122VULCO | 3127 | 3185 |
| C48VULCO | 1227 | 1285 | C124VULCO | 3157 | 3215 |
| C49VULCO | 1252 | 1310 | C128VULCO | 3262 | 3320 |
| C51VULCO | 1292 | 1350 | C130VULCO | 3312 | 3370 |
| C52VULCO | 1337 | 1395 | C132VULCO | 3367 | 3425 |
| C53VULCO | 1352 | 1410 | C134VULCO | 3402 | 3460 |
| C55VULCO | 1402 | 1460 | C136VULCO | 3477 | 3535 |
| C56VULCO | 1427 | 1485 | C140VULCO | 3557 | 3615 |
| C57VULCO | 1452 | 1510 | C144VULCO | 3672 | 3730 |
| C58VULCO | 1492 | 1550 | C148VULCO | 3772 | 3830 |
| C59VULCO | 1512 | 1570 | C153VULCO | 3902 | 3960 |
| C60VULCO | 1527 | 1585 | C158VULCO | 4007 | 4065 |
| C61VULCO | 1567 | 1625 | C162VULCO | 4122 | 4180 |
| C62VULCO | 1592 | 1650 | C165VULCO | 4212 | 4270 |
| C63VULCO | 1617 | 1675 | C167VULCO | 4262 | 4320 |
| C65VULCO | 1667 | 1725 | C170VULCO | 4342 | 4400 |
| C66VULCO | 1692 | 1750 | C173VULCO | 4407 | 4465 |
| C67VULCO | 1717 | 1775 | C177VULCO | 4507 | 4565 |
| C68VULCO | 1742 | 1800 | C180VULCO | 4587 | 4645 |
| C69VULCO | 1767 | 1825 | C187VULCO | 4752 | 4810 |
| C70VULCO | 1792 | 1850 | C190VULCO | 4822 | 4880 |
| C71VULCO | 1817 | 1875 | C195VULCO | 4967 | 5025 |
| C72VULCO | 1842 | 1900 | C197VULCO | 5022 | 5080 |
| C75VULCO | 1912 | 1970 | C204VULCO | 5192 | 5250 |
| C76VULCO | 1942 | 2000 | C208VULCO | 5302 | 5360 |
| C77VULCO | 1972 | 2030 | C210VULCO | 5342 | 5400 |
| C78VULCO | 1992 | 2050 | C222VULCO | 5607 | 5665 |
| C80VULCO | 2042 | 2100 | C225VULCO | 5672 | 5730 |
| C81VULCO | 2067 | 2125 | C238VULCO | 6002 | 6060 |
| C82VULCO | 2092 | 2150 | C240VULCO | 6062 | 6120 |
| C83VULCO | 2122 | 2180 | C250VULCO | 6307 | 6365 |
| C84VULCO | 2142 | 2200 | C195VULCO | 6702 | 6760 |
| C85VULCO | 2172 | 2230 | C270VULCO | 6822 | 6880 |
| C86VULCO | 2197 | 2255 | C280VULCO | 7107 | 7165 |
| C88VULCO | 2242 | 2300 | | | |
| C89VULCO | 2272 | 2330 | | | |
| C90VULCO | 2297 | 2355 | | | |
| C93VULCO | 2367 | 2425 | | | |
| C94VULCO | 2387 | 2445 | | | |
| C95VULCO | 2412 | 2470 | | | |
| C96VULCO | 2432 | 2490 | | | |
| C97VULCO | 2467 | 2525 | | | |
| C98VULCO | 2502 | 2560 | | | |
| C99VULCO | 2537 | 2595 | | | |
| C100VULCO | 2557 | 2615 | | | |
| C101VULCO | 2582 | 2640 | | | |
| C102VULCO | 2602 | 2660 | | | |
| C104VULCO | 2657 | 2715 | | | |
| C105VULCO | 2682 | 2740 | | | |
| C106VULCO | 2707 | 2765 | | | |
| C108VULCO | 2762 | 2820 | | | |
| C110VULCO | 2802 | 2860 | | | |
| C112VULCO | 2857 | 2915 | | | |
| C114VULCO | 2917 | 2975 | | | |
| C115VULCO | 2932 | 2990 | | | |
| C116VULCO | 2962 | 3020 | | | |
| C118VULCO | 2997 | 3055 | | | |

VulcoPower™ ordering code is composed as follows:

C43VULCO

C - Section
43 - Inside length in inch
VULCO - Product short name

All dimensions are available from stock.



SERVICE LINE BELTS

VULCOPLUS™

Wrapped, narrow section V-belt

If your application requires high speeds, high speed ratios or small pulley diameters, Gates VulcoPlus™ is the ideal solution. This replacement belt is recommended for use on all industrial heavy-duty, narrow section V-belt drives.



Identification

Durable green marking indicating type and dimensions.

Construction

- Belt compound converts tensile forces on the sidewalls into longitudinal forces in the tensile member.
- Textile cover provides grip and protects against abrasion.
- Polyester tensile member withstands occasional or recurrent shockloads.
- Excellent resistance to oil, heat, ozone, sunlight, weather and ageing.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Advantages

- Excellent performance/cost ratio.
- Manufactured by Gates according to the highest quality standards.
- Suited for a wide range of light- to medium-duty power transmission applications and motion transfer.
- Available in all popular lengths and sections.
- Match system: all sizes meet Gates **UNISET** tolerances, they can be installed without matching.

Sections and nominal dimensions



| | Width mm | Height mm |
|------------|-------------|--------------|
| SPZ | 10 | 8 |
| SPA | 13 | 10 |
| SPB | 16 | 13 |
| SPC | 22 | 18 |



| SPZ | | SPA | |
|--------------|------------------------|--------------|------------------------|
| Description | Datum length mm ISO | Description | Datum length mm ISO |
| SPZ562VULCO | 562 | SPZ1562VULCO | 1562 |
| SPZ587VULCO | 587 | SPZ1587VULCO | 1587 |
| SPZ612VULCO | 612 | SPZ1600VULCO | 1600 |
| SPZ630VULCO | 630 | SPZ1612VULCO | 1612 |
| SPZ637VULCO | 637 | SPZ1637VULCO | 1637 |
| SPZ662VULCO | 662 | SPZ1650VULCO | 1650 |
| SPZ670VULCO | 670 | SPZ1662VULCO | 1662 |
| SPZ687VULCO | 687 | SPZ1687VULCO | 1687 |
| SPZ710VULCO | 710 | SPZ1700VULCO | 1700 |
| SPZ722VULCO | 722 | SPZ1737VULCO | 1737 |
| SPZ737VULCO | 737 | SPZ1750VULCO | 1750 |
| SPZ750VULCO | 750 | SPZ1762VULCO | 1762 |
| SPZ762VULCO | 762 | SPZ1787VULCO | 1787 |
| SPZ772VULCO | 772 | SPZ1800VULCO | 1800 |
| SPZ787VULCO | 787 | SPZ1812VULCO | 1812 |
| SPZ800VULCO | 800 | SPZ1837VULCO | 1837 |
| SPZ812VULCO | 812 | SPZ1850VULCO | 1850 |
| SPZ825VULCO | 825 | SPZ1862VULCO | 1862 |
| SPZ837VULCO | 837 | SPZ1887VULCO | 1887 |
| SPZ850VULCO | 850 | SPZ1900VULCO | 1900 |
| SPZ862VULCO | 862 | SPZ1937VULCO | 1937 |
| SPZ875VULCO | 875 | SPZ1987VULCO | 1987 |
| SPZ887VULCO | 887 | SPZ2000VULCO | 2000 |
| SPZ900VULCO | 900 | SPZ2037VULCO | 2037 |
| SPZ912VULCO | 912 | SPZ2060VULCO | 2060 |
| SPZ925VULCO | 925 | SPZ2120VULCO | 2120 |
| SPZ937VULCO | 937 | SPZ2137VULCO | 2137 |
| SPZ950VULCO | 950 | SPZ2180VULCO | 2180 |
| SPZ962VULCO | 962 | SPZ2187VULCO | 2187 |
| SPZ975VULCO | 975 | SPZ2240VULCO | 2240 |
| SPZ987VULCO | 987 | SPZ2287VULCO | 2287 |
| SPZ1000VULCO | 1000 | SPZ2360VULCO | 2360 |
| SPZ1012VULCO | 1012 | SPZ2500VULCO | 2500 |
| SPZ1024VULCO | 1024 | SPZ2650VULCO | 2650 |
| SPZ1030VULCO | 1030 | SPZ2800VULCO | 2800 |
| SPZ1037VULCO | 1037 | SPZ3000VULCO | 3000 |
| SPZ1047VULCO | 1047 | SPZ3150VULCO | 3150 |
| SPZ1060VULCO | 1060 | SPZ3350VULCO | 3350 |
| SPZ1077VULCO | 1077 | SPZ3550VULCO | 3550 |
| SPZ1087VULCO | 1087 | | |
| SPZ1112VULCO | 1112 | | |
| SPZ1120VULCO | 1120 | | |
| SPZ1137VULCO | 1137 | | |
| SPZ1162VULCO | 1162 | | |
| SPZ1180VULCO | 1180 | | |
| SPZ1187VULCO | 1187 | | |
| SPZ1202VULCO | 1202 | | |
| SPZ1212VULCO | 1212 | | |
| SPZ1237VULCO | 1237 | | |
| SPZ1250VULCO | 1250 | | |
| SPZ1262VULCO | 1262 | | |
| SPZ1285VULCO | 1285 | | |
| SPZ1312VULCO | 1312 | | |
| SPZ1320VULCO | 1320 | | |
| SPZ1337VULCO | 1337 | | |
| SPZ1347VULCO | 1347 | | |
| SPZ1360VULCO | 1360 | | |
| SPZ1387VULCO | 1387 | | |
| SPZ1400VULCO | 1400 | | |
| SPZ1412VULCO | 1412 | | |
| SPZ1437VULCO | 1437 | | |
| SPZ1450VULCO | 1450 | | |
| SPZ1462VULCO | 1462 | | |
| SPZ1487VULCO | 1487 | | |
| SPZ1500VULCO | 1500 | | |
| SPZ1512VULCO | 1512 | | |
| SPZ1537VULCO | 1537 | | |
| SPZ1550VULCO | 1550 | | |
| | | SPA732VULCO | 732 |
| | | SPA757VULCO | 757 |
| | | SPA782VULCO | 782 |
| | | SPA800VULCO | 800 |
| | | SPA825VULCO | 825 |
| | | SPA832VULCO | 832 |
| | | SPA850VULCO | 850 |
| | | SPA857VULCO | 857 |
| | | SPA875VULCO | 875 |
| | | SPA900VULCO | 900 |
| | | SPA932VULCO | 932 |
| | | SPA950VULCO | 950 |
| | | SPA975VULCO | 975 |
| | | SPA1000VULCO | 1000 |
| | | SPA1030VULCO | 1030 |
| | | SPA1032VULCO | 1032 |
| | | SPA1057VULCO | 1057 |
| | | SPA1082VULCO | 1082 |
| | | SPA1107VULCO | 1107 |
| | | SPA1120VULCO | 1120 |
| | | SPA1132VULCO | 1132 |
| | | SPA1150VULCO | 1150 |
| | | SPA1180VULCO | 1180 |
| | | SPA1207VULCO | 1207 |
| | | SPA1232VULCO | 1232 |
| | | SPA1250VULCO | 1250 |
| | | SPA1272VULCO | 1272 |
| | | SPA1285VULCO | 1285 |
| | | SPA1307VULCO | 1307 |
| | | SPA1320VULCO | 1320 |
| | | SPA1332VULCO | 1332 |
| | | SPA1360VULCO | 1360 |
| | | SPA1382VULCO | 1382 |
| | | SPA1400VULCO | 1400 |
| | | SPA1407VULCO | 1407 |
| | | SPA1425VULCO | 1425 |
| | | SPA1432VULCO | 1432 |
| | | SPA1450VULCO | 1450 |
| | | SPA1482VULCO | 1482 |
| | | SPA1500VULCO | 1500 |
| | | SPA1532VULCO | 1532 |
| | | SPA1550VULCO | 1550 |
| | | SPA1582VULCO | 1582 |
| | | SPA1600VULCO | 1600 |
| | | SPA1632VULCO | 1632 |
| | | SPA1650VULCO | 1650 |
| | | SPA1682VULCO | 1682 |
| | | SPA1700VULCO | 1700 |
| | | SPA1707VULCO | 1707 |
| | | SPA1732VULCO | 1732 |
| | | SPA1757VULCO | 1757 |
| | | SPA1782VULCO | 1782 |
| | | SPA1800VULCO | 1800 |
| | | SPA1832VULCO | 1832 |
| | | SPA1857VULCO | 1857 |
| | | SPA1882VULCO | 1882 |
| | | SPA1900VULCO | 1900 |
| | | SPA1932VULCO | 1932 |
| | | SPA1957VULCO | 1957 |
| | | SPA1982VULCO | 1982 |
| | | SPA2000VULCO | 2000 |
| | | SPA2032VULCO | 2032 |
| | | SPA2057VULCO | 2057 |
| | | SPA2060VULCO | 2060 |
| | | SPA2082VULCO | 2082 |
| | | SPA2120VULCO | 2120 |
| | | SPA2132VULCO | 2132 |
| | | SPA2182VULCO | 2182 |
| | | SPA2207VULCO | 2207 |
| | | SPA2232VULCO | 2232 |
| | | SPA2240VULCO | 2240 |
| | | SPA2282VULCO | 2282 |
| | | SPA2300VULCO | 2300 |
| | | SPA2307VULCO | 2307 |
| | | SPA2332VULCO | 2332 |
| | | SPA2360VULCO | 2360 |
| | | SPA2382VULCO | 2382 |
| | | SPA2430VULCO | 2430 |
| | | SPA2432VULCO | 2432 |
| | | SPA2482VULCO | 2482 |
| | | SPA2500VULCO | 2500 |
| | | SPA2532VULCO | 2532 |
| | | SPA2580VULCO | 2580 |
| | | SPA2582VULCO | 2582 |
| | | SPA2607VULCO | 2607 |
| | | SPA2632VULCO | 2632 |
| | | SPA2650VULCO | 2650 |
| | | SPA2682VULCO | 2682 |
| | | SPA2720VULCO | 2720 |
| | | SPA2732VULCO | 2732 |
| | | SPA2782VULCO | 2782 |
| | | SPA2800VULCO | 2800 |
| | | SPA2832VULCO | 2832 |
| | | SPA2847VULCO | 2847 |
| | | SPA2882VULCO | 2882 |
| | | SPA2900VULCO | 2900 |
| | | SPA2932VULCO | 2932 |
| | | SPA2982VULCO | 2982 |
| | | SPA3000VULCO | 3000 |
| | | SPA3032VULCO | 3032 |
| | | SPA3082VULCO | 3082 |
| | | SPA3150VULCO | 3150 |
| | | SPA3182VULCO | 3182 |
| | | SPA3282VULCO | 3282 |
| | | SPA3350VULCO | 3350 |
| | | SPA3550VULCO | 3550 |
| | | SPA3750VULCO | 3750 |
| | | SPA4000VULCO | 4000 |
| | | SPA4250VULCO | 4250 |
| | | SPA4500VULCO | 4500 |



| SPB | | SPC | |
|--------------|------------------------|---------------|------------------------|
| Description | Datum length mm ISO | Description | Datum length mm ISO |
| SPB1250VULCO | 1250 | SPC2000VULCO | 2000 |
| SPB1280VULCO | 1280 | SPC2120VULCO | 2120 |
| SPB1320VULCO | 1320 | SPC2240VULCO | 2240 |
| SPB1360VULCO | 1360 | SPC2360VULCO | 2360 |
| SPB1400VULCO | 1400 | SPC2500VULCO | 2500 |
| SPB1450VULCO | 1450 | SPC2650VULCO | 2650 |
| SPB1500VULCO | 1500 | SPC2800VULCO | 2800 |
| SPB1550VULCO | 1550 | SPC3000VULCO | 3000 |
| SPB1600VULCO | 1600 | SPC3150VULCO | 3150 |
| SPB1650VULCO | 1650 | SPC3350VULCO | 3350 |
| SPB1700VULCO | 1700 | SPC3550VULCO | 3550 |
| SPB1750VULCO | 1750 | SPC3750VULCO | 3750 |
| SPB1800VULCO | 1800 | SPC4000VULCO | 4000 |
| SPB1850VULCO | 1850 | SPC4250VULCO | 4250 |
| SPB1900VULCO | 1900 | SPC4500VULCO | 4500 |
| SPB1950VULCO | 1950 | SPC4750VULCO | 4750 |
| SPB2000VULCO | 2000 | SPC5000VULCO | 5000 |
| SPB2060VULCO | 2060 | SPC5300VULCO | 5300 |
| SPB2120VULCO | 2120 | SPC5600VULCO | 5600 |
| SPB2180VULCO | 2180 | SPC6000VULCO | 6000 |
| SPB2240VULCO | 2240 | SPC6300VULCO | 6300 |
| SPB2300VULCO | 2300 | SPC6700VULCO | 6700 |
| SPB2360VULCO | 2360 | SPC7100VULCO | 7100 |
| SPB2430VULCO | 2430 | SPC7500VULCO | 7500 |
| SPB2500VULCO | 2500 | SPC8000VULCO | 8000 |
| SPB2580VULCO | 2580 | SPC8500VULCO | 8500 |
| SPB2650VULCO | 2650 | SPC9000VULCO | 9000 |
| SPB2720VULCO | 2720 | SPC9500VULCO | 9500 |
| SPB2800VULCO | 2800 | SPC10000VULCO | 10000 |
| SPB2900VULCO | 2900 | SPC10600VULCO | 10600 |
| SPB3000VULCO | 3000 | SPC11200VULCO | 11200 |
| SPB3150VULCO | 3150 | | |
| SPB3250VULCO | 3250 | | |
| SPB3350VULCO | 3350 | | |
| SPB3450VULCO | 3450 | | |
| SPB3550VULCO | 3550 | | |
| SPB3650VULCO | 3650 | | |
| SPB3750VULCO | 3750 | | |
| SPB3870VULCO | 3870 | | |
| SPB4000VULCO | 4000 | | |
| SPB4120VULCO | 4120 | | |
| SPB4250VULCO | 4250 | | |
| SPB4370VULCO | 4370 | | |
| SPB4500VULCO | 4500 | | |
| SPB4560VULCO | 4560 | | |
| SPB4620VULCO | 4620 | | |
| SPB4750VULCO | 4750 | | |
| SPB4870VULCO | 4870 | | |
| SPB5000VULCO | 5000 | | |
| SPB5300VULCO | 5300 | | |
| SPB5600VULCO | 5600 | | |
| SPB6000VULCO | 6000 | | |
| SPB6300VULCO | 6300 | | |
| SPB6700VULCO | 6700 | | |
| SPB7100VULCO | 7100 | | |
| SPB7500VULCO | 7500 | | |
| SPB8000VULCO | 8000 | | |

VulcoPlus™ ordering code is composed as follows:

SPA732VULCO

SPA - Section
732 - Datum length (mm)
VULCO - Product short name

Dimensions in bold are available from stock.

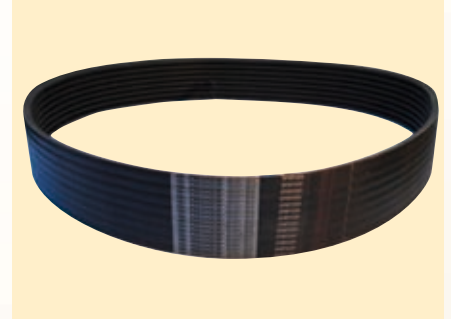


HEAVY-DUTY V-BELTS

PREDATOR®

Wrapped, narrow section multiple V-belt

Gates Predator® V-belts are the markets' leading V-belts. Unique in their extreme robustness and high load carrying capability they are unrivalled. They are excellent problem solvers that perform well in harsh environments and in extremely demanding applications where standard V-belts have performance issues. The Predator® belt difference is in the construction: they have the highest power density of any V-belt and virtually zero stretch because of the use of high strength, high modulus aramid tensile cords. They are available as PowerBand® belts in SPBP, SPCP, 9JP, 15JP and 8VP sections and on demand as single belts in AP, BP, CP, SPBP and SPCP sections.



Identification

Durable silver marking indicating type and dimensions.

Construction

- Aramid tensile cords provide extraordinary strength, durability and virtually zero stretch.
- Double fabric cover offers extreme abrasion and wear resistance.
- Specially treated extra tough cover withstands slip and shear forces at peak loads without generating excessive heat and resists penetration by foreign materials.
- Chloroprene rubber compounds provide superb oil and heat resistance.
- Non-rubber surfaced cover allows momentary slippage due to excessive overloads without damaging the belt.

Advantages

- At least 40% higher power ratings than standard construction V-belts.
- No need for constant belt re-tensioning.
- Less maintenance, less downtime.
- Excellent problem solver.
- Available in PowerBand® and single belt construction:
 - PowerBand® belts feature a multiple layer tie band that provides excellent lateral rigidity to prevent belts from turning over or from coming off the drive.
 - Single belts can be used for applications where PowerBand® belts are not an option. Predator® single belts are available on demand in lengths over 1400 mm.
- Predator® PowerBand® belts are **static conductive (ISO 1813)** (except for 8VP) and can as such be used in the conditions described in the Directive 94/9/EC - ATEX; for detailed info on the static conductivity of Predator® single belts, please contact your Gates representative.

Sections and nominal dimensions



| | Pitch mm | Width mm | Height mm |
|-------------|-------------|-------------|--------------|
| SPBP | 19.0 | 16 | 13 |
| SPCP | 25.5 | 22 | 18 |
| 9JP | 10.3 | 10 | 8 |
| 15JP | 17.5 | 16 | 13 |
| 8VP | 28.6 | 26 | 23 |

Available number of ribs

| | |
|-------------|--------|
| SPBP | 2 → 16 |
| SPCP | 2 → 12 |
| 9JP | 2 → 30 |
| 15JP | 2 → 16 |
| 8VP | 3 → 5 |



PowerBand® belts

| SPBP | | SPCP | | 9JP | | 15JP | |
|-------------|--------------------|-------------|--------------------|-------------|------------------------|-------------|------------------------|
| Description | Datum length mm | Description | Datum length mm | Description | Effective length mm | Description | Effective length mm |
| SPBP2120 | 2120 | SPCP3000 | 3000 | 9JP1400 | 1400 | 15JP1400 | 1400 |
| SPBP2240 | 2240 | SPCP3150 | 3150 | 9JP1500 | 1500 | 15JP1500 | 1500 |
| SPBP2360 | 2360 | SPCP3350 | 3350 | 9JP1600 | 1600 | 15JP1600 | 1600 |
| SPBP2500 | 2500 | SPCP3550 | 3550 | 9JP1700 | 1700 | 15JP1700 | 1700 |
| SPBP2650 | 2650 | SPCP3750 | 3750 | 9JP1800 | 1800 | 15JP1800 | 1800 |
| SPBP2800 | 2800 | SPCP4000 | 4000 | 9JP1900 | 1900 | 15JP1900 | 1900 |
| SPBP3000 | 3000 | SPCP4250 | 4250 | 9JP2000 | 2000 | 15JP2000 | 2000 |
| SPBP3150 | 3150 | SPCP4500 | 4500 | 9JP2120 | 2120 | 15JP2120 | 2120 |
| SPBP3350 | 3350 | SPCP4750 | 4750 | 9JP2240 | 2240 | 15JP2240 | 2240 |
| SPBP3550 | 3550 | SPCP5000 | 5000 | 9JP2360 | 2360 | 15JP2360 | 2360 |
| SPBP3750 | 3750 | SPCP5300 | 5300 | 9JP2500 | 2500 | 15JP2500 | 2500 |
| SPBP4000 | 4000 | SPCP5600 | 5600 | 9JP2650 | 2650 | 15JP2650 | 2650 |
| SPBP4250 | 4250 | SPCP6000 | 6000 | 9JP2800 | 2800 | 15JP2800 | 2800 |
| SPBP4500 | 4500 | SPCP6300 | 6300 | 9JP3000 | 3000 | 15JP3000 | 3000 |
| SPBP4750 | 4750 | SPCP6700 | 6700 | 9JP3150 | 3150 | 15JP3150 | 3150 |
| SPBP5000 | 5000 | SPCP7100 | 7100 | 9JP3350 | 3350 | 15JP3350 | 3350 |
| SPBP5300 | 5300 | SPCP7500 | 7500 | 9JP3550 | 3550 | 15JP3550 | 3550 |
| SPBP5600 | 5600 | SPCP8000 | 8000 | | | 15JP3750 | 3750 |
| SPBP6000 | 6000 | SPCP8500 | 8500 | | | 15JP4000 | 4000 |
| SPBP6300 | 6300 | SPCP9000 | 9000 | | | 15JP4250 | 4250 |
| SPBP6700 | 6700 | SPCP10000 | 10000 | | | 15JP4500 | 4500 |
| SPBP7100 | 7100 | SPCP10600 | 10600 | | | 15JP4750 | 4750 |
| SPBP7500 | 7500 | SPCP11200 | 11200 | | | 15JP5000 | 5000 |
| SPBP8000 | 8000 | | | | | 15JP5300 | 5300 |
| | | | | | | 15JP5600 | 5600 |
| | | | | | | 15JP6000 | 6000 |
| | | | | | | 15JP6300 | 6300 |
| | | | | | | 15JP6700 | 6700 |
| | | | | | | 15JP7100 | 7100 |
| | | | | | | 15JP7500 | 7500 |
| | | | | | | 15JP8000 | 8000 |
| | | | | | | 15JP8500 | 8500 |
| | | | | | | 15JP9000 | 9000 |

| 8VP | |
|-------------|------------------------|
| Description | Effective length mm |
| 8VP1000 | 2540 |
| 8VP1060 | 2690 |
| 8VP1120 | 2845 |
| 8VP1180 | 2995 |
| 8VP1250 | 3175 |
| 8VP1320 | 3355 |
| 8VP1400 | 3555 |
| 8VP1500 | 3810 |
| 8VP1600 | 4065 |
| 8VP1700 | 4320 |
| 8VP1800 | 4570 |
| 8VP1900 | 4825 |
| 8VP2000 | 5080 |
| 8VP2120 | 5385 |
| 8VP2240 | 5690 |
| 8VP2360 | 5995 |
| 8VP2500 | 6350 |
| 8VP2650 | 6730 |
| 8VP2800 | 7110 |
| 8VP3000 | 7620 |
| 8VP3150 | 8000 |
| 8VP3350 | 8510 |
| 8VP3550 | 9015 |
| 8VO3750 | 9525 |
| 8VP4000 | 10160 |
| 8VP4250 | 10795 |
| 8VP4500 | 11430 |
| 8VP4750 | 12065 |
| 8VP5000 | 12700 |
| 8VP5600 | 14225 |
| 8VP6000 | 15240 |

| | |
|--|---------------------|
| Predator® ordering code is composed as follows: | |
| SPBP3350/3 | |
| SPBP | - Section |
| 3350 | - Datum length (mm) |
| 3 | - Number of ribs |

Dimensions in bold are available from stock.

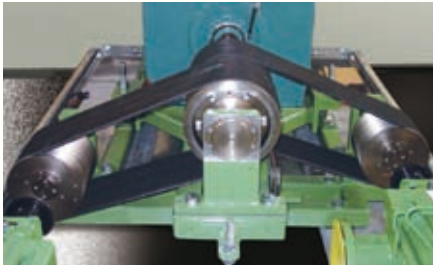


HEAVY-DUTY V-BELTS

QUAD-POWER® II POWERBAND®

Raw edge, moulded notch, narrow section multiple V-belt

Gates Quad-Power® II PowerBand® offers a stable position in the pulleys and a smooth running solution for drives where single belts vibrate. It consists of several V-belts joined together by a permanent, high strength tie band, thus being tougher than all the belts taken separately. Quad-Power® II PowerBand® is easy to install and offers a high resistance to vibrations.



Identification

Durable marking indicating type and dimensions.

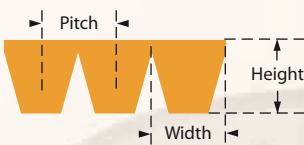
Construction

- Strong band controls belt-to-belt distance and prevents sideways bending.
- Flex-bonded tensile cords are vulcanised as one solid unit making the belt highly resistant to tensile and flexing forces, fatigue and shock loads.
- Flat back construction reduces noise when used with a back side idler or tensioner.
- Elastomeric compound protects the belt against heat, ozone and sunlight.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Advantages

- High stability and smooth running on the toughest drives.
- Better resistance to vibrations.
- Temperature ranges from -30°C to +60°C (higher temperatures for shorter periods).
- Important design economies possible.
- Savings in drive space and weight thanks to high transmission efficiency.
- Match system: all sizes meet Gates **UNISSET** tolerances, they can be installed without matching.

Sections and nominal dimensions



| | Pitch mm | Width mm | Height mm |
|------------|-------------|-------------|--------------|
| 3VX | 10.3 | 10 | 8 |
| 5VX | 17.5 | 16 | 13 |
| XPZ | 12.0 | 10 | 8 |
| XPA | 15.0 | 13 | 10 |
| XPB | 19.0 | 16 | 13 |

| | Available number of ribs | | | |
|------------|--------------------------|---|---|---|
| | 2 | 3 | 4 | 5 |
| 3VX | x | x | x | x |
| 5VX | x | x | x | x |
| XPZ | x | x | x | |
| XPA | x | x | | |
| XPB | x | x | | |



| 3VX | | XPZ | | XPA | | XPB | |
|-------------|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| Description | Effective length | Description | Datum length | Description | Datum length | Description | Datum length |
| RMA | RMA mm | ISO | ISO mm | ISO | ISO mm | ISO | ISO mm |
| 3VX250 | 635 | XPZ800 | 800 | XPA800 | 800 | XPB1250 | 1250 |
| 3VX265 | 675 | XPZ850 | 850 | XPA850 | 850 | XPB1320 | 1320 |
| 3VX280 | 710 | XPZ900 | 900 | XPA900 | 900 | XPB1400 | 1400 |
| 3VX300 | 760 | XPZ950 | 950 | XPA950 | 950 | XPB1450 | 1450 |
| 3VX315 | 800 | XPZ1000 | 1000 | XPA1000 | 1000 | XPB1500 | 1500 |
| 3VX335 | 850 | XPZ1030 | 1030 | XPA1030 | 1030 | XPB1550 | 1550 |
| 3VX355 | 900 | XPZ1060 | 1060 | XPA1060 | 1060 | XPB1600 | 1600 |
| 3VX375 | 950 | XPZ1090 | 1090 | XPA1090 | 1090 | XPB1650 | 1650 |
| 3VX400 | 1015 | XPZ1120 | 1120 | XPA1120 | 1120 | XPB1700 | 1700 |
| 3VX425 | 1080 | XPZ1150 | 1150 | XPA1150 | 1150 | XPB1750 | 1750 |
| 3VX450 | 1145 | XPZ1180 | 1180 | XPA1180 | 1180 | XPB1800 | 1800 |
| 3VX475 | 1205 | XPZ1212 | 1212 | XPA1250 | 1250 | XPB1850 | 1850 |
| 3VX500 | 1270 | XPZ1250 | 1250 | XPA1320 | 1320 | XPB1900 | 1900 |
| 3VX530 | 1345 | XPZ1270 | 1270 | XPA1360 | 1360 | XPB1950 | 1950 |
| 3VX560 | 1420 | XPZ1320 | 1320 | XPA1400 | 1400 | XPB2000 | 2000 |
| 3VX600 | 1525 | XPZ1340 | 1340 | XPA1450 | 1450 | XPB2120 | 2120 |
| 3VX630 | 1600 | XPZ1362 | 1362 | XPA1500 | 1500 | XPB2150 | 2150 |
| 3VX670 | 1700 | XPZ1400 | 1400 | XPA1550 | 1550 | XPB2240 | 2240 |
| 3VX710 | 1805 | XPZ1420 | 1420 | XPA1600 | 1600 | XPB2280 | 2280 |
| 3VX750 | 1905 | XPZ1450 | 1450 | XPA1650 | 1650 | XPB2360 | 2360 |
| 3VX800 | 2030 | XPZ1500 | 1500 | XPA1700 | 1700 | XPB2410 | 2410 |
| 3VX850 | 2160 | XPZ1550 | 1550 | XPA1750 | 1750 | XPB2500 | 2500 |
| 3VX900 | 2285 | XPZ1600 | 1600 | XPA1800 | 1800 | XPB2530 | 2530 |
| 3VX950 | 2415 | XPZ1650 | 1650 | XPA1850 | 1850 | XPB2650 | 2650 |
| 3VX1000 | 2540 | XPZ1700 | 1700 | XPA1900 | 1900 | XPB2680 | 2680 |
| 3VX1060 | 2690 | XPZ1750 | 1750 | XPA1950 | 1950 | XPB2800 | 2800 |
| 3VX1120 | 2845 | XPZ1800 | 1800 | XPA2000 | 2000 | XPB2840 | 2840 |
| 3VX1180 | 2995 | XPZ1850 | 1850 | XPA2060 | 2060 | XPB3000 | 3000 |
| 3VX1250 | 3175 | XPZ1900 | 1900 | XPA2120 | 2120 | XPB3150 | 3150 |
| 3VX1320 | 3355 | XPZ1950 | 1950 | XPA2240 | 2240 | XPB3350 | 3350 |
| 3VX1400 | 3555 | XPZ2000 | 2000 | XPA2360 | 2360 | XPB3550 | 3550 |
| | | XPZ2030 | 2030 | XPA2430 | 2430 | XPB3750 | 3750 |
| | | XPZ2120 | 2120 | XPA2500 | 2500 | XPB4000 | 4000 |
| | | XPZ2160 | 2160 | XPA2650 | 2650 | XPB4250 | 4250 |
| | | XPZ2240 | 2240 | XPA2800 | 2800 | XPB4500 | 4500 |
| | | XPZ2360 | 2360 | XPA3000 | 3000 | XPB4750 | 4750 |
| | | XPZ2500 | 2500 | XPA3150 | 3150 | | |
| | | XPZ2650 | 2650 | XPA3350 | 3350 | | |
| | | XPZ2800 | 2800 | XPA3550 | 3550 | | |
| | | XPZ3000 | 3000 | XPA3750 | 3750 | | |
| | | XPZ3150 | 3150 | XPA4000 | 4000 | | |
| | | XPZ3350 | 3350 | | | | |
| | | XPZ3550 | 3550 | | | | |

| 5VX | |
|-------------|------------------|
| Description | Effective length |
| RMA | RMA mm |
| 5VX500 | 1270 |
| 5VX530 | 1345 |
| 5VX560 | 1420 |
| 5VX600 | 1525 |
| 5VX630 | 1600 |
| 5VX670 | 1700 |
| 5VX710 | 1805 |
| 5VX750 | 1905 |
| 5VX800 | 2030 |
| 5VX850 | 2160 |
| 5VX900 | 2285 |
| 5VX950 | 2415 |
| 5VX1000 | 2540 |
| 5VX1060 | 2690 |
| 5VX1120 | 2845 |
| 5VX1180 | 2995 |
| 5VX1250 | 3175 |
| 5VX1320 | 3355 |
| 5VX1400 | 3555 |
| 5VX1500 | 3810 |
| 5VX1600 | 4065 |
| 5VX1700 | 4320 |
| 5VX1800 | 4570 |
| 5VX1900 | 4825 |
| 5VX2000 | 5080 |

Quad-Power® II PowerBand® ordering code is composed as follows:

XPA1030/2

XPA - Section
1030 - Datum length (mm)
2 - Number of ribs

All dimensions are available on request.



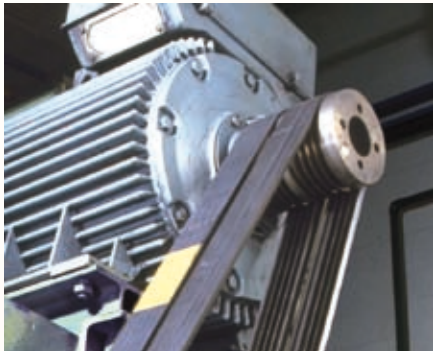
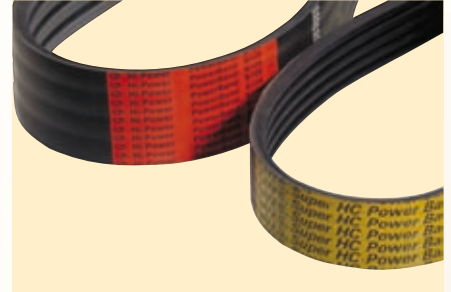
HEAVY-DUTY V-BELTS

SUPER HC® & HI-POWER® POWERBAND®

Wrapped, narrow section/classical section multiple V-belt

Gates Super HC® PowerBand® and Hi-Power® PowerBand® offer a solution for drives where single belts vibrate, turn over or jump off the pulleys. They consist of several V-belts joined together by a permanent, high strength tie band, thus being tougher than all the belts taken separately.

Super HC® PowerBand® is available in SPB, SPC, 8V/25J, 9J and 15J sections. Hi-Power® B, C and D sections are available on request.



Identification

Durable marking indicating type and dimensions.

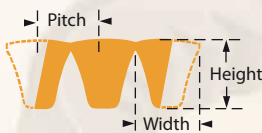
Construction

- Strong band controls belt-to-belt distance and prevents sideways bending.
- Flex-bonded tensile cords are vulcanised as one solid unit making the belt highly resistant to tensile and flexing forces, fatigue and shock loads.
- Concave sides and arched top.
- Flex-Weave® cover protects the belt core from the toughest environments.
- Elastomeric compound protects the belt against heat, ozone and sunlight.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Advantages

- Better resistance to vibrations.
- High stability and smooth running on the toughest drives.
- Temperature ranges from -30°C to +60°C.
- Important design economies possible.
- Savings in drive space and weight thanks to high transmission efficiency.

Sections and nominal dimensions



| | Pitch mm | Width mm | Height mm |
|------------------|-------------|-------------|--------------|
| Super HC® | | | |
| SPB | 19.00 | 16 | 13 |
| SPC | 25.50 | 22 | 18 |
| 9J/3V | 10.30 | 10 | 8 |
| 15J/5V | 17.50 | 16 | 13 |
| 25J/8V | 28.60 | 26 | 23 |
| Hi-Power® | | | |
| B | 19.05 | 17 | 10 |
| C | 25.40 | 22 | 12 |
| D | 36.50 | 32 | 19 |

| Available number of ribs | | |
|--------------------------|-----|----|
| Super HC® | | |
| SPB | 2 → | 16 |
| SPC | 2 → | 12 |
| 9J/3V | 2 → | 30 |
| 15J/5V | 2 → | 16 |
| 25J/8V | 3 → | 5 |
| Hi-Power® | | |
| B | 2 → | 5 |
| C | 2 → | 5 |
| D | 3 → | 5 |



| SPB | | 9J/3V | | 15J/5V | | 25J/8V | |
|-------------|-------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|
| Description | Datum length mm ISO* | Description | Effective length mm ISO | Description | Effective length mm ISO | Description | Effective length mm ISO |
| SPB2120 | 2120 | 9J1250 | 1250 | 15J1250 | 1250 | 8V1000 | 2540 |
| SPB2240 | 2240 | 9J1320 | 1320 | 15J1320 | 1320 | 8V1060 | 2692 |
| SPB2360 | 2360 | 9J1400 | 1400 | 15J1400 | 1400 | 8V1120 | 2845 |
| SPB2500 | 2500 | 9J1500 | 1500 | 15J1500 | 1500 | 8V1180 | 2997 |
| SPB2650 | 2650 | 9J1600 | 1600 | 15J1600 | 1600 | 8V1250 | 3175 |
| SPB2800 | 2800 | 9J1700 | 1700 | 15J1700 | 1700 | 8V1320 | 3355 |
| SPB3000 | 3000 | 9J1800 | 1800 | 15J1800 | 1800 | 8V1400 | 3556 |
| SPB3150 | 3150 | 9J1900 | 1900 | 15J1900 | 1900 | 8V1500 | 3810 |
| SPB3350 | 3350 | 9J2000 | 2000 | 15J2000 | 2000 | 8V1600 | 4064 |
| SPB3550 | 3550 | 9J2120 | 2120 | 15J2120 | 2120 | 8V1700 | 4318 |
| SPB3750 | 3750 | 9J2240 | 2240 | 15J2240 | 2240 | 8V1800 | 4572 |
| SPB4000 | 4000 | 9J2360 | 2360 | 15J2360 | 2360 | 8V1900 | 4826 |
| SPB4250 | 4250 | 9J2500 | 2500 | 15J2500 | 2500 | 8V2000 | 5080 |
| SPB4500 | 4500 | 9J2650 | 2650 | 15J2650 | 2650 | 8V2120 | 5385 |
| SPB4750 | 4750 | 9J2800 | 2800 | 15J2800 | 2800 | 8V2240 | 5690 |
| SPB5000 | 5000 | 9J3000 | 3000 | 15J3000 | 3000 | 8V2360 | 5994 |
| SPB5300 | 5300 | 9J3150 | 3150 | 15J3150 | 3150 | 8V2500 | 6350 |
| SPB5600 | 5600 | 9J3350 | 3350 | 15J3350 | 3350 | 8V2650 | 6731 |
| SPB6000 | 6000 | 9J3550 | 3550 | 15J3550 | 3550 | 8V2800 | 7112 |
| SPB6300 | 6300 | | | 15J3750 | 3750 | 8V3000 | 7620 |
| SPB6700 | 6700 | | | 15J4000 | 4000 | 8V3150 | 8001 |
| SPB7100 | 7100 | | | 15J4250 | 4250 | 8V3350 | 8509 |
| SPB7500 | 7500 | | | 15J4500 | 4500 | 8V3550 | 9017 |
| SPB8000 | 8000 | | | 15J4750 | 4750 | 8V3750 | 9525 |
| | | | | 15J5000 | 5000 | 8V4000 | 10160 |
| | | | | 15J5300 | 5300 | 8V4250 | 10795 |
| | | | | 15J5600 | 5600 | 8V4500 | 11430 |
| | | | | 15J6000 | 6000 | 8V4750 | 12065 |
| | | | | 15J6300 | 6300 | 8V5000 | 12700 |
| | | | | 15J6700 | 6700 | 8V5600 | 14224 |
| | | | | 15J7100 | 7100 | 8V6000 | 15240 |
| | | | | 15J7500 | 7500 | | |
| | | | | 15J8000 | 8000 | | |
| | | | | 15J8500 | 8500 | | |
| | | | | 15J9000 | 9000 | | |

| SPC | |
|-------------|-------------------------|
| Description | Datum length mm ISO* |
| SPC3000 | 3000 |
| SPC3150 | 3150 |
| SPC3350 | 3350 |
| SPC3550 | 3550 |
| SPC3750 | 3750 |
| SPC4000 | 4000 |
| SPC4250 | 4250 |
| SPC4500 | 4500 |
| SPC4750 | 4750 |
| SPC5000 | 5000 |
| SPC5300 | 5300 |
| SPC5600 | 5600 |
| SPC6000 | 6000 |
| SPC6300 | 6300 |
| SPC6700 | 6700 |
| SPC7100 | 7100 |
| SPC7500 | 7500 |
| SPC8000 | 8000 |
| SPC8500 | 8500 |
| SPC9000 | 9000 |
| SPC10000 | 10000 |
| SPC10600 | 10600 |
| SPC11200 | 11200 |

NOTES

* Dimensions according to ISO 4184.

9J / 15J / 25J are ISO standards for RMA 3V-PB / 5V-PB / 8V-PB.

8V PowerBand® belts are designed for use both in 8V and 25J pulleys.

Super HC® PowerBand® ordering code is composed as follows:

9J1250/2

- 9J** - Section
- 1250** - Effective length (mm)
- 2** - Number of ribs

Dimensions in bold are available from stock.



| B | | B | | C | | D | |
|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| Description | Effective length | Description | Effective length | Description | Effective length | Description | Effective length |
| | mm | | mm | | mm | | mm |
| B35 | 935 | B112 | 2891 | C60 | 1598 | D120 | 3132 |
| B38 | 1011 | B120 | 3094 | C68 | 1801 | D144 | 3741 |
| B42 | 1113 | B124 | 3195 | C75 | 1979 | D158 | 4097 |
| B43 | 1138 | B128 | 3297 | C81 | 2131 | D173 | 4478 |
| B46 | 1214 | B133 | 3424 | C85 | 2233 | D180 | 4656 |
| B48 | 1265 | B136 | 3500 | C90 | 2360 | D195 | 5037 |
| B50 | 1316 | B144 | 3780 | C96 | 2512 | D210 | 5418 |
| B51 | 1341 | B148 | 3805 | C99 | 2588 | D225 | 5735 |
| B52 | 1367 | B154 | 3957 | C100 | 2614 | D240 | 6116 |
| B53 | 1392 | B158 | 4059 | C105 | 2741 | D255 | 6497 |
| B54 | 1417 | B162 | 4161 | C108 | 2817 | D270 | 6878 |
| B55 | 1443 | B173 | 4440 | C109 | 2842 | D285 | 7259 |
| B56 | 1468 | B180 | 4618 | C112 | 2918 | D300 | 7640 |
| B57 | 1494 | B195 | 4999 | C120 | 3122 | D315 | 8021 |
| B58 | 1519 | B210 | 5380 | C124 | 3223 | D330 | 8402 |
| B59 | 1544 | B225 | 5723 | C128 | 3325 | D345 | 8783 |
| B60 | 1570 | B240 | 6104 | C136 | 3528 | D360 | 9164 |
| B61 | 1595 | B255 | 6485 | C144 | 3731 | D390 | 9926 |
| B62 | 1621 | B270 | 6866 | C158 | 4087 | D420 | 10688 |
| B63 | 1646 | B300 | 7628 | C162 | 4188 | D450 | 11450 |
| B64 | 1671 | B315 | 8009 | C173 | 4468 | D480 | 12212 |
| B65 | 1697 | | | C180 | 4646 | D540 | 13736 |
| B66 | 1722 | | | C195 | 5027 | D600 | 15260 |
| B67 | 1748 | | | C210 | 5408 | D660 | 16784 |
| B68 | 1773 | | | C225 | 5738 | | |
| B70 | 1824 | | | C240 | 6119 | | |
| B71 | 1849 | | | C255 | 6500 | | |
| B72 | 1875 | | | C270 | 6881 | | |
| B73 | 1900 | | | C285 | 7262 | | |
| B74 | 1925 | | | C300 | 7643 | | |
| B75 | 1951 | | | C315 | 8024 | | |
| B77 | 2002 | | | C330 | 8405 | | |
| B78 | 2027 | | | C345 | 8786 | | |
| B79 | 2052 | | | C360 | 9167 | | |
| B80 | 2078 | | | C390 | 9929 | | |
| B81 | 2103 | | | C420 | 10688 | | |
| B82 | 2129 | | | | | | |
| B83 | 2154 | | | | | | |
| B84 | 2180 | | | | | | |
| B85 | 2205 | | | | | | |
| B86 | 2230 | | | | | | |
| B87 | 2256 | | | | | | |
| B88 | 2281 | | | | | | |
| B90 | 2332 | | | | | | |
| B92 | 2383 | | | | | | |
| B93 | 2408 | | | | | | |
| B94 | 2434 | | | | | | |
| B95 | 2459 | | | | | | |
| B96 | 2484 | | | | | | |
| B97 | 2510 | | | | | | |
| B99 | 2560 | | | | | | |
| B100 | 2586 | | | | | | |
| B103 | 2662 | | | | | | |
| B105 | 2713 | | | | | | |
| B108 | 2789 | | | | | | |
| B110 | 2840 | | | | | | |

Hi-Power® PowerBand® ordering code is composed as follows:

C270/2

- C** - Section
- 270** - Effective length in inch
- 2** - Number of ribs

All dimensions are available on request.



V-BELTS FOR BACK IDLER AND CLUTCHING APPLICATIONS

POWERATED®

Green textile wrapped V-belt

Powerated® V-belt is recommended for heavy-duty drives and clutching applications. It meets the requirements of high power, clutching, heavy shock loaded and back idler driven lawn and garden equipment.



Identification

Durable moulded marking plus green cover designating Powerated® as a special capacity belt.

Construction

- Aramid tensile cords.
- Low cord positioning in thin profile gives extreme flexibility.
- Special heavy-duty cord reinforcement and low friction wrapping provide smooth clutching operation.
- Fabric reinforcement on the bottom ensures high crack resistance if back idler is used.

Advantages

- Smooth clutching and disengaging.
- Length stability.
- Special shock resistance.
- Special bending and crack resistance.

Sections and nominal dimensions



| | Width inch | Height inch |
|----|---------------|----------------|
| 3L | 3/8 | 7/32 |
| 4L | 1/2 | 5/16 |
| 5L | 21/32 | 3/8 |

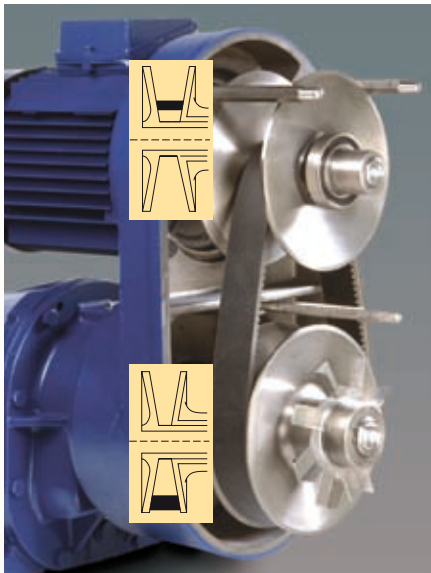


V-BELTS FOR VARIABLE SPEED DRIVES

MULTI-SPEED™

Wide raw edge V-belt

Gates Multi-Speed™ belt provides top performance on variable speed drives. It adjusts itself to the pulley groove without difficulty, providing a wide range of speeds and speed ratios. In addition to the standard Multi-Speed™ belt line, special sizes (top width, thickness and angle) are available on request.



Identification

Durable marking plus printed size.

Construction

- Engineered notch contour increases flexibility. The notches ensure maximum heat dispersion, considerably decreasing running temperatures.
- Strong transverse rigidity offers high resistance to distortion of the belt in the pulley. This results in even load distribution and wear reduction.
- Uniform composition and thickness of the undercord ensure smooth and silent running.
- Combination of these construction features gives maximum speed adjustment.

Advantages

- Maximum range of speed changes.
- High load-carrying capacity.
- Smooth machine operation.
- Exceptionally long belt life.

| Reference | Special Gates sizes Inside length: mm | | | | | ISO R 1604 sizes Datum length: mm | | | | | | |
|----------------|--|------------|-------------|-------------|-------------|--------------------------------------|------------|-------------|-------------|-------------|------|------|
| | 13 | 23 | 28 | 37 | 47 | W16 | W20 | W25 | W31.5 | W40 | W50 | W63 |
| Top width (mm) | 13 | 23 | 28 | 37 | 47 | 17 | 21 | 26 | 33 | 42 | 52 | 65 |
| Thickness (mm) | 6 | 8 | 9 | 10 | 13 | 6 | 7 | 8 | 10 | 13 | 16 | 20 |
| Angle | 26° | 26° | 26° | 28° | 28° | 24° | 26° | 26° | 26° | 28° | 28° | 30° |
| | 600 | 525 | 650 | 800 | 1000 | 630 | 630 | 710 | 900 | 1120 | 1400 | 1800 |
| | 700 | 600 | 700 | 850 | 1060 | 710 | 710 | 800 | 1000 | 1250 | 1600 | 2000 |
| | 800 | 650 | 750 | 900 | 1120 | 800 | 800 | 900 | 1120 | 1400 | 1800 | 2240 |
| | 900 | 700 | 800 | 950 | 1180 | 900 | 900 | 1000 | 1250 | 1600 | 2000 | 2500 |
| | | 750 | 850 | 1000 | 1250 | 1000 | 1000 | 1120 | 1400 | 1700 | 2240 | 2800 |
| | | 800 | 900 | 1060 | 1320 | | 1120 | 1250 | 1600 | 1800 | 2500 | 3150 |
| | | 850 | 950 | 1120 | 1400 | | 1250 | 1400 | 1800 | 2000 | 2800 | |
| | | 900 | 1000 | 1180 | 1500 | | | 1600 | 2000 | 2240 | 3150 | |
| | | 950 | 1060 | 1250 | 1600 | | | | | 2500 | | |
| | | 1000 | 1120 | 1320 | 1700 | | | | | | | |
| | | 1060 | 1180 | 1400 | 1800 | | | | | | | |
| | | 1120 | 1250 | 1500 | 2000 | | | | | | | |
| | | 1180 | 1320 | 1600 | 2240 | | | | | | | |
| | | 1250 | 1400 | 1700 | | | | | | | | |
| | | 1320 | 1500 | 1800 | | | | | | | | |
| | | 1400 | 1600 | 2000 | | | | | | | | |
| | | 1500 | | 2240 | | | | | | | | |

Multi-Speed™ ordering code is composed as follows:

W16-630

W16 - Standardised cross-section
630 - Datum length (mm)

23X8-600

23 - Standardised cross-section
X8 - Thickness (mm)
600 - Inside length (mm)

Dimensions in bold are available from stock.



V-BELTS FOR COMPACT DRIVES

POLYFLEX® JB™

Polyurethane multiple V-belt

Polyflex® JB™ is synonymous with high power density in small spaces. Developed by Gates and produced to patented manufacturing processes, Gates Polyflex® JB™ belts provide more load-carrying capacity at higher speeds to small precision multiple V-belt drives. This results in significant cost savings and improved design freedom. Polyflex® JB™ belts are recommended for use on bench type milling machines, lathe drives, woodworking and metalworking machine spindle drives, computer peripheral equipment, small blowers, etc. They are available in 3M-JB, 5M-JB, 7M-JB and 11M-JB sections.



Identification

Durable marking indicating type and dimension.

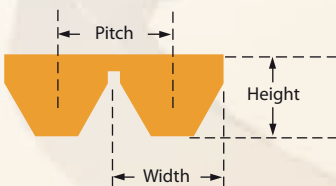
Construction

- Joined belt construction improves stability.
- Ribs relieve bending stress on small pulleys and provide lateral rigidity.
- 60° angle provides more undercord support to the tensile section and distributes the load more evenly.
- Small cross-section meets special application needs such as high shaft speeds, small drive package size and smooth running requirements.
- High modulus polyurethane compound with a high friction coefficient.
- The precise casting method eliminates overlaps and layers.
- Excellent adhesion of tensile cords and polyurethane compound leads to high fatigue resistance and long belt life.
- Extra toughness. The polyurethane compound resists fatigue, wear and ozone.

Advantages

- Long belt life on small pulleys and compact drives.
- Greater shaft speeds, up to 30,000 rpm.
- High performance and smooth running for precision applications.
- Cost savings and design freedom.
- Avoids vibrations when subjected to shock loads.
- Temperature ranges from -54°C up to +85°C.

Sections and nominal dimensions



| | Pitch mm | Width mm | Height mm |
|---------------|-------------|-------------|--------------|
| 3M-JB | 3.35 | 3 | 2.28 |
| 5M-JB | 5.30 | 5 | 3.30 |
| 7M-JB | 8.50 | 7 | 5.33 |
| 11M-JB | 13.20 | 11 | 7.06 |

| | Standard number of ribs | | | |
|---------------|-------------------------|---|---|---|
| | 2 | 3 | 4 | 5 |
| 3M-JB | x | x | | |
| 5M-JB | x | x | x | x |
| 7M-JB | x | x | x | x |
| 11M-JB | x | x | | |

NOTE
Other number of ribs available on request.
For detailed info, please contact your Gates representative.



| 3M-JB | | 5M-JB | | 7M-JB | | 11M-JB | |
|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| Description | Effective length | Description | Effective length | Description | Effective length | Description | Effective length |
| | mm | | mm | | mm | | mm |
| 3M175JB | 175 | 5M280JB | 280 | 7M500JB | 490 | 11M710JB | 692 |
| 3M180JB | 180 | 5M290JB | 290 | 7M515JB | 505 | 11M730JB | 712 |
| 3M185JB | 185 | 5M300JB | 300 | 7M530JB | 520 | 11M750JB | 732 |
| 3M190JB | 190 | 5M307JB | 307 | 7M545JB | 535 | 11M775JB | 757 |
| 3M195JB | 195 | 5M315JB | 315 | 7M560JB | 550 | 11M800JB | 782 |
| 3M200JB | 200 | 5M325JB | 325 | 7M580JB | 570 | 11M825JB | 807 |
| 3M206JB | 206 | 5M335JB | 335 | 7M600JB | 590 | 11M850JB | 832 |
| 3M212JB | 212 | 5M345JB | 345 | 7M615JB | 605 | 11M875JB | 857 |
| 3M218JB | 218 | 5M355JB | 355 | 7M630JB | 620 | 11M900JB | 882 |
| 3M224JB | 224 | 5M365JB | 365 | 7M650JB | 640 | 11M925JB | 907 |
| 3M230JB | 230 | 5M375JB | 375 | 7M670JB | 660 | 11M950JB | 932 |
| 3M236JB | 236 | 5M387JB | 387 | 7M690JB | 680 | 11M975JB | 957 |
| 3M243JB | 243 | 5M400JB | 400 | 7M710JB | 703 | 11M1000JB | 982 |
| 3M250JB | 250 | 5M412JB | 412 | 7M730JB | 723 | 11M1030JB | 1012 |
| 3M258JB | 258 | 5M425JB | 425 | 7M750JB | 743 | 11M1060JB | 1042 |
| 3M265JB | 265 | 5M437JB | 437 | 7M775JB | 768 | 11M1090JB | 1072 |
| 3M272JB | 272 | 5M450JB | 450 | 7M800JB | 793 | 11M1120JB | 1102 |
| 3M280JB | 280 | 5M462JB | 462 | 7M825JB | 818 | 11M1150JB | 1132 |
| 3M290JB | 290 | 5M475JB | 475 | 7M850JB | 843 | 11M1180JB | 1162 |
| 3M300JB | 300 | 5M487JB | 487 | 7M875JB | 868 | 11M1220JB | 1202 |
| 3M307JB | 307 | 5M500JB | 500 | 7M900JB | 893 | 11M1250JB | 1232 |
| 3M315JB | 315 | 5M515JB | 515 | 7M925JB | 918 | 11M1280JB | 1262 |
| 3M319JB | 319 | 5M530JB | 530 | 7M950JB | 943 | 11M1320JB | 1302 |
| 3M325JB | 325 | 5M545JB | 545 | 7M975JB | 968 | 11M1360JB | 1342 |
| 3M335JB | 335 | 5M560JB | 560 | 7M1000JB | 993 | 11M1400JB | 1382 |
| 3M345JB | 345 | 5M580JB | 580 | 7M1030JB | 1023 | 11M1450JB | 1432 |
| 3M350JB | 350 | 5M600JB | 600 | 7M1060JB | 1053 | 11M1500JB | 1482 |
| 3M355JB | 355 | 5M615JB | 615 | 7M1090JB | 1083 | 11M1550JB | 1532 |
| 3M365JB | 365 | 5M630JB | 630 | 7M1120JB | 1113 | 11M1600JB | 1582 |
| 3M375JB | 375 | 5M650JB | 650 | 7M1150JB | 1143 | 11M1650JB | 1632 |
| 3M387JB | 387 | 5M670JB | 670 | 7M1180JB | 1173 | 11M1700JB | 1682 |
| 3M400JB | 400 | 5M690JB | 690 | 7M1220JB | 1213 | 11M1750JB | 1732 |
| 3M406JB | 406 | 5M710JB | 710 | 7M1250JB | 1243 | 11M1800JB | 1782 |
| 3M412JB | 412 | 5M730JB | 730 | 7M1280JB | 1273 | 11M1850JB | 1832 |
| 3M425JB | 425 | 5M750JB | 750 | 7M1320JB | 1313 | 11M1900JB | 1882 |
| 3M437JB | 437 | 5M775JB | 775 | 7M1360JB | 1353 | 11M1950JB | 1932 |
| 3M450JB | 450 | 5M800JB | 800 | 7M1400JB | 1393 | 11M2000JB | 1982 |
| 3M462JB | 462 | 5M825JB | 825 | 7M1450JB | 1443 | 11M2060JB | 2042 |
| 3M475JB | 475 | 5M850JB | 850 | 7M1500JB | 1493 | 11M2120JB | 2102 |
| 3M487JB | 487 | 5M875JB | 875 | 7M1550JB | 1543 | 11M2180JB | 2162 |
| 3M500JB | 500 | 5M900JB | 900 | 7M1600JB | 1593 | 11M2240JB | 2222 |
| 3M515JB | 515 | 5M925JB | 925 | 7M1650JB | 1643 | 11M2300JB | 2282 |
| 3M530JB | 530 | 5M950JB | 950 | 7M1700JB | 1693 | | |
| 3M545JB | 545 | 5M975JB | 975 | 7M1750JB | 1743 | | |
| 3M553JB | 553 | 5M1000JB | 1000 | 7M1800JB | 1793 | | |
| 3M560JB | 560 | 5M1030JB | 1030 | 7M1850JB | 1843 | | |
| 3M580JB | 580 | 5M1060JB | 1060 | 7M1900JB | 1893 | | |
| 3M600JB | 600 | 5M1090JB | 1090 | 7M1950JB | 1943 | | |
| 3M615JB | 615 | 5M1120JB | 1120 | 7M2000JB | 1993 | | |
| 3M630JB | 630 | 5M1150JB | 1150 | 7M2060JB | 2053 | | |
| 3M650JB | 650 | 5M1180JB | 1180 | 7M2120JB | 2113 | | |
| 3M670JB | 670 | 5M1220JB | 1220 | 7M2180JB | 2173 | | |
| 3M690JB | 690 | 5M1250JB | 1250 | 7M2240JB | 2233 | | |
| 3M710JB | 710 | 5M1280JB | 1280 | 7M2300JB | 2293 | | |
| 3M730JB | 730 | 5M1320JB | 1320 | | | | |
| 3M750JB | 750 | 5M1360JB | 1360 | | | | |
| | | 5M1400JB | 1400 | | | | |
| | | 5M1450JB | 1450 | | | | |
| | | 5M1500JB | 1500 | | | | |

Polyflex® JB™ ordering code is composed as follows:

5M280/3

- 5M** - Rib width (5 mm)
- 280** - Effective length (mm)
- 3** - Number of ribs (joined belt)

Please refer to the Gates Price List for specifics on stock availability.

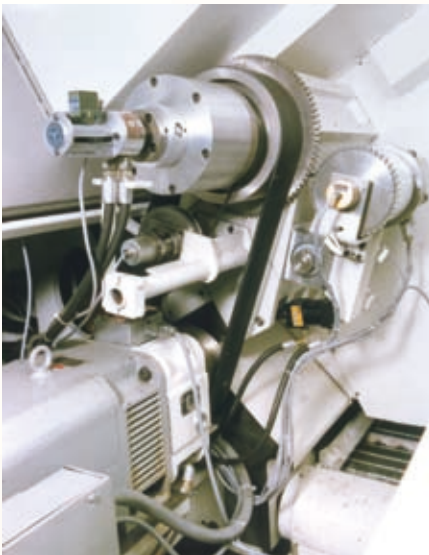
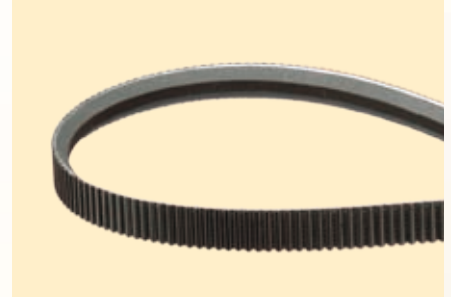


V-BELTS FOR COMPACT DRIVES

POLYFLEX®

Polyurethane V-belt

This compact and strong belt with nominal top width from 3 mm to 11 mm transmits more power and allows high speed ratios. Polyflex® is suited for extremely small diameter pulleys and very compact drives with high rotational speeds. Ideal for use on machines and machine tools requiring high performance and smooth operation in limited space such as bench type milling machines, lathe drives, woodworking and metalworking machine spindle drives, computer peripheral equipment, small blowers, etc.



Identification

Durable marking indicating type and dimension.

Construction

- Polyurethane compound, superior to conventional belt materials, offers high fatigue and wear resistance and a high friction coefficient. It also improves adhesion to the tensile cords.
- Polyurethane is extremely resistant to heat, chemicals and oil.
- Uniformity throughout Polyflex® is ensured because the polyurethane compound is not layered but cast as a single unit after the positioning of the tensile cords in the mould.
- Ribbed top provides lateral rigidity without increasing bending stresses. The ribs also help to keep Polyflex® belts running cool.
- 60° angle results in better support of the tensile section, and provides a more even load distribution.

Advantages

- Design freedom and space savings which are not possible with conventional rubber construction belts.
- Low maintenance cost as belt needs less re-tensioning.
- Long belt life on compact drives.
- Temperature ranges from -54°C up to +85°C.

Sections and nominal dimensions



| | Width mm | Height mm |
|------------|-------------|--------------|
| 3M | 3 | 2.28 |
| 5M | 5 | 3.30 |
| 7M | 7 | 5.33 |
| 11M | 11 | 6.85 |



| 3M | | 5M | | 7M | | 11M | |
|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| Description | Effective length | Description | Effective length | Description | Effective length | Description | Effective length |
| | mm | | mm | | mm | | mm |
| 3M180 | 180 | 5M280 | 280 | 7M500 | 500 | 11M710 | 710 |
| 3M185 | 185 | 5M290 | 290 | 7M515 | 515 | 11M730 | 730 |
| 3M190 | 190 | 5M300 | 300 | 7M530 | 530 | 11M750 | 750 |
| 3M195 | 195 | 5M307 | 307 | 7M545 | 545 | 11M775 | 775 |
| 3M200 | 200 | 5M315 | 315 | 7M560 | 560 | 11M800 | 800 |
| 3M206 | 206 | 5M325 | 325 | 7M580 | 580 | 11M825 | 825 |
| 3M212 | 212 | 5M335 | 335 | 7M600 | 600 | 11M850 | 850 |
| 3M218 | 218 | 5M345 | 345 | 7M615 | 615 | 11M875 | 875 |
| 3M224 | 224 | 5M355 | 355 | 7M630 | 630 | 11M900 | 900 |
| 3M230 | 230 | 5M365 | 365 | 7M650 | 650 | 11M925 | 925 |
| 3M236 | 236 | 5M375 | 375 | 7M670 | 670 | 11M950 | 950 |
| 3M243 | 243 | 5M387 | 387 | 7M690 | 690 | 11M975 | 975 |
| 3M250 | 250 | 5M400 | 400 | 7M710 | 710 | 11M1000 | 1000 |
| 3M258 | 258 | 5M412 | 412 | 7M730 | 730 | 11M1030 | 1030 |
| 3M265 | 265 | 5M425 | 425 | 7M750 | 750 | 11M1060 | 1060 |
| 3M272 | 272 | 5M437 | 437 | 7M775 | 775 | 11M1090 | 1090 |
| 3M280 | 280 | 5M450 | 450 | 7M800 | 800 | 11M1120 | 1120 |
| 3M290 | 290 | 5M462 | 462 | 7M825 | 825 | 11M1150 | 1150 |
| 3M300 | 300 | 5M475 | 475 | 7M850 | 850 | 11M1180 | 1180 |
| 3M307 | 307 | 5M487 | 487 | 7M875 | 875 | 11M1220 | 1220 |
| 3M315 | 315 | 5M500 | 500 | 7M900 | 900 | 11M1250 | 1250 |
| 3M325 | 325 | 5M515 | 515 | 7M925 | 925 | 11M1280 | 1280 |
| 3M335 | 335 | 5M530 | 530 | 7M950 | 950 | 11M1320 | 1320 |
| 3M345 | 345 | 5M545 | 545 | 7M975 | 975 | 11M1360 | 1360 |
| 3M355 | 355 | 5M560 | 560 | 7M1000 | 1000 | 11M1400 | 1400 |
| 3M365 | 365 | 5M580 | 580 | 7M1030 | 1030 | 11M1450 | 1450 |
| 3M375 | 375 | 5M600 | 600 | 7M1060 | 1060 | 11M1500 | 1500 |
| 3M387 | 387 | 5M615 | 615 | 7M1090 | 1090 | 11M1550 | 1550 |
| 3M400 | 400 | 5M630 | 630 | 7M1120 | 1120 | 11M1600 | 1600 |
| 3M412 | 412 | 5M650 | 650 | 7M1150 | 1150 | 11M1650 | 1650 |
| 3M425 | 425 | 5M670 | 670 | 7M1180 | 1180 | 11M1700 | 1700 |
| 3M437 | 437 | 5M690 | 690 | 7M1220 | 1220 | 11M1750 | 1750 |
| 3M450 | 450 | 5M710 | 710 | 7M1250 | 1250 | 11M1800 | 1800 |
| 3M462 | 462 | 5M730 | 730 | 7M1280 | 1280 | 11M1850 | 1850 |
| 3M475 | 475 | 5M750 | 750 | 7M1320 | 1320 | 11M1900 | 1900 |
| 3M487 | 487 | 5M775 | 775 | 7M1360 | 1360 | 11M1950 | 1950 |
| 3M500 | 500 | 5M800 | 800 | 7M1400 | 1400 | 11M2000 | 2000 |
| 3M515 | 515 | 5M825 | 825 | 7M1450 | 1450 | 11M2060 | 2060 |
| 3M530 | 530 | 5M850 | 850 | 7M1500 | 1500 | 11M2120 | 2120 |
| 3M545 | 545 | 5M875 | 875 | 7M1550 | 1550 | 11M2180 | 2180 |
| 3M560 | 560 | 5M900 | 900 | 7M1600 | 1600 | 11M2240 | 2240 |
| 3M580 | 580 | 5M925 | 925 | 7M1650 | 1650 | 11M2300 | 2300 |
| 3M600 | 600 | 5M950 | 950 | 7M1700 | 1700 | | |
| 3M615 | 615 | 5M975 | 975 | 7M1750 | 1750 | | |
| 3M630 | 630 | 5M1000 | 1000 | 7M1800 | 1800 | | |
| 3M650 | 650 | 5M1030 | 1030 | 7M1850 | 1850 | | |
| 3M670 | 670 | 5M1060 | 1060 | 7M1900 | 1900 | | |
| 3M690 | 690 | 5M1090 | 1090 | 7M1950 | 1950 | | |
| 3M710 | 710 | 5M1120 | 1120 | 7M2000 | 2000 | | |
| 3M730 | 730 | 5M1150 | 1150 | 7M2060 | 2060 | | |
| 3M750 | 750 | 5M1180 | 1180 | 7M2120 | 2120 | | |
| | | 5M1220 | 1220 | 7M2180 | 2180 | | |
| | | 5M1250 | 1250 | 7M2240 | 2240 | | |
| | | 5M1280 | 1280 | 7M2300 | 2300 | | |
| | | 5M1320 | 1320 | | | | |
| | | 5M1360 | 1360 | | | | |
| | | 5M1400 | 1400 | | | | |
| | | 5M1450 | 1450 | | | | |
| | | 5M1500 | 1500 | | | | |
| | | 5M1600 | 1600 | | | | |
| | | 5M1650 | 1650 | | | | |
| | | 5M1850 | 1850 | | | | |

Polyflex® ordering code is composed as follows:

3M600

3M - Rib width 3 mm

600 - Effective length (mm)

All dimensions are available from stock.

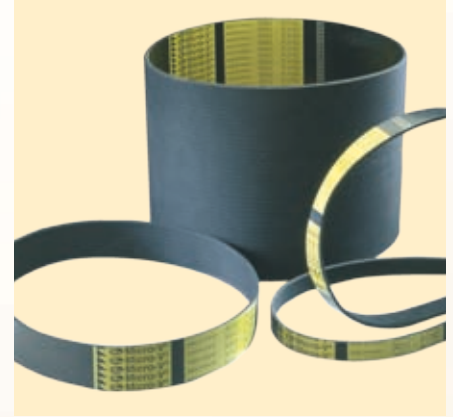


HEAVY-DUTY V-BELTS

MICRO-V®

Multi-ribbed V-belt

Gates Micro-V® multi-ribbed belts ensure outstanding performance on any industrial multi-ribbed drive. They cover a multitude of industrial applications and are suitable for industrial drives in washing machines, textile machines, vacuum cleaners, lawn mowers, machine tools, medical equipment and many more. The full line of Micro-V® belt products includes slabs in several widths as well as single belts in PJ, PL and PM sections in order to perfectly match customer requirements. Both slabs and belts can be manufactured in a great variety of number of ribs.



Identification

Durable yellow marking indicating type and dimension.

Construction

- Truncated ribs ensure flexibility, reduce heat build-up and improve rib crack resistance. They also enhance load-carrying capacity on small diameter pulleys.
- High modulus, low stretch polyester tensile member provides superior resistance to fatigue and shock loads.
- All elastomeric rubber compound provides oil and heat resistance.
- Specially formulated fibre reinforced undercord stock improves belt stability.

Advantages

- Extremely smooth and cool running.
- Very high power capacity per rib.
- Long life due to extra load-carrying capacity.
- Improved performance on back idlers.
- Smaller drive package.
- Tolerant of pulley groove debris.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Sections and nominal dimensions



| | Pitch mm | Height mm |
|----|-------------|--------------|
| PJ | 2.34 | 3.5 |
| PL | 4.70 | 9.5 |
| PM | 9.40 | 16.5 |
| PK | 3.56 | 4.45 |

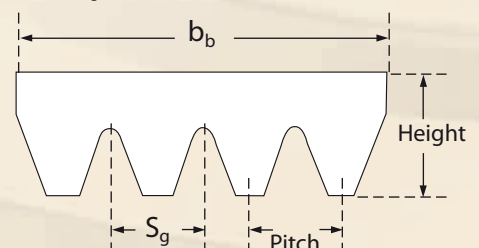
Micro-V® belts are available in PJ, PL and PM cross-sections. The figure below shows a cross-sectional view illustrating the nominal belt dimensions — rib width and belt height. All these belts will operate in standard pulleys provided the pulleys are manufactured to the DIN 7867 or ISO 9982 standard for the specific cross-section.

Nominal top width:

$$b_b = N_r \times S_g$$

Where: N_r = number of ribs

S_g = pulley groove spacing





| PJ | | |
|-------------|------------------|------------|
| Description | Effective length | |
| DIN 7867 | RMA | mm DIN/ISO |
| PJ406 | 160 J | 406 |
| PJ432 | 170 J | 432 |
| PJ457 | 180 J | 457 |
| PJ483 | 190 J | 483 |
| PJ508 | 200 J | 508 |
| PJ559 | 220 J | 559 |
| PJ584 | 230 J | 584 |
| PJ610 | 240 J | 610 |
| PJ660 | 260 J | 660 |
| PJ711 | 280 J | 711 |
| PJ723 | 285 J | 723 |
| PJ737 | 290 J | 737 |
| PJ762 | 300 J | 762 |
| PJ813 | 320 J | 813 |
| PJ838 | 330 J | 838 |
| PJ864 | 340 J | 864 |
| PJ914 | 360 J | 914 |
| PJ955 | 376 J | 955 |
| PJ965 | 380 J | 965 |
| PJ1016 | 400 J | 1016 |
| PJ1041 | 410 J | 1041 |
| PJ1067 | 420 J | 1067 |
| PJ1092 | 430 J | 1092 |
| PJ1105 | 435 J | 1105 |
| PJ1110 | 437 J | 1110 |
| PJ1118 | 440 J | 1118 |
| PJ1123 | 442 J | 1123 |
| PJ1130 | 445 J | 1130 |
| PJ1136 | 447 J | 1136 |
| PJ1150 | 453 J | 1150 |
| PJ1168 | 460 J | 1168 |
| PJ1194 | 470 J | 1194 |
| PJ1200 | 473 J | 1200 |
| PJ1222 | 480 J | 1222 |
| PJ1233 | 485 J | 1233 |
| PJ1244 | 490 J | 1244 |
| PJ1262 | 497 J | 1262 |
| PJ1270 | 500 J | 1270 |
| PJ1280 | 504 J | 1280 |
| PJ1300 | 512 J | 1300 |
| PJ1309 | 515 J | 1309 |
| PJ1321 | 520 J | 1321 |
| PJ1333 | 525 J | 1333 |
| PJ1355 | 534 J | 1355 |
| PJ1371 | 540 J | 1371 |
| PJ1397 | 550 J | 1397 |
| PJ1428 | 562 J | 1428 |
| PJ1439 | 567 J | 1439 |
| PJ1473 | 580 J | 1473 |
| PJ1549 | 610 J | 1549 |
| PJ1600 | 630 J | 1600 |
| PJ1651 | 650 J | 1651 |
| PJ1663 | 655 J | 1663 |
| PJ1752 | 690 J | 1752 |
| PJ1854 | 730 J | 1854 |
| PJ1895 | 746 J | 1895 |
| PJ1910 | 752 J | 1910 |
| PJ1930 | 760 J | 1930 |
| PJ1956 | 770 J | 1956 |
| PJ1981 | 780 J | 1981 |
| PJ1992 | 784 J | 1992 |
| PJ2083 | 820 J | 2083 |
| PJ2210 | 870 J | 2210 |
| PJ2337 | 920 J | 2337 |
| PJ2489 | 980 J | 2489 |

| PL | | |
|-------------|------------------|------------|
| Description | Effective length | |
| DIN 7867 | RMA | mm DIN/ISO |
| PL954 | 375 L | 954 |
| PL991 | 390 L | 991 |
| PL1075 | 423 L | 1075 |
| PL1270 | 500 L | 1270 |
| PL1333 | 525 L | 1333 |
| PL1371 | 540 L | 1371 |
| PL1397 | 550 L | 1397 |
| PL1422 | 560 L | 1422 |
| PL1562 | 615 L | 1562 |
| PL1613 | 635 L | 1613 |
| PL1664 | 655 L | 1664 |
| PL1715 | 675 L | 1715 |
| PL1765 | 695 L | 1765 |
| PL1803 | 710 L | 1803 |
| PL1842 | 725 L | 1842 |
| PL1943 | 765 L | 1943 |
| PL1981 | 780 L | 1981 |
| PL2019 | 795 L | 2019 |
| PL2070 | 815 L | 2070 |
| PL2096 | 825 L | 2096 |
| PL2134 | 840 L | 2134 |
| PL2197 | 865 L | 2197 |
| PL2235 | 880 L | 2235 |
| PL2324 | 915 L | 2324 |
| PL2362 | 930 L | 2362 |
| PL2476 | 975 L | 2476 |
| PL2515 | 990 L | 2515 |
| PL2705 | 1065 L | 2705 |
| PL2743 | 1080 L | 2743 |
| PL2845 | 1120 L | 2845 |
| PL2896 | 1140 L | 2895 |
| PL2921 | 1150 L | 2921 |
| PL2997 | 1180 L | 2997 |
| PL3086 | 1215 L | 3086 |
| PL3125 | 1230 L | 3125 |
| PL3289 | 1295 L | 3289 |
| PL3327 | 1310 L | 3327 |
| PL3493 | 1375 L | 3493 |
| PL3696 | 1455 L | 3696 |

| PM | | |
|-------------|------------------|------------|
| Description | Effective length | |
| DIN 7867 | RMA | mm DIN/ISO |
| PM2286 | 900 M | 2286 |
| PM2388 | 940 M | 2388 |
| PM2515 | 990 M | 2515 |
| PM2693 | 1060 M | 2693 |
| PM2832 | 1115 M | 2832 |
| PM2921 | 1150 M | 2921 |
| PM3010 | 1185 M | 3010 |
| PM3124 | 1230 M | 3124 |
| PM3327 | 1310 M | 3327 |
| PM3531 | 1390 M | 3531 |
| PM3734 | 1470 M | 3734 |
| PM4089 | 1610 M | 4089 |
| PM4191 | 1650 M | 4191 |
| PM4470 | 1760 M | 4470 |
| PM4648 | 1830 M | 4648 |
| PM5029 | 1980 M | 5029 |
| PM5410 | 2130 M | 5410 |
| PM6121 | 2410 M | 6121 |
| PM6502 | 2560 M | 6502 |
| PM6883 | 2710 M | 6883 |
| PM7646 | 3010 M | 7646 |
| PM8408 | 3310 M | 8408 |
| PM9169 | 3610 M | 9169 |
| PM9931 | 3910 M | 9931 |

PK

| Description | Effective length | Slab width |
|-------------|------------------|------------|
| DIN 7867 | mm DIN/ISO | (ribs) |
| PK630 | 630 | 308 (4x77) |
| PK650 | 650 | 308 (4x77) |
| PK675 | 675 | 308 (4x77) |
| PK698 | 698 | 308 (4x77) |
| PK700 | 700 | 308 (4x77) |
| PK730 | 730 | 308 (4x77) |
| PK755 | 755 | 308 (4x77) |
| PK775 | 775 | 308 (4x77) |
| PK800 | 800 | 308 (4x77) |
| PK830 | 830 | 308 (4x77) |
| PK845 | 845 | 308 (4x77) |
| PK870 | 870 | 308 (4x77) |
| PK875 | 875 | 308 (4x77) |
| PK885 | 885 | 308 (4x77) |
| PK890 | 890 | 308 (4x77) |
| PK920 | 920 | 308 (4x77) |
| PK925 | 925 | 308 (4x77) |
| PK950 | 950 | 308 (4x77) |
| PK954 | 954 | 308 (4x77) |
| PK970 | 970 | 308 (4x77) |
| PK1000 | 1000 | 308 (4x77) |
| PK1015 | 1015 | 308 (4x77) |
| PK1035 | 1035 | 308 (4x77) |
| PK1060 | 1060 | 308 (4x77) |
| PK1080 | 1080 | 308 (4x77) |
| PK1090 | 1090 | 308 (4x77) |
| PK1125 | 1125 | 308 (4x77) |
| PK1145 | 1145 | 308 (4x77) |
| PK1150 | 1150 | 308 (4x77) |
| PK1165 | 1165 | 308 (4x77) |
| PK1190 | 1190 | 308 (4x77) |
| PK1200 | 1200 | 308 (4x77) |
| PK1222 | 1222 | 308 (4x77) |
| PK1230 | 1230 | 308 (4x77) |
| PK1245 | 1245 | 308 (4x77) |
| PK1270 | 1270 | 308 (4x77) |
| PK1300 | 1300 | 308 (4x77) |
| PK1330 | 1330 | 308 (4x77) |
| PK1335 | 1335 | 308 (4x77) |
| PK1345 | 1345 | 308 (4x77) |
| PK1385 | 1385 | 308 (4x77) |
| PK1420 | 1420 | 308 (4x77) |
| PK1460 | 1460 | 308 (4x77) |
| PK1490 | 1490 | 308 (4x77) |
| PK1520 | 1520 | 308 (4x77) |
| PK1555 | 1555 | 308 (4x77) |
| PK1560 | 1560 | 308 (4x77) |
| PK1570 | 1570 | 308 (4x77) |
| PK1610 | 1610 | 308 (4x77) |
| PK1655 | 1655 | 308 (4x77) |
| PK1690 | 1690 | 308 (4x77) |
| PK1700 | 1700 | 308 (4x77) |
| PK1725 | 1725 | 308 (4x77) |
| PK1755 | 1755 | 308 (4x77) |
| PK1800 | 1800 | 264 (4x66) |
| PK1860 | 1860 | 264 (4x66) |
| PK1885 | 1885 | 264 (4x66) |
| PK1890 | 1890 | 264 (4x66) |
| PK1900 | 1900 | 264 (4x66) |
| PK1980 | 1980 | 264 (4x66) |
| PK2050 | 2050 | 264 (4x66) |
| PK2080 | 2080 | 264 (4x66) |
| PK2120 | 2120 | 264 (4x66) |
| PK2145 | 2145 | 264 (4x66) |
| PK2235 | 2235 | 264 (4x66) |
| PK2280 | 2280 | 264 (4x66) |
| PK2330 | 2330 | 264 (4x66) |
| PK2490 | 2490 | 264 (4x66) |

**Micro-V® ordering code
is composed as follows:**

PM2286/30

PM - Section
2286 - Effective length (mm)
30 - Slab width (ribs)

Dimensions in bold are available from stock.



SYNCHRONOUS BELTS FOR UNMATCHED POWER CAPACITY

POLY CHAIN® GT CARBON™

Polyurethane synchronous belt with patented carbon tensile cords



Through providing you with precise drive solutions of unsurpassed quality and leading edge technology Gates brings you the ultimate in synchronous drive systems. 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 providing a maintenance-free, energy saving and environmentally friendly operation offering an excellent alternative to roller chain and gear drives.



Identification

Three part number on the back of the belt indicating pitch code, pitch length and width. Belt inside colour is blue.

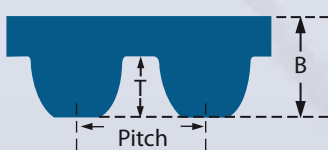
Construction

- The basic belt consists of a newly developed tough, lightweight polyurethane compound which is chemically resistant and ensures optimum adhesion with the carbon tensile cords.
- The carbon fibre reinforcement provides high strength and length stability with improved shock load and fatigue resistance, while reducing stretch and increasing flexibility.
- The facing is a nylon fabric that acts as a wear resistant surface, protecting the teeth. It also helps keep frictional losses to a minimum.
- The special modified curvilinear tooth profile improves stress distribution and allows higher overall loading.

Advantages

- Extraordinary power capacity: at least 25% higher power ratings than Poly Chain® GT2 belts.
- Clean, quiet, compact, durable, maintenance-free, energy saving and environmentally friendly operation.
- Virtual constant belt tension over belt life.
- Ability to use back idlers.
- Designed to fit with current Poly Chain® GT pulleys.
- Suitable for temperatures from -54°C to +85°C.
- Wide application range: industrial equipment (mining, construction, food and beverage, wood, paper, pulp, textile), conveying equipment, lifting and handling equipment, agricultural and forestry equipment, machine tools, motorcycle rear wheel drives, bicycle drives ... and many more.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|--------------|-------------|---------|---------|
| 8MGT | 8.0 | 3.4 | 5.9 |
| 14MGT | 14.0 | 6.0 | 10.2 |



| 8MGT | | |
|-------------|--------------------|-----------------------|
| Pitch: 8 mm | | |
| Description | Pitch length mm | Number of teeth |
| 8MGTC-640 | 640 | 80 |
| 8MGTC-720 | 720 | 90 |
| 8MGTC-800 | 800 | 100 |
| 8MGTC-896 | 896 | 112 |
| 8MGTC-960 | 960 | 120 |
| 8MGTC-1000 | 1000 | 125 |
| 8MGTC-1040 | 1040 | 130 |
| 8MGTC-1120 | 1120 | 140 |
| 8MGTC-1200 | 1200 | 150 |
| 8MGTC-1224 | 1224 | 153 |
| 8MGTC-1280 | 1280 | 160 |
| 8MGTC-1440 | 1440 | 180 |
| 8MGTC-1600 | 1600 | 200 |
| 8MGTC-1760 | 1760 | 220 |
| 8MGTC-1792 | 1792 | 224 |
| 8MGTC-2000 | 2000 | 250 |
| 8MGTC-2200 | 2200 | 275 |
| 8MGTC-2240 | 2240 | 280 |
| 8MGTC-2400 | 2400 | 300 |
| 8MGTC-2520 | 2520 | 315 |
| 8MGTC-2600 | 2600 | 325 |
| 8MGTC-2800 | 2800 | 350 |
| 8MGTC-2840 | 2840 | 355 |
| 8MGTC-3048 | 3048 | 381 |
| 8MGTC-3200 | 3200 | 400 |
| 8MGTC-3280 | 3280 | 410 |
| 8MGTC-3600 | 3600 | 450 |
| 8MGTC-4000 | 4000 | 500 |
| 8MGTC-4400 | 4400 | 550 |
| 8MGTC-4480 | 4480 | 560 |

Available in widths of 12 mm, 21 mm, 36 mm and 62 mm.

| 14MGT | | |
|--------------|--------------------|-----------------------|
| Pitch: 14 mm | | |
| Description | Pitch length mm | Number of teeth |
| 14MGTC-994 | 994 | 71 |
| 14MGTC-1120 | 1120 | 80 |
| 14MGTC-1190 | 1190 | 85 |
| 14MGTC-1260 | 1260 | 90 |
| 14MGTC-1400 | 1400 | 100 |
| 14MGTC-1568 | 1568 | 112 |
| 14MGTC-1610 | 1610 | 115 |
| 14MGTC-1750 | 1750 | 125 |
| 14MGTC-1890 | 1890 | 135 |
| 14MGTC-1960 | 1960 | 140 |
| 14MGTC-2100 | 2100 | 150 |
| 14MGTC-2240 | 2240 | 160 |
| 14MGTC-2310 | 2310 | 165 |
| 14MGTC-2380 | 2380 | 170 |
| 14MGTC-2450 | 2450 | 175 |
| 14MGTC-2520 | 2520 | 180 |
| 14MGTC-2590 | 2590 | 185 |
| 14MGTC-2660 | 2660 | 190 |
| 14MGTC-2800 | 2800 | 200 |
| 14MGTC-3136 | 3136 | 224 |
| 14MGTC-3304 | 3304 | 236 |
| 14MGTC-3360 | 3360 | 240 |
| 14MGTC-3500 | 3500 | 250 |
| 14MGTC-3850 | 3850 | 275 |
| 14MGTC-3920 | 3920 | 280 |
| 14MGTC-4326 | 4326 | 309 |
| 14MGTC-4410 | 4410 | 315 |

Available in widths of 20 mm, 37 mm, 68 mm, 90 mm and 125 mm.

Poly Chain® GT Carbon™ ordering code is composed as follows:

14MGTC-3360-37
14MGTC - Pitch 14 mm
3360 - Pitch length (mm)
37 - Belt width (mm)

All dimensions are available from stock.

COMPACT SYNCHRONOUS BELTS

MINI POLY CHAIN® GT CARBON™

Synchronous belt with 8 mm, GT tooth profile



This compact polyurethane synchronous belt opens up new opportunities in the design of conveyor drives and is an alternative to roller chains.

Poly Chain® GT Carbon™ does not require lubrication or tensioning and is characterised by low noise levels even at high transport speeds. The special construction is highly resistant to aggressive influences such as dust, oil and chemicals.

| 8M | | |
|-------------|--------------------|-----------------------|
| Pitch: 8 mm | | |
| Description | Pitch length mm | Number of teeth |
| 8MC-248 | 248 | 31 |
| 8MC-288 | 288 | 36 |
| 8MC-352 | 352 | 44 |
| 8MC-416 | 416 | 52 |
| 8MC-456 | 456 | 57 |
| 8MC-480 | 480 | 60 |
| 8MC-544 | 544 | 68 |
| 8MC-608 | 608 | 76 |

Available in widths of 11.2 mm, 21 mm, 36 mm and 62 mm.

Mini Poly Chain® GT ordering code is composed as follows:

8MC-352-11.2
8MC - Pitch 8 mm
352 - Pitch length (mm)
11.2 - Belt width (mm)

All dimensions are available from stock.



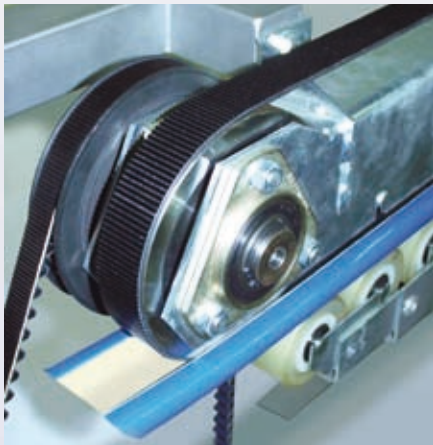
SYNCHRONOUS BELTS FOR EXTREMELY POWERFUL INDUSTRIAL DRIVES



POLY CHAIN® GT2

Polyurethane synchronous belt

Poly Chain® GT2 has been designed for optimum performance also on high torque, low speed drives in any industrial application. This lightweight belt features increased power ratings of up to 40% higher than previous constructions (Poly Chain® GT), while maintaining the same long service life. Poly Chain® GT2 operates on Poly Chain® GT pulleys. Its construction is based on innovative state-of-the-art design. The body and teeth of the belt are made of a unique polyurethane compound, making the belt tough and virtually immune to abrasion and chemical attack. Poly Chain® GT2 belts make an excellent alternative to roller chains, requiring neither re-tensioning nor lubrication. Space-saving, weight-saving and money-saving, Poly Chain® GT2 drives offer a long and reliable service life.



Identification

Three part number on the back of the belt indicating pitch code, pitch length and width.

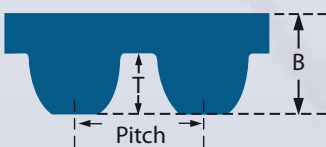
Construction

- Teeth and body are made of a lightweight polyurethane compound, specially blended for adhesion to the cords and fabric. This uniquely formulated polyurethane makes the belt tough and virtually immune to abrasion and chemicals.
- The aramid tensile cords provide extraordinary power-carrying capacity.
- Flex fatigue life of aramid is exceptional, and its high impact strength withstands shocks and surge loading.
- The fabric covering the teeth is highly resistant to oil, chemicals, pollutants, corrosion and abrasion. It is exceptionally durable and remains fully operational under extreme temperatures from -54°C up to +85°C.
- The fabric facing reduces friction with the pulley, thereby minimising temperature build-up.

Advantages

- Substantially increased power rating.
- High efficiency positive drive.
- Maintenance-free: no lubrication or re-tensioning needed.
- Savings in space, weight and money.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|--------------|-------------|---------|---------|
| 8MGT | 8.0 | 3.4 | 5.9 |
| 14MGT | 14.0 | 6.0 | 10.2 |

NOTE

For correct usage of the belt, please request Gates' Poly Chain® GT2 Drive Design Manual (E2/20109).



8MGT

Pitch: 8 mm

| Description | Pitch length mm | Number of teeth |
|-------------|--------------------|-----------------------|
| 8MGT-640 | 640 | 80 |
| 8MGT-720 | 720 | 90 |
| 8MGT-800 | 800 | 100 |
| 8MGT-896 | 896 | 112 |
| 8MGT-960 | 960 | 120 |
| 8MGT-1000 | 1000 | 125 |
| 8MGT-1040 | 1040 | 130 |
| 8MGT-1120 | 1120 | 140 |
| 8MGT-1200 | 1200 | 150 |
| 8MGT-1224 | 1224 | 153 |
| 8MGT-1280 | 1280 | 160 |
| 8MGT-1440 | 1440 | 180 |
| 8MGT-1600 | 1600 | 200 |
| 8MGT-1760 | 1760 | 220 |
| 8MGT-1792 | 1792 | 224 |
| 8MGT-2000 | 2000 | 250 |
| 8MGT-2200 | 2200 | 275 |
| 8MGT-2240 | 2240 | 280 |
| 8MGT-2400 | 2400 | 300 |
| 8MGT-2520 | 2520 | 315 |
| 8MGT-2600 | 2600 | 325 |
| 8MGT-2800 | 2800 | 350 |
| 8MGT-2840 | 2840 | 355 |
| 8MGT-3048 | 3048 | 381 |
| 8MGT-3200 | 3200 | 400 |
| 8MGT-3280 | 3280 | 410 |
| 8MGT-3600 | 3600 | 450 |
| 8MGT-4000 | 4000 | 500 |
| 8MGT-4400 | 4400 | 550 |
| 8MGT-4480 | 4480 | 560 |

Available in widths of 12 mm, 21 mm, 36 mm and 62 mm.

14MGT

Pitch: 14 mm

| Description | Pitch length mm | Number of teeth |
|-------------|--------------------|-----------------------|
| 14MGT-994 | 994 | 71 |
| 14MGT-1120 | 1120 | 80 |
| 14MGT-1190 | 1190 | 85 |
| 14MGT-1260 | 1260 | 90 |
| 14MGT-1400 | 1400 | 100 |
| 14MGT-1568 | 1568 | 112 |
| 14MGT-1610 | 1610 | 115 |
| 14MGT-1750 | 1750 | 125 |
| 14MGT-1890 | 1890 | 135 |
| 14MGT-1960 | 1960 | 140 |
| 14MGT-2100 | 2100 | 150 |
| 14MGT-2240 | 2240 | 160 |
| 14MGT-2310 | 2310 | 165 |
| 14MGT-2380 | 2380 | 170 |
| 14MGT-2450 | 2450 | 175 |
| 14MGT-2520 | 2520 | 180 |
| 14MGT-2590 | 2590 | 185 |
| 14MGT-2660 | 2660 | 190 |
| 14MGT-2800 | 2800 | 200 |
| 14MGT-3136 | 3136 | 224 |
| 14MGT-3304 | 3304 | 236 |
| 14MGT-3360 | 3360 | 240 |
| 14MGT-3500 | 3500 | 250 |
| 14MGT-3850 | 3850 | 275 |
| 14MGT-3920 | 3920 | 280 |
| 14MGT-4326 | 4326 | 309 |
| 14MGT-4410 | 4410 | 315 |

Available in widths of 20 mm, 37 mm, 68 mm, 90 mm and 125 mm.

Poly Chain® GT2 ordering code is composed as follows:

8MGT-640-12

8MGT - Pitch 8 mm
640 - Pitch length (mm)
12 - Belt width (mm)

All dimensions are available from stock.



SYNCHRONOUS BELTS FOR SUBSTANTIALLY INCREASED POWER RATING



POWERGRIP® GT3 8MGT & 14MGT

Rubber synchronous belt with optimised GT tooth profile

PowerGrip® GT3 is made of a highly advanced combination of materials. This new, technically advanced belt covers the widest range of industrial applications. The PowerGrip® GT3 synchronous belt transmits up to 30% more power than previous generation belts (PowerGrip® GT2). This entire belt range is suited both for new drive designs as for replacements on existing drives without any adaptation of the system. 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.



Identification

Three part number on the back of the belt indicating pitch, belt length and width.

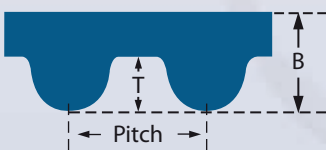
Construction

- Technically advanced compound with fibreglass tensile cord, elastomeric teeth and backing and nylon facing.
- Elastomeric backing protects the cords from environmental pollution and frictional wear.
- Helically wound tensile member gives enormous strength, flex life and elongation resistance.
- Low friction nylon facing protects the tooth surface against wear.
- Precision-formed and accurately spaced elastomeric teeth.
- Silicone-free and therefore suited for painting processes.

Advantages

- Substantially increased power ratings: up to 30% more than previous constructions.
- Reduced maintenance costs thanks to longer service life.
- Compact, light-weight and cost-effective drives.
- High tooth jump resistance.
- No lubrication needed.
- **Static conductive (ISO 9563)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.
- Used on HTD® type pulleys.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|--------------|-------------|---------|---------|
| 8MGT | 8.00 | 3.40 | 5.60 |
| 14MGT | 14.00 | 6.00 | 10.00 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



8MGT

Pitch: 8 mm

| Description | Pitch length mm | Number of teeth |
|-------------|--------------------|-----------------------|
| 384-8MGT3 | 384 | 48 |
| 480-8MGT3 | 480 | 60 |
| 560-8MGT3 | 560 | 70 |
| 600-8MGT3 | 600 | 75 |
| 640-8MGT3 | 640 | 80 |
| 720-8MGT3 | 720 | 90 |
| 800-8MGT3 | 800 | 100 |
| 840-8MGT3 | 840 | 105 |
| 880-8MGT3 | 880 | 110 |
| 920-8MGT3 | 920 | 115 |
| 960-8MGT3 | 960 | 120 |
| 1040-8MGT3 | 1040 | 130 |
| 1064-8MGT3 | 1064 | 133 |
| 1120-8MGT3 | 1120 | 140 |
| 1160-8MGT3 | 1160 | 145 |
| 1200-8MGT3 | 1200 | 150 |
| 1280-8MGT3 | 1280 | 160 |
| 1440-8MGT3 | 1440 | 180 |
| 1512-8MGT3 | 1512 | 189 |
| 1584-8MGT3 | 1584 | 198 |
| 1600-8MGT3 | 1600 | 200 |
| 1760-8MGT3 | 1760 | 220 |
| 1800-8MGT3 | 1800 | 225 |
| 2000-8MGT3 | 2000 | 250 |
| 2400-8MGT3 | 2400 | 300 |
| 2600-8MGT3 | 2600 | 325 |
| 2800-8MGT3 | 2800 | 350 |
| 3048-8MGT3 | 3048 | 381 |
| 3280-8MGT3 | 3280 | 410 |
| 3600-8MGT3 | 3600 | 450 |
| 4400-8MGT3 | 4400 | 550 |

Available in widths of 20 mm, 30 mm, 50 mm and 85 mm.

14MGT

Pitch: 14 mm

| Description | Pitch length mm | Number of teeth |
|-------------|--------------------|-----------------------|
| 966-14MGT3 | 966 | 69 |
| 1190-14MGT3 | 1190 | 85 |
| 1400-14MGT3 | 1400 | 100 |
| 1610-14MGT3 | 1610 | 115 |
| 1750-14MGT3 | 1750 | 125 |
| 1778-14MGT3 | 1778 | 127 |
| 1890-14MGT3 | 1890 | 135 |
| 2100-14MGT3 | 2100 | 150 |
| 2310-14MGT3 | 2310 | 165 |
| 2450-14MGT3 | 2450 | 175 |
| 2590-14MGT3 | 2590 | 185 |
| 2800-14MGT3 | 2800 | 200 |
| 3150-14MGT3 | 3150 | 225 |
| 3360-14MGT3 | 3360 | 240 |
| 3500-14MGT3 | 3500 | 250 |
| 3850-14MGT3 | 3850 | 275 |
| 4326-14MGT3 | 4326 | 309 |
| 4578-14MGT3 | 4578 | 327 |
| 4956-14MGT3 | 4956 | 354 |
| 5320-14MGT3 | 5320 | 380 |
| 5740-14MGT3 | 5740 | 410 |
| 6160-14MGT3 | 6160 | 440 |
| 6860-14MGT3 | 6860 | 490 |

Available in widths of 40 mm, 55 mm, 85 mm, 115 mm and 170 mm.

PowerGrip® GT3 ordering code is composed as follows:

384-8MGT3-20

384 - Pitch length (mm)

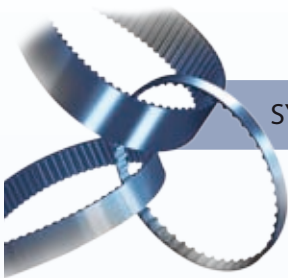
8MGT3 - Pitch 8 mm

20 - Belt width (mm)

All dimensions are available from stock.



SYNCHRONOUS BELTS FOR SUBSTANTIALLY INCREASED POWER RATING



POWERGRIP® GT3 2MGT, 3MGT & 5MGT

Rubber synchronous belt with optimised GT tooth profile

PowerGrip® GT3 is Gates' latest development in synchronous rubber belts. This new, technically advanced belt covers the widest range of industrial applications. The PowerGrip® GT3 synchronous belt transmits up to 30% more power than previous generation belts (PowerGrip® GT2). This entire belt range is suited both for new drive designs as for replacements on existing drives without any adaptation of the system. The 2MGT, 3MGT and 5MGT pitches are ideal for compact drives on hand tools, business machines, domestic appliances, high precision servomotor drives and multiaxis applications.



Identification

Three part number on the back of the belt indicating pitch, belt length and width.

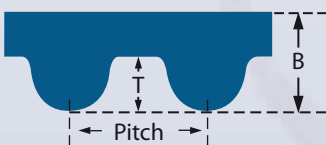
Construction

- Technically advanced compound with fibreglass tensile cord, elastomeric teeth and backing and nylon facing.
- Elastomeric backing protects the cords from environmental pollution and frictional wear.
- Helically wound tensile member gives enormous strength, flex life and elongation resistance.
- Low friction nylon facing protects the tooth surface against wear.
- Precision-formed and accurately spaced elastomeric teeth.
- 5MGT is silicone-free and therefore ideal for painting processes.
- Used on GT type pulleys.

Advantages

- Substantially increased power ratings: up to 30% more than previous constructions.
- Compact drives and less weight.
- Positioning accuracy.
- Improved tooth jump resistance.
- Reduced noise levels.
- Cost-effective, long-lasting and virtually maintenance-free.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|-------------|-------------|---------|---------|
| 2MGT | 2.00 | 0.71 | 1.52 |
| 3MGT | 3.00 | 1.12 | 2.41 |
| 5MGT | 5.00 | 1.92 | 3.81 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



2MGT

Pitch: 2 mm

| Description | Pitch length mm | Number of teeth | Description | Pitch length mm | Number of teeth |
|-------------|-----------------|-----------------|-------------|-----------------|-----------------|
| 74-2MGT3 | 74 | 37 | 318-2MGT3 | 318 | 159 |
| 76-2MGT3 | 76 | 38 | 320-2MGT3 | 320 | 160 |
| 80-2MGT3 | 80 | 40 | 322-2MGT3 | 322 | 161 |
| 90-2MGT3 | 90 | 45 | 330-2MGT3 | 330 | 165 |
| 100-2MGT3 | 100 | 50 | 332-2MGT3 | 332 | 166 |
| 112-2MGT3 | 112 | 56 | 336-2MGT3 | 336 | 168 |
| 124-2MGT3 | 124 | 62 | 342-2MGT3 | 342 | 171 |
| 130-2MGT3 | 130 | 65 | 356-2MGT3 | 356 | 178 |
| 132-2MGT3 | 132 | 66 | 364-2MGT3 | 364 | 182 |
| 134-2MGT3 | 134 | 67 | 370-2MGT3 | 370 | 185 |
| 140-2MGT3 | 140 | 70 | 380-2MGT3 | 380 | 190 |
| 142-2MGT3 | 142 | 71 | 386-2MGT3 | 386 | 193 |
| 152-2MGT3 | 152 | 76 | 392-2MGT3 | 392 | 196 |
| 158-2MGT3 | 158 | 79 | 400-2MGT3 | 400 | 200 |
| 164-2MGT3 | 164 | 82 | 406-2MGT3 | 406 | 203 |
| 168-2MGT3 | 168 | 84 | 412-2MGT3 | 412 | 206 |
| 172-2MGT3 | 172 | 86 | 420-2MGT3 | 420 | 210 |
| 178-2MGT3 | 178 | 89 | 428-2MGT3 | 428 | 214 |
| 180-2MGT3 | 180 | 90 | 430-2MGT3 | 430 | 215 |
| 184-2MGT3 | 184 | 92 | 436-2MGT3 | 436 | 218 |
| 186-2MGT3 | 186 | 93 | 466-2MGT3 | 466 | 233 |
| 194-2MGT3 | 194 | 97 | 474-2MGT3 | 474 | 237 |
| 202-2MGT3 | 202 | 101 | 480-2MGT3 | 480 | 240 |
| 208-2MGT3 | 208 | 104 | 488-2MGT3 | 488 | 244 |
| 210-2MGT3 | 210 | 105 | 502-2MGT3 | 502 | 251 |
| 212-2MGT3 | 212 | 106 | 516-2MGT3 | 516 | 258 |
| 216-2MGT3 | 216 | 108 | 534-2MGT3 | 534 | 267 |
| 220-2MGT3 | 220 | 110 | 544-2MGT3 | 544 | 272 |
| 224-2MGT3 | 224 | 112 | 576-2MGT3 | 576 | 288 |
| 232-2MGT3 | 232 | 116 | 600-2MGT3 | 600 | 300 |
| 240-2MGT3 | 240 | 120 | 660-2MGT3 | 660 | 330 |
| 242-2MGT3 | 242 | 121 | 690-2MGT3 | 690 | 345 |
| 250-2MGT3 | 250 | 125 | 816-2MGT3 | 816 | 408 |
| 252-2MGT3 | 252 | 126 | 930-2MGT3 | 930 | 465 |
| 264-2MGT3 | 264 | 132 | 1032-2MGT3 | 1032 | 516 |
| 274-2MGT3 | 274 | 137 | 1164-2MGT3 | 1164 | 582 |
| 280-2MGT3 | 280 | 140 | 1386-2MGT3 | 1386 | 693 |
| 284-2MGT3 | 284 | 142 | 1700-2MGT3 | 1700 | 850 |
| 286-2MGT3 | 286 | 143 | 1830-2MGT3 | 1830 | 915 |
| 288-2MGT3 | 288 | 144 | | | |
| 304-2MGT3 | 304 | 152 | | | |
| 310-2MGT3 | 310 | 155 | | | |

Available in widths of 3 mm, 6 mm and 9 mm.

3MGT

Pitch: 3 mm

| Description | Pitch length mm | Number of teeth | Description | Pitch length mm | Number of teeth |
|-------------|-----------------|-----------------|-------------|-----------------|-----------------|
| 105-3MGT3 | 105 | 35 | 387-3MGT3 | 387 | 129 |
| 120-3MGT3 | 120 | 40 | 390-3MGT3 | 390 | 130 |
| 135-3MGT3 | 135 | 45 | 393-3MGT3 | 393 | 131 |
| 144-3MGT3 | 144 | 48 | 399-3MGT3 | 399 | 133 |
| 150-3MGT3 | 150 | 50 | 408-3MGT3 | 408 | 136 |
| 165-3MGT3 | 165 | 55 | 420-3MGT3 | 420 | 140 |
| 174-3MGT3 | 174 | 58 | 426-3MGT3 | 426 | 142 |
| 180-3MGT3 | 180 | 60 | 450-3MGT3 | 450 | 150 |
| 186-3MGT3 | 186 | 62 | 456-3MGT3 | 456 | 152 |
| 192-3MGT3 | 192 | 64 | 480-3MGT3 | 480 | 160 |
| 195-3MGT3 | 195 | 65 | 483-3MGT3 | 483 | 161 |
| 204-3MGT3 | 204 | 68 | 489-3MGT3 | 489 | 163 |
| 210-3MGT3 | 210 | 70 | 495-3MGT3 | 495 | 165 |
| 216-3MGT3 | 216 | 72 | 501-3MGT3 | 501 | 167 |
| 225-3MGT3 | 225 | 75 | 510-3MGT3 | 510 | 170 |
| 231-3MGT3 | 231 | 77 | 513-3MGT3 | 513 | 171 |
| 234-3MGT3 | 234 | 78 | 522-3MGT3 | 522 | 174 |
| 240-3MGT3 | 240 | 80 | 537-3MGT3 | 537 | 179 |
| 243-3MGT3 | 243 | 81 | 540-3MGT3 | 540 | 180 |
| 246-3MGT3 | 246 | 82 | 552-3MGT3 | 552 | 184 |
| 252-3MGT3 | 252 | 84 | 561-3MGT3 | 561 | 187 |
| 255-3MGT3 | 255 | 85 | 564-3MGT3 | 564 | 188 |
| 267-3MGT3 | 267 | 89 | 570-3MGT3 | 570 | 190 |
| 270-3MGT3 | 270 | 90 | 582-3MGT3 | 582 | 194 |
| 276-3MGT3 | 276 | 92 | 588-3MGT3 | 588 | 196 |
| 282-3MGT3 | 282 | 94 | 600-3MGT3 | 600 | 200 |
| 285-3MGT3 | 285 | 95 | 621-3MGT3 | 621 | 207 |
| 288-3MGT3 | 288 | 96 | 630-3MGT3 | 630 | 210 |
| 294-3MGT3 | 294 | 98 | 657-3MGT3 | 657 | 219 |
| 300-3MGT3 | 300 | 100 | 750-3MGT3 | 750 | 250 |
| 303-3MGT3 | 303 | 101 | 777-3MGT3 | 777 | 259 |
| 309-3MGT3 | 309 | 103 | 840-3MGT3 | 840 | 280 |
| 312-3MGT3 | 312 | 104 | 849-3MGT3 | 849 | 283 |
| 324-3MGT3 | 324 | 108 | 897-3MGT3 | 897 | 299 |
| 330-3MGT3 | 330 | 110 | 1587-3MGT3 | 1587 | 529 |
| 339-3MGT3 | 339 | 113 | 1692-3MGT3 | 1692 | 564 |
| 354-3MGT3 | 354 | 118 | | | |
| 357-3MGT3 | 357 | 119 | | | |
| 360-3MGT3 | 360 | 120 | | | |
| 363-3MGT3 | 363 | 121 | | | |
| 375-3MGT3 | 375 | 125 | | | |
| 384-3MGT3 | 384 | 128 | | | |

Available in widths of 6 mm, 9 mm and 15 mm.

5MGT

Pitch: 5 mm

| Description | Pitch length mm | Number of teeth | Description | Pitch length mm | Number of teeth | Description | Pitch length mm | Number of teeth |
|-------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-----------------|
| 200-5MGT3 | 200 | 40 | 450-5MGT3 | 450 | 90 | 850-5MGT3 | 850 | 170 |
| 225-5MGT3 | 225 | 45 | 460-5MGT3 | 460 | 92 | 860-5MGT3 | 860 | 172 |
| 250-5MGT3 | 250 | 50 | 475-5MGT3 | 475 | 95 | 900-5MGT3 | 900 | 180 |
| 265-5MGT3 | 265 | 53 | 490-5MGT3 | 490 | 98 | 950-5MGT3 | 950 | 190 |
| 275-5MGT3 | 275 | 55 | 500-5MGT3 | 500 | 100 | 980-5MGT3 | 980 | 196 |
| 280-5MGT3 | 280 | 56 | 510-5MGT3 | 510 | 102 | 1000-5MGT3 | 1000 | 200 |
| 285-5MGT3 | 285 | 57 | 525-5MGT3 | 525 | 105 | 1050-5MGT3 | 1050 | 210 |
| 300-5MGT3 | 300 | 60 | 530-5MGT3 | 530 | 106 | 1150-5MGT3 | 1150 | 230 |
| 325-5MGT3 | 325 | 65 | 540-5MGT3 | 540 | 108 | 1270-5MGT3 | 1270 | 254 |
| 330-5MGT3 | 330 | 66 | 550-5MGT3 | 550 | 110 | 1500-5MGT3 | 1500 | 300 |
| 340-5MGT3 | 340 | 68 | 600-5MGT3 | 600 | 120 | 1755-5MGT3 | 1755 | 351 |
| 350-5MGT3 | 350 | 70 | 625-5MGT3 | 625 | 125 | 1850-5MGT3 | 1850 | 370 |
| 360-5MGT3 | 360 | 72 | 650-5MGT3 | 650 | 130 | 2100-5MGT3 | 2100 | 420 |
| 375-5MGT3 | 375 | 75 | 665-5MGT3 | 665 | 133 | 2440-5MGT3 | 2440 | 488 |
| 400-5MGT3 | 400 | 80 | 700-5MGT3 | 700 | 140 | | | |
| 410-5MGT3 | 410 | 82 | 750-5MGT3 | 750 | 150 | | | |
| 415-5MGT3 | 415 | 83 | 775-5MGT3 | 775 | 155 | | | |
| 425-5MGT3 | 425 | 85 | 800-5MGT3 | 800 | 160 | | | |

Available in widths of 9 mm, 15 mm and 25 mm.

PowerGrip® GT3 ordering code is composed as follows:

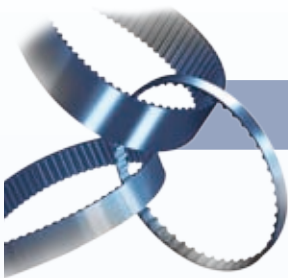
285-5MGT3-9

285 - Pitch length (mm)
5MGT3 - Pitch 5 mm
9 - Belt width (mm)

Dimensions in bold are available from stock.



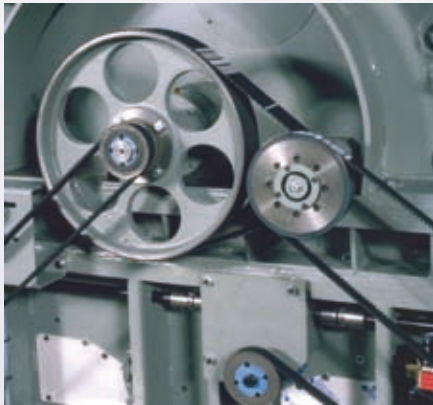
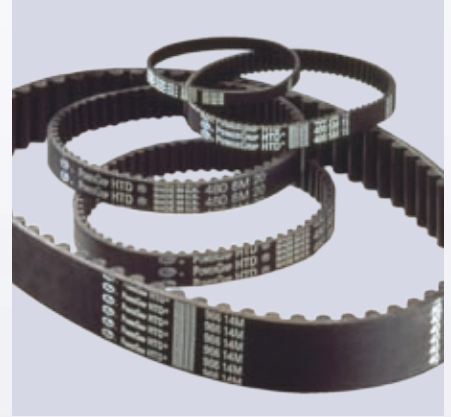
SYNCHRONOUS BELTS FOR HIGH TORQUE DRIVES



POWERGRIP® HTD® 8M, 14M & 20M

Rubber synchronous belt with HTD® tooth profile

The curvilinear PowerGrip® HTD® tooth geometry eliminates stress concentration at tooth roots and allows higher power capacity and longer life. PowerGrip® HTD® 8M, 14M and 20M belts are used in high performance drives in the machine tool, paper and textile industries where durability and low maintenance are required.



Identification

Three part number on the back of the belt indicating belt length, pitch and belt width.

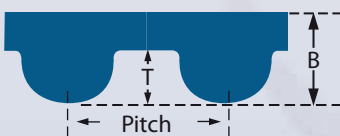
Construction

- Special curvilinear tooth form improves stress distribution and allows higher overall loading.
- Precisely formed and accurately spaced elastomeric teeth ensure correct positioning in the pulley grooves.
- Tough nylon facing protects the tooth surfaces.
- Tensile member provides the required strength combined with excellent flex life and high resistance to elongation.
- Durable elastomeric backing protects against environmental pollution as well as frictional wear if power is transmitted from the back of the belt.
- 8M and 14M pitch belts conform to ISO 13050.

Advantages

- Load capacities up to 1,000 kW.
- No slippage. PowerGrip® HTD® belt teeth mesh smoothly with pulley grooves, reducing speed variations.
- Wide speed range.
- Economical operation. No lubrication needed, no need for adjustment due to stretch and wear.
- High mechanical efficiency. The belt construction minimises heat build-up and, since friction is not required to transmit the load, belt tensions are reduced.
- Constant driven speeds.
- Long trouble-free service life (because of excellent abrasion resistance) in many applications where metal components like chains and gears wear out in a matter of months.
- PowerGrip® HTD® 14M: **static conductive (ISO 9563)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|------------|-------------|---------|---------|
| 8M | 8.0 | 3.4 | 6.0 |
| 14M | 14.0 | 6.1 | 10.0 |
| 20M | 20.0 | 8.4 | 13.2 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



| 8M | | |
|----------------|--------------------|-----------------------|
| Pitch: 8 mm | | |
| Description | Pitch length mm | Number of teeth |
| 264-8M | 264 | 33 |
| 320-8M | 320 | 40 |
| 376-8M | 376 | 47 |
| 384-8M | 384 | 48 |
| 424-8M | 424 | 53 |
| 480-8M | 480 | 60 |
| 512-8M | 512 | 64 |
| 520-8M | 520 | 65 |
| 560-8M | 560 | 70 |
| 576-8M | 576 | 72 |
| 600-8M | 600 | 75 |
| 608-8M | 608 | 76 |
| 624-8M | 624 | 78 |
| 640-8M | 640 | 80 |
| 656-8M | 656 | 82 |
| 720-8M | 720 | 90 |
| 760-8M | 760 | 95 |
| 776-8M | 776 | 97 |
| 800-8M | 800 | 100 |
| 856-8M | 856 | 107 |
| 880-8M | 880 | 110 |
| 912-8M | 912 | 114 |
| 920-8M | 920 | 115 |
| 960-8M | 960 | 120 |
| 968-8M | 968 | 121 |
| 976-8M | 976 | 122 |
| 1000-8M | 1000 | 125 |
| 1040-8M | 1040 | 130 |
| 1064-8M | 1064 | 133 |
| 1080-8M | 1080 | 135 |
| 1120-8M | 1120 | 140 |
| 1128-8M | 1128 | 141 |
| 1160-8M | 1160 | 145 |
| 1176-8M | 1176 | 147 |
| 1200-8M | 1200 | 150 |
| 1216-8M | 1216 | 152 |
| 1224-8M | 1224 | 153 |
| 1256-8M | 1256 | 157 |
| 1264-8M | 1264 | 158 |
| 1280-8M | 1280 | 160 |
| 1304-8M | 1304 | 163 |
| 1360-8M | 1360 | 170 |
| 1424-8M | 1424 | 178 |
| 1432-8M | 1432 | 179 |
| 1440-8M | 1440 | 180 |
| 1512-8M | 1512 | 189 |
| 1520-8M | 1520 | 190 |
| 1552-8M | 1552 | 194 |
| 1584-8M | 1584 | 198 |
| 1600-8M | 1600 | 200 |
| 1696-8M | 1696 | 212 |
| 1728-8M | 1728 | 216 |
| 1760-8M | 1760 | 220 |
| 1800-8M | 1800 | 225 |
| 1896-8M | 1896 | 237 |
| 1904-8M | 1904 | 238 |
| 2000-8M | 2000 | 250 |
| 2080-8M | 2080 | 260 |
| 2200-8M | 2200 | 275 |
| 2240-8M | 2240 | 280 |
| 2272-8M | 2272 | 284 |
| 2400-8M | 2400 | 300 |
| 2504-8M | 2504 | 313 |
| 2600-8M | 2600 | 325 |
| 2800-8M | 2800 | 350 |

Available in widths of 20 mm, 30 mm, 50 mm and 85 mm.

| 14M | | |
|-----------------|--------------------|-----------------------|
| Pitch: 14 mm | | |
| Description | Pitch length mm | Number of teeth |
| 784-14M | 784 | 56 |
| 826-14M | 826 | 59 |
| 924-14M | 924 | 66 |
| 966-14M | 966 | 69 |
| 1092-14M | 1092 | 78 |
| 1190-14M | 1190 | 85 |
| 1400-14M | 1400 | 100 |
| 1610-14M | 1610 | 115 |
| 1778-14M | 1778 | 127 |
| 1890-14M | 1890 | 135 |
| 2100-14M | 2100 | 150 |
| 2310-14M | 2310 | 165 |
| 2450-14M | 2450 | 175 |
| 2590-14M | 2590 | 185 |
| 2800-14M | 2800 | 200 |
| 3150-14M | 3150 | 225 |
| 3500-14M | 3500 | 250 |
| 3850-14M | 3850 | 275 |
| 4004-14M | 4004 | 286 |
| 4326-14M | 4326 | 309 |
| 4578-14M | 4578 | 327 |

Available in widths of 40 mm, 55 mm, 85 mm, 115 mm and 170 mm.

| 20M | | |
|--------------|--------------------|-----------------------|
| Pitch: 20 mm | | |
| Description | Pitch length mm | Number of teeth |
| 2000-20M | 2000 | 100 |
| 2500-20M | 2500 | 125 |
| 3400-20M | 3400 | 170 |
| 3800-20M | 3800 | 190 |
| 4200-20M | 4200 | 210 |
| 4600-20M | 4600 | 230 |
| 5000-20M | 5000 | 250 |
| 5200-20M | 5200 | 260 |
| 5400-20M | 5400 | 270 |
| 5600-20M | 5600 | 280 |
| 5800-20M | 5800 | 290 |
| 6000-20M | 6000 | 300 |
| 6200-20M | 6200 | 310 |
| 6400-20M | 6400 | 320 |
| 6600-20M | 6600 | 330 |

Available in widths of 115 mm, 170 mm, 230 mm, 290 mm and 340 mm.

PowerGrip® HTD® ordering code is composed as follows:

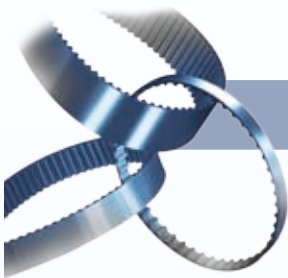
480-8M-20

480 - Pitch length (mm)
8M - Pitch 8 mm
20 - Belt width (mm)

Dimensions in bold are available from stock.



SYNCHRONOUS BELTS FOR HIGH TORQUE DRIVES



POWERGRIP® HTD® 3M & 5M

Rubber synchronous belt with HTD® tooth profile

Because of an optimised load distribution, the HTD® curvilinear tooth form guarantees high power transmission in low speed and high torque applications. PowerGrip® HTD® 3M and 5M belts are suitable for domestic appliances, office machines, electric hand tools and for applications in the processing and chemical industry.



Identification

Three part number on the back of the belt indicating belt length, pitch and width.

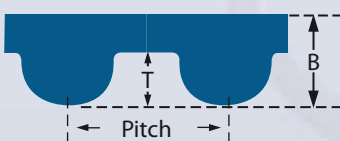
Construction

- Special curvilinear tooth design improves stress distribution and allows higher overall loading.
- Precisely formed and accurately spaced elastomeric teeth ensure smooth engagement with the pulley grooves.
- Durable elastomeric backing protects the belt against environmental pollution as well as frictional wear if power is transmitted from the back of the belt.
- Tough nylon facing protects the tooth surface.
- Fibreglass tensile cords.
- Compact design.

Advantages

- 3M and 5M PowerGrip® HTD® are designed for speeds up to 20,000 rpm and capacities up to 10 kW.
- The optimised tooth form permits high loads to be transmitted, even in small pitches.
- Peripheral speed up to 80 m/s.
- Efficiencies up to 99%.
- Compact design.
- 25% improved tooth jump resistance vs. CTB.
- Long service life and maintenance-free.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|-----------|-------------|---------|---------|
| 3M | 3.0 | 1.2 | 2.4 |
| 5M | 5.0 | 2.1 | 3.8 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



3M

Pitch: 3 mm

| Description | Pitch length mm | Number of teeth |
|---------------|-----------------|-----------------|
| 105-3M | 105 | 35 |
| 111-3M | 111 | 37 |
| 120-3M | 120 | 40 |
| 123-3M | 123 | 41 |
| 126-3M | 126 | 42 |
| 129-3M | 129 | 43 |
| 141-3M | 141 | 47 |
| 144-3M | 144 | 48 |
| 150-3M | 150 | 50 |
| 156-3M | 156 | 52 |
| 159-3M | 159 | 53 |
| 165-3M | 165 | 55 |
| 168-3M | 168 | 56 |
| 171-3M | 171 | 57 |
| 174-3M | 174 | 58 |
| 177-3M | 177 | 59 |
| 180-3M | 180 | 60 |
| 183-3M | 183 | 61 |
| 186-3M | 186 | 62 |
| 189-3M | 189 | 63 |
| 192-3M | 192 | 64 |
| 195-3M | 195 | 65 |
| 201-3M | 201 | 67 |
| 204-3M | 204 | 68 |
| 210-3M | 210 | 70 |
| 213-3M | 213 | 71 |
| 216-3M | 216 | 72 |
| 219-3M | 219 | 73 |
| 222-3M | 222 | 74 |
| 225-3M | 225 | 75 |
| 234-3M | 234 | 78 |
| 237-3M | 237 | 79 |
| 243-3M | 243 | 81 |
| 246-3M | 246 | 82 |
| 249-3M | 249 | 83 |
| 252-3M | 252 | 84 |
| 255-3M | 255 | 85 |
| 267-3M | 267 | 89 |
| 276-3M | 276 | 92 |
| 282-3M | 282 | 94 |
| 285-3M | 285 | 95 |
| 288-3M | 288 | 96 |
| 291-3M | 291 | 97 |
| 294-3M | 294 | 98 |
| 297-3M | 297 | 99 |
| 300-3M | 300 | 100 |
| 306-3M | 306 | 102 |
| 312-3M | 312 | 104 |
| 315-3M | 315 | 105 |
| 318-3M | 318 | 106 |
| 330-3M | 330 | 110 |
| 333-3M | 333 | 111 |
| 336-3M | 336 | 112 |
| 339-3M | 339 | 113 |
| 342-3M | 342 | 114 |
| 345-3M | 345 | 115 |
| 357-3M | 357 | 119 |
| 363-3M | 363 | 121 |
| 372-3M | 372 | 124 |
| 381-3M | 381 | 127 |
| 384-3M | 384 | 128 |
| 420-3M | 420 | 140 |
| 435-3M | 435 | 145 |
| 447-3M | 447 | 149 |
| 462-3M | 462 | 154 |
| 474-3M | 474 | 158 |
| 477-3M | 477 | 159 |
| 480-3M | 480 | 160 |

Available in widths of 6 mm, 9 mm and 15 mm.

5M

Pitch: 5 mm

| Description | Pitch length mm | Number of teeth |
|---------------|-----------------|-----------------|
| 120-5M | 120 | 24 |
| 180-5M | 180 | 36 |
| 225-5M | 225 | 45 |
| 255-5M | 255 | 51 |
| 265-5M | 265 | 53 |
| 270-5M | 270 | 54 |
| 275-5M | 275 | 55 |
| 280-5M | 280 | 56 |
| 295-5M | 295 | 59 |
| 300-5M | 300 | 60 |
| 305-5M | 305 | 61 |
| 325-5M | 325 | 65 |
| 330-5M | 330 | 66 |
| 335-5M | 335 | 67 |
| 340-5M | 340 | 68 |
| 345-5M | 345 | 69 |
| 350-5M | 350 | 70 |
| 360-5M | 360 | 72 |
| 365-5M | 365 | 73 |
| 370-5M | 370 | 74 |
| 375-5M | 375 | 75 |
| 385-5M | 385 | 77 |
| 400-5M | 400 | 80 |
| 405-5M | 405 | 81 |
| 420-5M | 420 | 84 |
| 425-5M | 425 | 85 |
| 450-5M | 450 | 90 |
| 460-5M | 460 | 92 |
| 475-5M | 475 | 95 |
| 500-5M | 500 | 100 |
| 510-5M | 510 | 102 |
| 520-5M | 520 | 104 |
| 525-5M | 525 | 105 |
| 535-5M | 535 | 107 |
| 550-5M | 550 | 110 |
| 560-5M | 560 | 112 |
| 565-5M | 565 | 113 |
| 575-5M | 575 | 115 |
| 580-5M | 580 | 116 |
| 600-5M | 600 | 120 |
| 610-5M | 610 | 122 |
| 615-5M | 615 | 123 |
| 635-5M | 635 | 127 |
| 640-5M | 640 | 128 |
| 645-5M | 645 | 129 |
| 665-5M | 665 | 133 |
| 670-5M | 670 | 134 |
| 695-5M | 695 | 139 |
| 700-5M | 700 | 140 |
| 710-5M | 710 | 142 |
| 720-5M | 720 | 144 |
| 740-5M | 740 | 148 |
| 750-5M | 750 | 150 |
| 755-5M | 755 | 151 |
| 770-5M | 770 | 154 |
| 775-5M | 775 | 155 |
| 800-5M | 800 | 160 |
| 825-5M | 825 | 165 |
| 835-5M | 835 | 167 |
| 860-5M | 860 | 172 |
| 870-5M | 870 | 174 |
| 890-5M | 890 | 178 |
| 900-5M | 900 | 180 |
| 925-5M | 925 | 185 |
| 935-5M | 935 | 187 |
| 940-5M | 940 | 188 |
| 950-5M | 950 | 190 |
| 965-5M | 965 | 193 |

Available in widths of 9 mm, 15 mm and 25 mm.

PowerGrip® HTD® ordering code is composed as follows:

280-5M-15

280 - Pitch length (mm)

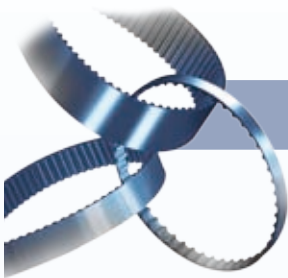
5M - Pitch 5 mm

15 - Belt width (mm)

Dimensions in bold are available from stock.



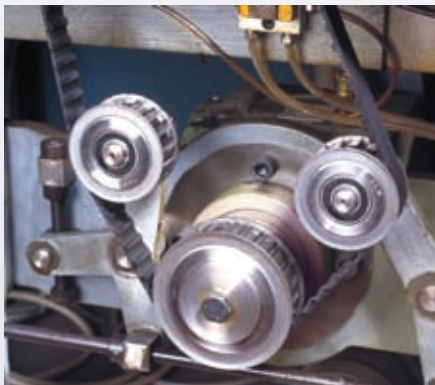
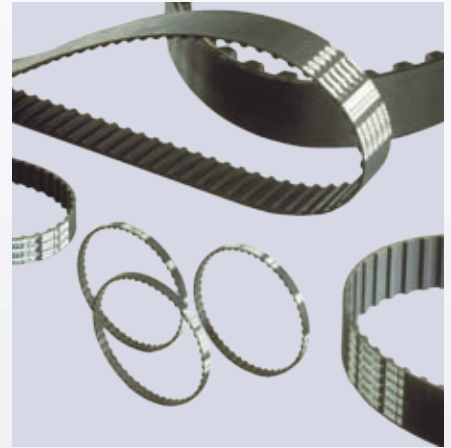
SYNCHRONOUS BELTS FOR A WIDE VARIETY OF APPLICATIONS



POWERGRIP® XL, L, H, XH & XXH

Classical synchronous belt

Gates classical synchronous PowerGrip® belt offers a maintenance-free and economical alternative to conventional drives like chains and gears. Its application range extends from minimum drives (computer printers) to heavy-duty machinery (oil pumps, etc).



Identification

Three part number on the back of the belt indicating belt length, pitch and width.

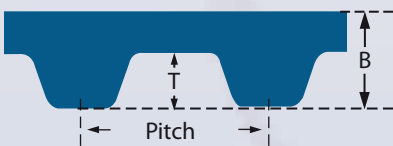
Construction

- Trapezoidal tooth form.
- Precisely formed and accurately spaced elastomeric teeth ensure correct engagement with the pulley grooves.
- Fibreglass tensile cords.
- Nylon fabric cover protects the tooth surfaces.
- Available in standard pitches according to ISO 5296: MXL, XL, L, H, XH, XXH. For MXL sizes and description, see chapter on PowerGrip® MXL on pages 54-55.

Advantages

- Power transmission of up to 150 kW and speeds of up to 10,000 rpm.
- Peripheral speed up to 80 m/s.
- Positive slip-proof engagement.
- Constant angular velocity.
- Efficiencies up to 99%.
- Low bearing load because of freedom of high tension.
- Maintenance-free continuity of operation.
- Wide range of load capacities and speed ratios.
- Compact design.
- Economical operation.

Sections and nominal dimensions



| | Pitch inch | T mm | B mm |
|------------|---------------|---------|---------|
| XL | 1/5 | 1.27 | 2.3 |
| L | 3/8 | 1.91 | 3.5 |
| H | 1/2 | 2.29 | 4.0 |
| XH | 7/8 | 6.36 | 11.4 |
| XXH | 1.1/4 | 9.53 | 15.2 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



XL

Pitch: 1/5" (5.080 mm)

| Description | Pitch length mm | Number of teeth |
|---------------|--------------------|-----------------------|
| 46-XL | 116.84 | 23 |
| 50-XL | 127.00 | 25 |
| 58-XL | 147.32 | 29 |
| 60-XL | 152.40 | 30 |
| 66-XL | 167.64 | 33 |
| 70-XL | 177.80 | 35 |
| 76-XL | 193.04 | 38 |
| 78-XL | 198.12 | 39 |
| 80-XL | 203.20 | 40 |
| 84-XL | 213.36 | 42 |
| 86-XL | 218.44 | 43 |
| 88-XL | 223.52 | 44 |
| 90-XL | 228.60 | 45 |
| 92-XL | 233.68 | 46 |
| 94-XL | 238.76 | 47 |
| 96-XL | 243.84 | 48 |
| 98-XL | 248.92 | 49 |
| 100-XL | 254.00 | 50 |
| 102-XL | 259.08 | 51 |
| 106-XL | 269.24 | 53 |
| 108-XL | 274.32 | 54 |
| 110-XL | 279.40 | 55 |
| 112-XL | 284.48 | 56 |
| 114-XL | 289.56 | 57 |
| 116-XL | 294.64 | 58 |
| 118-XL | 299.72 | 59 |
| 120-XL | 304.80 | 60 |
| 122-XL | 309.88 | 61 |
| 124-XL | 314.96 | 62 |
| 126-XL | 320.04 | 63 |
| 128-XL | 325.12 | 64 |
| 130-XL | 330.20 | 65 |
| 132-XL | 335.28 | 66 |
| 134-XL | 340.36 | 67 |
| 136-XL | 345.44 | 68 |
| 138-XL | 350.52 | 69 |
| 140-XL | 355.60 | 70 |
| 142-XL | 360.68 | 71 |
| 144-XL | 365.76 | 72 |
| 146-XL | 370.84 | 73 |
| 148-XL | 375.92 | 74 |
| 150-XL | 381.00 | 75 |
| 154-XL | 391.16 | 77 |
| 156-XL | 396.24 | 78 |
| 158-XL | 401.32 | 79 |
| 160-XL | 406.40 | 80 |
| 164-XL | 416.56 | 82 |
| 166-XL | 421.64 | 83 |
| 170-XL | 431.80 | 85 |
| 174-XL | 441.96 | 87 |
| 176-XL | 447.04 | 88 |
| 178-XL | 452.12 | 89 |
| 180-XL | 457.20 | 90 |
| 182-XL | 462.28 | 91 |
| 184-XL | 467.36 | 92 |
| 188-XL | 477.52 | 94 |
| 190-XL | 482.60 | 95 |
| 192-XL | 487.68 | 96 |
| 194-XL | 492.76 | 97 |
| 196-XL | 497.84 | 98 |
| 198-XL | 502.92 | 99 |
| 200-XL | 508.00 | 100 |
| 202-XL | 513.08 | 101 |
| 204-XL | 518.16 | 102 |
| 208-XL | 528.32 | 104 |
| 210-XL | 533.40 | 105 |
| 212-XL | 538.48 | 106 |
| 214-XL | 543.56 | 107 |

| Description | Pitch length mm | Number of teeth |
|---------------|--------------------|-----------------------|
| 220-XL | 558.80 | 110 |
| 228-XL | 579.12 | 114 |
| 230-XL | 584.20 | 115 |
| 232-XL | 589.28 | 116 |
| 234-XL | 594.36 | 117 |
| 240-XL | 609.60 | 120 |
| 250-XL | 635.00 | 125 |
| 260-XL | 660.40 | 130 |
| 264-XL | 670.56 | 132 |
| 270-XL | 685.80 | 135 |
| 274-XL | 695.96 | 137 |
| 280-XL | 711.20 | 140 |
| 284-XL | 721.36 | 142 |
| 286-XL | 726.44 | 143 |
| 290-XL | 736.60 | 145 |
| 296-XL | 751.84 | 148 |
| 300-XL | 762.00 | 150 |
| 306-XL | 777.24 | 153 |
| 310-XL | 787.40 | 155 |
| 316-XL | 802.64 | 158 |
| 322-XL | 817.88 | 161 |
| 330-XL | 838.20 | 165 |
| 340-XL | 863.60 | 170 |
| 344-XL | 873.76 | 172 |
| 348-XL | 883.92 | 174 |
| 350-XL | 889.00 | 175 |
| 352-XL | 894.08 | 176 |
| 362-XL | 919.48 | 181 |
| 372-XL | 944.88 | 186 |
| 380-XL | 965.20 | 190 |
| 382-XL | 970.28 | 191 |
| 384-XL | 975.36 | 192 |
| 390-XL | 990.60 | 195 |
| 392-XL | 995.68 | 196 |
| 404-XL | 1026.16 | 202 |
| 412-XL | 1046.48 | 206 |
| 424-XL | 1076.96 | 212 |
| 432-XL | 1097.28 | 216 |
| 434-XL | 1102.36 | 217 |
| 438-XL | 1112.52 | 219 |
| 450-XL | 1143.00 | 225 |
| 460-XL | 1168.40 | 230 |
| 490-XL | 1244.60 | 245 |
| 506-XL | 1285.24 | 253 |
| 540-XL | 1371.60 | 270 |
| 554-XL | 1407.16 | 277 |
| 564-XL | 1432.56 | 282 |
| 580-XL | 1473.20 | 290 |
| 592-XL | 1503.68 | 296 |
| 672-XL | 1706.88 | 336 |
| 736-XL | 1869.44 | 368 |
| 770-XL | 1955.80 | 385 |

Available in widths of 6.4 mm (code 025), 7.9 mm (code 031) and 9.5 mm (code 037).

L

Pitch: 3/8" (9.525 mm)

| Description | Pitch length mm | Number of teeth |
|--------------|--------------------|-----------------------|
| 124-L | 314.33 | 33 |
| 135-L | 342.90 | 36 |
| 150-L | 381.00 | 40 |
| 165-L | 419.10 | 44 |
| 169-L | 428.63 | 45 |
| 172-L | 438.15 | 46 |
| 187-L | 476.25 | 50 |
| 202-L | 514.35 | 54 |
| 210-L | 533.40 | 56 |
| 225-L | 571.50 | 60 |
| 236-L | 600.08 | 63 |
| 240-L | 609.60 | 64 |
| 244-L | 619.13 | 65 |
| 251-L | 638.18 | 67 |
| 255-L | 647.70 | 68 |
| 270-L | 685.80 | 72 |
| 285-L | 723.90 | 76 |
| 300-L | 762.00 | 80 |
| 322-L | 819.15 | 86 |
| 345-L | 876.30 | 92 |
| 367-L | 933.45 | 98 |
| 390-L | 990.60 | 104 |
| 405-L | 1028.70 | 108 |
| 420-L | 1066.80 | 112 |
| 450-L | 1143.00 | 120 |
| 461-L | 1171.58 | 123 |
| 480-L | 1219.20 | 128 |
| 510-L | 1295.40 | 136 |
| 540-L | 1371.60 | 144 |
| 600-L | 1524.00 | 160 |
| 630-L | 1600.20 | 168 |
| 660-L | 1676.40 | 176 |

Available in widths of 12.7 mm (code 050), 19.1 mm (code 075) and 25.4 mm (code 100).



| H | | |
|-----------------------|--------------------|-----------------------|
| Pitch: 1/2" (12.7 mm) | | |
| Description | Pitch length mm | Number of teeth |
| 240-H | 609.60 | 48 |
| 255-H | 647.70 | 51 |
| 270-H | 685.80 | 54 |
| 300-H | 762.00 | 60 |
| 310-H | 787.40 | 62 |
| 330-H | 838.20 | 66 |
| 360-H | 914.40 | 72 |
| 370-H | 939.80 | 74 |
| 375-H | 952.50 | 75 |
| 390-H | 990.60 | 78 |
| 420-H | 1066.80 | 84 |
| 440-H | 1117.60 | 88 |
| 450-H | 1143.00 | 90 |
| 480-H | 1219.20 | 96 |
| 485-H | 1231.90 | 97 |
| 510-H | 1295.40 | 102 |
| 520-H | 1320.80 | 104 |
| 540-H | 1371.60 | 108 |
| 570-H | 1447.80 | 114 |
| 600-H | 1524.00 | 120 |
| 615-H | 1562.10 | 123 |
| 630-H | 1600.20 | 126 |
| 660-H | 1676.40 | 132 |
| 700-H | 1778.00 | 140 |
| 750-H | 1905.00 | 150 |
| 800-H | 2032.00 | 160 |
| 850-H | 2159.00 | 170 |
| 885-H | 2247.90 | 177 |
| 900-H | 2286.00 | 180 |
| 905-H | 2298.70 | 181 |
| 1000-H | 2540.00 | 200 |
| 1100-H | 2794.00 | 220 |
| 1130-H | 2870.20 | 226 |
| 1250-H | 3175.00 | 250 |
| 1325-H | 3365.50 | 265 |
| 1400-H | 3556.00 | 280 |
| 1460-H | 3708.40 | 292 |
| 1700-H | 4318.00 | 340 |

Available in widths of 19.1 mm (code 075), 25.4 mm (code 100), 38.1 mm (code 150), 50.8 mm (code 200) and 76.2 mm (code 300).

| XH | | |
|-------------------------|--------------------|-----------------------|
| Pitch: 7/8" (22.225 mm) | | |
| Description | Pitch length mm | Number of teeth |
| 507-XH | 1289.05 | 58 |
| 560-XH | 1422.40 | 64 |
| 630-XH | 1600.20 | 72 |
| 700-XH | 1778.00 | 80 |
| 770-XH | 1955.80 | 88 |
| 787-XH | 2000.25 | 90 |
| 831-XH | 2111.38 | 95 |
| 840-XH | 2133.60 | 96 |
| 980-XH | 2489.20 | 112 |
| 1120-XH | 2844.80 | 128 |
| 1260-XH | 3200.40 | 144 |
| 1400-XH | 3556.00 | 160 |
| 1540-XH | 3911.60 | 176 |
| 1680-XH | 4267.20 | 192 |
| 1750-XH | 4445.00 | 200 |

Available in widths of 50.8 mm (code 200), 76.2 mm (code 300), 101.6 mm (code 400) and 127 mm (code 500).

| XXH | | |
|--------------------------|--------------------|-----------------------|
| Pitch: 1.1/4" (31.75 mm) | | |
| Description | Pitch length mm | Number of teeth |
| 700-XXH | 1778.00 | 56 |
| 800-XXH | 2032.00 | 64 |
| 900-XXH | 2286.00 | 72 |
| 1000-XXH | 2540.00 | 80 |
| 1200-XXH | 3048.00 | 96 |
| 1400-XXH | 3556.00 | 112 |
| 1600-XXH | 4064.00 | 128 |
| 1800-XXH | 4572.00 | 144 |

Available in widths of 50.8 mm (code 200), 76.2 mm (code 300), 101.6 mm (code 400) and 127 mm (code 500).

PowerGrip® ordering code is composed as follows:

507-XH-200

- 507** - Pitch length in 1/10 inch
- XH** - Pitch 7/8" (22.225 mm)
- 200** - Belt width 2.0" (50.8 mm)

Dimensions in bold are available from stock.



HIGH PRECISION SYNCHRONOUS BELTS



POWERGRIP® MXL

Classical synchronous belt

The PowerGrip® MXL belt is a classical synchronous belt with a pitch of 0.08" (2.032 mm). It is recommended for applications where maximum synchronisation, small package and high speed are required. Space-saving and highly stable, this belt is the ideal solution to precision drives such as office machines and computers.



Identification

Three part number on the back of the belt indicating belt length, pitch and width.

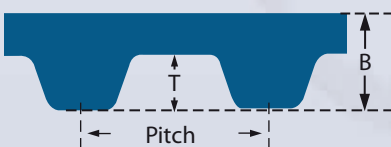
Construction

- Trapezoidal tooth form.
- Elastomeric backing and teeth combine durability and light weight.
- Nylon facing protects and reinforces the tooth surfaces.
- Fibreglass cords provide length stability and flexibility.

Advantages

- Power transmission of up to 0.8 kW and speeds of up to 20,000 rpm.
- MXL belts allow small pulley diameters (from 6 mm diameter) with a maximum number of teeth in mesh.
- Highly suitable for stepper motors.
- Accurate positioning.
- Very stable.

Sections and nominal dimensions



| | Pitch inch | T mm | B mm |
|------------|---------------|---------|---------|
| MXL | 0.08 | 0.51 | 1.14 |

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



MXL

Pitch: 0.08" (2.032 mm)

| Description | Pitch length mm | Number of teeth | Description | Pitch length mm | Number of teeth |
|-----------------|--------------------|-----------------------|-----------------|--------------------|-----------------------|
| 288-MXL | 73.15 | 36 | 1264-MXL | 321.05 | 158 |
| 296-MXL | 75.18 | 37 | 1280-MXL | 325.12 | 160 |
| 320-MXL | 81.28 | 40 | 1320-MXL | 335.28 | 165 |
| 360-MXL | 91.44 | 45 | 1400-MXL | 355.60 | 175 |
| 400-MXL | 101.60 | 50 | 1472-MXL | 373.88 | 184 |
| 424-MXL | 107.69 | 53 | 1520-MXL | 386.08 | 190 |
| 432-MXL | 109.72 | 54 | 1560-MXL | 396.24 | 195 |
| 440-MXL | 111.76 | 55 | 1600-MXL | 406.40 | 200 |
| 448-MXL | 113.79 | 56 | 1680-MXL | 426.72 | 210 |
| 456-MXL | 115.82 | 57 | 1768-MXL | 449.07 | 221 |
| 464-MXL | 117.86 | 58 | 1800-MXL | 457.20 | 225 |
| 472-MXL | 119.89 | 59 | 1832-MXL | 465.33 | 229 |
| 480-MXL | 121.92 | 60 | 1856-MXL | 471.42 | 232 |
| 488-MXL | 123.95 | 61 | 1880-MXL | 477.52 | 235 |
| 504-MXL | 128.01 | 63 | 1960-MXL | 497.84 | 245 |
| 520-MXL | 132.08 | 65 | 1984-MXL | 503.93 | 248 |
| 536-MXL | 136.14 | 67 | 1992-MXL | 505.96 | 249 |
| 544-MXL | 138.17 | 68 | 2048-MXL | 520.19 | 256 |
| 552-MXL | 140.20 | 69 | 2136-MXL | 542.54 | 267 |
| 560-MXL | 142.24 | 70 | 2240-MXL | 568.96 | 280 |
| 568-MXL | 144.27 | 71 | 2360-MXL | 599.44 | 295 |
| 576-MXL | 146.30 | 72 | 2384-MXL | 605.53 | 298 |
| 584-MXL | 148.33 | 73 | 2400-MXL | 609.60 | 300 |
| 592-MXL | 150.36 | 74 | 2520-MXL | 640.08 | 315 |
| 600-MXL | 152.40 | 75 | 2544-MXL | 646.17 | 318 |
| 608-MXL | 154.43 | 76 | 2608-MXL | 662.43 | 326 |
| 616-MXL | 156.46 | 77 | 2776-MXL | 705.10 | 347 |
| 632-MXL | 160.52 | 79 | 2864-MXL | 727.45 | 358 |
| 640-MXL | 162.56 | 80 | 2880-MXL | 731.52 | 360 |
| 648-MXL | 164.59 | 81 | 2968-MXL | 753.87 | 371 |
| 656-MXL | 166.62 | 82 | 2976-MXL | 755.90 | 372 |
| 664-MXL | 168.65 | 83 | 3120-MXL | 792.48 | 390 |
| 672-MXL | 170.68 | 84 | 3200-MXL | 812.80 | 400 |
| 680-MXL | 172.72 | 85 | 3264-MXL | 829.05 | 408 |
| 696-MXL | 176.78 | 87 | 3296-MXL | 837.18 | 412 |
| 704-MXL | 178.81 | 88 | 3360-MXL | 853.44 | 420 |
| 720-MXL | 182.88 | 90 | 3392-MXL | 861.56 | 424 |
| 736-MXL | 186.94 | 92 | 3448-MXL | 875.79 | 431 |
| 752-MXL | 191.00 | 94 | 3472-MXL | 881.88 | 434 |
| 760-MXL | 193.04 | 95 | 3704-MXL | 940.81 | 463 |
| 776-MXL | 197.10 | 97 | 3800-MXL | 965.20 | 475 |
| 800-MXL | 203.20 | 100 | 3904-MXL | 991.61 | 488 |
| 808-MXL | 205.23 | 101 | 3984-MXL | 1011.93 | 498 |
| 824-MXL | 209.29 | 103 | 4000-MXL | 1016.00 | 500 |
| 840-MXL | 213.36 | 105 | 4040-MXL | 1026.16 | 505 |
| 848-MXL | 215.39 | 106 | 4368-MXL | 1109.47 | 546 |
| 856-MXL | 217.42 | 107 | 4736-MXL | 1202.94 | 592 |
| 864-MXL | 219.45 | 108 | 4896-MXL | 1243.58 | 612 |
| 872-MXL | 221.48 | 109 | 5448-MXL | 1383.79 | 681 |
| 880-MXL | 223.52 | 110 | | | |
| 912-MXL | 231.64 | 114 | | | |
| 944-MXL | 239.77 | 118 | | | |
| 960-MXL | 243.84 | 120 | | | |
| 976-MXL | 247.90 | 122 | | | |
| 984-MXL | 249.93 | 123 | | | |
| 1000-MXL | 254.00 | 125 | | | |
| 1008-MXL | 256.03 | 126 | | | |
| 1016-MXL | 258.06 | 127 | | | |
| 1032-MXL | 262.12 | 129 | | | |
| 1040-MXL | 264.16 | 130 | | | |
| 1056-MXL | 268.22 | 132 | | | |
| 1072-MXL | 272.28 | 134 | | | |
| 1112-MXL | 282.44 | 139 | | | |
| 1120-MXL | 284.48 | 140 | | | |
| 1144-MXL | 290.57 | 143 | | | |
| 1160-MXL | 294.64 | 145 | | | |
| 1200-MXL | 304.80 | 150 | | | |
| 1240-MXL | 314.96 | 155 | | | |

Available in widths of 3.2 mm (code 012), 4.8 mm (code 019) and 6.4 mm (code 025).

PowerGrip® MXL ordering code is composed as follows:

288-MXL-019

- 288** - Pitch length in 1/100 inch
- MXL** - Pitch 0.08" (2.032 mm)
- 019** - Belt width 0.19" (4.8 mm)

Dimensions in bold are available from stock.



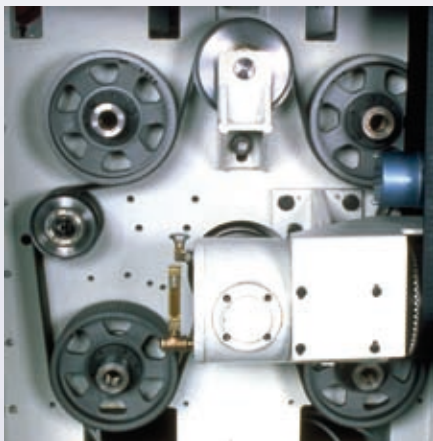
DOUBLE-SIDED SYNCHRONOUS BELTS FOR CONTRA-ROTATING DRIVES



TWIN POWER®

Double-sided synchronous belt

Due to its double and directly opposite teeth, Twin Power® synchronous belts ensure high loading capacity on contra-rotating drives and ensure smooth running and high flexibility. They are available with the classical trapezoidal but also with the unique GT tooth profile. The Twin Power® GT2 belt has twice the power rating of Twin Power® HTD® belts. It is characterised by extraordinary load-carrying power and high tooth jump resistance, thus ensuring a positive non-slip drive. In addition, it runs at very low noise. Twin Power® is available in PowerGrip® GT2 8MGT and 14MGT, HTD® 5M and PowerGrip® XL, L and H pitches.



Identification

Three part number on one side of the belt indicating pitch, belt length and width.

Construction

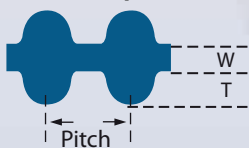
- Similar in construction to PowerGrip® classical synchronous and PowerGrip® GT2 belts: strong tensile member, precision-formed elastomeric teeth and body.
- Wear resistant nylon fabric on both tooth sides.

Advantages

- High loading capacity.
- Twin Power® can transmit up to 100% of its maximum rated load from either side of the belt; alternatively, it can transmit a load on both sides - provided the sum of the loads does not exceed the maximum capacity.
- Non-slip positive drive.
- Running at low noise.
- Free of lubrication and maintenance.

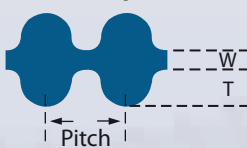
Sections and nominal dimensions

PowerGrip® GT2



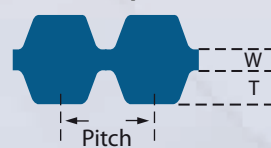
| | Pitch mm | W mm | T mm |
|--------------|-------------|---------|---------|
| 8MGT | 8.0 | 2.00 | 3.40 |
| 14MGT | 14.0 | 3.70 | 5.82 |

PowerGrip® HTD



| | Pitch mm | W mm | T mm |
|-----------|-------------|---------|---------|
| 5M | 5.0 | 1.5 | 2.1 |

PowerGrip®



| | Pitch inch | W mm | T mm |
|-----------|---------------|---------|---------|
| XL | 1/5 | 0.508 | 1.27 |
| L | 3/8 | 0.762 | 1.91 |
| H | 1/2 | 1.372 | 2.29 |



| TP 8MGT | | |
|---------------------------|--------------------|-----------------------|
| Pitch: 8 mm | | |
| Description | Pitch length mm | Number of teeth |
| TP-480-8MGT ¹ | 480 | 60 |
| TP-560-8MGT ¹ | 560 | 70 |
| TP-600-8MGT ¹ | 600 | 75 |
| TP-640-8MGT ¹ | 640 | 80 |
| TP-720-8MGT ¹ | 720 | 90 |
| TP-800-8MGT ¹ | 800 | 100 |
| TP-880-8MGT ¹ | 880 | 110 |
| TP-960-8MGT ¹ | 960 | 120 |
| TP-1040-8MGT ¹ | 1040 | 130 |
| TP-1120-8MGT ² | 1120 | 140 |
| TP-1200-8MGT ² | 1200 | 150 |
| TP-1280-8MGT ² | 1280 | 160 |
| TP-1440-8MGT ² | 1440 | 180 |
| TP-1600-8MGT ² | 1600 | 200 |
| TP-1760-8MGT ² | 1760 | 220 |
| TP-1800-8MGT ² | 1800 | 225 |
| TP-2000-8MGT ² | 2000 | 250 |
| TP-2400-8MGT ² | 2400 | 300 |
| TP-2600-8MGT ² | 2600 | 325 |
| TP-2800-8MGT ² | 2800 | 350 |
| TP-3048-8MGT ² | 3048 | 381 |
| TP-3280-8MGT ² | 3280 | 410 |
| TP-3600-8MGT ² | 3600 | 450 |
| TP-4400-8MGT ² | 4400 | 550 |
| TP-4960-8MGT ² | 4960 | 620 |

Available in widths of 20 mm, 30 mm, 50 mm and 85 mm.

| TP 14MGT | | |
|----------------------------|--------------------|-----------------------|
| Pitch: 14 mm | | |
| Description | Pitch length mm | Number of teeth |
| TP-1610-14MGT ² | 1610 | 115 |
| TP-1778-14MGT ² | 1778 | 127 |
| TP-1890-14MGT ² | 1890 | 135 |
| TP-2100-14MGT ² | 2100 | 150 |
| TP-2310-14MGT ² | 2310 | 165 |
| TP-2450-14MGT ² | 2450 | 175 |
| TP-2590-14MGT ² | 2590 | 185 |
| TP-2800-14MGT ² | 2800 | 200 |
| TP-3150-14MGT ² | 3150 | 225 |
| TP-3360-14MGT ² | 3360 | 240 |
| TP-3500-14MGT ² | 3500 | 250 |
| TP-3850-14MGT ² | 3850 | 275 |
| TP-4326-14MGT ² | 4326 | 309 |
| TP-4578-14MGT ² | 4578 | 327 |
| TP-4956-14MGT ² | 4956 | 354 |
| TP-5320-14MGT ² | 5320 | 380 |
| TP-5740-14MGT ² | 5740 | 410 |
| TP-6160-14MGT ² | 6160 | 440 |
| TP-6860-14MGT ² | 6860 | 490 |

Available in widths of 40 mm, 55 mm, 85 mm, 115 mm and 170 mm.

| TP 5M | | |
|-------------------------|--------------------|-----------------------|
| Pitch: 5 mm | | |
| Description | Pitch length mm | Number of teeth |
| TP-425-5M ³ | 425 | 85 |
| TP-475-5M ³ | 475 | 95 |
| TP-500-5M ¹ | 500 | 100 |
| TP-600-5M ¹ | 600 | 120 |
| TP-615-5M ¹ | 615 | 123 |
| TP-640-5M ¹ | 640 | 128 |
| TP-670-5M ¹ | 670 | 134 |
| TP-700-5M ¹ | 700 | 140 |
| TP-755-5M ¹ | 755 | 151 |
| TP-800-5M ¹ | 800 | 160 |
| TP-835-5M ¹ | 835 | 167 |
| TP-890-5M ¹ | 890 | 178 |
| TP-935-5M ⁴ | 935 | 187 |
| TP-1100-5M ⁴ | 1100 | 220 |
| TP-1200-5M ⁴ | 1200 | 240 |
| TP-1270-5M ³ | 1270 | 254 |
| TP-1420-5M ³ | 1420 | 284 |
| TP-1595-5M ⁴ | 1595 | 319 |
| TP-1690-5M ³ | 1690 | 338 |
| TP-1870-5M ⁴ | 1870 | 374 |
| TP-1945-5M ³ | 1945 | 389 |
| TP-2000-5M ³ | 2000 | 400 |
| TP-2100-5M ⁴ | 2100 | 420 |
| TP-2250-5M ³ | 2250 | 450 |
| TP-2350-5M ⁴ | 2350 | 470 |
| TP-2525-5M ³ | 2525 | 505 |

Available in widths of 9 mm, 15 mm and 25 mm.

| TP L | | |
|------------------------|------------------------|-----------------------|
| Pitch: 3/8" (9.525 mm) | | |
| Description | Pitch length mm ISO | Number of teeth |
| TP-202-L ¹ | 514.4 | 54 |
| TP-210-L ¹ | 533.4 | 56 |
| TP-225-L ¹ | 571.5 | 60 |
| TP-240-L ¹ | 609.6 | 64 |
| TP-255-L ¹ | 647.7 | 68 |
| TP-270-L ¹ | 685.8 | 72 |
| TP-285-L ¹ | 723.9 | 76 |
| TP-300-L ¹ | 762.0 | 80 |
| TP-322-L ¹ | 819.2 | 86 |
| TP-345-L ¹ | 876.3 | 92 |
| TP-367-L ¹ | 933.5 | 98 |
| TP-390-L ⁴ | 990.6 | 104 |
| TP-420-L ⁴ | 1066.8 | 112 |
| TP-450-L ⁴ | 1143.0 | 120 |
| TP-480-L ⁴ | 1219.2 | 128 |
| TP-510-L ⁴ | 1295.4 | 136 |
| TP-540-L ⁴ | 1371.6 | 144 |
| TP-600-L ⁴ | 1524.0 | 160 |
| TP-630-L ⁴ | 1600.2 | 168 |
| TP-660-L ⁴ | 1676.4 | 176 |

Available in widths of 12.7 mm (code 050), 19.1 mm (code 075) and 25.4 mm (code 100).

| Twin Power® ordering code is composed as follows: | |
|---|---------------------|
| TP-1120-8MGT-20 | |
| TP | - Twin Power |
| 1120 | - Pitch length (mm) |
| 8MGT | - Pitch 8 mm |
| 20 | - Belt width (mm) |

| TP XL | | |
|------------------------|------------------------|-----------------------|
| Pitch: 1/5" (5.080 mm) | | |
| Description | Pitch length mm ISO | Number of teeth |
| TP-150-XL ⁴ | 381.0 | 75 |
| TP-160-XL ⁴ | 406.4 | 80 |
| TP-170-XL ⁴ | 431.8 | 85 |
| TP-180-XL ⁴ | 457.2 | 90 |
| TP-190-XL ¹ | 482.6 | 95 |
| TP-200-XL ¹ | 508.0 | 100 |
| TP-210-XL ¹ | 533.4 | 105 |
| TP-220-XL ¹ | 558.8 | 110 |
| TP-230-XL ¹ | 584.2 | 115 |
| TP-240-XL ¹ | 609.6 | 120 |
| TP-250-XL ¹ | 635.0 | 125 |
| TP-260-XL ¹ | 660.4 | 130 |
| TP-280-XL ¹ | 711.2 | 140 |
| TP-290-XL ¹ | 736.6 | 145 |
| TP-300-XL ¹ | 762.0 | 150 |
| TP-310-XL ¹ | 787.4 | 155 |
| TP-348-XL ¹ | 883.9 | 174 |
| TP-352-XL ¹ | 894.1 | 176 |

Available in widths of 6.4 mm (code 025), 7.9 mm (code 031) and 9.5 mm (code 037).

Available in slabs of:
1 = 100 mm / 2 = 330 mm / 3 = 150 mm / 4 = 130 mm

Dimensions in bold are available from stock.

| TP H | | |
|-------------------------|------------------------|-----------------------|
| Pitch: 1/2" (12.700 mm) | | |
| Description | Pitch length mm ISO | Number of teeth |
| TP-240-H ¹ | 609.6 | 48 |
| TP-270-H ¹ | 685.8 | 54 |
| TP-300-H ¹ | 762.0 | 60 |
| TP-330-H ¹ | 838.2 | 66 |
| TP-360-H ¹ | 914.4 | 72 |
| TP-390-H ² | 990.6 | 78 |
| TP-420-H ² | 1066.8 | 84 |
| TP-450-H ² | 1143.0 | 90 |
| TP-480-H ² | 1219.2 | 96 |
| TP-510-H ² | 1295.4 | 102 |
| TP-540-H ² | 1371.6 | 108 |
| TP-570-H ² | 1447.8 | 114 |
| TP-600-H ² | 1524.0 | 120 |
| TP-630-H ² | 1600.2 | 126 |
| TP-660-H ² | 1676.4 | 132 |
| TP-700-H ² | 1778.0 | 140 |
| TP-750-H ² | 1905.0 | 150 |
| TP-800-H ² | 2032.0 | 160 |
| TP-850-H ² | 2159.0 | 170 |
| TP-900-H ² | 2286.0 | 180 |
| TP-1000-H ² | 2540.0 | 200 |
| TP-1100-H ² | 2794.0 | 220 |
| TP-1250-H ² | 3175.0 | 250 |
| TP-1400-H ² | 3556.0 | 280 |
| TP-1700-H ² | 4318.0 | 340 |

Available in widths of 19.1 mm (code 075), 25.4 mm (code 100), 38.1 mm (code 150), 50.8 mm (code 200) and 76.2 mm (code 300).



OPEN-END BELTS



LONG LENGTH & LIFTPOWER™

Open-end synchronous belt/Open-end flat belt

Next to endless belts, Gates offers a comprehensive range of open-end belts which can be easily cut off to the required length. Long Length open-end synchronous belts are especially suited for linear movements (automated doors, warehouse conveyors and elevators), accurate positioning (machine tools, x-y co-ordinate machines) and reversal drives (computers, printers and office equipment). LiftPower™ open-end flat belts have been designed for optimum performance on lifting and handling applications to move platforms and/or weights. They are an ideal alternative to hydraulic cylinders in scissors-type lifting tables and to chains and steel cables in vertical transport of motor vehicles in high rise stores. LiftPower™ belts run on flat pulleys.



Identification

Three part number on the back of the belt indicating product designation, pitch code and belt width.

Construction

Long Length

PowerGrip® GT 3MR, 5MR and 8MR pitches
PowerGrip® HTD® 3M, 5M, 8M and 14M pitches
PowerGrip® XL, L and H pitches

- Fibreglass or steel tensile cords.
- Rubber teeth and backing.
- Nylon facing.

Poly Chain® 8MGT and 14MGT pitches

- Aramid tensile cord.
- Polyurethane teeth and backing.
- Fabric reinforced teeth.

LiftPower™

- Steel cords or high performance steel cords guarantee very low elongation and increased flexibility compared to steel cables.
- Unique elastomeric compound.
- Fabric on the back of the belt ensures less friction and high wear resistance.

Advantages

Long Length

- High positioning accuracy, making the belt ideally suited for applications with repetitive movements.
- Length stability due to the use of high modulus tensile members.
- Easy to attach with clamping fixtures.
- Maintenance-free: no re-tensioning required, no lubrication needed.

LiftPower™

- Smooth-running and higher speeds compared to chains and steel cables.
- Simple installation with clamping plates.
- Reduced noise level.
- Maintenance-free: no re-tensioning required, no lubrication needed.



SYNCHRONOUS BELTS

POLY CHAIN® GT2



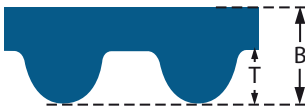
| | Pitch mm | T mm | B mm | Length on roll (m) | Width - mm Aramid |
|-------|-------------|---------|---------|-----------------------|----------------------|
| 8MGT | 8.00 | 3.40 | 5.90 | 30 | 12, 21, 36 |
| 14MGT | 14.00 | 6.00 | 10.20 | 30 | 20, 37 |

POWERGRIP® GT



| | Pitch mm | T mm | B mm | Length on roll (m) | Width - mm | |
|-----|-------------|---------|---------|-----------------------|---------------------------|---------------------------|
| | | | | | Fibreglass | Steel |
| 3MR | 3.00 | 1.12 | 2.41 | 30 | 6, 9, 15 | |
| 5MR | 5.00 | 1.92 | 3.81 | 30 | 6, 10, 15, 25 | 6, 10, 15, 25 |
| 8MR | 8.00 | 3.34 | 5.60 | 30 | 10, 15, 20, 30, 50 | 10, 15, 20, 30, 50 |

POWERGRIP® HTD®



| | Pitch mm | T mm | B mm | Length on roll (m) | Width - mm | |
|-----|-------------|---------|---------|-----------------------|-------------------------------|-------------------------------|
| | | | | | Fibreglass | Steel |
| 3M | 3.00 | 1.10 | 2.40 | 30 | 6, 9, 15 | |
| 5M | 5.00 | 2.10 | 3.80 | 30 | 6, 10, 15, 25 | 6, 10, 15, 25 |
| 8M | 8.00 | 3.40 | 6.00 | 30 | 10, 15, 20, 30, 50, 85 | 10, 15, 20, 30, 50, 85 |
| 14M | 14.00 | 6.00 | 10.00 | 30 | 25, 40, 55, 85, 115 | 25, 40, 55, 85, 115 |

POWERGRIP®



| | Pitch | | T mm | B mm | Length on roll (m) | Width - code | |
|----|-------|--------|---------|---------|-----------------------|-------------------------------------|-------------------------------------|
| | inch | mm | | | | Fibreglass | Steel |
| XL | 1/5 | 5.080 | 1.27 | 2.30 | 30 | 025, 031, 037, 050 | |
| L | 3/8 | 9.525 | 1.91 | 3.60 | 30 | 037, 050, 075, 100 | |
| H | 1/2 | 12.700 | 2.29 | 4.30 | 30 | 050, 075, 100, 150, 200, 300 | 050, 075, 100, 150, 200, 300 |

Long Length ordering code
is composed as follows:

5M-6-30m-ST

| | |
|------------|-------------------------------------|
| 5M | - Pitch 5 mm |
| 6 | - Belt width (mm) |
| 30m | - Length on roll (m) |
| ST | - Steel (material of tensile cords) |

FLAT BELTS

LIFTPOWER™



| Length on roll (m) | Width - mm | |
|-----------------------|-----------------------------|------------------------|
| | Steel | High performance steel |
| 100 | 25, 30, 50, 60, 75, 90, 100 | 30, 60, 90, 120, 150 |

LiftPower™ ordering code is
composed as follows:

LIFTP-75-STEEL

| | |
|--------------|-------------------|
| LIFT | - LiftPower™ |
| 75 | - Belt width (mm) |
| STEEL | - Steel cord |

Dimensions in bold are available from stock.



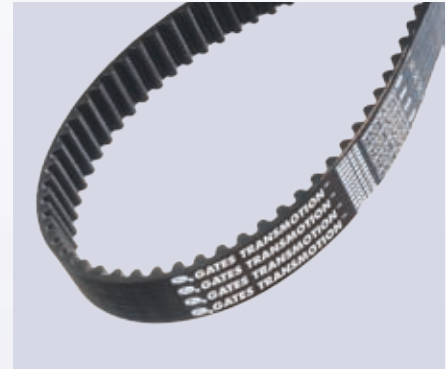
BELTS FOR CONVEYOR LINES



TRANSMOTION™

Rubber synchronous belt with conveyor cord

Gates' TransMotion™ is the most powerful rubber belt in the market for conveyor applications. TransMotion™ guarantees a 100% reliability when it is used for assembly lines in the most diverse industries. It outlasts and outperforms roller chain and other high-performance rubber synchronous products.



Identification

Three part number in white on the back of the belt indicating belt length, pitch and width.

Construction

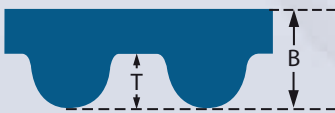
- Technically advanced compound with elastomeric teeth and backing and nylon facing.
- Conveyor cord provides superior tooth jump resistance and shock load resistance. Allows use in wash down applications.

- Elastomeric backing protects the cords from environmental pollution and frictional wear.
- Helically wound tensile member gives enormous strength, flex life and elongation resistance.
- Low friction nylon facing protects the tooth surface against wear.
- Precision-formed and accurately spaced elastomeric teeth.
- **Static conductive (ISO 9563)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX. Certificates available on request.

Advantages

- Compact drives and less weight.
- Positioning accuracy.
- Improved tooth jump resistance.
- Reduced noise levels.
- Cost-effective, long-lasting and virtually maintenance-free.
- Used on HTD® and RPP pulleys.

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|-------------|-------------|---------|---------|
| 8MGT | 8.00 | 3.40 | 5.60 |

8MGT

Pitch: 8 mm

| Description | Pitch length mm | Number of teeth |
|-------------|--------------------|-----------------------|
| 384-8MGTM | 384 | 48 |
| 480-8MGTM | 480 | 60 |
| 560-8MGTM | 560 | 70 |
| 600-8MGTM | 600 | 75 |
| 640-8MGTM | 640 | 80 |
| 720-8MGTM | 720 | 90 |
| 800-8MGTM | 800 | 100 |
| 840-8MGTM | 840 | 105 |
| 880-8MGTM | 880 | 110 |
| 920-8MGTM | 920 | 115 |
| 960-8MGTM | 960 | 120 |
| 1040-8MGTM | 1040 | 130 |
| 1120-8MGTM | 1120 | 140 |
| 1200-8MGTM | 1200 | 150 |
| 1280-8MGTM | 1280 | 160 |
| 1440-8MGTM | 1440 | 180 |
| 1512-8MGTM | 1512 | 189 |
| 1584-8MGTM | 1584 | 198 |
| 1600-8MGTM | 1600 | 200 |
| 1760-8MGTM | 1760 | 220 |
| 1800-8MGTM | 1800 | 225 |
| 2000-8MGTM | 2000 | 250 |
| 2400-8MGTM | 2400 | 300 |
| 2600-8MGTM | 2600 | 325 |
| 2800-8MGTM | 2800 | 350 |
| 3048-8MGTM | 3048 | 381 |
| 3280-8MGTM | 3280 | 410 |
| 3600-8MGTM | 3600 | 450 |
| 4400-8MGTM | 4400 | 550 |

Available in widths of 20 mm, 30 mm, 50 mm and 85 mm.

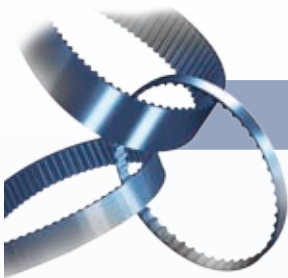
TransMotion™ ordering code is composed as follows:

384-8MGTM

384 - Pitch length (mm)

8MGTM - Pitch 8 mm

All dimensions are available on request.



BELTS FOR CONVEYOR LINES

POWERPAIN™

Paint and varnish compatible synchronous belt

Gates' PowerPainT™ synchronous belt is specifically developed for use in painting areas, as found in the automotive and white goods industries where contamination of the painted product, from whatever source, is unacceptable. PowerPainT™ ensures excellent performance on skid and roller conveyor systems where there may be a serious risk of product contamination. It passes the most stringent tests established by the automotive industry, which requires all components specified for use in a paint and varnish environment to be free of any source of contamination. Gates' PowerPainT™ belt ensures freedom of lubrication and maintenance, and paint and varnish compatibility. Contamination risks are excluded.



Identification

Three part number on the back of the belt indicating pitch length, pitch code and width.

Construction

- Precision-formed elastomeric teeth with curvilinear profile improve stress distribution and provide high power capacity.
- Accurately spaced teeth provide high positioning accuracy and optimum efficiency.
- Tough tensile cords ensure excellent flex life and high resistance to elongation.
- Available in:
 - Poly Chain® GT Carbon™ 8MGT and 14MGT pitches
 - Poly Chain® GT2 8MGT and 14MGT pitches
 - PowerGrip® GT3 5MGT, 8MGT and 14MGT pitches
 - PowerGrip® HTD® 3M, 5M, 8M and 14M pitches
 - TransMotion™ 8MGT pitch
 - Long Length PowerGrip® GT 3MR, 5MR and 8MR pitches
 - PowerGrip® HTD® 3M, 5M, 8M and 14M pitches
 - PowerGrip® XL, L and H pitches
 - Poly Chain® 8MGT and 14MGT pitches

Advantages

- Runs well on fixed centre distance drives without elongation and offers long service life.
- No paint contamination risk.

PowerPainT™ ordering code is composed as follows:

PPT-800-8MGT3

| | |
|--------------|-------------------------------|
| PPT | - PowerPainT™ |
| 800 | - Pitch length (mm) |
| 8MGT3 | - Pitch 8 mm (PowerGrip® GT3) |

NOTE

PowerPainT™ is only available on request. Please contact your Gates distributor or Gates representative.



SYNCHRO-POWER®

Endless/open-end polyurethane synchronous belt

Gates Synchro-Power® polyurethane belts are designed for long lasting and energy-efficient performance on both power transmission and linear applications. They are built in endless and open-end versions in various sizes, constructions and tooth designs handling a wide range of loads, speeds and applications. Polyurethane is extremely wear and fatigue resistant and at the same time highly flexible. Product quality is visible through numerous details. Tolerances are tight and accurate, perfect tooth meshing is achieved. Gates Synchro-Power® blue sleeves are the most recent addition to the polyurethane belt product range. They are available up to 200 mm width and can easily be recognised by their blue colour.



Identification

Branded on the back of the belt indicating pitch, length and production code.

Construction

- The polyurethane body offers excellent abrasion resistance and therefore a very clean running system without accumulations of debris.
- The polyurethane teeth offer exceptional rigidity, which reduces tooth flexing and ensures more stability in your overall system.
- Synchro-Power® sleeves
 - are truly endless and have no joint;
 - are supplied with steel tensile cords.
- Synchro-Power® Long Length belts
 - are manufactured as open-end extruded belts;
 - are supplied with steel, stainless steel or aramid tensile cords, depending on the belt construction;
 - the tensile cords are located parallel to the belt edges and exactly perpendicular to the belt teeth, and exert little or no side force;
 - the optional nylon tooth and/or back facing reinforce the surface and protect it against wear.

Advantages

- Wide range of tooth profiles to meet all application requirements.
- Clean, quiet and smooth-running operation.
- No lubrication required.
- Standard product suited for -5°C up to +70°C. For applications outside this range, please consult your Gates representative.
- Suited for use in harsh environments.
- Broad application range: automatic assembly operations, horizontal and vertical doors, printing applications, conveying equipment, textile industry, packaging machinery ... and many more.
- First class performance on both power transmission (endless) and linear applications (open-end).

Sections and nominal dimensions



| | Pitch mm | T mm | B mm |
|------|-------------|---------|---------|
| T2.5 | 2.5 | 0.7 | 1.3 |
| T5 | 5 | 1.2 | 2.2 |
| T10 | 10 | 2.5 | 4.5 |
| T20 | 20 | 5 | 8 |



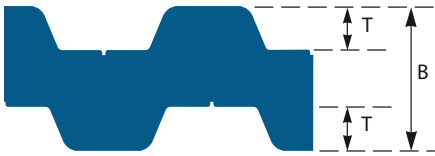
| | Pitch mm | T mm | B mm |
|--------|-------------|---------|---------|
| HTD5M | 5 | 2.1 | 3.6 |
| HTD8M | 8 | 3.4 | 5.6 |
| HTD14M | 14 | 6 | 10 |



| | Pitch mm | T mm | B mm |
|------|-------------|---------|---------|
| AT5 | 5 | 1.2 | 2.7 |
| AT10 | 10 | 2.5 | 4.5 |
| AT20 | 20 | 5 | 8 |



| | Pitch mm | T mm | B mm |
|-------|-------------|---------|---------|
| STD5M | 5 | 1.9 | 3.3 |
| STD8M | 8 | 3.0 | 5.1 |



| | Pitch mm | T mm | B mm |
|--------|-------------|---------|---------|
| DL-T5 | 5 | 1.2 | 3.3 |
| DL-T10 | 10 | 2.5 | 6.8 |



| | Pitch mm | T mm | B mm |
|----|-------------|---------|---------|
| XL | 5.08 | 1.27 | 2.29 |
| L | 9.525 | 1.90 | 3.56 |
| H | 12.7 | 2.29 | 4.06 |
| XH | 22.225 | 6.35 | 11.18 |



| | Pitch mm | T mm | B mm |
|-------|-------------|---------|---------|
| ATL5 | 5 | 1.2 | 2.7 |
| ATL10 | 10 | 2.5 | 4.8 |
| ATL20 | 20 | 5 | 8 |



| | B mm |
|-----|---------|
| F8 | 2 |
| F12 | 3.2 |

Endless belts

T2.5

Pitch: 2.5 mm

| Description | Pitch length mm | Number of teeth |
|-------------|-----------------------|-----------------------|
| PU-T2.5 | 120 | 48 |
| PU-T2.5 | 145 | 58 |
| PU-T2.5 | 160 | 64 |
| PU-T2.5 | 177 | 71 |
| PU-T2.5 | 200 | 80 |
| PU-T2.5 | 230 | 92 |
| PU-T2.5 | 245 | 98 |
| PU-T2.5 | 265 | 106 |
| PU-T2.5 | 285 | 114 |
| PU-T2.5 | 305 | 122 |
| PU-T2.5 | 317 | 127 |
| PU-T2.5 | 330 | 132 |
| PU-T2.5 | 380 | 152 |
| PU-T2.5 | 420 | 168 |
| PU-T2.5 | 480 | 192 |
| PU-T2.5 | 500 | 200 |
| PU-T2.5 | 600 | 240 |
| PU-T2.5 | 620 | 248 |
| PU-T2.5 | 650 | 260 |
| PU-T2.5 | 780 | 312 |
| PU-T2.5 | 915 | 366 |
| PU-T2.5 | 950 | 380 |

Available in widths of 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm and 50 mm.



| T5 | | |
|-------------|-----------------|-----------------|
| Pitch: 5 mm | | |
| Description | Pitch length mm | Number of teeth |
| PU-T5 | 150 | 30 |
| PU-T5 | 165 | 33 |
| PU-T5 | 180 | 36 |
| PU-T5 | 185 | 37 |
| PU-T5 | 200 | 40 |
| PU-T5 | 215 | 43 |
| PU-T5 | 220 | 44 |
| PU-T5 | 225 | 45 |
| PU-T5 | 245 | 49 |
| PU-T5 | 250 | 50 |
| PU-T5 | 255 | 51 |
| PU-T5 | 260 | 52 |
| PU-T5 | 270 | 54 |
| PU-T5 | 275 | 55 |
| PU-T5 | 280 | 56 |
| PU-T5 | 295 | 59 |
| PU-T5 | 305 | 61 |
| PU-T5 | 315 | 63 |
| PU-T5 | 330 | 66 |
| PU-T5 | 340 | 68 |
| PU-T5 | 350 | 70 |
| PU-T5 | 355 | 71 |
| PU-T5 | 365 | 73 |
| PU-T5 | 390 | 78 |
| PU-T5 | 400 | 80 |
| PU-T5 | 410 | 82 |
| PU-T5 | 420 | 84 |
| PU-T5 | 445 | 89 |
| PU-T5 | 450 | 90 |
| PU-T5 | 455 | 91 |
| PU-T5 | 475 | 95 |
| PU-T5 | 480 | 96 |
| PU-T5 | 500 | 100 |
| PU-T5 | 510 | 102 |
| PU-T5 | 525 | 105 |
| PU-T5 | 545 | 109 |
| PU-T5 | 550 | 110 |
| PU-T5 | 560 | 112 |
| PU-T5 | 575 | 115 |
| PU-T5 | 590 | 118 |
| PU-T5 | 600 | 120 |
| PU-T5 | 610 | 122 |
| PU-T5 | 620 | 124 |
| PU-T5 | 630 | 126 |
| PU-T5 | 640 | 128 |
| PU-T5 | 650 | 130 |
| PU-T5 | 660 | 132 |
| PU-T5 | 675 | 135 |
| PU-T5 | 690 | 138 |
| PU-T5 | 700 | 140 |
| PU-T5 | 720 | 144 |
| PU-T5 | 725 | 145 |
| PU-T5 | 750 | 150 |
| PU-T5 | 780 | 156 |
| PU-T5 | 800 | 160 |
| PU-T5 | 815 | 163 |
| PU-T5 | 840 | 168 |
| PU-T5 | 850 | 170 |
| PU-T5 | 900 | 180 |
| PU-T5 | 940 | 188 |
| PU-T5 | 990 | 198 |
| PU-T5 | 1075 | 215 |
| PU-T5 | 1100 | 220 |
| PU-T5 | 1215 | 243 |
| PU-T5 | 1315 | 263 |
| PU-T5 | 1380 | 276 |

Available in widths of 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 50 mm and 75 mm.

| T10 | | |
|--------------|-----------------|-----------------|
| Pitch: 10 mm | | |
| Description | Pitch length mm | Number of teeth |
| PU-T10 | 260 | 26 |
| PU-T10 | 370 | 37 |
| PU-T10 | 400 | 40 |
| PU-T10 | 410 | 41 |
| PU-T10 | 440 | 44 |
| PU-T10 | 450 | 45 |
| PU-T10 | 500 | 50 |
| PU-T10 | 530 | 53 |
| PU-T10 | 560 | 56 |
| PU-T10 | 600 | 60 |
| PU-T10 | 610 | 61 |
| PU-T10 | 630 | 63 |
| PU-T10 | 660 | 66 |
| PU-T10 | 690 | 69 |
| PU-T10 | 700 | 70 |
| PU-T10 | 720 | 72 |
| PU-T10 | 730 | 73 |
| PU-T10 | 750 | 75 |
| PU-T10 | 780 | 78 |
| PU-T10 | 800 | 80 |
| PU-T10 | 810 | 81 |
| PU-T10 | 840 | 84 |
| PU-T10 | 850 | 85 |
| PU-T10 | 880 | 88 |
| PU-T10 | 890 | 89 |
| PU-T10 | 900 | 90 |
| PU-T10 | 910 | 91 |
| PU-T10 | 920 | 92 |
| PU-T10 | 950 | 95 |
| PU-T10 | 960 | 96 |
| PU-T10 | 970 | 97 |
| PU-T10 | 980 | 98 |
| PU-T10 | 1000 | 100 |
| PU-T10 | 1010 | 101 |
| PU-T10 | 1080 | 108 |
| PU-T10 | 1100 | 110 |
| PU-T10 | 1110 | 111 |
| PU-T10 | 1140 | 114 |
| PU-T10 | 1150 | 115 |
| PU-T10 | 1210 | 121 |
| PU-T10 | 1240 | 124 |
| PU-T10 | 1250 | 125 |
| PU-T10 | 1300 | 130 |
| PU-T10 | 1320 | 132 |
| PU-T10 | 1350 | 135 |
| PU-T10 | 1390 | 139 |
| PU-T10 | 1400 | 140 |
| PU-T10 | 1420 | 142 |
| PU-T10 | 1450 | 145 |
| PU-T10 | 1460 | 146 |
| PU-T10 | 1500 | 150 |
| PU-T10 | 1560 | 156 |
| PU-T10 | 1600 | 160 |
| PU-T10 | 1610 | 161 |
| PU-T10 | 1700 | 170 |
| PU-T10 | 1750 | 175 |
| PU-T10 | 1780 | 178 |
| PU-T10 | 1880 | 188 |
| PU-T10 | 1960 | 196 |
| PU-T10 | 2250 | 225 |

Available in widths of 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 50 mm and 75 mm.

| AT5 | | |
|-------------|-----------------|-----------------|
| Pitch: 5 mm | | |
| Description | Pitch length mm | Number of teeth |
| PU-AT5 | 225 | 45 |
| PU-AT5 | 255 | 51 |
| PU-AT5 | 275 | 55 |
| PU-AT5 | 280 | 56 |
| PU-AT5 | 300 | 60 |
| PU-AT5 | 340 | 68 |
| PU-AT5 | 375 | 75 |
| PU-AT5 | 390 | 78 |
| PU-AT5 | 420 | 84 |
| PU-AT5 | 455 | 91 |
| PU-AT5 | 500 | 100 |
| PU-AT5 | 545 | 109 |
| PU-AT5 | 600 | 120 |
| PU-AT5 | 610 | 122 |
| PU-AT5 | 620 | 124 |
| PU-AT5 | 630 | 126 |
| PU-AT5 | 660 | 132 |
| PU-AT5 | 720 | 144 |
| PU-AT5 | 750 | 150 |
| PU-AT5 | 780 | 156 |
| PU-AT5 | 825 | 165 |
| PU-AT5 | 975 | 195 |
| PU-AT5 | 1050 | 210 |
| PU-AT5 | 1125 | 225 |
| PU-AT5 | 1500 | 300 |

Available in widths of 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 50 mm and 75 mm.

| AT10 | | |
|--------------|-----------------|-----------------|
| Pitch: 10 mm | | |
| Description | Pitch length mm | Number of teeth |
| PU-AT10 | 500 | 50 |
| PU-AT10 | 560 | 56 |
| PU-AT10 | 610 | 61 |
| PU-AT10 | 660 | 66 |
| PU-AT10 | 700 | 70 |
| PU-AT10 | 730 | 73 |
| PU-AT10 | 780 | 78 |
| PU-AT10 | 800 | 80 |
| PU-AT10 | 810 | 81 |
| PU-AT10 | 840 | 84 |
| PU-AT10 | 890 | 89 |
| PU-AT10 | 920 | 92 |
| PU-AT10 | 960 | 96 |
| PU-AT10 | 980 | 98 |
| PU-AT10 | 1010 | 101 |
| PU-AT10 | 1050 | 105 |
| PU-AT10 | 1080 | 108 |
| PU-AT10 | 1150 | 115 |
| PU-AT10 | 1210 | 121 |
| PU-AT10 | 1250 | 125 |
| PU-AT10 | 1320 | 132 |
| PU-AT10 | 1400 | 140 |
| PU-AT10 | 1500 | 150 |
| PU-AT10 | 1600 | 160 |
| PU-AT10 | 1700 | 170 |
| PU-AT10 | 1800 | 180 |

Available in widths of 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 50 mm and 75 mm.

| DL-T5 | | |
|-------------|-----------------|-----------------|
| Pitch: 5 mm | | |
| Description | Pitch length mm | Number of teeth |
| DL-PU-T5 | 410 | 82 |
| DL-PU-T5 | 460 | 92 |
| DL-PU-T5 | 480 | 96 |
| DL-PU-T5 | 515 | 103 |
| DL-PU-T5 | 590 | 118 |
| DL-PU-T5 | 620 | 124 |
| DL-PU-T5 | 750 | 150 |
| DL-PU-T5 | 815 | 163 |
| DL-PU-T5 | 860 | 172 |
| DL-PU-T5 | 940 | 188 |
| DL-PU-T5 | 1100 | 220 |

Available in widths of 6 mm, 8 mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 50 mm and 75 mm.

| DL-T10 | | |
|--------------|-----------------|-----------------|
| Pitch: 10 mm | | |
| Description | Pitch length mm | Number of teeth |
| DL-PU-T10 | 260 | 26 |
| DL-PU-T10 | 530 | 53 |
| DL-PU-T10 | 630 | 63 |
| DL-PU-T10 | 660 | 66 |
| DL-PU-T10 | 720 | 72 |
| DL-PU-T10 | 840 | 84 |
| DL-PU-T10 | 980 | 98 |
| DL-PU-T10 | 1210 | 121 |
| DL-PU-T10 | 1240 | 124 |
| DL-PU-T10 | 1250 | 125 |
| DL-PU-T10 | 1320 | 132 |
| DL-PU-T10 | 1350 | 135 |
| DL-PU-T10 | 1420 | 142 |
| DL-PU-T10 | 1610 | 161 |
| DL-PU-T10 | 1880 | 188 |

Available in widths of 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm and 50 mm.

Endless Synchro-Power®
ordering code is composed as follows:

- T10-440-50**
- T10** - Pitch T10 (10 mm)
- 440** - Pitch length (mm)
- 50** - Belt width (mm)

All dimensions are available from stock.



Open-end belts

| Pitch | Widths | Roll length (m) | Steel cords | | | | Aramid cords | | | | Stainless steel cords |
|---------|---|-----------------|-------------|----|----|-----|--------------|----|----|-----|-----------------------|
| | | | STAND. | NB | NT | NTB | STAND. | NB | NT | NTB | NIRO |
| T5 | 10, 16, 25, 32, 50, 75, 100 mm | 100 | X | X | X | X | X | X | X | X | |
| T10 | 12, 16, 25, 32, 40, 50, 75, 100, 150 mm | 100 | X | X | X | X | X | X | X | X | |
| T10HB | 12, 16, 25, 32, 40, 50, 75, 100, 150 mm | 100 | X | | X | | X | | X | | |
| T10HF | 12, 16, 25, 32, 40, 50, 75, 100, 150 mm | 100 | X | X | X | X | | | | | |
| T20 | 25, 32, 50, 75, 100, 150 mm | 50 | X | X | X | X | X | | | | |
| | | | | | | | | | | | |
| AT5 | 10, 16, 25, 32, 50, 75, 100 mm | 100 | X | X | X | X | X | | X | | |
| AT10 | 16, 25, 32, 50, 75, 100, 150 mm | 100 | X | X | X | X | X | X | X | X | X |
| AT10HB | 16, 25, 32, 50, 75, 100, 150 mm | 100 | X | X | X | X | | | | | |
| AT20 | 25, 32, 50, 75, 100, 150 mm | 50 | X | X | X | X | | | | | |
| | | | | | | | | | | | |
| ATL5 | 10, 16, 25, 32, 50 mm | 100 | X | X | X | X | | | | | |
| ATL10 | 16, 25, 32, 50, 75, 100, 150 mm | 100 | X | X | X | X | | | | | |
| ATL10HF | 16, 25, 32, 50, 75, 100, 150 mm | 100 | X | X | X | X | | | | | |
| ATL20 | 32, 50, 75, 100, 150 mm | 50 | X | X | X | X | | | | | |
| | | | | | | | | | | | |
| HTD5M | 10, 15, 20, 25, 50, 85, 100, 150 mm | 100 | X | X | X | X | X | X | X | X | |
| HTD8M | 10, 15, 20, 25, 30, 50, 85, 100, 150 mm | 100 | X | X | X | X | X | X | X | X | X |
| HTD14M | 25, 40, 55, 85, 115, 170 mm | 50 | X | | X | X | | | | | |
| HTDL14M | 55, 85, 115, 170 mm | 50 | X | | X | X | | | | | |
| HPL14M | 55, 85, 115, 170 mm | 50 | | | X | X | | | | | |
| STD5M | 5, 10, 15, 20, 25, 30, 50 mm | 100 | X | X | X | X | | | | | |
| STD8M | 10, 15, 20, 25, 30, 50, 85, 100 mm | 100 | X | X | X | X | | | | | |
| | | | | | | | | | | | |
| XL | 025, 031, 037, 050, 075, 100, 200 | 61 | X | X | X | X | X | X | X | X | |
| L | 037, 050, 075, 100, 150, 200, 400 | 61 | X | X | X | X | X | X | X | X | |
| H | 050, 075, 100, 150, 200, 300, 400, 600 | 61 | X | X | X | X | X | X | X | X | |
| XH | 100, 150, 200, 300, 400, 600 | 61 | X | X | X | X | | | | | |
| | | | | | | | | | | | |
| F8 | 100, 150, 200, 300, 400 | 61 | X | X | X | X | | | | | |
| F12 | 100, 150, 200, 300, 400 | 61 | X | X | X | X | | | | | |

| Abbreviations: | |
|----------------|-------------------------------------|
| STAND. | Standard |
| NB | Nylon back |
| NT | Nylon teeth |
| NTB | Nylon teeth and back |
| NIRO | Stainless steel |
| HB | Heavy backing PU |
| HF | High flexible steel cords |
| TL | Profile with reinforced steel cords |

Open-end Synchro -Power®
ordering code is composed as follows:

PU-T10-50-100M-AR-NB

PU - Polyurethane
T10 - Pitch T10 (10 mm)
50 - Belt width (mm)
100M - Roll length (m)
AR - Aramid tensile cords
NB - Nylon back

Please refer to the Gates Price List for specifics on stock availability.

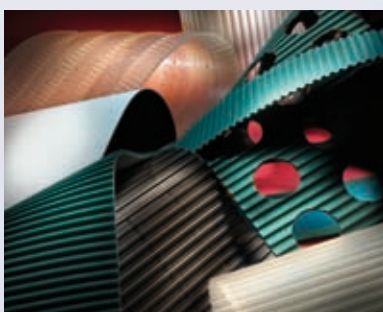


CUSTOMIZED POLYURETHANE BELT PRODUCTS

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.

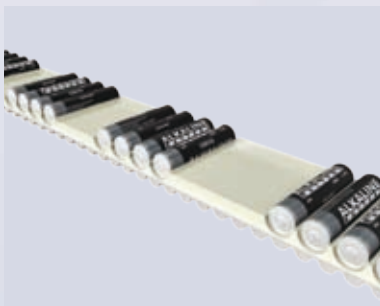


BACKINGS

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

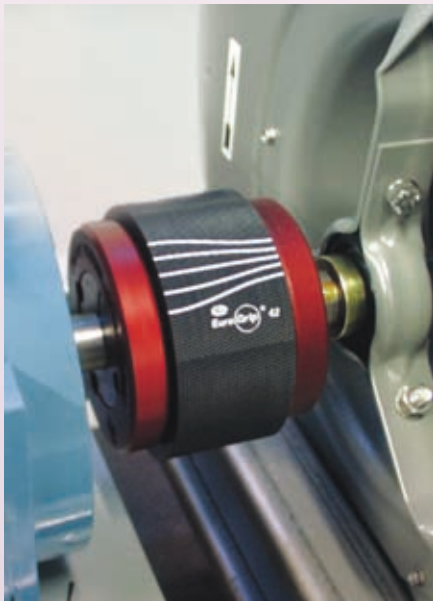
Gates offers you the combination of primary tooling and secondary machining to achieve any design potential. Whether grinding edges and surfaces to tight tolerances, punching and machining holes and slots or CNC machining of three dimensional contours, Gates can provide a complete and precise solution.



EUROGRIP®

Flexible couplings

EuroGrip® flexible couplings are designed to connect two shafts subject to misalignment and axial movement and relieve the stress that would result from a rigid coupling. They consist of a rubber sleeve and two metal end pieces. Their design is unique, with their OGEE lines allowing the coupling to act as a torque/life indicator for the drive. Gates EuroGrip® flexible couplings are available in sizes 19, 28, 42, 48 and 60 and are bored to suit a taper bush or a plain bore and keyway. They have high vibration damping capacity, which makes them especially suitable for direct drive applications in e.g. pumps and compressors. Their high compliance is especially appreciated by designers of speed control systems, where resonance can be a problem. The zero backlash characteristics result in high positioning accuracy and repeatability, allowing a wide range of applications in the linear actuator market.



Construction

- Unique OGEE lines on the sleeve are an indicator of torque and product life.
- Sleeves are made of a high-performance elastomeric compound. The sleeve design allows the coupling to act as a predictable fuse in the system.
- End pieces are made of a high-grade aluminium to reduce weight and inertia. The aluminium end pieces are anodised to increase wear resistance and strength. Available either with finished bore and keyway or to suit a taper bush.
- Temperature ranges from -25°C to +100°C.

Advantages

- High vibration damping. Damping increases with load, which will prevent resonance.
- Quiet in operation.
- Zero backlash and, consequently, high positioning accuracy.
- Easy to install and to replace. Can be inspected without stopping the drive.
- Built-in safety measure: the driven machine will stop when the coupling fails.
- High tolerance of combinations of radial and angular misalignment.
- Durable.
- Low inertia.
- Compact design.
- Light weight.

NOTE

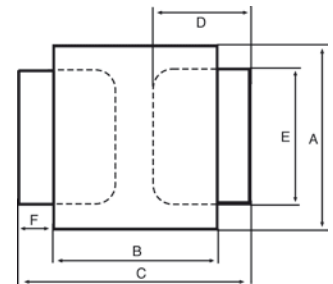
For correct usage of the EuroGrip® flexible couplings, please request Gates' EuroGrip® manual (E2/20103).



Sleeve dimensions

The principal dimensions of a EuroGrip® sleeve are the outside diameter, the sleeve length and the total coupling length. Gates EuroGrip® couplings are made in sizes 19, 28, 42, 48 and 60.

| Coupling size code | Nominal shaft mm | Sleeve OD mm (A) | Sleeve length mm (B) | Sleeve weight g | Coupling total length mm (C) |
|--------------------|------------------|------------------|----------------------|-----------------|------------------------------|
| 19 | 19 | 46 | 28 | 35 | 48 |
| 28 | 28 | 77 | 38 | 125 | 60 |
| 42 | 42 | 102 | 48 | 250 | 80 |
| 48 | 48 | 126 | 58 | 450 | 94 |
| 60 | 60 | 150 | 65 | 750 | 105 |



End piece dimensions

The principal dimensions of a EuroGrip® end piece are the taper bush size, the bore, the end piece length and the shoulder diameter.

| Coupling size code | Back fixed taper bush | Front fixed taper bush | Standard bore mm | End piece length mm (D) | Shoulder diameter mm (E) | Shoulder thickness mm (F) | Over tooth diameter mm | Inertia J kgm ² | Weight with MPB ⁽²⁾ g |
|--------------------|-----------------------|------------------------|------------------|-------------------------|--------------------------|---------------------------|------------------------|----------------------------|----------------------------------|
| 19 ⁽¹⁾ | MPB ⁽²⁾ | MPB ⁽²⁾ | 14 / 19 | 22 | 42 | 9 | 36 | 0.000009 | 50 |
| 28 | 1108 | 1008 | 24 / 28 | 28 | 72 | 11 | 62 | 0.000105 | 200 |
| 42 | 1615 | 1215 | 38 / 42 | 38 | 96 | 16 | 84 | 0.000469 | 550 |
| 48 | 2017 | 1615 | 48 | 45 | 118 | 18 | 104 | 0.001330 | 1000 |
| 60 | 2517 | 2017 | 55 / 60 | 50 | 136 | 20 | 120 | 0.002572 | 1350 |

(1) Size 19 available with bore and key only. All other EuroGrip® couplings (sizes 28, 42, 48 and 60) available with bore and key or to suit taper bush. Size 28 with 1108 taper bush requires a shallow key.

(2) MPB = Minimum Plain Bore.

NOTE

End pieces are keyed according to ISO. Bore is to tolerance H7 fit (ISO). End pieces are also available with unfinished bore.

Part numbers

| Coupling | Part | Part number | Part | Part number |
|----------|--------|-------------|---|-------------|
| 19 | Sleeve | 9901-51901 | 14 mm bore end piece | 01914 |
| | | | 19 mm bore end piece | 01919 |
| | | | MPB end piece | 01900 |
| 28 | Sleeve | 9901-52801 | 24 mm bore end piece | 02824 |
| | | | End piece for taper bush - back fixed (1108) | 9902-02801 |
| | | | End piece for taper bush - front fixed (1008) | 9902-02802 |
| 42 | Sleeve | 9901-54201 | 38 mm bore end piece | 04238 |
| | | | End piece for taper bush - back fixed (1615) | 9902-04201 |
| | | | End piece for taper bush - front fixed (1215) | 9902-04202 |
| 48 | Sleeve | 9901-54801 | 48 mm bore end piece | 04848 |
| | | | End piece for taper bush - back fixed (2017) | 9902-04801 |
| | | | End piece for taper bush - front fixed (1615) | 9902-04802 |
| 60 | Sleeve | 9901-56001 | 55 mm bore end piece | 06055 |
| | | | End piece for taper bush - back fixed (2517) | 9902-06001 |
| | | | End piece for taper bush - front fixed (2017) | 9902-06002 |



507C

Sonic tension meter

Correct belt installation tension is essential for optimum performance and reliability of multi-ribbed, V-belt and synchronous belt drives. The 507C sonic tension meter ensures simple and extremely accurate tension measurement by analysing sound waves from the belt through the sensor. It processes the input signals and displays the accurate tension measurement digitally.

Gates' tension tester is user-friendly: it is compact, computerised and stores data for repetitive use. Gates' sonic tension tester measures belt tension accurately every time.

It is supplied with a handy instruction manual.



Technical characteristics

- H 160 mm x D 26 mm x W 59 mm.
- Batteries: 2 x AAA.
- Suitable for multi-ribbed belts, V-belts and synchronous belts.
- Measurement range: 10 Hz to 5,000 Hz.
- Measured accuracy: $\pm 1\%$.
- LCD screen backlight.
- Double display possible (Newton and/or Hz).
- Flexible sensor.
- Cord sensor, inductive sensor and oscillator available on request.
- Stores weight, width and span constants for up to twenty different drive systems.
- Auto gain adjustment function automatically eliminates background noise.
- To save energy, the device shuts off automatically after five minutes of inactivity.
- CE approved.
- RoHS compatible: the device complies with the European Directive (2002/95/EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Optional accessories

Cord sensor

The cord sensor is recommended for measuring tensions at a distance from the tension meter.

Inductive sensor

The inductive sensor is recommended for measurement particularly in noisy or windy environments. A steel clip to the back of the belt is required to measure the vibration frequency.

Sonic tension meter calibrator - model U-305-OS1

This special calibrator (oscillator) is available for the frequency test of the 507C sonic tension meter. This oscillator generates 5 types of oscillations (sine wave): 25, 90, 500, 2000 and 4000 Hz. It features a frequency accuracy of 0.1% or even lower.



CALIBRATOR MODEL U-305-OS1

NOTE

GATES SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.



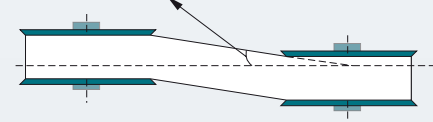
LASER AT-1

Laser alignment device

A fast and accurate method to measure misalignment is ensured by Gates' unique laser alignment device, LASER AT-1. Mounted in a few seconds, the laser line projected onto the targets allows you to quickly ascertain and correct misalignment. It identifies parallel as well as angular misalignment between the pulleys and is suitable for pulley diameters of 60 mm and larger. It is so light it can be mounted on non-magnetic pulleys with the double sided adhesive tape and used on both horizontal and vertical shaft installations.



Parallel misalignment



Angular misalignment



Technical characteristics

- H 87 mm x D 28 mm x W 147 mm
- Weight: 0.25 kg
- Battery: 1 x R6 (AA) 1.5 V
- Battery operation 8 hours continuously
- Suitable for both V- and synchronous belts
- Measurement distance: 10 m (33 ft)
- Pulley diameters: ≥ 60 mm
- Beam angle: 78°
- Laser class 2
- Output power: < 1 mW
- Laser wave length: 635 – 670 nm
- Temperature range: -10°C up to $+50^\circ\text{C}$
- Housing: ABS plastics
- Back plate: anodised aluminium
- Calibration accuracy: offset < 0.5 mm; angle $< 0.1^\circ$
- Targets: 2 pieces magnet targets with adjustable centre line

NOTE

THE LASER AT-1 SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.



MRO ENGINEERING TOOL BAG

Choosing Gates is not just buying industrial belts but being assured of the power of an established brand name. Nearly 100 years of continuous research enables us to offer unique experience in solving drive system problems. Gates technical teams have the expertise to develop the right drive system solution for any problem. And not unimportant... they use a set of handy and practical tools to conduct drive analysis.

Gates offers you this complete set of specialised tools gathered together in one bag, the Gates MRO engineering tool bag. To facilitate belt drive inspection and maintenance of your machinery, you simply need to have the right tool at hand.



Tool bag contents

Analytical tools

- Strobe light
- Infra-red thermometer
- Laser alignment device
- Sound level meter
- Digital multimeter
- 3 different tension meters
- Digital caliper

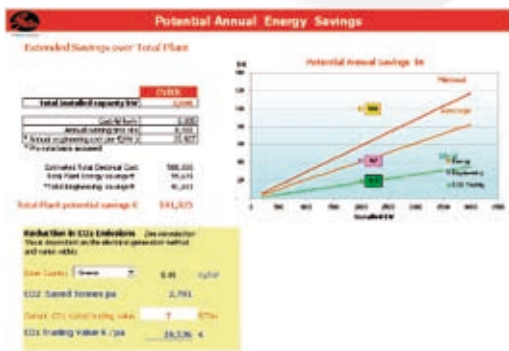
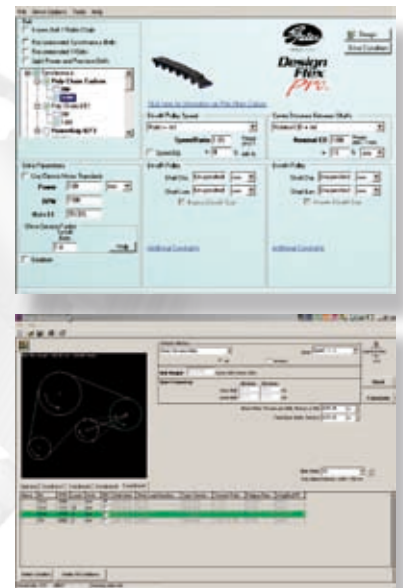
Support tools

- Flashlight
- 2 different screwdriver sets
- Eye protector
- Length gauge
- Multitool
- Inspection mirror
- Ear protector
- Overall
- Digital camera

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.

Gates drive design software

Gates puts forward two fast and easy resources for selecting and maintaining belt drive systems. DesignFlex® Pro™ and Design IQ™, online drive design and engineering tools, assist designers in quickly selecting optimum drive solutions. With the Gates multilingual DesignFlex® Pro™ programme, you can design a drive in minutes, and get every possible drive solution that fits your design parameters. Plus, you can print, e-mail and create a PDF of the design specifications. Design IQ™ provides a blank slate for designing multipoint and complex serpentine belt drives. Utilising a specific Gates product that you have identified, as well as your drive specifications, the software will calculate belt tension, shaft load, belt length and more.

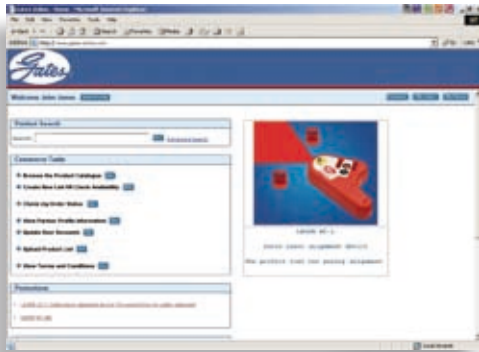


Gates cost saving programme

Gates' technical and commercial teams are available to perform plant surveys on customers' premises: Gates' distributors and application engineers conduct performance evaluations and develop a maintenance recommendation plan for energy cost savings. They evaluate current belt drive efficiencies using DesignFlex® Pro™ and Gates Cost Saving Calculation Tool and can develop a preventive maintenance programme to maximise the life of all belt drives in your facility. The energy saving calculations are based on the best information available and represent the typical saving that can be expected from correctly installed drive systems.



SUPPORT



Gates e-commerce website

By going online registered Gates distributors can find the most current product information, enter orders 24 hours/day and track orders at any time. Gates electronic price lists both in EXCEL and PDF formats can be consulted from the e-commerce website **www.gates-online.com**. You can download the price list relevant to you: base price list, net price list or market price list. Find out how to draw up your own price list by selecting product categories and entering figures. To obtain a price list with your own company logo, send the logo over to us and we will provide you with a customised copy.

Gates literature and website

Please consult our website at **www.gates.com/europe/pti** for specific and updated information on all Gates industrial belt products and our list of available literature. Industrial Power Transmission brochures and leaflets can be downloaded there. Distributors may link up with the Gates European site thus supplying visitors with updated information on the European Gates organisation.



Gates manufacturing and distribution in Europe

Gates Power Transmission Industrial has product dedicated production sites in Germany, Poland, Scotland, France and Spain. Distribution is handled from one central warehouse in Ghent (Belgium).





ADDRESSES

Operations

GERMANY

Gates GmbH Aachen

Eisenbahnweg 50
D - 52068 Aachen
TL: (49) 241 5108 0
FX: (49) 241 5108 297

UNITED KINGDOM

Gates Power Transmission Ltd

Tinwald Downs Road
Heathhall - Dumfries DG1 1TS
TL: (44) 1387 24 20 00
FX: (44) 1387 24 20 10

POLAND

Gates Polska Sp. z o.o.

Ul. Jaworzyńska 301
PL - 59-220 Legnica
TL: (48) 76 855 10 00
FX: (48) 76 855 10 01

SPAIN

Gates Power Transmission Spain S.A.

Polígono Industrial
Les Malloles
E - 08660 Balsareny (Barcelona)
TL: (34) 93 877 70 00
FX: (34) 93 877 70 39

FRANCE

Gates S.A.S.

111, rue Francis Garnier B.P. 37
F - 58027 Nevers - Cedex
TL: (33) 3 86 71 75 00
FX: (33) 3 86 36 62 52

Sales offices

BELGIUM

Gates Power Transmission bvba

Dr. Carlierlaan 30
B - 9320 Erembodegem
TL: (32) 53 76 28 41
FX: (32) 53 76 26 09

GERMANY

Gates GmbH Aachen

Eisenbahnweg 50
D - 52068 Aachen
TL: (49) 241 5108 226
FX: (49) 241 5108 297

FRANCE

Gates France S.A.R.L. B.P. 37

2, Rue de la Briqueterie
Zone Industrielle
F - 95380 Louvres
TL: (33) 1 34 47 41 45
FX: (33) 1 34 72 60 54

Gates Mectrol GmbH

Werner von Siemens Straße 2

D - 64319 Pfungstadt
TL: (49) 6 157 9727 0
FX: (49) 6 157 9727 272

ITALY

Gates S.R.L.

Via Senigallia 18
(Int. 2 - Blocco A - Edificio 1)
I - 20161 Milano MI
TL: (39) 02 662 16 222
FX: (39) 02 662 21 851

RUSSIA

Gates CIS LLC

1-st Dobryninsky per.
building 15/7
Moscow - 115 093
TL: (7) 495 933 83 78
FX: (7) 495 648 92 72

Web site and e-mail address

www.gates.com/europe/pti
ptiindustrial@gates.com

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