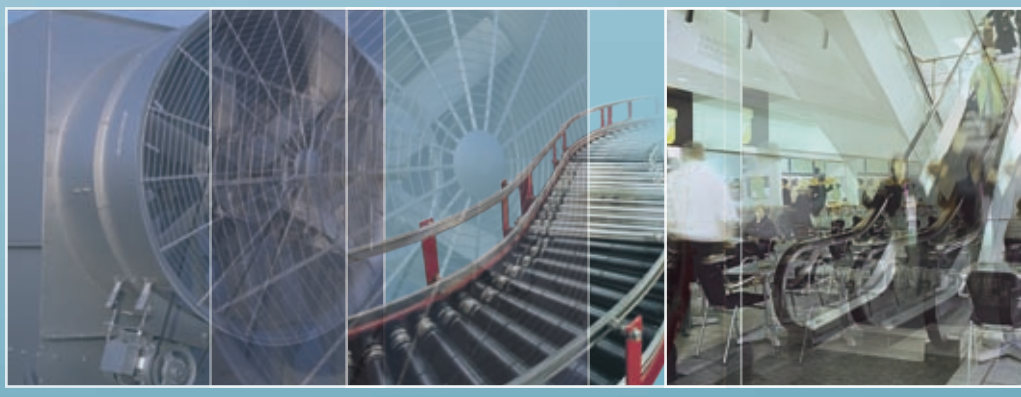
E2/20054 ED 2009

Gates Industrial Power Transmission

A comprehensive product range

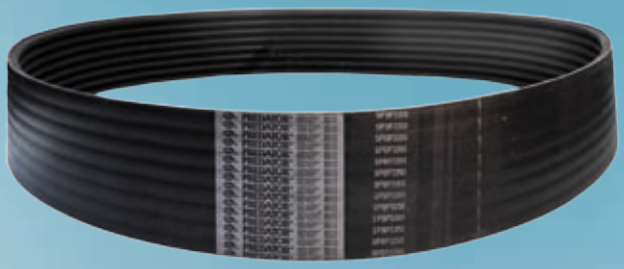


Gates®

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

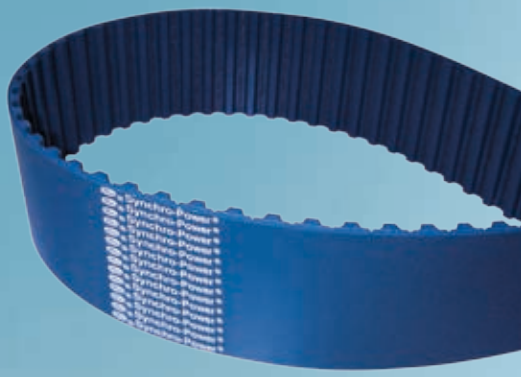
Ever since John Gates invented the world's first rubber V-belt in 1917, Gates has been the leader in the design of power transmission systems for industrial applications and in the manufacture of technically advanced belt drive systems. All Gates' industrial V-belts feature superior performance through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

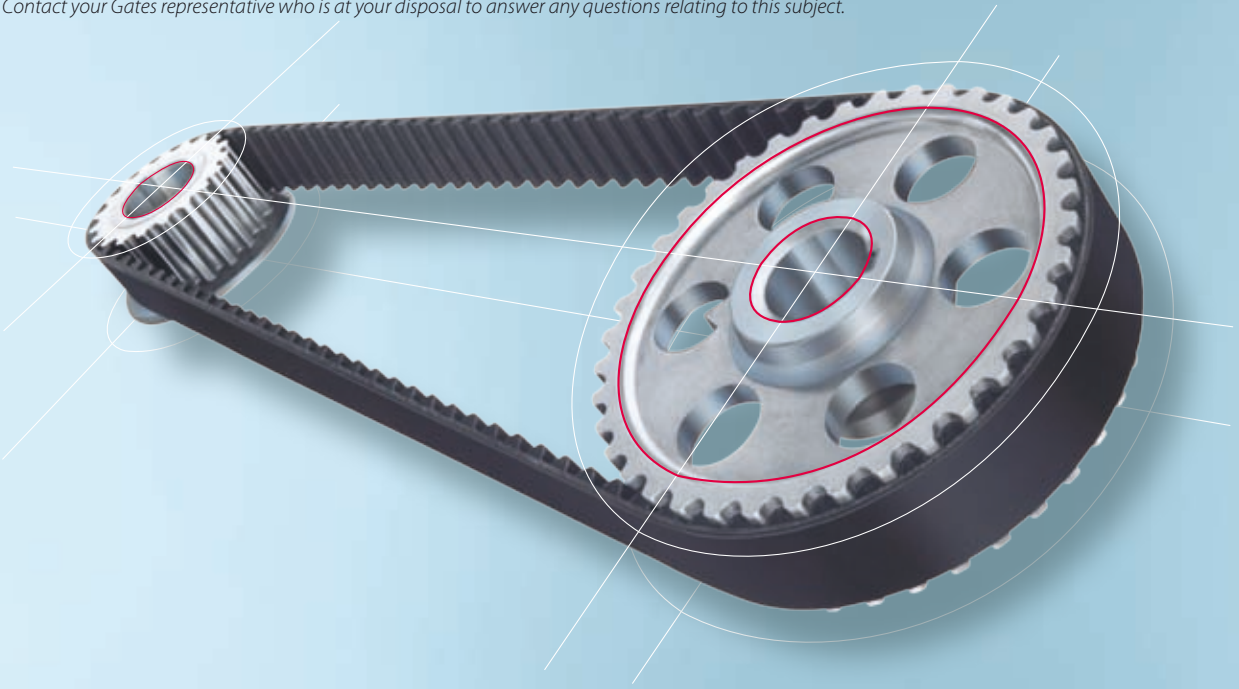
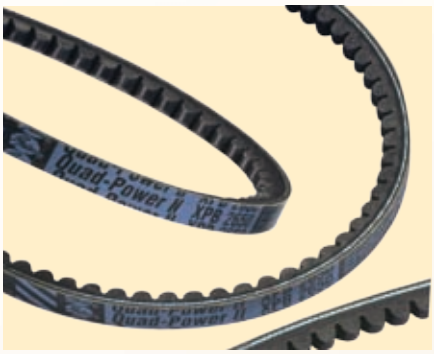


Table of contents

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

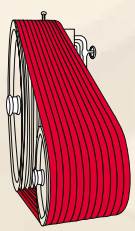
- Optimised notch profile reduces and evenly distributes thermal and bending stresses and increases energy efficiency. Notch depth is in proportion to the cross-section to ensure perfect stability.
- Precision-ground sidewalls give a uniform wedging action.
- Fibre-loaded elastomeric compound withstands 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

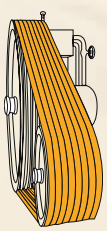
- One of the most powerful belts in Gates' industrial V-belt range.
- Excellent performance/cost ratio.
- Increased transmission efficiency as compared to other V-belt types.
- Cost and space savings.
- Savings on pulley cost.
- Maximum belt life reducing maintenance time.
- Match system: all sizes meet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

Sections and nominal dimensions

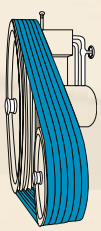
	Width mm	Height mm
XPZ	10	8
XPA	13	10
XPB	16	13
XPC	22	18



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

Description ISO	Datum length mm ISO
XPZ630	**630**
XPZ637	**637**
XPZ662	**662**
XPZ670	**670**
XPZ687	**687**
XPZ710	**710**
XPZ722	**722**
XPZ730	**730**
XPZ737	**737**
XPZ750	**750**
XPZ760	**760**
XPZ762	**762**
XPZ772	**772**
XPZ787	**787**
XPZ800	**800**
XPZ812	**812**
XPZ837	**837**
XPZ850	**850**
XPZ862	**862**
XPZ875	**875**
XPZ887	**887**
XPZ900	**900**
XPZ912	**912**
XPZ925	**925**
XPZ937	**937**
XPZ950	**950**
XPZ962	**962**
XPZ975	**975**
XPZ980	**980**
XPZ987	**987**
XPZ1000	**1000**
XPZ1010	**1010**
XPZ1012	**1012**
XPZ1030	**1030**
XPZ1037	**1037**
XPZ1060	**1060**
XPZ1062	**1062**
XPZ1077	**1077**
XPZ1080	**1080**
XPZ1087	**1087**
XPZ1090	**1090**
XPZ1112	**1112**
XPZ1120	**1120**
XPZ1137	**1137**
XPZ1140	**1140**
XPZ1150	**1150**
XPZ1162	**1162**
XPZ1180	**1180**
XPZ1187	**1187**
XPZ1200	**1200**
XPZ1202	**1202**
XPZ1212	**1212**
XPZ1237	**1237**
XPZ1250	**1250**
XPZ1262	**1262**
XPZ1270	**1270**
XPZ1280	**1280**
XPZ1285	**1285**
XPZ1287	**1287**
XPZ1312	**1312**
XPZ1320	**1320**
XPZ1337	**1337**
XPZ1340	**1340**
XPZ1362	**1362**
XPZ1400	**1400**
XPZ1412	**1412**
XPZ1420	**1420**
XPZ1450	**1450**
XPZ1487	**1487**
XPZ1500	**1500**

Description ISO	Datum length mm ISO
XPZ1512	**1512**
XPZ1520	**1520**
XPZ1537	**1537**
XPZ1550	**1550**
XPZ1587	**1587**
XPZ1600	**1600**
XPZ1650	**1650**
XPZ1687	**1687**
XPZ1700	**1700**
XPZ1750	**1750**
XPZ1800	**1800**
XPZ1850	**1850**
XPZ1900	**1900**
XPZ1950	**1950**
XPZ2000	**2000**
XPZ2030	**2030**
XPZ2120	**2120**
XPZ2160	**2160**
XPZ2240	**2240**
XPZ2280	**2280**
XPZ2360	**2360**
XPZ2410	**2410**
XPZ2500	**2500**
XPZ2540	**2540**
XPZ2650	**2650**
XPZ2690	**2690**
XPZ2800	**2800**
XPZ2840	**2840**
XPZ3000	**3000**
XPZ3150	**3150**
XPZ3350	**3350**
XPZ3550	**3550**

XPA

Description ISO	Datum length mm ISO
XPA690	690
XPA747	**747**
XPA757	**757**
XPA782	**782**
XPA800	**800**
XPA832	**832**
XPA850	**850**
XPA857	**857**
XPA882	**882**
XPA900	**900**
XPA907	**907**
XPA925	**925**
XPA932	**932**
XPA950	**950**
XPA957	**957**
XPA975	**975**
XPA982	**982**
XPA1000	**1000**
XPA1007	**1007**
XPA1030	**1030**
XPA1060	**1060**
XPA1082	**1082**
XPA1090	**1090**
XPA1107	**1107**
XPA1120	**1120**
XPA1140	**1140**
XPA1150	**1150**
XPA1157	**1157**
XPA1180	**1180**
XPA1207	**1207**
XPA1215	**1215**
XPA1232	**1232**
XPA1250	**1250**
XPA1257	**1257**
XPA1282	**1282**
XPA1285	**1285**
XPA1307	**1307**
XPA1320	**1320**
XPA1332	**1332**
XPA1357	**1357**
XPA1360	**1360**
XPA1367	1367
XPA1382	1382
XPA1400	**1400**
XPA1450	**1450**
XPA1457	1457
XPA1482	**1482**
XPA1500	**1500**
XPA1507	**1507**
XPA1532	**1532**
XPA1550	**1550**
XPA1582	**1582**
XPA1600	**1600**
XPA1650	**1650**
XPA1657	1657
XPA1680	1680
XPA1700	**1700**
XPA1750	**1750**
XPA1800	**1800**
XPA1850	**1850**

Description ISO	Datum length mm ISO
XPA1900	**1900**
XPA1950	**1950**
XPA2000	**2000**
XPA2060	**2060**
XPA2120	**2120**
XPA2240	**2240**
XPA2360	**2360**
XPA2430	**2430**
XPA2500	**2500**
XPA2650	**2650**
XPA2800	**2800**
XPA3000	**3000**
XPA3150	**3150**
XPA3350	**3350**
XPA3550	**3550**
XPA3750	**3750**
XPA4000	**4000**

XPB

Description ISO	Datum length mm ISO
XPB1250	**1250**
XPB1260	**1260**
XPB1320	**1320**
XPB1340	**1340**
XPB1400	**1400**
XPB1410	**1410**
XPB1450	**1450**
XPB1500	**1500**
XPB1510	**1510**
XPB1550	**1550**
XPB1590	**1590**
XPB1600	**1600**
XPB1650	**1650**
XPB1690	**1690**
XPB1700	**1700**
XPB1750	**1750**
XPB1800	**1800**
XPB1850	**1850**
XPB1900	**1900**
XPB1950	**1950**
XPB2000	**2000**
XPB2020	**2020**
XPB2120	**2120**
XPB2150	**2150**
XPB2240	**2240**
XPB2280	**2280**
XPB2360	**2360**
XPB2410	**2410**
XPB2500	**2500**
XPB2530	**2530**
XPB2650	**2650**
XPB2680	**2680**
XPB2800	**2800**
XPB2840	**2840**
XPB2990	**2990**
XPB3000	**3000**
XPB3150	**3150**
XPB3350	**3350**
XPB3550	**3550**
XPB3750	**3750**
XPB4000	**4000**
XPB4250	**4250**
XPB4500	**4500**
XPB4750	**4750**
XPB5000	**5000**

XPC

Description ISO	Datum length 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

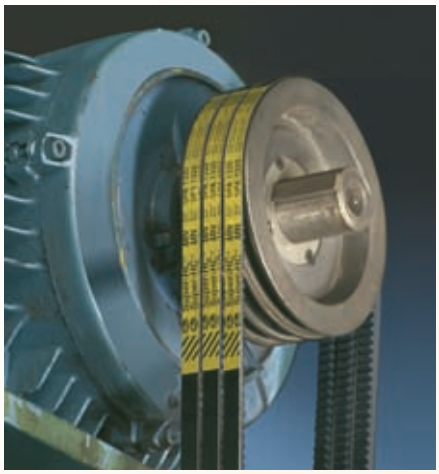
XPZ - Section
630 - Datum length (mm)

Dimensions in bold are available from stock.

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.

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 **UNISET** tolerances, they can be installed without matching.

Sections and nominal dimensions

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

SPZ

Description MN	Wrapped Super HC®	Datum length mm ISO
	SPZ487	487
	SPZ512	512
SPZ560MN	**SPZ560**	560
SPZ562MN	**SPZ562**	562
	SPZ587	587
SPZ612MN	**SPZ612**	612
	SPZ615	615
SPZ630MN	**SPZ630**	630
SPZ637MN	**SPZ637**	637
SPZ662MN	**SPZ662**	662
SPZ670MN	**SPZ670**	670
SPZ687MN	**SPZ687**	687
SPZ710MN	**SPZ710**	710
SPZ722MN	SPZ722	722
SPZ730MN	**SPZ730**	730
SPZ737MN	**SPZ737**	737
SPZ750MN	**SPZ750**	750
SPZ760MN		760
SPZ762MN	**SPZ762**	762
SPZ772MN	**SPZ772**	772
SPZ775MN	**SPZ775**	775
SPZ787MN	**SPZ787**	787
SPZ800MN	**SPZ800**	800
SPZ812MN	**SPZ812**	812
SPZ825MN	**SPZ825**	825
SPZ837MN	**SPZ837**	837
SPZ850MN	**SPZ850**	850
SPZ862MN	**SPZ862**	862
SPZ875MN	**SPZ875**	875
SPZ887MN	**SPZ887**	887
SPZ900MN	**SPZ900**	900
SPZ912MN	**SPZ912**	912
SPZ925MN	**SPZ925**	925
SPZ937MN	**SPZ937**	937
SPZ950MN	**SPZ950**	950
SPZ962MN	**SPZ962**	962
SPZ975MN	**SPZ975**	975
SPZ987MN	**SPZ987**	987
SPZ1000MN	**SPZ1000**	1000
SPZ1010MN		1010
SPZ1012MN	**SPZ1012**	1012
	SPZ1024	1024
SPZ1025MN		1025
SPZ1030MN	**SPZ1030**	1030
SPZ1037MN	**SPZ1037**	1037
SPZ1047MN	**SPZ1047**	1047
SPZ1060MN	**SPZ1060**	1060
SPZ1062MN	**SPZ1062**	1062
SPZ1077MN	**SPZ1077**	1077
SPZ1080MN		1080
SPZ1087MN	**SPZ1087**	1087
SPZ1090MN	**SPZ1090**	1090
SPZ1112MN	**SPZ1112**	1112
SPZ1120MN	**SPZ1120**	1120
SPZ1137MN	**SPZ1137**	1137
SPZ1140MN		1140
SPZ1150MN	**SPZ1150**	1150
SPZ1162MN	**SPZ1162**	1162
SPZ1180MN	**SPZ1180**	1180
SPZ1187MN	**SPZ1187**	1187
SPZ1200MN		1200
SPZ1202MN	SPZ1202	1202
SPZ1212MN	**SPZ1212**	1212
	SPZ1215	1215
SPZ1237MN	**SPZ1237**	1237
SPZ1250MN	**SPZ1250**	1250
SPZ1262MN	**SPZ1262**	1262
SPZ1270MN		1270
	SPZ1285	1285
SPZ1287MN	**SPZ1287**	1287
SPZ1312MN	**SPZ1312**	1312
SPZ1320MN	**SPZ1320**	1320
SPZ1337MN	**SPZ1337**	1337
SPZ1340MN		1340

Description MN	Wrapped Super HC®	Datum length mm ISO
SPZ1347MN	SPZ1347	1347
	SPZ1360	1360
SPZ1362MN	**SPZ1362**	1362
SPZ1387MN	**SPZ1387**	1387
SPZ1400MN	**SPZ1400**	1400
SPZ1412MN	SPZ1412	1412
SPZ1420MN		1420
SPZ1437MN	**SPZ1437**	1437
SPZ1450MN	**SPZ1450**	1450
SPZ1462MN	**SPZ1462**	1462
SPZ1487MN	**SPZ1487**	1487
SPZ1500MN	**SPZ1500**	1500
SPZ1512MN	SPZ1512	1512
SPZ1520MN		1520
SPZ1537MN	SPZ1537	1537
SPZ1550MN	**SPZ1550**	1550
SPZ1562MN	**SPZ1562**	1562
	SPZ1575	1575
SPZ1587MN	**SPZ1587**	1587
SPZ1600MN	**SPZ1600**	1600
SPZ1612MN	**SPZ1612**	1612
SPZ1637MN	**SPZ1637**	1637
SPZ1650MN	**SPZ1650**	1650
SPZ1662MN	**SPZ1662**	1662
SPZ1687MN	**SPZ1687**	1687
SPZ1700MN	**SPZ1700**	1700
SPZ1737MN	**SPZ1737**	1737
SPZ1750MN	**SPZ1750**	1750
SPZ1762MN	**SPZ1762**	1762
SPZ1782MN		1782
SPZ1787MN	**SPZ1787**	1787
SPZ1800MN	**SPZ1800**	1800
SPZ1812MN	**SPZ1812**	1812
SPZ1837MN	**SPZ1837**	1837
SPZ1850MN	**SPZ1850**	1850
SPZ1862MN	**SPZ1862**	1862
SPZ1887MN	**SPZ1887**	1887
SPZ1900MN	**SPZ1900**	1900
SPZ1937MN	**SPZ1937**	1937
SPZ1950MN	**SPZ1950**	1950
SPZ1987MN	SPZ1987	1987
SPZ2000MN	**SPZ2000**	2000
SPZ2037MN	**SPZ2037**	2037
SPZ2060MN	**SPZ2060**	2060
SPZ2120MN	**SPZ2120**	2120
SPZ2137MN	SPZ2137	2137
	SPZ2150	
SPZ2160MN		2160
SPZ2180MN	**SPZ2180**	2180
SPZ2187MN	SPZ2187	2187
SPZ2240MN	**SPZ2240**	2240
SPZ2262MN		2262
SPZ2280MN		2280
SPZ2287MN	**SPZ2287**	2287
SPZ2360MN	**SPZ2360**	2360
SPZ2410MN		2410
SPZ2430MN	**SPZ2430**	2430
SPZ2500MN	**SPZ2500**	2500
SPZ2540MN	SPZ2540	2540
SPZ2650MN	**SPZ2650**	2650
SPZ2690MN	SPZ2690	2690
SPZ2800MN	**SPZ2800**	2800
SPZ2840MN	SPZ2840	2840
SPZ3000MN	**SPZ3000**	3000
SPZ3150MN	**SPZ3150**	3150
SPZ3350MN	**SPZ3350**	3350
SPZ3550MN	**SPZ3550**	3550
	SPZ3750	3750

SPA

Description MN	Wrapped Super HC®	Datum length mm ISO
SPA732MN	**SPA732**	732
SPA757MN	**SPA757**	757
SPA782MN	SPA782	782
SPA800MN	**SPA800**	800
SPA807MN	**SPA807**	807
SPA819MN		819
SPA832MN	**SPA832**	832
SPA850MN	**SPA850**	850
SPA857MN	**SPA857**	857
SPA882MN	**SPA882**	882
SPA900MN	**SPA900**	900
SPA907MN	**SPA907**	907
SPA925MN	**SPA925**	925
SPA932MN	**SPA932**	932
SPA950MN	**SPA950**	950
SPA957MN	**SPA957**	957
SPA975MN	**SPA975**	975
SPA982MN	**SPA982**	982
SPA1000MN	**SPA1000**	1000
SPA1007MN	**SPA1007**	1007
SPA1030MN	**SPA1030**	1030
SPA1032MN	**SPA1032**	1032
	SPA1057	1057
SPA1060MN	**SPA1060**	1060
SPA1082MN	**SPA1082**	1082
SPA1090MN	**SPA1090**	1090
SPA1107MN	**SPA1107**	1107
SPA1120MN	**SPA1120**	1120
SPA1132MN	**SPA1132**	1132
SPA1140MN		1140
SPA1150MN	**SPA1150**	1150
SPA1157MN	**SPA1157**	1157
SPA1180MN	**SPA1180**	1180
SPA1207MN	**SPA1207**	1207
SPA1215MN	**SPA1215**	1215
SPA1232MN	**SPA1232**	1232
SPA1250MN	**SPA1250**	1250
SPA1257MN	**SPA1257**	1257
SPA1272MN	SPA1272	1272
SPA1282MN	**SPA1282**	1282
SPA1285MN	**SPA1285**	1285
SPA1307MN	**SPA1307**	1307
SPA1320MN	**SPA1320**	1320
SPA1332MN	**SPA1332**	1332
SPA1357MN	**SPA1357**	1357
SPA1360MN	**SPA1360**	1360
SPA1382MN	**SPA1382**	1382
SPA1400MN	**SPA1400**	1400
SPA1407MN	**SPA1407**	1407
SPA1432MN	**SPA1432**	1432
SPA1450MN	**SPA1450**	1450
SPA1457MN	**SPA1457**	1457
SPA1482MN	**SPA1482**	1482
SPA1500MN	**SPA1500**	1500
SPA1507MN	**SPA1507**	1507
SPA1532MN	**SPA1532**	1532
SPA1550MN	**SPA1550**	1550
SPA1557MN	**SPA1557**	1557
SPA1582MN	**SPA1582**	1582
SPA1600MN	**SPA1600**	1600
SPA1607MN	**SPA1607**	1607
SPA1632MN	**SPA1632**	1632
SPA1650MN	**SPA1650**	1650
SPA1657MN	**SPA1657**	1657
SPA1682MN	SPA1682	1682
SPA1700MN	**SPA1700**	1700
SPA1707MN	**SPA1707**	1707
SPA1732MN	**SPA1732**	1732
SPA1750MN	**SPA1750**	1750
SPA1757MN	**SPA1757**	1757
SPA1782MN	**SPA1782**	1782
SPA1800MN	**SPA1800**	1800
SPA1807MN	**SPA1807**	1807
SPA1832MN	**SPA1832**	1832

Description MN	Wrapped Super HC®	Datum length mm ISO
	SPA1850	1850
SPA1857MN	**SPA1857**	1857
SPA1882MN	**SPA1882**	1882
SPA1900MN	**SPA1900**	1900
SPA1907MN	**SPA1907**	1907
SPA1932MN	**SPA1932**	1932
SPA1950MN	**SPA1950**	1950
SPA1957MN	**SPA1957**	1957
SPA1982MN	**SPA1982**	1982
SPA2000MN	**SPA2000**	2000
SPA2032MN	**SPA2032**	2032
SPA2057MN	SPA2057	2057
SPA2060MN	**SPA2060**	2060
SPA2082MN	**SPA2082**	2082
SPA2120MN	**SPA2120**	2120
SPA2132MN	**SPA2132**	2132
	SPA2180	2180
SPA2182MN	**SPA2182**	2182
SPA2207MN	**SPA2207**	2207
SPA2232MN	**SPA2232**	2232
SPA2240MN	**SPA2240**	2240
SPA2282MN	**SPA2282**	2282
SPA2300MN	**SPA2300**	2300
SPA2307MN	**SPA2307**	2307
SPA2332MN	**SPA2332**	2332
SPA2360MN	**SPA2360**	2360
SPA2382MN	**SPA2382**	2382
SPA2430MN	**SPA2430**	2430
	SPA2432	2432
SPA2482MN	**SPA2482**	2482
SPA2500MN	**SPA2500**	2500
SPA2532MN	**SPA2532**	2532
SPA2582MN	SPA2582	2582
SPA2607MN	**SPA2607**	2607
SPA2632MN	**SPA2632**	2632
SPA2650MN	**SPA2650**	2650
SPA2682MN	**SPA2682**	2682
SPA2732MN		2732
SPA2782MN	SPA2782	2782
SPA2800MN	**SPA2800**	2800
SPA2832MN	**SPA2832**	2832
SPA2847MN	**SPA2847**	2847
	SPA2872	2872
SPA2882MN	SPA2882	2882
SPA2900MN	**SPA2900**	2900
SPA2932MN	**SPA2932**	2932
SPA2982MN	**SPA2982**	2982
SPA3000MN	**SPA3000**	3000
	SPA3032	3032
	SPA3082	3082
SPA3150MN	**SPA3150**	3150
	SPA3182	3182
	SPA3282	3282
SPA3350MN	**SPA3350**	3350
	SPA3382	3382
SPA3550MN	**SPA3550**	3550
	SPA3650	3650
SPA3750MN	**SPA3750**	3750
SPA4000MN	**SPA4000**	4000
	SPA4250	4250
	SPA4500	4500
	SPA5000	5000

SPB

Description MN	Wrapped Super HC®	Datum length 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

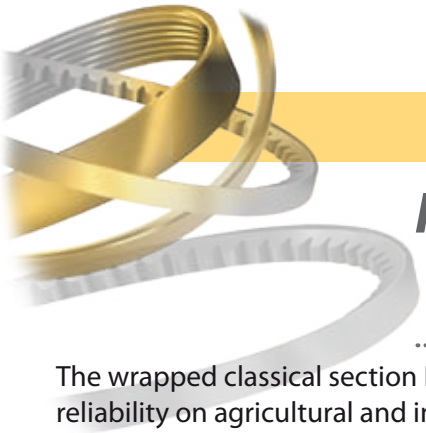
Description MN	Wrapped Super HC®	Datum length mm ISO
SPC2000MN	**SPC2000**	2000
SPC2120MN	**SPC2120**	2120
SPC2240MN	**SPC2240**	2240
SPC2360MN	**SPC2360**	2360
SPC2500MN	**SPC2500**	2500
	SPC2550	2550
SPC2650MN	**SPC2650**	2650
SPC2800MN	**SPC2800**	2800
SPC3000MN	**SPC3000**	3000
SPC3150MN	**SPC3150**	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)

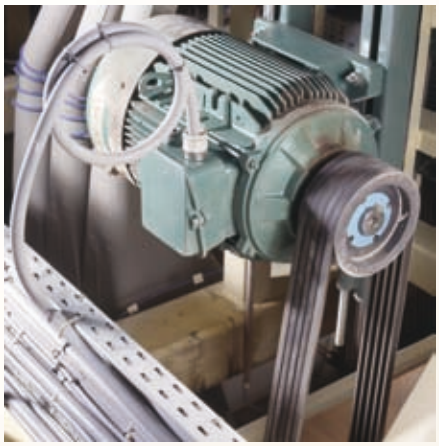
Dimensions in bold are available from stock.



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 **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
D	32	19

Z - 10 mm

Description	Inside length mm	Datum length mm ISO
Z16	425	447
Z17.5	450	470
Z18.5	475	495
Z19	485	505
Z19.5	500	520
Z20	515	537
Z20.5	530	550
Z22	560	580
Z22.5	575	595
Z23.5	600	620
Z24	610	630
Z25	630	655
Z26	653	675
Z26.5	670	695
Z28	710	730
Z28.5	725	747
Z29	730	755
Z29.5	750	770
Z30.5	775	795
Z31	785	805
Z31.5	800	820
Z32.5	825	845
Z33.5	850	870
Z34	865	887
Z34.5	875	895
Z35.5	900	920
Z36	910	930
Z37	935	955
Z37.5	950	970
Z38.5	975	995
Z39	980	1005
Z39.5	1000	1020
Z40	1016	1038
Z41	1040	1063
Z41.5	1050	1070
Z42	1060	1080
Z44	1120	1140
Z45	1150	1170
Z45.5	1160	1180
Z46	1180	1200
Z47	1200	1220
Z48	1225	1245
Z48.5	1230	1255
Z49	1250	1270
Z50	1275	1295
Z51	1300	1320
Z52	1320	1340
Z53	1346	1368
Z54	1371	1393
Z55	1400	1420
Z56	1422	1444
Z57	1450	1470
Z58	1475	1497
Z59	1500	1520
Z60	1524	1546
Z61	1550	1572
Z62	1575	1597
Z63	1600	1622
Z63.5	1600	1630
Z64	1626	1648
Z65	1651	1673
Z66	1675	1697
Z67	1700	1720
Z68	1725	1747
Z69	1750	1772
Z70	1775	1797
Z71	1800	1820
Z73	1850	1872
Z75	1900	1920
Z78	1975	1997
Z79	2000	2022
Z83.5	2120	2142
Z88	2240	2262
Z93	2360	2382
Z98	2500	2522

A - 13 mm

Description	Inside length mm	Datum length mm ISO
A18	457	487
A19	480	510
A20	508	538
A21	535	570
A22	560	595
A23	590	620
A23.5	600	630
A24	615	645
A24.5	630	655
A25	650	680
A26	670	705
A27	690	720
A27.5	700	730
A28	710	745
A28.5	725	755
A29.5	750	780
A30	775	805
A31	800	825
A32	825	850
A32.5	825	855
A33	850	875
A34	875	900
A35	900	925
A36	925	950
A37	950	975
A38	975	1000
A38.5	975	1005
A39	1000	1025
A40	1030	1055
A40.5	1030	1060
A41	1050	1080
A41.5	1060	1090
A42	1075	1105
A43	1100	1130
A44	1125	1155
A45	1150	1180
A46	1180	1205
A46.5	1180	1210
A47	1200	1230
A47.5	1215	1245
A48	1225	1255
A49	1250	1280
A50	1275	1310
A51	1300	1330
A52	1320	1355
A53	1350	1385
A54	1375	1410
A55	1400	1435
A56	1430	1460
A57	1450	1485
A58	1475	1510
A59	1500	1535
A60	1525	1560
A61	1550	1585
A62	1575	1610
A63	1600	1635
A64	1625	1660
A65	1655	1690
A66	1680	1715
A67	1700	1735
A68	1730	1765
A69	1760	1790
A70	1780	1815
A71	1800	1840
A72	1830	1865
A73	1860	1890
A74	1880	1915
A75	1900	1940
A76	1930	1965
A77	1960	1990
A78	1980	2020
A79	2000	2040
A80	2040	2070
A81	2060	2095
A82	2090	2120
A83	2120	2145

Description	Inside length mm	Datum length mm ISO
A83.5	2120	2150
A84	2140	2170
A84.5	2150	2180
A85	2160	2195
A86	2200	2220
A87	2215	2245
A88	2240	2270
A89	2265	2295
A90	2300	2325
A91	2320	2350
A92	2345	2375
A93	2360	2400
A94	2400	2425
A95	2420	2450
A96	2440	2475
A97	2475	2500
A98	2500	2525
A100	2540	2575
A102	2590	2625
A104	2650	2680
A105	2670	2705
A107	2725	2755
A108	2750	2780
A110	2800	2830
A112	2850	2880
A114	2896	2926
A116	2946	2976
A118	3000	3035
A120	3050	3085
A124	3150	3185
A128	3250	3290
A130	3310	3340
A132	3350	3380
A134	3410	3440
A136	3455	3490
A140	3550	3590
A144	3660	3695
A147	3750	3770
A148	3750	3780
A158	4000	4050
A167	4250	4280
A173	4400	4430
A180	4575	4610
A187	4750	4780
A195	4915	4950
A196	4985	5015
A197	5000	5030

B - 17 mm

Description	Inside length mm	Datum length mm ISO
B25	650	695
B26	670	710
B27	695	735
B27.5	710	745
B28	725	770
B29	750	795
B30	775	815
B31	800	845
B32	825	870
B32.5	825	865
B33	850	895
B34	875	920
B35	900	940
B36	925	965
B36.75	937	980
B37	950	990
B38	975	1015
B38.5	975	1015
B39	1000	1040
B40	1030	1065

B - 17 mm

Description	Inside length mm	Datum length mm ISO
B41	1060	1095
B42	1075	1120
B43	1100	1145
B44	1120	1170
B45	1150	1195
B46	1180	1220
B47	1200	1245
B47.5	1215	1258
B48	1225	1270
B49	1250	1295
B50	1275	1320
B51	1300	1345
B52	1335	1370
B53	1360	1395
B54	1385	1425
B55	1400	1450
B56	1435	1475
B57	1460	1500
B58	1485	1525
B59	1500	1550
B60	1535	1575
B61	1560	1600
B62	1585	1625
B63	1600	1650
B64	1625	1675
B64.5	1645	1685
B65	1650	1700
B66	1700	1730
B66.25	1685	1725
B66.5	1695	1735
B67	1725	1755
B68	1750	1780
B69	1765	1805
B69.5	1760	1800
B70	1800	1830
B71	1815	1855
B72	1850	1880
B73	1865	1905
B74	1900	1930
B75	1915	1955
B76	1950	1980
B77	1970	2005
B78	2000	2030
B79	2020	2060
B80	2040	2085
B81	2060	2110
B82	2100	2135
B83	2120	2160
B84	2145	2185
B85	2160	2210
B86	2200	2235
B87	2220	2260
B88	2240	2285
B89	2270	2310
B90	2300	2335
B91	2325	2365
B92	2360	2390
B93	2375	2415
B94	2400	2440
B95	2425	2465
B96	2450	2490
B97	2475	2515
B97.5	2480	2520
B98	2500	2540
B99	2525	2565
B100	2540	2590
B101	2565	2605
B102	2600	2640
B103	2625	2665
B104	2650	2695
B105	2680	2720
B106	2700	2745
B107	2718	2758
B108	2755	2795
B110	2800	2845
B112	2850	2895

B - 17 mm

Description	Inside length mm	Datum length mm ISO
B114	**2900**	**2945**
B115	**2921**	**2961**
B116	**2950**	**3000**
B118	**3000**	**3050**
B120	**3060**	**3100**
B122	**3100**	**3150**
B124	**3150**	**3200**
B126	**3200**	**3240**
B127	3230	3270
B128	**3250**	**3300**
B130	**3310**	**3350**
B131	**3350**	**3380**
B132	**3350**	**3390**
B133	**3390**	**3430**
B134	**3415**	**3455**
B135	3435	3475
B136	**3460**	**3505**
B138	**3505**	**3545**
B140	**3550**	**3610**
B142	**3600**	**3640**
B144	**3670**	**3710**
B146	**3700**	**3740**
B147	**3750**	**3785**
B148	**3770**	**3810**
B150	**3810**	**3850**
B151	**3850**	**3890**
B152	**3870**	**3910**
B154	**3912**	**3952**
B155	**3950**	**3990**
B156	**3962**	**4002**
B157	**4000**	**4040**
B158	**4025**	**4065**
B160	**4064**	**4104**
B161	4090	4130
B162	**4125**	**4165**
B163	4145	4185
B165	**4200**	**4240**
B167	**4250**	**4295**
B168	4270	4310
B173	**4400**	**4445**
B175	**4450**	**4495**
B177	**4500**	**4545**
B180	**4580**	**4625**
B186	**4750**	**4775**
B187	**4750**	**4790**
B188	4780	4820
B195	**4960**	**5005**
B196	**5000**	**5030**
B197	**5000**	**5040**
B204	**5200**	**5235**
B208	**5300**	**5335**
B210	**5345**	**5385**
B217	5510	5550
B220	**5600**	**5640**
B221	**5600**	**5625**
B223	5635	5675
B224	5660	5700
B225	**5690**	**5730**
B228	5760	5800
B229	5785	5825
B236	**6000**	**6040**
B237	6000	6040
B240	**6070**	**6110**
B248	**6300**	**6340**
B249	**6300**	**6340**
B253	6395	6435
B255	6445	6485
B259	6545	6585
B264	**6700**	**6740**
B265	6700	6740
B270	**6830**	**6870**
B276	**7000**	**7040**
B280	**7100**	**7140**
B285	7210	7250
B300	**7620**	**7635**
B315	7970	8010
B330	8350	8390
B345	8830	8870
B360	9110	9150
B361	9135	9175
B364	9210	9250
B366	9265	9305
B394	9975	10015
B433	10960	11000
B472	11960	12000

C - 22 mm

Description	Inside length mm	Datum length mm ISO
C42	**1080**	**1145**
C43	**1100**	**1165**
C46	**1180**	**1245**
C47	**1200**	**1258**
C48	**1230**	**1290**
C49	**1250**	**1320**
C51	**1320**	**1370**
C52	**1320**	**1378**
C53	**1350**	**1420**
C54	**1375**	**1445**
C55	**1400**	**1470**
C56	**1425**	**1483**
C57	**1450**	**1508**
C58	**1475**	**1533**
C59	**1500**	**1570**
C60	**1525**	**1595**
C61	**1550**	**1608**
C62	**1600**	**1650**
C63	**1600**	**1658**
C65	**1665**	**1725**
C66	**1700**	**1750**
C67	**1700**	**1758**
C68	**1750**	**1800**
C69	**1750**	**1808**
C70	**1800**	**1850**
C71	**1830**	**1875**
C72	**1840**	**1900**
C73	**1854**	**1912**
C74	**1900**	**1950**
C75	**1920**	**1980**
C76	**1930**	**1988**
C77	**1956**	**2014**
C78	**2000**	**2055**
C79	**2000**	**2058**
C80	**2032**	**2090**
C81	**2070**	**2130**
C82	**2100**	**2155**
C83	**2120**	**2180**
C84	**2134**	**2192**
C85	**2170**	**2230**
C86	**2184**	**2242**
C87	**2210**	**2268**
C88	**2240**	**2310**
C89	**2261**	**2319**
C90	**2300**	**2360**
C92	**2360**	**2410**
C93	**2375**	**2435**
C94	**2388**	**2446**
C95	**2425**	**2485**
C96	**2460**	**2510**
C97	**2475**	**2535**
C98	**2500**	**2560**
C99	**2525**	**2590**
C100	**2560**	**2615**
C101	2580	2640
C102	**2600**	**2665**
C104	**2650**	**2715**
C105	**2675**	**2740**

C - 22 mm

Description	Inside length mm	Datum length mm ISO
C106	**2692**	**2750**
C108	**2750**	**2815**
C110	**2800**	**2865**
C111	2760	2818
C112	**2860**	**2920**
C114	**2896**	**2954**
C115	**2935**	**2995**
C116	**2965**	**3020**
C117	**2965**	**3023**
C118	**3000**	**3070**
C120	**3050**	**3120**
C122	**3099**	**3157**
C124	**3150**	**3225**
C125	3175	3250
C126	**3200**	**3258**
C128	**3250**	**3325**
C130	**3300**	**3375**
C132	**3350**	**3425**
C134	**3415**	**3475**
C136	**3450**	**3525**
C138	**3505**	**3563**
C140	**3550**	**3630**
C142	**3607**	**3665**
C144	**3670**	**3730**
C146	**3700**	**3758**
C147	**3750**	**3805**
C148	**3750**	**3808**
C150	**3810**	**3868**
C153	**3900**	**3960**
C158	**4000**	**4085**
C160	4067	4125
C162	**4130**	**4190**
C165	**4200**	**4265**
C166	**4216**	**4274**
C167	**4250**	**4308**
C168	**4267**	**4325**
C170	**4318**	**4376**
C173	**4400**	**4465**
C175	**4445**	**4503**
C177	**4500**	**4570**
C180	**4575**	**4645**
C187	**4750**	**4808**
C190	**4826**	**4884**
C195	**5000**	**5025**
C197	**5000**	**5058**
C208	**5300**	**5355**
C209	5309	5367
C210	**5340**	**5405**
C216	5492	5550
C220	**5600**	**5658**
C222	**5600**	**5660**
C225	**5675**	**5735**
C228	5757	5815
C236	**6000**	**6058**
C238	**6000**	**6065**
C240	**6050**	**6120**
C248	6250	6325
C250	**6300**	**6370**
C255	**6440**	**6500**
C264	**6700**	**6758**
C265	**6700**	**6755**
C270	**6820**	**6880**
C276	6977	7035
C280	**7100**	**7135**
C285	**7200**	**7260**
C295	**7500**	**7558**
C300	**7580**	**7640**
C303	7652	7710
C314	7982	8040
C315	**8000**	**8058**
C316	8000	8058
C330	**8340**	**8405**
C336	8500	8558
C345	8727	8785
C360	9112	9170
C394	10000	10058
C420	10637	10695
C424	10737	10795

D - 32 mm

Description	Inside length mm	Datum length mm ISO
D98	**2500**	**2570**
D104	**2650**	**2720**
D110	**2800**	**2875**
D112	2850	2925
D120	**3050**	**3130**
D124	**3150**	**3230**
D128	**3250**	**3330**
D137	**3480**	**3560**
D140	**3550**	**3635**
D144	**3660**	**3740**
D158	**4000**	**4095**
D162	**4115**	**4195**
D170	**4320**	**4400**
D173	**4400**	**4475**
D177	**4500**	**4575**
D180	**4570**	**4650**
D187	**4750**	**4830**
D195	**4955**	**5035**
D197	**5000**	**5085**
D204	**5180**	**5260**
D210	**5335**	**5415**
D223	**5600**	**5680**
D240	**6030**	**6115**
D250	**6300**	**6365**
D270	**6800**	**6875**
D282	**7100**	**7180**
D298	**7500**	**7585**
D300	**7555**	**7635**
D315	8007	8082
D316	7967	8042
D330	**8320**	**8400**
D345	8770	8845
D360	**9080**	**9160**
D390	9910	9982
D420	10672	10747
D441	11207	11282
D450	11435	11510
D480	12197	12272
D540	13721	13796
D600	15246	15321
D660	16771	16846

Hi-Power® ordering code is composed as follows:

Z19

Z - Section
19 - Length in inch

Dimensions in bold are available from stock.

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 mm RMA	Datum length 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 mm RMA	Datum length 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 mm RMA	Datum length 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

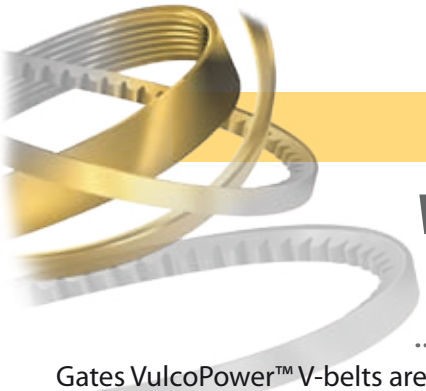
Description	Effective length mm RMA	Datum length mm ISO
DD210	5465	5415
DD270	6925	6875
DD300	7690	7635
DD360	9215	9160

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.



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 mm	Datum length 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 mm	Datum length mm
A18VULCO	460	490
A19VULCO	475	505
A20VULCO	525	555
A21VULCO	540	570
A22VULCO	565	595
A23VULCO	590	620
A24VULCO	610	640
A25VULCO	633	663
A26VULCO	670	700
A27.5VULCO	700	730
A28.5VULCO	715	745
A29.5VULCO	750	780
A30VULCO	770	800
A31VULCO	795	825
A32VULCO	805	835
A32.5VULCO	825	855
A33VULCO	845	875
A34VULCO	870	900
A35VULCO	890	920
A36VULCO	915	945
A37VULCO	945	975
A38VULCO	962	992
A39VULCO	980	1010
A40VULCO	1015	1045
A41VULCO	1040	1070
A42VULCO	1065	1095
A43VULCO	1090	1120
A44VULCO	1115	1145
A45VULCO	1145	1175
A46VULCO	1175	1205
A47VULCO	1190	1220
A48VULCO	1225	1255
A49VULCO	1248	1278
A50VULCO	1265	1295
A51VULCO	1300	1330
A52VULCO	1325	1355
A53VULCO	1355	1385
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
A86VULCO	2190	2220
A87VULCO	2215	2245
A88VULCO	2240	2270
A89VULCO	2265	2295
A90VULCO	2290	2320
A91VULCO	2315	2345
A92VULCO	2340	2370
A93VULCO	2365	2395
A94VULCO	2390	2420
A95VULCO	2415	2445
A96VULCO	2445	2475
A97VULCO	2465	2495
A98VULCO	2500	2530
A100VULCO	2540	2570
A102VULCO	2590	2620
A104VULCO	2650	2680
A105VULCO	2680	2710
A107VULCO	2720	2750
A108VULCO	2745	2775
A110VULCO	2800	2830
A112VULCO	2855	2885
A115VULCO	2920	2950
A116VULCO	2950	2980
A118VULCO	3000	3030
A120VULCO	3055	3085
A124VULCO	3150	3180
A128VULCO	3255	3285
A130VULCO	3305	3335
A132VULCO	3350	3380
A136VULCO	3455	3485
A140VULCO	3555	3585
A144VULCO	3660	3690
A148VULCO	3750	3780
A158VULCO	4015	4045
A167VULCO	4245	4275
A187VULCO	4750	4780
A197VULCO	5000	5030

B

Description	Inside length mm	Datum length mm
B26VULCO	650	690
B27VULCO	690	730
B28VULCO	710	750
B29VULCO	730	770
B30VULCO	750	790
B31VULCO	795	835
B32VULCO	820	860
B33VULCO	860	900
B35VULCO	890	930
B36VULCO	930	970
B37VULCO	950	990
B38VULCO	970	1010
B39VULCO	1000	1040
B40VULCO	1025	1065
B41VULCO	1045	1085
B42VULCO	1070	1110
B43VULCO	1105	1145
B44VULCO	1110	1150
B45VULCO	1145	1185
B46VULCO	1170	1210
B47VULCO	1195	1235
B48VULCO	1225	1265
B49VULCO	1250	1290
B50VULCO	1278	1318
B51VULCO	1300	1340
B52VULCO	1325	1365
B53VULCO	1350	1390
B54VULCO	1380	1420
B55VULCO	1410	1450
B56VULCO	1440	1480
B57VULCO	1460	1500
B58VULCO	1480	1520
B59VULCO	1510	1550
B60VULCO	1525	1565
B61VULCO	1555	1595
B62VULCO	1575	1615
B63VULCO	1595	1635
B64VULCO	1630	1670
B65VULCO	1650	1690
B66VULCO	1695	1735
B67VULCO	1715	1755
B68VULCO	1730	1770
B69VULCO	1755	1795
B70VULCO	1780	1820
B71VULCO	1810	1850
B72VULCO	1835	1875
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
B96VULCO	2445	2485
B97VULCO	2470	2510
B98VULCO	2495	2535
B99VULCO	2520	2560
B100VULCO	2545	2585
B101VULCO	2570	2610
B102VULCO	2595	2635
B103VULCO	2615	2655
B104VULCO	2645	2685
B105VULCO	2675	2715
B106VULCO	2700	2740
B108VULCO	2750	2790
B110VULCO	2800	2840
B112VULCO	2850	2890
B114VULCO	2900	2940
B115VULCO	2925	2965
B116VULCO	2950	2990
B118VULCO	3000	3040
B120VULCO	3055	3095
B124VULCO	3150	3190
B126VULCO	3210	3250
B128VULCO	3260	3300
B130VULCO	3310	3350
B132VULCO	3355	3395
B134VULCO	3410	3450
B136VULCO	3460	3500
B140VULCO	3560	3600
B144VULCO	3665	3705
B147VULCO	3740	3780
B148VULCO	3760	3800
B152VULCO	3865	3905
B154VULCO	3915	3955
B158VULCO	4020	4060
B162VULCO	4120	4160
B167VULCO	4255	4295
B173VULCO	4400	4440
B175VULCO	4450	4490
B180VULCO	4580	4620
B187VULCO	4755	4795
B192VULCO	4880	4920
B195VULCO	4960	5000
B210VULCO	5340	5380
B240VULCO	6090	6130
B248VULCO	6300	6340
B270VULCO	6825	6865
B280VULCO	7100	7140

C

Description	Inside length mm	Datum length mm
C43VULCO	1092	1150
C46VULCO	1192	1250
C48VULCO	1227	1285
C49VULCO	1252	1310
C51VULCO	1292	1350
C52VULCO	1337	1395
C53VULCO	1352	1410
C55VULCO	1402	1460
C56VULCO	1427	1485
C57VULCO	1452	1510
C58VULCO	1492	1550
C59VULCO	1512	1570
C60VULCO	1527	1585
C61VULCO	1567	1625
C62VULCO	1592	1650
C63VULCO	1617	1675
C65VULCO	1667	1725
C66VULCO	1692	1750
C67VULCO	1717	1775
C68VULCO	1742	1800
C69VULCO	1767	1825
C70VULCO	1792	1850
C71VULCO	1817	1875
C72VULCO	1842	1900
C75VULCO	1912	1970
C76VULCO	1942	2000
C77VULCO	1972	2030
C78VULCO	1992	2050
C80VULCO	2042	2100
C81VULCO	2067	2125
C82VULCO	2092	2150
C83VULCO	2122	2180
C84VULCO	2142	2200
C85VULCO	2172	2230
C86VULCO	2197	2255
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
C120VULCO	3062	3120
C122VULCO	3127	3185
C124VULCO	3157	3215
C128VULCO	3262	3320
C130VULCO	3312	3370
C132VULCO	3367	3425
C134VULCO	3402	3460
C136VULCO	3477	3535
C140VULCO	3557	3615
C144VULCO	3672	3730
C148VULCO	3772	3830
C153VULCO	3902	3960
C158VULCO	4007	4065
C162VULCO	4122	4180
C165VULCO	4212	4270
C167VULCO	4262	4320
C170VULCO	4342	4400
C173VULCO	4407	4465
C177VULCO	4507	4565
C180VULCO	4587	4645
C187VULCO	4752	4810
C190VULCO	4822	4880
C195VULCO	4967	5025
C197VULCO	5022	5080
C204VULCO	5192	5250
C208VULCO	5302	5360
C210VULCO	5342	5400
C222VULCO	5607	5665
C225VULCO	5672	5730
C238VULCO	6002	6060
C240VULCO	6062	6120
C250VULCO	6307	6365
C265VULCO	6702	6760
C270VULCO	6822	6880
C280VULCO	7107	7165

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.

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

Description	Datum length mm ISO
SPZ562VULCO	562
SPZ587VULCO	587
SPZ612VULCO	612
SPZ630VULCO	630
SPZ637VULCO	637
SPZ662VULCO	662
SPZ670VULCO	670
SPZ687VULCO	687
SPZ710VULCO	710
SPZ722VULCO	722
SPZ737VULCO	737
SPZ750VULCO	750
SPZ762VULCO	762
SPZ772VULCO	772
SPZ787VULCO	787
SPZ800VULCO	800
SPZ812VULCO	812
SPZ825VULCO	825
SPZ837VULCO	837
SPZ850VULCO	850
SPZ862VULCO	862
SPZ875VULCO	875
SPZ887VULCO	887
SPZ900VULCO	900
SPZ912VULCO	912
SPZ925VULCO	925
SPZ937VULCO	937
SPZ950VULCO	950
SPZ962VULCO	962
SPZ975VULCO	975
SPZ987VULCO	987
SPZ1000VULCO	1000
SPZ1012VULCO	1012
SPZ1024VULCO	1024
SPZ1030VULCO	1030
SPZ1037VULCO	1037
SPZ1047VULCO	1047
SPZ1060VULCO	1060
SPZ1077VULCO	1077
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

Description	Datum length mm ISO
SPZ1562VULCO	1562
SPZ1587VULCO	1587
SPZ1600VULCO	1600
SPZ1612VULCO	1612
SPZ1637VULCO	1637
SPZ1650VULCO	1650
SPZ1662VULCO	1662
SPZ1687VULCO	1687
SPZ1700VULCO	1700
SPZ1737VULCO	1737
SPZ1750VULCO	1750
SPZ1762VULCO	1762
SPZ1787VULCO	1787
SPZ1800VULCO	1800
SPZ1812VULCO	1812
SPZ1837VULCO	1837
SPZ1850VULCO	1850
SPZ1862VULCO	1862
SPZ1887VULCO	1887
SPZ1900VULCO	1900
SPZ1937VULCO	1937
SPZ1987VULCO	1987
SPZ2000VULCO	2000
SPZ2037VULCO	2037
SPZ2060VULCO	2060
SPZ2120VULCO	2120
SPZ2137VULCO	2137
SPZ2180VULCO	2180
SPZ2187VULCO	2187
SPZ2240VULCO	2240
SPZ2287VULCO	2287
SPZ2360VULCO	2360
SPZ2500VULCO	2500
SPZ2650VULCO	2650
SPZ2800VULCO	2800
SPZ3000VULCO	3000
SPZ3150VULCO	3150
SPZ3350VULCO	3350
SPZ3550VULCO	3550

SPA

Description	Datum length mm ISO
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

Description	Datum length mm ISO
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

Description	Datum length mm ISO
SPB1250VULCO	**1250**
SPB1280VULCO	**1280**
SPB1320VULCO	**1320**
SPB1360VULCO	**1360**
SPB1400VULCO	**1400**
SPB1450VULCO	**1450**
SPB1500VULCO	**1500**
SPB1550VULCO	**1550**
SPB1600VULCO	**1600**
SPB1650VULCO	**1650**
SPB1700VULCO	**1700**
SPB1750VULCO	**1750**
SPB1800VULCO	**1800**
SPB1850VULCO	**1850**
SPB1900VULCO	**1900**
SPB1950VULCO	**1950**
SPB2000VULCO	**2000**
SPB2060VULCO	**2060**
SPB2120VULCO	**2120**
SPB2180VULCO	**2180**
SPB2240VULCO	**2240**
SPB2300VULCO	**2300**
SPB2360VULCO	**2360**
SPB2430VULCO	**2430**
SPB2500VULCO	**2500**
SPB2580VULCO	**2580**
SPB2650VULCO	**2650**
SPB2720VULCO	**2720**
SPB2800VULCO	**2800**
SPB2900VULCO	**2900**
SPB3000VULCO	**3000**
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**

SPC

Description	Datum length mm ISO
SPC2000VULCO	**2000**
SPC2120VULCO	**2120**
SPC2240VULCO	**2240**
SPC2360VULCO	**2360**
SPC2500VULCO	**2500**
SPC2650VULCO	**2650**
SPC2800VULCO	**2800**
SPC3000VULCO	**3000**
SPC3150VULCO	**3150**
SPC3350VULCO	**3350**
SPC3550VULCO	**3550**
SPC3750VULCO	**3750**
SPC4000VULCO	**4000**
SPC4250VULCO	**4250**
SPC4500VULCO	**4500**
SPC4750VULCO	**4750**
SPC5000VULCO	**5000**
SPC5300VULCO	**5300**
SPC5600VULCO	**5600**
SPC6000VULCO	**6000**
SPC6300VULCO	**6300**
SPC6700VULCO	**6700**
SPC7100VULCO	**7100**
SPC7500VULCO	**7500**
SPC8000VULCO	**8000**
SPC8500VULCO	**8500**
SPC9000VULCO	**9000**
SPC9500VULCO	**9500**
SPC10000VULCO	**10000**
SPC10600VULCO	**10600**
SPC11200VULCO	**11200**

VulcoPlus™ ordering code is composed as follows:

SPA732VULCO

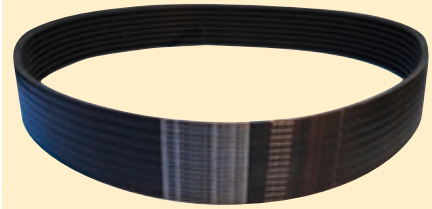
SPA - Section
732 - Datum length (mm)
VULCO - Product short name

Dimensions in bold are available from stock.

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.

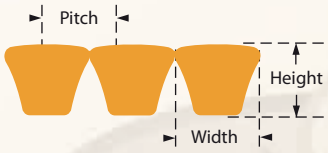
Construction

- 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

Description	Datum length mm
SPBP2120	**2120**
SPBP2240	**2240**
SPBP2360	**2360**
SPBP2500	**2500**
SPBP2650	**2650**
SPBP2800	**2800**
SPBP3000	**3000**
SPBP3150	**3150**
SPBP3350	**3350**
SPBP3550	**3550**
SPBP3750	**3750**
SPBP4000	**4000**
SPBP4250	**4250**
SPBP4500	**4500**
SPBP4750	**4750**
SPBP5000	**5000**
SPBP5300	**5300**
SPBP5600	**5600**
SPBP6000	**6000**
SPBP6300	**6300**
SPBP6700	**6700**
SPBP7100	**7100**
SPBP7500	**7500**
SPBP8000	**8000**

SPCP

Description	Datum length mm
SPCP3000	**3000**
SPCP3150	**3150**
SPCP3350	**3350**
SPCP3550	**3550**
SPCP3750	**3750**
SPCP4000	**4000**
SPCP4250	**4250**
SPCP4500	**4500**
SPCP4750	**4750**
SPCP5000	**5000**
SPCP5300	**5300**
SPCP5600	**5600**
SPCP6000	**6000**
SPCP6300	**6300**
SPCP6700	**6700**
SPCP7100	**7100**
SPCP7500	**7500**
SPCP8000	**8000**
SPCP8500	**8500**
SPCP9000	**9000**
SPCP10000	**10000**
SPCP10600	**10600**
SPCP11200	**11200**

9JP

Description	Effective length mm
9JP1400	**1400**
9JP1500	**1500**
9JP1600	**1600**
9JP1700	1700
9JP1800	**1800**
9JP1900	**1900**
9JP2000	**2000**
9JP2120	**2120**
9JP2240	2240
9JP2360	**2360**
9JP2500	**2500**
9JP2650	2650
9JP2800	2800
9JP3000	3000
9JP3150	3150
9JP3350	3350
9JP3550	3550

15JP

Description	Effective length mm
15JP1400	1400
15JP1500	**1500**
15JP1600	**1600**
15JP1700	**1700**
15JP1800	**1800**
15JP1900	1900
15JP2000	**2000**
15JP2120	**2120**
15JP2240	**2240**
15JP2360	**2360**
15JP2500	**2500**
15JP2650	**2650**
15JP2800	**2800**
15JP3000	**3000**
15JP3150	**3150**
15JP3350	**3350**
15JP3550	**3550**
15JP3750	**3750**
15JP4000	**4000**
15JP4250	**4250**
15JP4500	**4500**
15JP4750	**4750**
15JP5000	**5000**
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

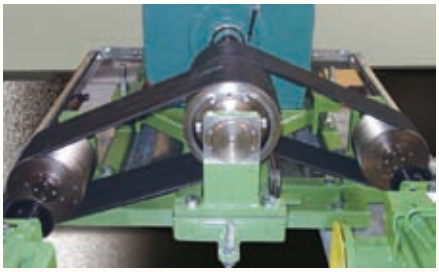
SPBP - Section
3350 - Datum length (mm)
3 - Number of ribs

Dimensions in bold are available from stock.

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.

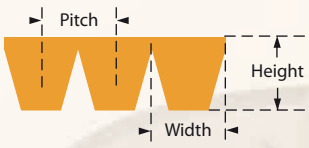
Construction

- 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 **UNISET** 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

Description RMA	Effective length RMA mm
3VX250	635
3VX265	675
3VX280	710
3VX300	760
3VX315	800
3VX335	850
3VX355	900
3VX375	950
3VX400	1015
3VX425	1080
3VX450	1145
3VX475	1205
3VX500	1270
3VX530	1345
3VX560	1420
3VX600	1525
3VX630	1600
3VX670	1700
3VX710	1805
3VX750	1905
3VX800	2030
3VX850	2160
3VX900	2285
3VX950	2415
3VX1000	2540
3VX1060	2690
3VX1120	2845
3VX1180	2995
3VX1250	3175
3VX1320	3355
3VX1400	3555

5VX

Description RMA	Effective length 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

XPZ

Description ISO	Datum length ISO mm
XPZ800	800
XPZ850	850
XPZ900	900
XPZ950	950
XPZ1000	1000
XPZ1030	1030
XPZ1060	1060
XPZ1090	1090
XPZ1120	1120
XPZ1150	1150
XPZ1180	1180
XPZ1212	1212
XPZ1250	1250
XPZ1270	1270
XPZ1320	1320
XPZ1340	1340
XPZ1362	1362
XPZ1400	1400
XPZ1420	1420
XPZ1450	1450
XPZ1500	1500
XPZ1550	1550
XPZ1600	1600
XPZ1650	1650
XPZ1700	1700
XPZ1750	1750
XPZ1800	1800
XPZ1850	1850
XPZ1900	1900
XPZ1950	1950
XPZ2000	2000
XPZ2030	2030
XPZ2120	2120
XPZ2160	2160
XPZ2240	2240
XPZ2360	2360
XPZ2500	2500
XPZ2650	2650
XPZ2800	2800
XPZ3000	3000
XPZ3150	3150
XPZ3350	3350
XPZ3550	3550

XPA

Description ISO	Datum length ISO mm
XPA800	800
XPA850	850
XPA900	900
XPA950	950
XPA1000	1000
XPA1030	1030
XPA1060	1060
XPA1090	1090
XPA1120	1120
XPA1150	1150
XPA1180	1180
XPA1250	1250
XPA1320	1320
XPA1360	1360
XPA1400	1400
XPA1450	1450
XPA1500	1500
XPA1550	1550
XPA1600	1600
XPA1650	1650
XPA1700	1700
XPA1750	1750
XPA1800	1800
XPA1850	1850
XPA1900	1900
XPA1950	1950
XPA2000	2000
XPA2060	2060
XPA2120	2120
XPA2240	2240
XPA2360	2360
XPA2430	2430
XPA2500	2500
XPA2650	2650
XPA2800	2800
XPA3000	3000
XPA3150	3150
XPA3350	3350
XPA3550	3550
XPA3750	3750
XPA4000	4000

XPB

Description ISO	Datum length ISO mm
XPB1250	1250
XPB1320	1320
XPB1400	1400
XPB1450	1450
XPB1500	1500
XPB1550	1550
XPB1600	1600
XPB1650	1650
XPB1700	1700
XPB1750	1750
XPB1800	1800
XPB1850	1850
XPB1900	1900
XPB1950	1950
XPB2000	2000
XPB2120	2120
XPB2150	2150
XPB2240	2240
XPB2280	2280
XPB2360	2360
XPB2410	2410
XPB2500	2500
XPB2530	2530
XPB2650	2650
XPB2680	2680
XPB2800	2800
XPB2840	2840
XPB3000	3000
XPB3150	3150
XPB3350	3350
XPB3550	3550
XPB3750	3750
XPB4000	4000
XPB4250	4250
XPB4500	4500
XPB4750	4750

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

XPA1030/2

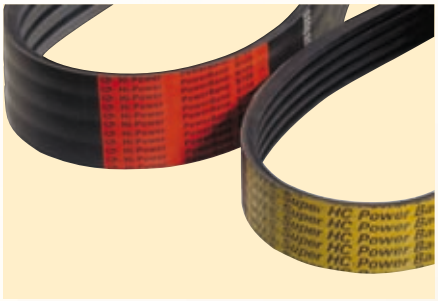
XPA - Section
1030 - Datum length (mm)
2 - Number of ribs

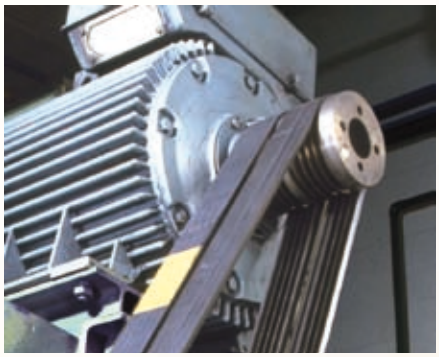
All dimensions are available on request.

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.

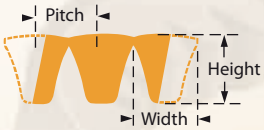
Construction

- 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

Description	Datum length mm ISO*
SPB2120	2120
SPB2240	2240
SPB2360	2360
SPB2500	2500
SPB2650	2650
SPB2800	2800
SPB3000	3000
SPB3150	3150
SPB3350	3350
SPB3550	3550
SPB3750	3750
SPB4000	4000
SPB4250	4250
SPB4500	4500
SPB4750	4750
SPB5000	5000
SPB5300	5300
SPB5600	5600
SPB6000	6000
SPB6300	6300
SPB6700	6700
SPB7100	7100
SPB7500	7500
SPB8000	8000

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

9J/3V

Description	Effective length mm ISO
9J1250	1250
9J1320	1320
9J1400	1400
9J1500	1500
9J1600	1600
9J1700	1700
9J1800	1800
9J1900	1900
9J2000	2000
9J2120	2120
9J2240	2240
9J2360	2360
9J2500	2500
9J2650	2650
9J2800	2800
9J3000	3000
9J3150	3150
9J3350	3350
9J3550	3550

15J/5V

Description	Effective length mm ISO
15J1250	1250
15J1320	1320
15J1400	1400
15J1500	1500
15J1600	1600
15J1700	1700
15J1800	1800
15J1900	1900
15J2000	2000
15J2120	2120
15J2240	2240
15J2360	2360
15J2500	2500
15J2650	2650
15J2800	2800
15J3000	3000
15J3150	3150
15J3350	3350
15J3550	3550
15J3750	3750
15J4000	4000
15J4250	4250
15J4500	4500
15J4750	4750
15J5000	5000
15J5300	5300
15J5600	5600
15J6000	6000
15J6300	6300
15J6700	6700
15J7100	7100
15J7500	7500
15J8000	8000
15J8500	8500
15J9000	9000

25J/8V

Description	Effective length mm ISO
8V1000	2540
8V1060	2692
8V1120	2845
8V1180	2997
8V1250	3175
8V1320	3355
8V1400	3556
8V1500	3810
8V1600	4064
8V1700	4318
8V1800	4572
8V1900	4826
8V2000	5080
8V2120	5385
8V2240	5690
8V2360	5994
8V2500	6350
8V2650	6731
8V2800	7112
8V3000	7620
8V3150	8001
8V3350	8509
8V3550	9017
8V3750	9525
8V4000	10160
8V4250	10795
8V4500	11430
8V4750	12065
8V5000	12700
8V5600	14224
8V6000	15240

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	
Description	**Effective length mm**
B35	935
B38	1011
B42	1113
B43	1138
B46	1214
B48	1265
B50	1316
B51	1341
B52	1367
B53	1392
B54	1417
B55	1443
B56	1468
B57	1494
B58	1519
B59	1544
B60	1570
B61	1595
B62	1621
B63	1646
B64	1671
B65	1697
B66	1722
B67	1748
B68	1773
B70	1824
B71	1849
B72	1875
B73	1900
B74	1925
B75	1951
B77	2002
B78	2027
B79	2052
B80	2078
B81	2103
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

B	
Description	**Effective length mm**
B112	2891
B120	3094
B124	3195
B128	3297
B133	3424
B136	3500
B144	3780
B148	3805
B154	3957
B158	4059
B162	4161
B173	4440
B180	4618
B195	4999
B210	5380
B225	5723
B240	6104
B255	6485
B270	6866
B300	7628
B315	8009

C	
Description	**Effective length mm**
C60	1598
C68	1801
C75	1979
C81	2131
C85	2233
C90	2360
C96	2512
C99	2588
C100	2614
C105	2741
C108	2817
C109	2842
C112	2918
C120	3122
C124	3223
C128	3325
C136	3528
C144	3731
C158	4087
C162	4188
C173	4468
C180	4646
C195	5027
C210	5408
C225	5738
C240	6119
C255	6500
C270	6881
C285	7262
C300	7643
C315	8024
C330	8405
C345	8786
C360	9167
C390	9929
C420	10688

D	
Description	**Effective length mm**
D120	3132
D144	3741
D158	4097
D173	4478
D180	4656
D195	5037
D210	5418
D225	5735
D240	6116
D255	6497
D270	6878
D285	7259
D300	7640
D315	8021
D330	8402
D345	8783
D360	9164
D390	9926
D420	10688
D450	11450
D480	12212
D540	13736
D600	15260
D660	16784

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.

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

3L

3/8" nominal top width

Description	Outside length inch	Outside length mm
3L16 6716	16	406
3L17 6717	17	432
3L18 6718	18	457
3L19 6719	19	483
3L20 6720	20	508
3L21 6721	21	533
3L22 6722	22	559
3L23 6723	23	584
3L24 6724	24	610
3L25 6725	25	635
3L26 6726	26	660
3L27 6727	27	686
3L28 6728	28	711
3L29 6729	29	737
3L30 6730	30	762
3L31 6731	31	787
3L32 6732	32	813
3L33 6733	33	838
3L34 6734	34	864
3L35 6735	35	889
3L36 6736	36	914
3L37 6737	37	940
3L38 6738	38	965
3L39 6739	39	991
3L40 6740	40	1016
3L41 6741	41	1041
3L42 6742	42	1067
3L43 6743	43	1092
3L44 6744	44	1118
3L45 6745	45	1143
3L46 6746	46	1168
3L47 6747	47	1194
3L48 6748	48	1219
3L49 6749	49	1245
3L50 6750	50	1270
3L61 6761	61	1549

4L

1/2" nominal top width

Description	Outside length inch	Outside length mm
4L17 6817	17	432
4L18 6818	18	457
4L19 6819	19	483
4L20 6820	20	508
4L21 6821	21	533
4L22 6822	22	559
4L23 6823	23	584
4L24 6824	24	610
4L25 6825	25	635
4L26 6826	26	660
4L27 6827	27	686
4L28 6828	28	711
4L29 6829	29	737
4L30 6830	30	762
4L31 6831	31	787
4L32 6832	32	813
4L33 6833	33	838
4L34 6834	34	864
4L35 6835	35	889
4L36 6836	36	914
4L37 6837	37	940
4L38 6838	38	965
4L39 6839	39	991
4L40 6840	40	1016
4L41 6841	41	1041
4L42 6842	42	1067
4L43 6843	43	1092
4L44 6844	44	1118
4L45 6845	45	1143
4L46 6846	46	1168
4L47 6847	47	1194
4L48 6848	48	1219
4L49 6849	49	1245
4L50 6850	50	1270
4L51 6851	51	1295
4L52 6852	52	1321
4L53 6853	53	1346
4L54 6854	54	1372
4L55 6855	55	1397
4L56 6856	56	1422
4L57 6857	57	1448
4L58 6858	58	1473
4L59 6859	59	1499
4L60 6860	60	1524
4L61 6861	61	1549
4L62 6862	62	1575
4L63 6863	63	1600
4L64 6864	64	1626
4L65 6865	65	1651
4L66 6866	66	1676
4L67 6867	67	1702
4L69 6869	69	1753
4L70 6870	70	1778
4L71 6871	71	1803
4L72 6872	72	1829
4L73 6873	73	1854
4L74 6874	74	1880
4L75 6875	75	1905
4L76 6876	76	1930
4L77 6877	77	1956
4L78 6878	78	1981
4L79 6879	79	2007
4L80 6880	80	2032
4L81 6881	81	2057
4L82 6882	82	2083
4L83 6883	83	2108
4L84 6884	84	2134
4L85 6885	85	2159

Description	Outside length inch	Outside length mm
4L86 6886	86	2184
4L87 6887	87	2210
4L88 6888	88	2235
4L89 6889	89	2261
4L90 6890	90	2286
4L91 6891	91	2311
4L92 6892	92	2337
4L93 6893	93	2362
4L94 6894	94	2388
4L95 6895	95	2413
4L96 6896	96	2438
4L97 6897	97	2464
4L98 6898	98	2489
4L99 6899	99	2515

5L

21/32" nominal top width

Description	Outside length inch	Outside length mm
5L25 6925	25	635
5L26 6926	26	660
5L27 6927	27	686
5L28 6928	28	711
5L29 6929	29	737
5L30 6930	30	762
5L31 6931	31	787
5L32 6932	32	813
5L33 6933	33	838
5L34 6934	34	864
5L35 6935	35	889
5L36 6936	36	914
5L37 6937	37	940
5L38 6938	38	965
5L39 6939	39	991
5L40 6940	40	1016
5L41 6941	41	1041
5L42 6942	42	1067
5L43 6943	43	1092
5L44 6944	44	1118
5L45 6945	45	1143
5L46 6946	46	1168
5L47 6947	47	1194
5L48 6948	48	1219
5L49 6949	49	1245
5L50 6950	50	1270
5L51 6951	51	1295
5L52 6952	52	1321
5L53 6953	53	1346
5L54 6954	54	1372
5L55 6955	55	1397
5L56 6956	56	1422
5L57 6957	57	1448
5L58 6958	58	1473
5L59 6959	59	1499
5L60 6960	60	1524
5L61 6961	61	1549
5L62 6962	62	1575
5L63 6963	63	1600
5L64 6964	64	1626
5L65 6965	65	1651
5L66 6966	66	1676
5L67 6967	67	1702
5L68 6968	68	1727
5L69 6969	69	1753
5L70 6970	70	1778
5L71 6971	71	1803
5L72 6972	72	1829
5L73 6973	73	1854
5L74 6974	74	1880
5L75 6975	75	1905
5L76 6976	76	1930
5L77 6977	77	1956
5L78 6978	78	1981
5L79 6979	79	2007
5L80 6980	80	2032

Description	Outside length inch	Outside length mm
5L81 6981	81	2057
5L82 6982	82	2083
5L83 6983	83	2108
5L84 6984	84	2134
5L85 6985	85	2159
5L86 6986	86	2184
5L87 6987	87	2210
5L88 6988	88	2235
5L89 6989	89	2261
5L90 6990	90	2286
5L91 6991	91	2311
5L92 6992	92	2337
5L93 6993	93	2362
5L94 6994	94	2388
5L95 6995	95	2413
5L96 6996	96	2438
5L97 6997	97	2464
5L98 6998	98	2489
5L99 6999	99	2515

NOTE
The circumference (=outside length) is determined by placing a steel tape around the outside of the belt.

PoweRated® ordering code is composed as follows:

3L16

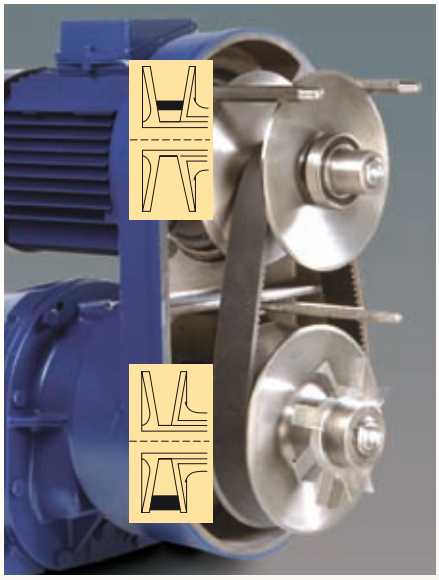
3L - Section
16 - Outside length in inch

All dimensions are available from stock.

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 distorsion 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.

	Special Gates sizes Inside length: mm					ISO R 1604 sizes Datum length: mm						
Reference	**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.

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.

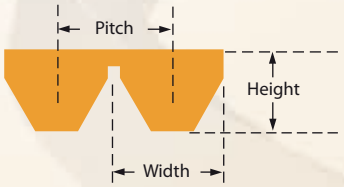
Construction

- 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

Description	Effective length mm
3M175JB	175
3M180JB	180
3M185JB	185
3M190JB	190
3M195JB	195
3M200JB	200
3M206JB	206
3M212JB	212
3M218JB	218
3M224JB	224
3M230JB	230
3M236JB	236
3M243JB	243
3M250JB	250
3M258JB	258
3M265JB	265
3M272JB	272
3M280JB	280
3M290JB	290
3M300JB	300
3M307JB	307
3M315JB	315
3M319JB	319
3M325JB	325
3M335JB	335
3M345JB	345
3M350JB	350
3M355JB	355
3M365JB	365
3M375JB	375
3M387JB	387
3M400JB	400
3M406JB	406
3M412JB	412
3M425JB	425
3M437JB	437
3M450JB	450
3M462JB	462
3M475JB	475
3M487JB	487
3M500JB	500
3M515JB	515
3M530JB	530
3M545JB	545
3M553JB	553
3M560JB	560
3M580JB	580
3M600JB	600
3M615JB	615
3M630JB	630
3M650JB	650
3M670JB	670
3M690JB	690
3M710JB	710
3M730JB	730
3M750JB	750

5M-JB

Description	Effective length mm
5M280JB	280
5M290JB	290
5M300JB	300
5M307JB	307
5M315JB	315
5M325JB	325
5M335JB	335
5M345JB	345
5M355JB	355
5M365JB	365
5M375JB	375
5M387JB	387
5M400JB	400
5M412JB	412
5M425JB	425
5M437JB	437
5M450JB	450
5M462JB	462
5M475JB	475
5M487JB	487
5M500JB	500
5M515JB	515
5M530JB	530
5M545JB	545
5M560JB	560
5M580JB	580
5M600JB	600
5M615JB	615
5M630JB	630
5M650JB	650
5M670JB	670
5M690JB	690
5M710JB	710
5M730JB	730
5M750JB	750
5M775JB	775
5M800JB	800
5M825JB	825
5M850JB	850
5M875JB	875
5M900JB	900
5M925JB	925
5M950JB	950
5M975JB	975
5M1000JB	1000
5M1030JB	1030
5M1060JB	1060
5M1090JB	1090
5M1120JB	1120
5M1150JB	1150
5M1180JB	1180
5M1220JB	1220
5M1250JB	1250
5M1280JB	1280
5M1320JB	1320
5M1360JB	1360
5M1400JB	1400
5M1450JB	1450
5M1500JB	1500

7M-JB

Description	Effective length mm
7M500JB	490
7M515JB	505
7M530JB	520
7M545JB	535
7M560JB	550
7M580JB	570
7M600JB	590
7M615JB	605
7M630JB	620
7M650JB	640
7M670JB	660
7M690JB	680
7M710JB	703
7M730JB	723
7M750JB	743
7M775JB	768
7M800JB	793
7M825JB	818
7M850JB	843
7M875JB	868
7M900JB	893
7M925JB	918
7M950JB	943
7M975JB	968
7M1000JB	993
7M1030JB	1023
7M1060JB	1053
7M1090JB	1083
7M1120JB	1113
7M1150JB	1143
7M1180JB	1173
7M1220JB	1213
7M1250JB	1243
7M1280JB	1273
7M1320JB	1313
7M1360JB	1353
7M1400JB	1393
7M1450JB	1443
7M1500JB	1493
7M1550JB	1543
7M1600JB	1593
7M1650JB	1643
7M1700JB	1693
7M1750JB	1743
7M1800JB	1793
7M1850JB	1843
7M1900JB	1893
7M1950JB	1943
7M2000JB	1993
7M2060JB	2053
7M2120JB	2113
7M2180JB	2173
7M2240JB	2233
7M2300JB	2293

11M-JB

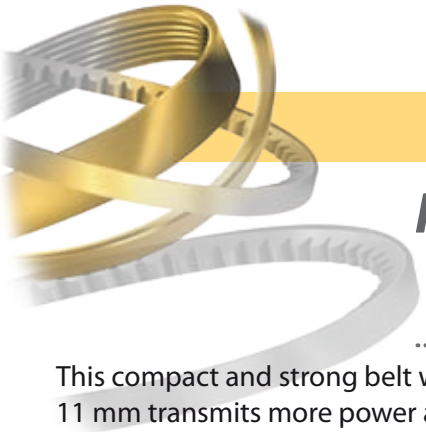
Description	Effective length mm
11M710JB	692
11M730JB	712
11M750JB	732
11M775JB	757
11M800JB	782
11M825JB	807
11M850JB	832
11M875JB	857
11M900JB	882
11M925JB	907
11M950JB	932
11M975JB	957
11M1000JB	982
11M1030JB	1012
11M1060JB	1042
11M1090JB	1072
11M1120JB	1102
11M1150JB	1132
11M1180JB	1162
11M1220JB	1202
11M1250JB	1232
11M1280JB	1262
11M1320JB	1302
11M1360JB	1342
11M1400JB	1382
11M1450JB	1432
11M1500JB	1482
11M1550JB	1532
11M1600JB	1582
11M1650JB	1632
11M1700JB	1682
11M1750JB	1732
11M1800JB	1782
11M1850JB	1832
11M1900JB	1882
11M1950JB	1932
11M2000JB	1982
11M2060JB	2042
11M2120JB	2102
11M2180JB	2162
11M2240JB	2222
11M2300JB	2282

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)

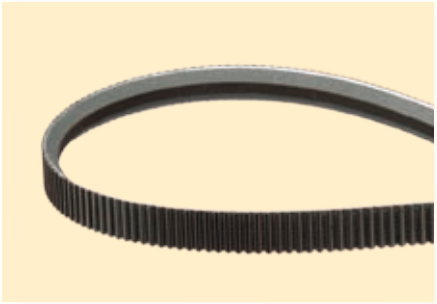
Please refer to the Gates Price List for specifics on stock availability.

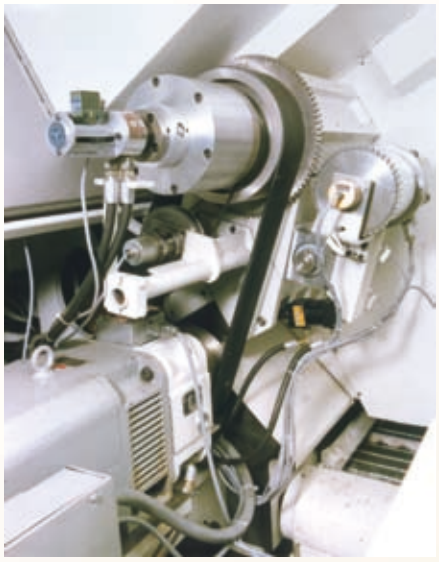


POLYFLEX®

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

Description	Effective length mm
3M180	180
3M185	185
3M190	190
3M195	195
3M200	200
3M206	206
3M212	212
3M218	218
3M224	224
3M230	230
3M236	236
3M243	243
3M250	250
3M258	258
3M265	265
3M272	272
3M280	280
3M290	290
3M300	300
3M307	307
3M315	315
3M325	325
3M335	335
3M345	345
3M355	355
3M365	365
3M375	375
3M387	387
3M400	400
3M412	412
3M425	425
3M437	437
3M450	450
3M462	462
3M475	475
3M487	487
3M500	500
3M515	515
3M530	530
3M545	545
3M560	560
3M580	580
3M600	600
3M615	615
3M630	630
3M650	650
3M670	670
3M690	690
3M710	710
3M730	730
3M750	750

5M

Description	Effective length mm
5M280	280
5M290	290
5M300	300
5M307	307
5M315	315
5M325	325
5M335	335
5M345	345
5M355	355
5M365	365
5M375	375
5M387	387
5M400	400
5M412	412
5M425	425
5M437	437
5M450	450
5M462	462
5M475	475
5M487	487
5M500	500
5M515	515
5M530	530
5M545	545
5M560	560
5M580	580
5M600	600
5M615	615
5M630	630
5M650	650
5M670	670
5M690	690
5M710	710
5M730	730
5M750	750
5M775	775
5M800	800
5M825	825
5M850	850
5M875	875
5M900	900
5M925	925
5M950	950
5M975	975
5M1000	1000
5M1030	1030
5M1060	1060
5M1090	1090
5M1120	1120
5M1150	1150
5M1180	1180
5M1220	1220
5M1250	1250
5M1280	1280
5M1320	1320
5M1360	1360
5M1400	1400
5M1450	1450
5M1500	1500
5M1600	1600
5M1650	1650
5M1850	1850

7M

Description	Effective length mm
7M500	500
7M515	515
7M530	530
7M545	545
7M560	560
7M580	580
7M600	600
7M615	615
7M630	630
7M650	650
7M670	670
7M690	690
7M710	710
7M730	730
7M750	750
7M775	775
7M800	800
7M825	825
7M850	850
7M875	875
7M900	900
7M925	925
7M950	950
7M975	975
7M1000	1000
7M1030	1030
7M1060	1060
7M1090	1090
7M1120	1120
7M1150	1150
7M1180	1180
7M1220	1220
7M1250	1250
7M1280	1280
7M1320	1320
7M1360	1360
7M1400	1400
7M1450	1450
7M1500	1500
7M1550	1550
7M1600	1600
7M1650	1650
7M1700	1700
7M1750	1750
7M1800	1800
7M1850	1850
7M1900	1900
7M1950	1950
7M2000	2000
7M2060	2060
7M2120	2120
7M2180	2180
7M2240	2240
7M2300	2300

11M

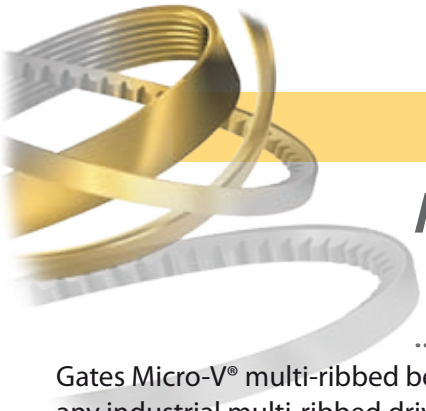
Description	Effective length mm
11M710	710
11M730	730
11M750	750
11M775	775
11M800	800
11M825	825
11M850	850
11M875	875
11M900	900
11M925	925
11M950	950
11M975	975
11M1000	1000
11M1030	1030
11M1060	1060
11M1090	1090
11M1120	1120
11M1150	1150
11M1180	1180
11M1220	1220
11M1250	1250
11M1280	1280
11M1320	1320
11M1360	1360
11M1400	1400
11M1450	1450
11M1500	1500
11M1550	1550
11M1600	1600
11M1650	1650
11M1700	1700
11M1750	1750
11M1800	1800
11M1850	1850
11M1900	1900
11M1950	1950
11M2000	2000
11M2060	2060
11M2120	2120
11M2180	2180
11M2240	2240
11M2300	2300

Polyflex® ordering code is composed as follows:

3M600

3M - Rib width 3 mm
600 - Effective length (mm)

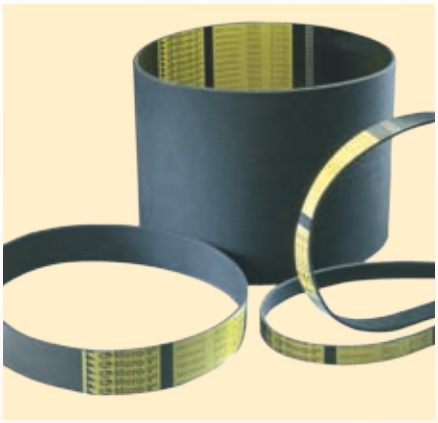
All dimensions are available from stock.



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

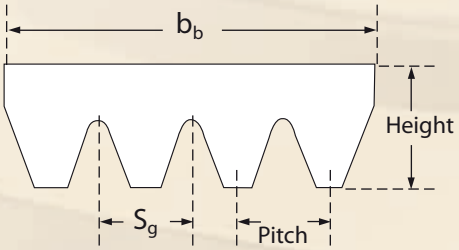
Micro-V® belts are available in PJ, PL and PM cross-sections. The figure below shows a cross-sectional view illustrating the nominal belt dimensions — rib width and belt height. All these belts will operate in standard pulleys provided the pulleys are manufactured to the DIN 7867 or ISO 9982 standard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

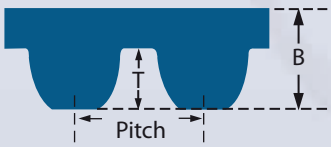
Construction

- 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

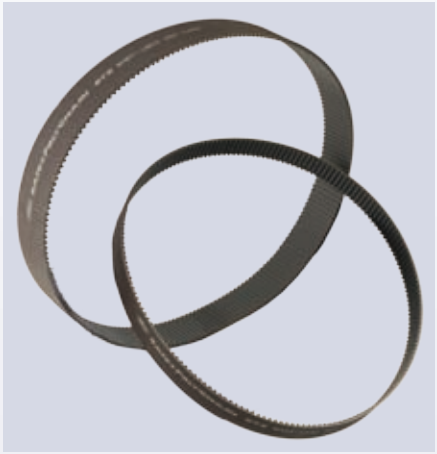
8MC - Pitch 8 mm
352 - Pitch length (mm)
11.2 - Belt width (mm)

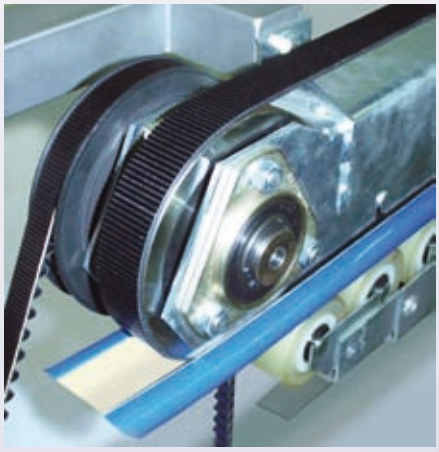
All dimensions are available from stock.

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.

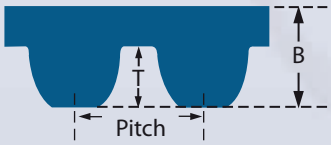
Construction

- 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

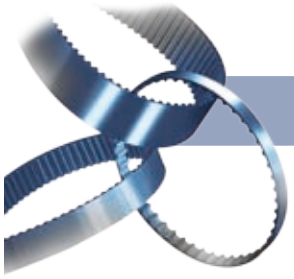
Available in widths of 20 mm, 37 mm, 68 mm, 90 mm and 125 mm.

Poly Chain® GT2 ordering code is composed as follows:

8MGT-640-12

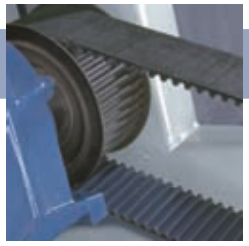
8MGT	- Pitch 8 mm
640	- Pitch length (mm)
12	- Belt width (mm)

All dimensions are available from stock.



POLY CHAIN® GT

Poly Chain® GT pulley specifications



8M

Pulley designation	Outside diameter mm
12 mm width	
8M-22S	54.42
8M-25S	62.06
8M-28S	69.70
8M-30S	74.79
8M-32S	79.89
8M-34S	84.98
8M-36S	90.07
8M-38S	95.17
8M-40S	100.26
8M-45S	112.99
8M-48S	120.63
8M-50S	125.72
8M-56S	141.00
8M-60S	151.19
8M-64S	161.37
8M-75S	189.39
8M-80S	202.12
8M-90S	227.58

Pulley designation	Outside diameter mm
36 mm width	
8M-25S	62.06
8M-28S	69.70
8M-30S	74.79
8M-32S	79.89
8M-34S	84.98
8M-36S	90.07
8M-38S	95.17
8M-40S	100.26
8M-45S	112.99
8M-48S	120.63
8M-50S	125.72
8M-56S	141.00
8M-60S	151.19
8M-64S	161.37
8M-75S	189.39
8M-80S	202.12
8M-90S	227.58
8M-112S	283.61
8M-140S	354.91
8M-168S	426.21
8M-192S	487.32

Pulley designation	Outside diameter mm
21 mm width	
8M-22S	54.42
8M-25S	62.06
8M-28S	69.70
8M-30S	74.79
8M-32S	79.89
8M-34S	84.98
8M-36S	90.07
8M-38S	95.17
8M-40S	100.26
8M-45S	112.99
8M-48S	120.63
8M-50S	125.72
8M-56S	141.00
8M-60S	151.19
8M-64S	161.37
8M-75S	189.39
8M-80S	202.12
8M-90S	227.58
8M-112S	283.61
8M-140S	354.91

Pulley designation	Outside diameter mm
62 mm width	
8M-30S	74.79
8M-32S	79.89
8M-34S	84.98
8M-36S	90.07
8M-38S	95.17
8M-40S	100.26
8M-45S	112.99
8M-48S	120.63
8M-50S	125.72
8M-56S	141.00
8M-60S	151.19
8M-64S	161.37
8M-75S	189.39
8M-80S	202.12
8M-90S	227.58
8M-112S	283.61
8M-140S	354.91
8M-168S	426.21
8M-192S	487.32

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

14M-28S-20	
14M	- Pitch 14 mm
28S	- Number of teeth
20	- Belt width (mm)

All dimensions are available from stock.

14M

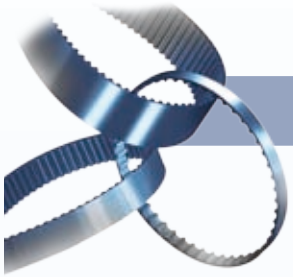
Pulley designation	Outside diameter mm
20 mm width	
14M-28S	121.98
14M-30S	130.89
14M-32S	139.80
14M-34S	148.72
14M-36S	157.63
14M-38S	166.54
14M-40S	175.45
14M-44S	193.28
14M-48S	211.11
14M-50S	220.02
14M-56S	246.76
14M-60S	264.58
14M-64S	282.41
14M-72S	318.06
14M-80S	353.71
14M-90S	398.27
14M-112S	496.31
14M-140S	621.09

Pulley designation	Outside diameter mm
37 mm width	
14M-28S	121.98
14M-30S	130.89
14M-32S	139.80
14M-34S	148.72
14M-36S	157.63
14M-38S	166.54
14M-40S	175.45
14M-44S	193.28
14M-48S	211.11
14M-50S	220.02
14M-56S	246.76
14M-60S	264.58
14M-64S	282.41
14M-72S	318.06
14M-80S	353.71
14M-90S	398.27
14M-112S	496.31
14M-140S	621.09
14M-168S	745.87
14M-192S	852.82

Pulley designation	Outside diameter mm
68 mm width	
14M-34S	148.72
14M-36S	157.63
14M-38S	166.54
14M-40S	175.45
14M-44S	193.28
14M-48S	211.11
14M-50S	220.02
14M-56S	246.76
14M-60S	264.58
14M-64S	282.41
14M-72S	318.06
14M-80S	353.71
14M-90S	398.27
14M-112S	496.31
14M-140S	621.09
14M-168S	745.87
14M-192S	852.82

Pulley designation	Outside diameter mm
90 mm width	
14M-36S	157.63
14M-38S	166.50
14M-40S	175.45
14M-44S	193.28
14M-48S	211.11
14M-50S	220.02
14M-56S	246.76
14M-60S	264.58
14M-64S	282.41
14M-72S	318.06
14M-80S	353.71
14M-90S	398.27
14M-112S	496.31
14M-140S	621.09
14M-168S	745.87
14M-192S	852.82

Pulley designation	Outside diameter mm
125 mm width	
14M-38S	166.54
14M-40S	175.45
14M-44S	193.28
14M-48S	211.11
14M-50S	220.02
14M-56S	246.76
14M-60S	264.58
14M-64S	282.41
14M-72S	318.06
14M-80S	353.71
14M-90S	398.27
14M-112S	496.31
14M-140S	621.09
14M-168S	745.87
14M-192S	852.82



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.

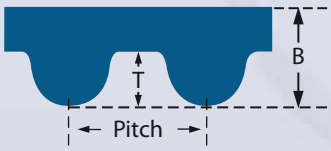
Construction

- 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

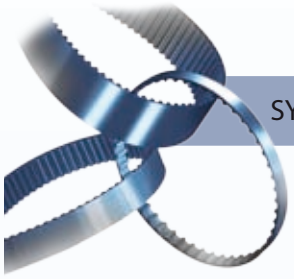
Available in widths of 40 mm, 55 mm, 85 mm, 115 mm and 170 mm.

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.



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.

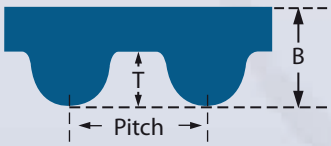
Construction

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

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

3MGT

Pitch: 3 mm

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

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

5MGT

Pitch: 5 mm

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

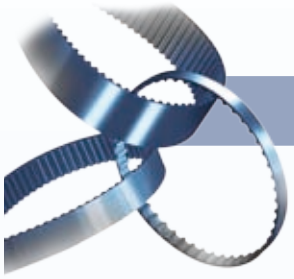
Available in widths of 9 mm, 15 mm and 25 mm.

PowerGrip® GT3 ordering code is composed as follows:

285-5MGT3-9

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

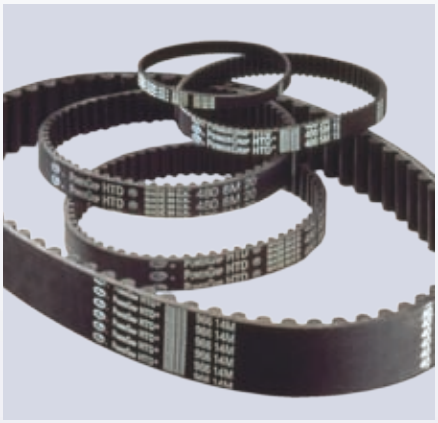
Dimensions in bold are available from stock.

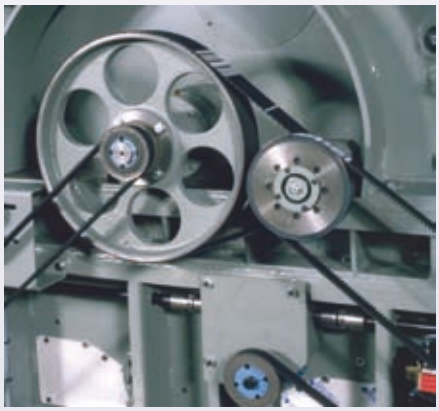


POWERGRIP® HTD® 8M, 14M & 20M

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.

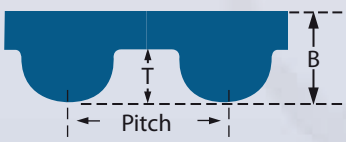
Construction

- 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

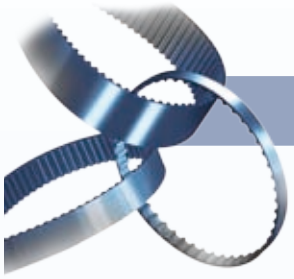
Available in widths of 115 mm, 170 mm, 230 mm, 290 mm and 340 mm.

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.



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.

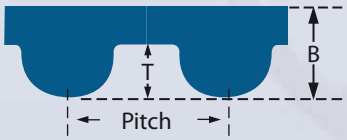
Construction

- 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**
486-3M	486	162
489-3M	489	163
501-3M	**501**	**167**
513-3M	513	171
522-3M	522	174
525-3M	525	175
531-3M	531	177
537-3M	537	179
552-3M	552	184
558-3M	558	186
564-3M	**564**	**188**
570-3M	570	190
573-3M	573	191
582-3M	**582**	**194**
591-3M	591	197
594-3M	594	198
600-3M	600	200
612-3M	**612**	**204**
627-3M	627	209
633-3M	**633**	**211**
645-3M	**645**	**215**
648-3M	648	216
669-3M	**669**	**223**
672-3M	672	224
681-3M	681	227
711-3M	**711**	**237**
720-3M	**720**	**240**
735-3M	735	245
738-3M	738	246
753-3M	**753**	**251**
804-3M	**804**	**268**
822-3M	**822**	**274**
882-3M	882	294
945-3M	**945**	**315**
981-3M	981	327
1002-3M	1002	334
1071-3M	1071	357
1080-3M	1080	360
1176-3M	1176	392
1245-3M	1245	415
1263-3M	**1263**	**421**
1500-3M	**1500**	**500**
1530-3M	**1530**	**510**
1863-3M	1863	621
1926-3M	1926	642

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
980-5M	**980**	**196**
1000-5M	**1000**	**200**
1025-5M	**1025**	**205**
1035-5M	**1035**	**207**
1050-5M	**1050**	**210**
1100-5M	**1100**	**220**
1125-5M	**1125**	**225**
1135-5M	**1135**	**227**
1175-5M	**1175**	**235**
1200-5M	**1200**	**240**
1225-5M	**1225**	**245**
1270-5M	**1270**	**254**
1350-5M	**1350**	**270**
1380-5M	1380	276
1420-5M	**1420**	**284**
1595-5M	**1595**	**319**
1690-5M	**1690**	**338**
1790-5M	**1790**	**358**
1870-5M	**1870**	**374**
2100-5M	**2100**	**420**
2350-5M	**2350**	**470**

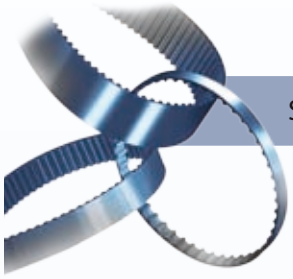
Available in widths of 9 mm, 15 mm and 25 mm.

PowerGrip® HTD® ordering code is composed as follows:

280-5M-15

280	- Pitch length (mm)
5M	- Pitch 5 mm
15	- Belt width (mm)

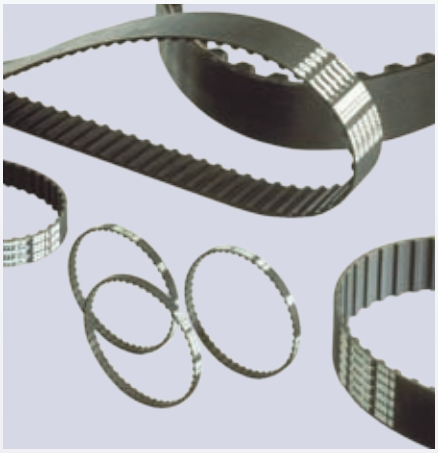
Dimensions in bold are available from stock.

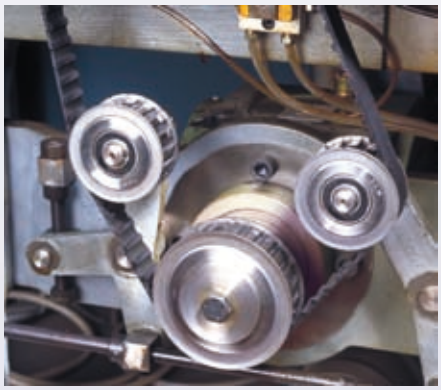


POWERGRIP® XL, L, H, XH & XXH

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.

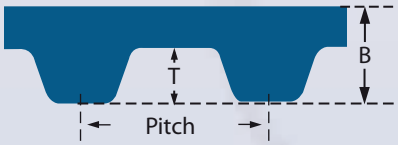
Construction

- 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
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.

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.

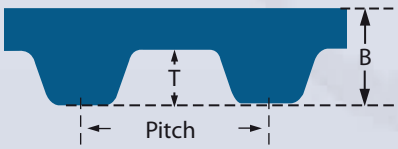
Construction

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

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:

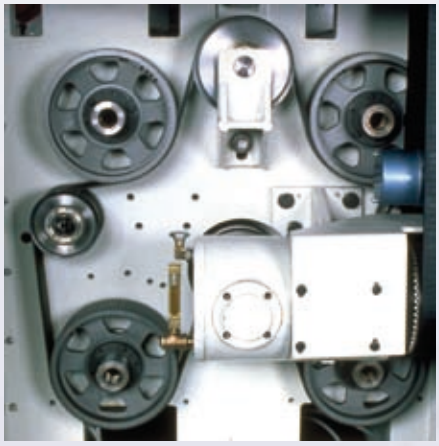
288-MXL-019	
288	- Pitch length in 1/100 inch
MXL	- Pitch 0.08" (2.032 mm)
019	- Belt width 0.19" (4.8 mm)

Dimensions in bold are available from stock.

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

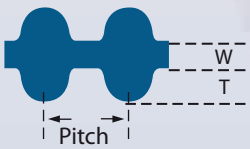
- Similar in construction to PowerGrip® classical synchronous and PowerGrip® GT2 belts: strong tensile member, precision-formed elastomeric teeth and body.
- Wear resistant nylon fabric on both tooth sides.

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.

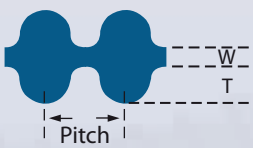
Sections and nominal dimensions

PowerGrip® GT2



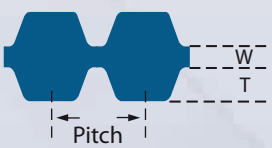
	Pitch mm	W mm	T mm
8MGT	8.0	2.00	3.40
14MGT	14.0	3.70	5.82

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-480-8MGT2[1]	**480**	**60**
TP-560-8MGT2[1]	**560**	**70**
TP-600-8MGT2[1]	**600**	**75**
TP-640-8MGT2[1]	**640**	**80**
TP-720-8MGT2[1]	**720**	**90**
TP-800-8MGT2[1]	**800**	**100**
TP-880-8MGT2[1]	**880**	**110**
TP-960-8MGT2[1]	**960**	**120**
TP-1040-8MGT2[1]	**1040**	**130**
TP-1120-8MGT2[2]	**1120**	**140**
TP-1200-8MGT2[2]	**1200**	**150**
TP-1280-8MGT2[2]	**1280**	**160**
TP-1440-8MGT2[2]	**1440**	**180**
TP-1600-8MGT2[2]	**1600**	**200**
TP-1760-8MGT2[2]	**1760**	**220**
TP-1800-8MGT2[2]	**1800**	**225**
TP-2000-8MGT2[2]	**2000**	**250**
TP-2400-8MGT2[2]	**2400**	**300**
TP-2600-8MGT2[2]	**2600**	**325**
TP-2800-8MGT2[2]	**2800**	**350**
TP-3048-8MGT2[2]	3048	381
TP-3280-8MGT2[3]	3280	410
TP-3600-8MGT2[3]	3600	450
TP-4400-8MGT2[3]	4400	550
TP-4960-8MGT2[3]	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-1610-14MGT2	**1610**	**115**
TP-1778-14MGT2	1778	127
TP-1890-14MGT2	**1890**	**135**
TP-2100-14MGT2	**2100**	**150**
TP-2310-14MGT2	**2310**	**165**
TP-2450-14MGT2	2450	175
TP-2590-14MGT2	2590	185
TP-2800-14MGT2	**2800**	**200**
TP-3150-14MGT2	**3150**	**225**
TP-3360-14MGT2	3360	240
TP-3500-14MGT2	**3500**	**250**
TP-3850-14MGT2	3850	275
TP-4326-14MGT2	4326	309
TP-4578-14MGT2	4578	327
TP-4956-14MGT2	4956	354
TP-5320-14MGT2	5320	380
TP-5740-14MGT2	**5740**	**410**
TP-6160-14MGT2	6160	440
TP-6860-14MGT2	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).

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).

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).

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)

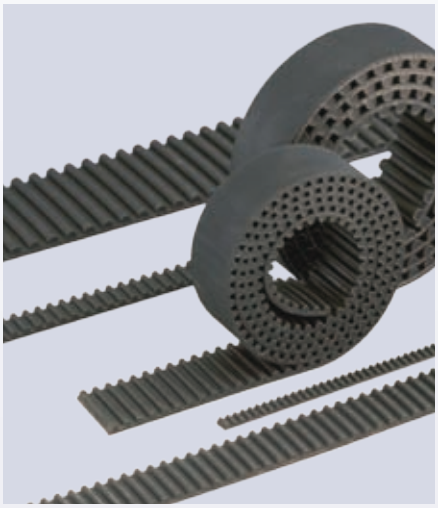
Available in slabs of:
1= 100 mm / 2 = 330 mm / 3 = 150 mm / 4 = 130 mm

Dimensions in bold are available from stock.

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 inch	Pitch mm	T mm	B mm	Length on roll (m)	Width - code 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:

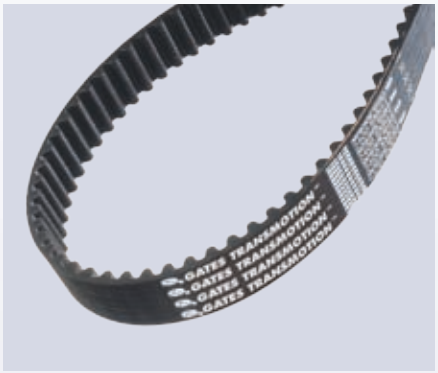
LIFTP-75-STEEL	
LIFT	- LiftPower™
75	- Belt width (mm)
STEEL	- Steel cord

Dimensions in bold are available from stock.

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.

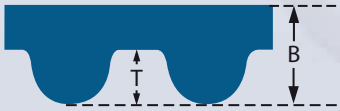
8MGT

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.

Sections and nominal dimensions

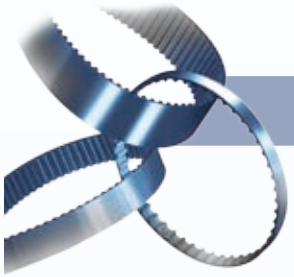


	Pitch mm	T mm	B mm
8MGT	8.00	3.40	5.60

TransMotion™ ordering code is composed as follows:

384-8MGTM	
384	- Pitch length (mm)
8MGTM	- Pitch 8 mm

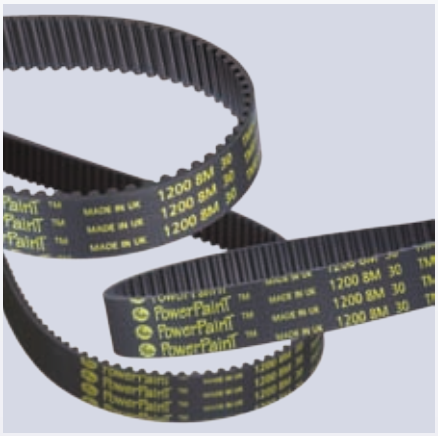
All dimensions are available on request.



POWERPAINT™

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

			Steel cords				Aramid cords				Stainless steel cords
Pitch	Widths	Roll length (m)	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

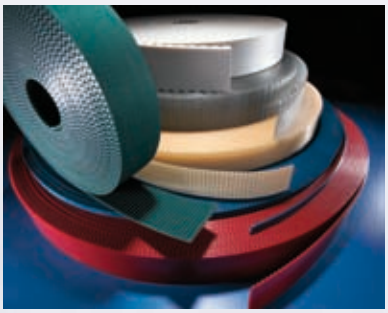
Please refer to the Gates Price List for specifics on stock availability.

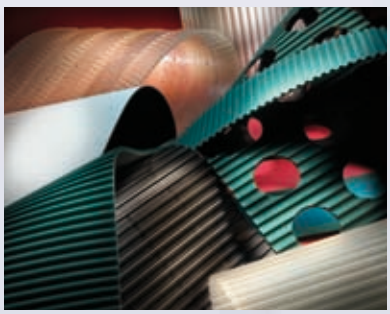
CUSTOMIZED POLYURETHANE BELT PRODUCTS

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.



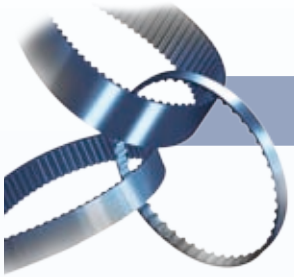


WIDE BELTS

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.



Specific characteristics

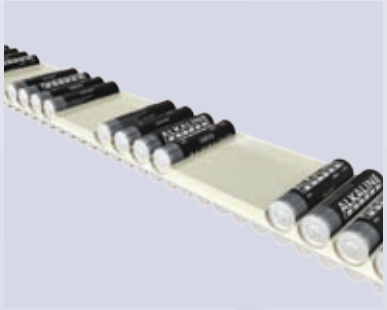
Additionally, Gates offers a wide range of belt modifications and a full range of secondary fabrication possibilities: all linear, wide and flex belts can come with special backings, profiles and machining on request. Equipment designers and system integrators rely on Gates' ability to solve the most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

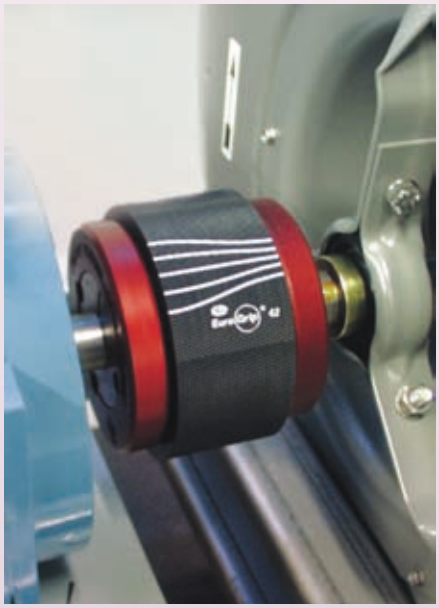
Gates offers you the combination of primary tooling and secondary machining to achieve any design potential. Whether grinding edges and surfaces to tight tolerances, punching and machining holes and slots or CNC machining of three dimensional contours, Gates can provide a complete and precise solution.

For more detailed information, please contact Gates Mectrol GmbH customer service or refer to the product-specific catalogue (ref. E2/20166).

EUROGRIP®

Flexible couplings

EuroGrip® flexible couplings are designed to connect two shafts subject to misalignement 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

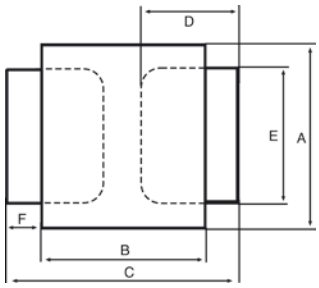
- High vibration damping. Damping increases with load, which will prevent resonance.
- Quiet in operation.
- Zero backlash and, consequently, high positioning accuracy.
- Easy to install and to replace. Can be inspected without stopping the drive.
- Built-in safety measure: the driven machine will stop 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 9902 -
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	28 mm bore end piece	02828
	End piece for taper bush - front fixed (1008)	9902-02802	MPB end piece	02800
42	Sleeve	9901-54201	38 mm bore end piece	04238
	End piece for taper bush - back fixed (1615)	9902-04201	42 mm bore end piece	04242
	End piece for taper bush - front fixed (1215)	9902-04202	MPB end piece	04200
48	Sleeve	9901-54801	48 mm bore end piece	04848
	End piece for taper bush - back fixed (2017)	9902-04801	MPB end piece	04800
	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	60 mm bore end piece	06060
	End piece for taper bush - front fixed (2017)	9902-06002	MPB end piece	06000

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: ± 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

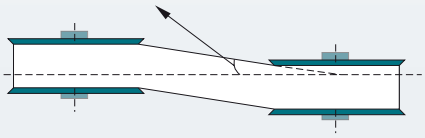
NOTE
GATES SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.

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°C
- Housing: ABS plastics
- Back plate: anodised aluminium
- Calibration accuracy: offset < 0.5 mm; angle < 0.1°
- 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

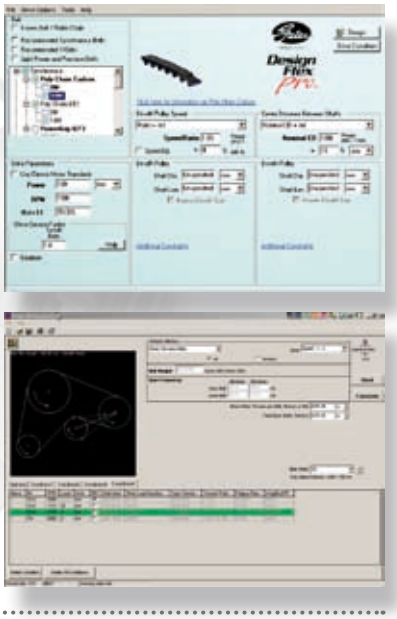
Support tools
- Flashlight
- 2 different screwdriver sets
- Eye protector
- Length gauge
- Multitool
- Inspection mirror
- Ear protector
- Overall
- Digital camera

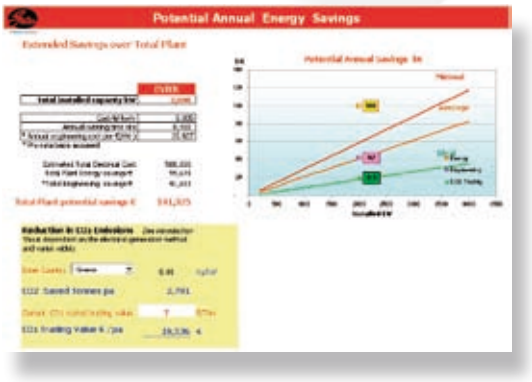
For more detailed information, please contact our customer service or refer to the product-specific leaflet (ref. E2/20172).

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

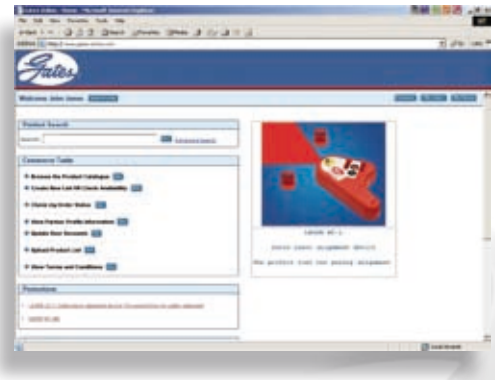
Gates puts forward two fast and easy resources for selecting and maintaining belt drive systems. DesignFlex® Pro™ and Design IQ™, online drive design and engineering tools, assist designers in quickly selecting optimum drive solutions. With the Gates multilingual DesignFlex® Pro™ programme, you can design 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.



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).

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

This issue is released September 2008 and supersedes all previous versions of this catalogue. If your catalogue is more than 2 years old, please consult a Gates representative to check whether you have the latest version.

Gates®

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Your distributor: